

Development Contributions Plan 1070

# Wollert

December 2016

## Appendix 5: Road, Intersection & Bridge Costings

## PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS

17 October 2016

V160221T

Version 6

Boundary Rd

Culvert Length, m: 36.9

CL-1002

PM %: 9.83%

| ITEM     | DESCRIPTION                                                                                                                                                         | QUANTITY | UNIT           | RATE         | AMOUNT       | SUBTOTAL            |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|--------------|--------------|---------------------|
| <b>A</b> | <b>Project and Program Management</b>                                                                                                                               |          |                |              |              | <b>\$ 65,880</b>    |
|          | <b>Project Management</b>                                                                                                                                           |          | 3.00%          | 2.95%        | \$ 39,528    |                     |
|          | reporting and commissioning                                                                                                                                         |          |                |              |              |                     |
|          | of tender documents and management of contracts                                                                                                                     |          |                |              |              |                     |
|          | liaison, environmental issues, traffic issues etc                                                                                                                   |          |                |              |              |                     |
|          | Records management                                                                                                                                                  |          |                |              |              |                     |
|          | <b>Program Administration</b>                                                                                                                                       |          | 2.00%          | 1.97%        | \$ 26,352    |                     |
| <b>B</b> | <b>Design and Investigation</b>                                                                                                                                     |          |                |              |              | <b>\$ 147,571</b>   |
|          | Traffic Investigations                                                                                                                                              |          | 0.85%          | 0.84%        | \$ 11,200    |                     |
|          | Cadastral and Engineering Survey                                                                                                                                    |          | 1.20%          | 1.18%        | \$ 15,811    |                     |
|          | Geotechnical investigations Pavement Investigations and Design                                                                                                      |          | 1.20%          | 1.18%        | \$ 15,811    |                     |
|          | Environmental Investigations                                                                                                                                        |          |                | 0.00%        | \$ -         |                     |
|          | Structural design and certification                                                                                                                                 |          | 1.20%          | 1.18%        | \$ 15,811    |                     |
|          | Landscape Design                                                                                                                                                    |          |                | 0.00%        | \$ -         |                     |
|          | Preliminary and Final Design                                                                                                                                        |          | 4.25%          | 4.18%        | \$ 55,998    |                     |
|          | Construction Management                                                                                                                                             |          | 2.50%          | 2.46%        | \$ 32,940    |                     |
| <b>C</b> | <b>Construction including Final Design</b>                                                                                                                          |          |                |              | \$ 1,340,385 | <b>\$ 1,340,385</b> |
| <b>1</b> | <b>PRELIMINARIES</b>                                                                                                                                                |          |                |              |              | <b>\$ 215,180</b>   |
| 1.1      | Site Establishment                                                                                                                                                  | 1        | item           | 2.50%        | \$ 33,180    |                     |
| 1.2      | Site Management & supervision including QA                                                                                                                          | 20       | wks            | \$ 850.00    | \$ 17,000    |                     |
| 1.3      | Provision for traffic Mgt and diversion of traffic                                                                                                                  | 20       | wks            | \$ 6,000.00  | \$ 120,000   |                     |
| 1.4      | Diversion Works including: setup of bypass lines and pump system, installation of temporary 300dia PVC pipes and installation of bund walls at extent culvert works | 1        | item           | \$ 45,000.00 | \$ 45,000    |                     |
| <b>2</b> | <b>DEMOLITION</b>                                                                                                                                                   |          |                |              |              | <b>\$ 3,000</b>     |
| 2.1      | Trees                                                                                                                                                               |          | Item           | \$ 2,000     | \$ -         |                     |
| 2.2      | Fence removal                                                                                                                                                       |          | Item           | \$ 1,000     | \$ -         |                     |
| 2.3      | Excavation and removal of existing culvert                                                                                                                          | 1        | Item           | \$ 3,000     | \$ 3,000     |                     |
| <b>3</b> | <b>EARTHWORKS</b>                                                                                                                                                   |          |                |              |              | <b>\$ 332,990</b>   |
| 3.1      | Stripping topsoil (100mm) approx 280m along road                                                                                                                    | 9,485    | m <sup>2</sup> | \$ 3.50      | \$ 33,198    |                     |
| 3.2      | Rock excavation                                                                                                                                                     | 1        | Item           |              | \$ 58,442    |                     |
| 3.3      | Fill to road boxing                                                                                                                                                 | 3,390    | m <sup>3</sup> | \$ 65.00     | \$ 220,350   |                     |
| 3.4      | Excavation and Removal                                                                                                                                              | 700      | m <sup>3</sup> | \$ 30.00     | \$ 21,000    |                     |
| <b>4</b> | <b>DRAINAGE, PIPES AND CULVERTS</b>                                                                                                                                 |          |                |              |              | <b>\$ 726,715</b>   |
| 4.1      | Culvert Base Slab 380 thick + 300 wide edge down turn                                                                                                               | 487      | m <sup>2</sup> | \$ 400.00    | \$ 194,832   |                     |
| 4.2      | 150mm thick Class 2 CR under slab                                                                                                                                   | 487      | m <sup>2</sup> | \$ 15.00     | \$ 7,306     |                     |
| 4.3      | 2.1x1.2 Box culverts supply and lay                                                                                                                                 | 108      | Lm             | \$ 2,500.00  | \$ 270,000   |                     |
| 4.4      | 2.1 Box culvertscover slabs supply and lay                                                                                                                          | 72       | Lm             | \$ 700.00    | \$ 50,400    |                     |
| 4.5      | Backfill and compact Stabilised sand to top of culvert                                                                                                              | 36       | m <sup>3</sup> | \$ 350.00    | \$ 12,545    |                     |
| 4.6      | Agg to culverts                                                                                                                                                     | 216      | Lm             | \$ 115.00    | \$ 24,840    |                     |
| 4.7      | Construction of endwall Slab                                                                                                                                        | 168      | m <sup>2</sup> | \$ 400.00    | \$ 67,200    |                     |
| 4.8      | Construction of endwall                                                                                                                                             | 92       | m <sup>2</sup> | \$ 650.00    | \$ 59,592    |                     |
| 4.9      | Rock beaching at ends of culvert                                                                                                                                    | 400      | m <sup>2</sup> | \$ 100.00    | \$ 40,000    |                     |
| <b>5</b> | <b>MISCELLANEOUS</b>                                                                                                                                                |          |                |              |              | <b>\$ 62,500</b>    |
| 5.1      | Safety works under power lines(spotter)                                                                                                                             |          | weeks          | \$ 3,400.00  | \$ -         |                     |
| 5.2      | Installation of crash barrier above culverts endwalls                                                                                                               | 50       | Lm             | \$ 1,250.00  | \$ 62,500    |                     |
| 5.3      | Guard Rail Transitions & anchor point                                                                                                                               | 4        | Item           | \$ 8,500.00  | \$ 34,000    |                     |
| 5.4      | Ped fence to wingwalls                                                                                                                                              | 40       | Lm             | \$ 155.00    | \$ 6,200     |                     |
| 5.5      | Installation of crash fence                                                                                                                                         | 120      | Lm             | \$ 200.00    | \$ 24,000    |                     |
|          | <b>TOTAL A - C</b>                                                                                                                                                  |          |                |              | \$ 1,553,836 | <b>\$ 1,553,836</b> |
| <b>D</b> | <b>Contingency</b>                                                                                                                                                  |          |                |              |              |                     |
|          | <b>Contingency (20% of C)</b>                                                                                                                                       |          |                |              | 20%          | <b>\$ 310,767</b>   |
|          | <b>Total Estimate</b>                                                                                                                                               |          |                |              |              | <b>\$ 1,864,603</b> |
| <b>E</b> | <b>PROJECT BUDGET</b>                                                                                                                                               |          |                |              |              |                     |
|          |                                                                                                                                                                     |          |                |              |              | <b>\$ 1,864,603</b> |

**Notes: Services**

- 1 Service relocation / alterations have not been allowed for in the estimate

**Demolition**

- 2 We have only allowed to demolish the items shown above

**EARTHWORKS**

- 3 Cut fill quantities will vary with design, to allow lifting of the road over the culvert

**Construction**

- 4 Construction to take place aside existing road prior to road extension
- 5 Installation of culverts to be done prior or during road fill works
- 6 Regrading of creek not included

AUTHOR: Asiri Rajapakse

Date: 2/09/2015

REVIEWER:

Date: 2/09/2015

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**  
V160221T

17 October 2016  
Version 6

Koukoura Drive

Culvert Length, m: 29.6

CL-1003

PM %: 10.35%

| ITEM     | DESCRIPTION                                            | QUANTITY | UNIT           | RATE         | AMOUNT       | SUBTOTAL            |
|----------|--------------------------------------------------------|----------|----------------|--------------|--------------|---------------------|
| <b>A</b> | <b>Project and Program Management</b>                  |          |                |              |              | <b>\$ 46,093</b>    |
|          | <b>Project Management</b>                              |          | 3.00%          | 3.11%        | \$ 27,656    |                     |
|          | and commissioning                                      |          |                |              |              |                     |
|          | tender documents and management of contracts           |          |                |              |              |                     |
|          | environmental issues, traffic issues etc               |          |                |              |              |                     |
|          | Records management                                     |          |                |              |              |                     |
|          | <b>Program Administration</b>                          |          | 2.00%          | 2.07%        | \$ 18,437    |                     |
| <b>B</b> | <b>Design and Investigation</b>                        |          |                |              |              | <b>\$ 103,248</b>   |
|          | Traffic Investigations                                 |          | 0.85%          | 0.88%        | \$ 7,836     |                     |
|          | Cadastral and Engineering Survey                       |          | 1.20%          | 1.24%        | \$ 11,062    |                     |
|          | Design                                                 |          | 1.20%          | 1.24%        | \$ 11,062    |                     |
|          | Environmental Investigations                           |          |                | 0.00%        | \$ -         |                     |
|          | Structural design and certification                    |          | 1.20%          | 1.24%        | \$ 11,062    |                     |
|          | Landscape Design                                       |          |                | 0.00%        | \$ -         |                     |
|          | Preliminary and Final Design                           |          | 4.25%          | 4.40%        | \$ 39,179    |                     |
|          | Construction Management                                |          | 2.50%          | 2.59%        | \$ 23,046    |                     |
| <b>C</b> | <b>Construction including Final Design</b>             |          |                |              | \$ 890,680   | <b>\$ 890,680</b>   |
| <b>1</b> | <b>PRELIMINARIES</b>                                   |          |                |              |              | <b>\$ 185,024</b>   |
| 1.1      | Site Establishment                                     | 1        | item           | 2.50%        | \$ 21,724    |                     |
| 1.2      | Site Management & supervision including QA             | 18       | wks            | \$ 850.00    | \$ 15,300    |                     |
| 1.3      | Provision for traffic                                  | 18       | wks            | \$ 6,000.00  | \$ 108,000   |                     |
| 1.4      | system, installation of temporary 300dia PVC pipes and | 1        | item           | \$ 40,000.00 | \$ 40,000    |                     |
| <b>2</b> | <b>DEMOLITION</b>                                      |          |                |              |              | <b>\$ 3,000</b>     |
| 2.1      | Trees                                                  |          | Item           | \$ 2,000     | \$ -         |                     |
| 2.2      | Fence removal                                          |          | Item           | \$ 1,000     | \$ -         |                     |
| 2.3      | Excavation and removal of existing culvert             | 1        | Item           | \$ 3,000     | \$ 3,000     |                     |
| <b>3</b> | <b>EARTHWORKS</b>                                      |          |                |              |              | <b>\$ 221,162</b>   |
| 3.1      | Stripping topsoil (100mm)                              | 13,838   | m <sup>2</sup> | \$ 3.50      | \$ 48,433    |                     |
| 3.2      | Rock excavation                                        | 1        | Item           |              | \$ 39,310    |                     |
| 3.3      | Fill to road boxing                                    | 1,995    | m <sup>3</sup> | \$ 65.00     | \$ 129,675   |                     |
| 3.4      | Excavation and Removal                                 | 125      | m <sup>3</sup> | \$ 30.00     | \$ 3,744     |                     |
| <b>4</b> | <b>DRAINAGE, PIPES AND CULVERTS</b>                    |          |                |              |              | <b>\$ 418,995</b>   |
| 4.1      | Culvert Base Slab 380 thick + 300 wide edge down turn  | 209      | m <sup>2</sup> | \$ 400.00    | \$ 83,780    |                     |
| 4.2      | 150mm thick Class 2 CR under slab                      | 209      | m <sup>2</sup> | \$ 15.00     | \$ 3,142     |                     |
| 4.3      | 2.1x1.2 Box culverts supply and lay                    | 59       | Lm             | \$ 2,000.00  | \$ 118,400   |                     |
| 4.4      | 2.1 Box culverts cover slabs supply and lay            | 30       | Lm             | \$ 700.00    | \$ 20,720    |                     |
| 4.5      | Backfill and compact Stabilised sand to top of culvert | 36       | m <sup>3</sup> | \$ 350.00    | \$ 12,545    |                     |
| 4.6      | Agg to culverts                                        | 118      | Lm             | \$ 115.00    | \$ 13,616    |                     |
| 4.7      | Construction of endwall Slab                           | 168      | m <sup>2</sup> | \$ 400.00    | \$ 67,200    |                     |
| 4.8      | Construction of endwall                                | 92       | m <sup>2</sup> | \$ 650.00    | \$ 59,592    |                     |
| 4.9      | Rock beaching at ends of culvert                       | 400      | m <sup>2</sup> | \$ 100.00    | \$ 40,000    |                     |
| <b>5</b> | <b>MISCELLANEOUS</b>                                   |          |                |              |              | <b>\$ 62,500</b>    |
| 5.1      | Safety works under power lines(spotter)                |          | weeks          | \$ 3,400.00  | \$ -         |                     |
| 5.2      | Installation of crash barrier above culverts endwalls  | 50       | Lm             | \$ 1,250.00  | \$ 62,500    |                     |
| 5.3      | Guard Rail Transitions & anchor point                  | 4        | Item           | \$ 8,500.00  | \$ 34,000    |                     |
| 5.4      | Ped fence to wingwalls                                 | 44       | Lm             | \$ 155.00    | \$ 6,820     |                     |
| 5.5      | Installation of crash fence                            | 120      | Lm             | \$ 200.00    | \$ 24,000    |                     |
|          | <b>TOTAL A - C</b>                                     |          |                |              | \$ 1,040,020 | <b>\$ 1,040,020</b> |
| <b>D</b> | <b>Contingency</b>                                     |          |                |              |              |                     |
|          | <b>Contingency (20% of C)</b>                          |          |                |              | 20%          | \$ 208,004          |
|          | <b>Total Estimate</b>                                  |          |                |              |              | \$ 1,248,025        |
| <b>E</b> | <b>PROJECT BUDGET</b>                                  |          |                |              |              | <b>\$ 1,248,025</b> |

**Notes:**

- Service relocation / alterations have not been allowed for in the estimate
- Demolition**  
We have only allowed to demolish the items shown above
- EARTHWORKS**  
Cut fill quantities will vary with design, to allow lifting of the road over the culvert  
Allowance made for rock encountered for placing the culverts
- Construction**  
Construction to take place aside existing road prior to road extension
- Installation of culverts to be done prior or during road fill works
- Regrading of creek not included

AUTHOR: Asiri Rajapakse  
Date: 2/09/2015

REVIEWER:  
Date: 2/09/2015

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
SUMMARY SHEET  
V160221T  
Wollert PSP  
18 October 2016  
Version 7      Pre-interim Intersection Project Cost

| ITEM        | DESCRIPTION                    | IN-02           | IN-04           | IN-05 (APA)     | IN-06           | IN-07           | IN-08           | TOTAL           |
|-------------|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A           | Project and Program Management | \$ 98,089.39    | \$ 83,717.60    | \$ 138,083.03   | \$ 106,001.97   | \$ 136,337.17   | \$ 138,887.33   | \$701,116.48    |
| B           | Design and Investigation       | \$ 179,503.58   | \$ 153,203.21   | \$ 252,691.94   | \$ 193,983.60   | \$ 249,497.01   | \$ 254,163.81   | \$1,283,043.16  |
| C           | Additional Items               | \$ 260,452.39   | \$ 266,236.86   | \$ 285,493.15   | \$ 290,296.91   | \$ 268,203.59   | \$ 277,587.23   | \$1,648,270.13  |
| D           | Construction                   | \$ 2,229,304.25 | \$ 1,902,672.77 | \$ 3,138,250.64 | \$ 2,409,135.62 | \$ 3,098,571.96 | \$ 3,156,530.18 | \$15,934,465.41 |
| TOTAL A - D |                                | \$ 2,767,349.60 | \$ 2,405,830.45 | \$ 3,814,518.75 | \$ 2,999,418.09 | \$ 3,752,609.73 | \$ 3,827,168.55 | \$19,566,895.17 |
| E           | CONTINGENCY                    |                 |                 |                 |                 |                 |                 |                 |
|             | Contingency (15% of D)         | \$ 334,395.64   | \$ 285,400.92   | \$ 470,737.60   | \$ 361,370.34   | \$ 464,785.79   | \$ 473,479.53   | \$2,390,169.81  |
| F           | PROJECT BUDGET                 |                 |                 |                 |                 |                 |                 |                 |
|             | Total Estimate                 | \$ 3,101,745.24 | \$ 2,691,231.36 | \$ 4,285,256.35 | \$ 3,360,788.43 | \$ 4,217,395.53 | \$ 4,300,648.07 | \$21,957,064.99 |

**Notes:**

- 1 Cost does not include southern leg of intersection IN-2, IN-4, IN-5, IN-6
- 2 Site establishment - Not included in pre-interim
- 3 Soft spot rectification - Taken as 20% of sub-base pavement
- 4 Rock excavation - Assume 50% of sub-base pavement
- 5 Pavement - Assume deep lift asphalt pavement
- 6 Subsoil drains - Assume same as kerb and channel
- 7 Drainage - Assume 375 DIA RCP
- 8 Side entry pits - Based on 50m intervals
- 9 Light pole - Based on 70m intervals
- 10 Existing road - Existing asphalt roads to be demolished as part of intersection works
- 11 Substation - No allowance for substations
- 12 Tree planting - Based on 80m intervals

AUTHOR: J.Ly  
Date: 18/10/2016

REVIEWER: R.Henry  
Date: 18/10/2016

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-02

PM %: 8.80%

18 October 2016  
Version 7

| ITEM        | DESCRIPTION                                                      | QUANTITY | UNIT  | RATE          | AMOUNT          | SUBTOTAL        | DCP WORKS       |                 | FUTURE REDUNDANT WORKS |               |
|-------------|------------------------------------------------------------------|----------|-------|---------------|-----------------|-----------------|-----------------|-----------------|------------------------|---------------|
|             |                                                                  |          |       |               |                 |                 | QUANTITY        | AMOUNT          | QUANTITY               | AMOUNT        |
| A           | Project and Program Management                                   |          |       |               |                 | \$ 98,089.39    |                 | \$ 73,583.10    |                        | \$ 24,506.29  |
|             | Project Management                                               |          | 3.00% | 2.64%         | \$ 58,853.63    |                 |                 | \$ 44,149.86    |                        | \$ 14,703.77  |
|             | Program Administration                                           |          | 2.00% | 1.76%         | \$ 39,235.75    |                 |                 | \$ 29,433.24    |                        | \$ 9,802.51   |
| B           | Design and Investigation                                         |          |       |               |                 | \$ 179,503.58   |                 | \$ 134,657.07   |                        | \$ 44,846.51  |
|             | Traffic Investigations                                           |          |       | 0.00%         | \$ -            |                 |                 |                 |                        |               |
|             | Cadastral and Engineering Survey                                 |          | 1.20% | 1.06%         | \$ 23,541.45    |                 |                 | \$ 17,659.94    |                        | \$ 5,881.51   |
|             | Geotechnical investigations Pavement Investigations and Design   |          | 1.20% | 1.06%         | \$ 23,541.45    |                 |                 | \$ 17,659.94    |                        | \$ 5,881.51   |
|             | Environmental Investigations                                     |          |       | 0.00%         | \$ -            |                 |                 | \$ -            |                        | \$ -          |
|             | Landscape Design                                                 |          |       | 0.00%         | \$ -            |                 |                 | \$ -            |                        | \$ -          |
|             | Preliminary and Final Design                                     |          | 4.25% | 3.74%         | \$ 83,375.98    |                 |                 | \$ 62,545.64    |                        | \$ 20,830.34  |
|             | Construction Management                                          |          | 2.50% | 2.20%         | \$ 49,044.69    |                 |                 | \$ 36,791.55    |                        | \$ 12,253.14  |
| C           | Additional Items                                                 |          |       |               |                 | \$ 260,452.39   |                 | \$ 242,351.15   |                        | \$ 18,101.23  |
| 1           | SITE ESTABLISHMENT                                               | N/A      | Item  |               |                 |                 |                 |                 |                        |               |
| 2           | SERVICE RELOCATION                                               |          |       |               |                 | \$ 88,000.00    |                 |                 |                        |               |
| 2.1         | Relocating Power Pole (HV)                                       | 3        | No    | \$ 7,500.00   | \$ 22,500.00    |                 | 3               | \$ 22,500.00    |                        |               |
| 2.2         | Relocating communication pole                                    |          | No    | \$ 3,500.00   | \$ -            |                 |                 | \$ -            |                        |               |
| 2.3         | Telecom conduiting                                               | 260      | m     | \$ 150.00     | \$ 39,000.00    |                 | 260             | \$ 39,000.00    |                        |               |
| 2.4         | Telecom cabling (re-pulling)                                     | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1               | \$ 25,000.00    |                        |               |
| 2.5         | Remove redundant telecom pole                                    | 1        | No    | \$ 1,500.00   | \$ 1,500.00     |                 | 1               | \$ 1,500.00     |                        |               |
| 3           | VicRoads                                                         |          |       |               |                 | \$ 172,452.39   |                 |                 |                        |               |
| 3.1         | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item  | \$ 72,452.39  | \$ 72,452.39    |                 | 1               | \$ 54,351.15    | 1                      | \$ 18,101.23  |
| 3.2         | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                  | 1        | Item  | \$ 100,000.00 | \$ 100,000.00   |                 | 1               | \$ 100,000.00   |                        |               |
| D           | Construction                                                     |          |       |               | \$ 2,229,304.25 | \$ 2,229,304.25 |                 | \$ 1,672,343.18 |                        | \$ 556,961.07 |
| 1           | PRELIMINARIES                                                    | N/A      |       |               |                 | \$ 40,000.00    |                 |                 |                        |               |
| 1.1         | Site management & supervision including QA                       |          | weeks |               |                 |                 |                 |                 |                        |               |
| 1.2         | Provision for traffic                                            | 1        | Item  | \$ 40,000.00  | \$ 40,000.00    |                 | 1               | \$ 30,000.00    | 1                      | \$ 10,000.00  |
| 2           | DEMOLITION                                                       |          |       |               |                 | \$ 44,000.00    |                 |                 |                        |               |
| 2.1         | Trees                                                            | 13       | No    | \$ 500.00     | \$ 6,500.00     |                 | 13              | \$ 6,500.00     |                        |               |
| 2.2         | Demolition of existing Road                                      | 1        | Item  | \$ 37,500.00  | \$ 37,500.00    |                 | 1               | \$ 37,500.00    |                        |               |
| 3           | EARTHWORKS                                                       |          |       |               |                 | \$ 360,902.50   |                 |                 |                        |               |
| 3.1         | Stripping topsoil (150mm)                                        | 8,350    | m²    | \$ 6.00       | \$ 50,100.00    |                 | 6,236           | \$ 37,417.50    | 2,114                  | \$ 12,682.50  |
| 3.2         | Cutting                                                          | 1,548    | m³    | \$ 15.00      | \$ 23,220.00    |                 | 1,023           | \$ 15,349.68    | 525                    | \$ 7,870.32   |
| 3.3         | Filling and compact                                              | 610      | m³    | \$ 12.00      | \$ 7,320.00     |                 | 403             | \$ 4,838.92     | 207                    | \$ 2,481.08   |
| 3.4         | Cart off excess material                                         | 938      | m³    | \$ 15.00      | \$ 14,070.00    |                 | 620             | \$ 9,301.03     | 318                    | \$ 4,768.97   |
| 3.5         | Soft spot rectification (reclaimed FCR)                          | 1,299    | m³    | \$ 30.00      | \$ 38,955.00    |                 | 833             | \$ 24,987.30    | 466                    | \$ 13,967.70  |
| 3.6         | Rock excavation & sub-surface remediation 450mm                  | 3,246    | m²    | \$ 70.00      | \$ 227,237.50   |                 | 2,082           | \$ 145,759.25   | 1,164                  | \$ 81,478.25  |
| 4           | PAVEMENT                                                         |          |       |               |                 | \$ 1,050,267.50 |                 |                 |                        |               |
| 4.1         | Deep lift asphalt 195 mm                                         | 5,885    | m²    | \$ 105.00     | \$ 617,925.00   |                 | 3,771           | \$ 395,981.25   | 2,114                  | \$ 221,943.75 |
| 4.2         | Sub-base course - 250 mm 3% CTCR                                 | 6,493    | m²    | \$ 55.00      | \$ 357,087.50   |                 | 4,165           | \$ 229,050.25   | 2,328                  | \$ 128,037.25 |
| 4.3         | Shoulder - full depth pavement                                   | 519      | m²    | \$ 145.00     | \$ 75,255.00    |                 | 268             | \$ 38,823.75    | 251                    | \$ 36,431.25  |
| 5           | DRAINAGE                                                         |          |       |               |                 | \$ 193,160.00   |                 |                 |                        |               |
| 5.1         | Subsoil drains 100mm dia - screenings                            | 675      | Lm    | \$ 30.00      | \$ 20,250.00    |                 | 360             | \$ 10,800.00    | 315                    | \$ 9,450.00   |
| 5.2         | 375 RCP (class 2)                                                | 723      | Lm    | \$ 170.00     | \$ 122,910.00   |                 | 723             | \$ 122,910.00   |                        |               |
| 5.3         | Side entry pits                                                  | 20       | No    | \$ 2,500.00   | \$ 50,000.00    |                 | 20              | \$ 50,000.00    |                        |               |
| 6           | CONCRETE WORKS                                                   |          |       |               |                 | \$ 76,240.00    |                 |                 |                        |               |
| 6.1         | Kerb & channel                                                   | 675      | Lm    | \$ 50.00      | \$ 33,750.00    |                 | 360             | \$ 18,000.00    | 315                    | \$ 15,750.00  |
| 6.2         | Shared Pathway (3.0m wide,125 mm, residential, as per MPA)       | 176      | Lm    | \$ 130.00     | \$ 22,880.00    |                 | 141             | \$ 18,330.00    | 35                     | \$ 4,550.00   |
| 6.3         | Pedestrian Footpaths (1.5m wide,125 mm, residential, as per MPA) | 184      | Lm    | \$ 65.00      | \$ 11,960.00    |                 | 184             | \$ 11,960.00    |                        |               |
| 6.4         | Laybacks and tactile pavers                                      | 6        | No    | \$ 850.00     | \$ 5,100.00     |                 | 6               | \$ 5,100.00     |                        |               |
| 6.5         | 10m concrete maintenance area end of all islands                 | 30       | m²    | \$ 85.00      | \$ 2,550.00     |                 |                 |                 | 85                     | \$ 2,550.00   |
| 7           | TRAFFIC SIGNAL WORKS                                             |          |       |               |                 | \$ 302,000.00   |                 |                 |                        |               |
| 7.1         | General items                                                    | 1        | Item  | \$ 27,500.00  | \$ 27,500.00    |                 | 1               | \$ 27,500.00    |                        |               |
| 7.2         | Conduits                                                         | 1        | Item  | \$ 28,000.00  | \$ 28,000.00    |                 | 1               | \$ 28,000.00    |                        |               |
| 7.3         | Pedestals                                                        | 1        | Item  | \$ 65,000.00  | \$ 65,000.00    |                 | 1               | \$ 65,000.00    |                        |               |
| 7.4         | Lanterns                                                         | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1               | \$ 25,000.00    |                        |               |
| 7.5         | Controller                                                       | 1        | Item  | \$ 82,500.00  | \$ 82,500.00    |                 | 1               | \$ 82,500.00    |                        |               |
| 7.6         | Detectors                                                        | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1               | \$ 15,000.00    |                        |               |
| 7.7         | Cabling & connections                                            | 1        | Item  | \$ 48,000.00  | \$ 48,000.00    |                 | 1               | \$ 48,000.00    |                        |               |
| 7.8         | Clean-up                                                         | 1        | Item  | \$ 11,000.00  | \$ 11,000.00    |                 | 1               | \$ 11,000.00    |                        |               |
| 8           | POWER & LIGHTING                                                 |          |       |               |                 | \$ 118,000.00   |                 |                 |                        |               |
| 8.1         | Light pole (1-way) and luminous lights                           | 6        | No    | \$ 8,000.00   | \$ 48,000.00    |                 | 6               | \$ 48,000.00    |                        |               |
| 8.2         | Light pole (2-way) and luminous lights                           | 1        | No    | \$ 9,000.00   | \$ 9,000.00     |                 | 1               | \$ 9,000.00     |                        |               |
| 8.3         | JUP lighting single                                              | 4        | No    | \$ 4,000.00   | \$ 16,000.00    |                 | 4               | \$ 16,000.00    |                        |               |
| 8.4         | JUP lighting dual                                                |          | No    | \$ 5,000.00   | \$ -            |                 |                 | \$ -            |                        |               |
| 8.5         | Cabling, conduits and pits                                       | 1        | Item  | \$ 30,000.00  | \$ 30,000.00    |                 | 1               | \$ 30,000.00    |                        |               |
| 8.6         | Electrical connection                                            | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1               | \$ 15,000.00    |                        |               |
| 9           | LANDSCAPING WORKS                                                |          |       |               |                 | \$ 14,734.25    |                 |                 |                        |               |
| 9.1         | Topsoiling seeding                                               | 1,381    | m²    | \$ 8.50       | \$ 11,734.25    |                 | 1,381           | \$ 11,734.25    |                        |               |
| 9.2         | Tree planting                                                    | 12       | No    | \$ 250.00     | \$ 3,000.00     |                 | 12              | \$ 3,000.00     |                        |               |
| 10          | DELINEATION                                                      |          |       |               |                 | \$ 30,000.00    |                 |                 |                        |               |
| 10.1        | Signing                                                          | 1        | item  | \$ 10,000.00  | \$ 10,000.00    |                 | 1               | \$ 10,000.00    |                        |               |
| 10.2        | Linemarking (Thermoplastic)                                      | 1        | item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1               | \$ 15,000.00    | 1                      | \$ 5,000.00   |
| TOTAL A - D |                                                                  |          |       |               |                 | \$ 2,767,349.60 | \$ 2,767,349.60 | \$ 2,122,934.51 |                        | \$ 644,415.09 |
| E           | Contingency                                                      |          |       |               |                 |                 |                 |                 |                        |               |
|             | Contingency (15% of D)                                           |          |       |               | 15%             | \$ 334,395.64   |                 | \$ 250,851.48   |                        | \$ 83,544.16  |
| F           | PROJECT BUDGET                                                   |          |       |               |                 |                 |                 |                 |                        |               |
|             | Total Estimate                                                   |          |       |               |                 | \$ 3,101,745.24 |                 | \$ 2,373,785.99 |                        | \$ 727,959.25 |

NB: Cost split of Total Estimate

|                                                             |               |
|-------------------------------------------------------------|---------------|
| DCP %                                                       | 77%           |
| Developer %                                                 | 23%           |
| Cost of southern leg works (not included in total estimate) | \$ 865,169.80 |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-04

18 October 2016  
Version 7

PM %: 8.80%

| ITEM        | DESCRIPTION                                                      | QUANTITY | UNIT  | RATE          | AMOUNT          | SUBTOTAL        | DCP WORKS |                 | FUTURE REDUNDANT WORKS |               |
|-------------|------------------------------------------------------------------|----------|-------|---------------|-----------------|-----------------|-----------|-----------------|------------------------|---------------|
|             |                                                                  |          |       |               |                 |                 | QUANTITY  | AMOUNT          | QUANTITY               | AMOUNT        |
| A           | Project and Program Management                                   |          |       |               |                 | \$ 83,717.60    |           | \$ 67,978.67    |                        | \$ 15,738.93  |
|             | Project Management                                               |          | 3.00% | 2.64%         | \$ 50,230.56    |                 |           | \$ 40,787.20    |                        | \$ 9,443.36   |
|             | Program Administration                                           |          | 2.00% | 1.76%         | \$ 33,487.04    |                 |           | \$ 27,191.47    |                        | \$ 6,295.57   |
| B           | Design and Investigation                                         |          |       |               |                 | \$ 153,203.21   |           | \$ 124,400.97   |                        | \$ 28,802.25  |
|             | Traffic Investigations                                           |          |       | 0.00%         | \$ -            |                 |           |                 |                        |               |
|             | Cadastral and Engineering Survey                                 |          | 1.20% | 1.06%         | \$ 20,092.22    |                 |           | \$ 16,314.88    |                        | \$ 3,777.34   |
|             | Geotechnical investigations Pavement Investigations and Design   |          | 1.20% | 1.06%         | \$ 20,092.22    |                 |           | \$ 16,314.88    |                        | \$ 3,777.34   |
|             | Environmental Investigations                                     |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Landscape Design                                                 |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Preliminary and Final Design                                     |          | 4.25% | 3.74%         | \$ 71,159.96    |                 |           | \$ 57,781.87    |                        | \$ 13,378.09  |
|             | Construction Management                                          |          | 2.50% | 2.20%         | \$ 41,858.80    |                 |           | \$ 33,989.33    |                        | \$ 7,869.47   |
| C           | Additional Items                                                 |          |       |               |                 | \$ 266,236.86   |           | \$ 254,611.52   |                        | \$ 11,625.35  |
| 1           | SITE ESTABLISHMENT                                               | N/A      | Item  |               |                 |                 |           |                 |                        |               |
| 2           | SERVICE RELOCATION                                               |          |       |               |                 | \$ 104,400.00   |           |                 |                        |               |
| 2.1         | Relocating Power Pole (HV)                                       |          | No    | \$ 7,500.00   | \$ -            |                 |           |                 |                        |               |
| 2.2         | Relocating communication pole                                    | 7        | No    | \$ 3,500.00   | \$ 24,500.00    |                 | 7         | \$ 24,500.00    |                        |               |
| 2.3         | Relocating light pole                                            |          | No    | \$ 3,000.00   | \$ -            |                 |           |                 |                        |               |
| 2.4         | Telecom conduiting                                               | 366      | m     | \$ 150.00     | \$ 54,900.00    |                 | 366       | \$ 54,900.00    |                        |               |
| 2.5         | Telecom cabling (re-pulling)                                     | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |               |
| 2.6         | Remove redundant telecom pole                                    |          | No    | \$ 1,500.00   | \$ -            |                 |           |                 |                        |               |
| 3           | VicRoads                                                         |          |       |               |                 | \$ 161,836.86   |           |                 |                        |               |
| 3.1         | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item  | \$ 61,836.86  | \$ 61,836.86    |                 | 1         | \$ 50,211.52    | 1                      | \$ 11,625.35  |
| 3.2         | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                  | 1        | Item  | \$ 100,000.00 | \$ 100,000.00   |                 | 1         | \$ 100,000.00   |                        |               |
| D           | Construction                                                     |          |       |               | \$ 1,902,672.77 | \$ 1,902,672.77 |           | \$ 1,544,969.77 |                        | \$ 357,703.00 |
| 1           | PRELIMINARIES                                                    | N/A      | weeks |               |                 | \$ 40,000.00    |           |                 |                        |               |
| 1.1         | Site management & supervision including QA                       |          |       |               |                 |                 |           |                 |                        |               |
| 1.2         | Provision for traffic                                            | 1        | Item  | \$ 40,000.00  | \$ 40,000.00    |                 | 1         | \$ 32,400.00    | 1                      | \$ 7,600.00   |
| 2           | DEMOLITION                                                       |          |       |               |                 | \$ 42,000.00    |           |                 |                        |               |
| 2.1         | Trees                                                            |          | No    | \$ 500.00     | \$ -            |                 |           |                 |                        |               |
| 2.2         | Demolition of existing Road                                      | 1        | Item  | \$ 42,000.00  | \$ 42,000.00    |                 | 1         | \$ 42,000.00    |                        |               |
| 2.3         | Demolition of existing fence                                     |          |       |               |                 |                 |           |                 |                        |               |
| 3           | EARTHWORKS                                                       |          |       |               |                 | \$ 287,942.77   |           |                 |                        |               |
| 3.1         | Stripping topsoil (150mm)                                        | 6,770    | m²    | \$ 6.00       | \$ 40,620.00    |                 | 5,660     | \$ 33,960.00    | 1,110                  | \$ 6,660.00   |
| 3.2         | Cutting                                                          | 1,019    | m³    | \$ 15.00      | \$ 15,277.66    |                 | 819       | \$ 12,281.51    | 200                    | \$ 2,996.15   |
| 3.3         | Filling and compact                                              | 399      | m³    | \$ 12.00      | \$ 4,787.00     |                 | 321       | \$ 3,848.21     | 78                     | \$ 938.79     |
| 3.4         | Cart off excess material                                         | 620      | m³    | \$ 15.00      | \$ 9,293.91     |                 | 498       | \$ 7,471.25     | 122                    | \$ 1,822.66   |
| 3.5         | Soft spot rectification (reclaimed FCR)                          | 1,063    | m³    | \$ 30.00      | \$ 31,897.20    |                 | 817       | \$ 24,502.80    | 246                    | \$ 7,394.40   |
| 3.6         | Rock excavation & sub-surface remediation 450mm                  | 2,658    | m²    | \$ 70.00      | \$ 186,067.00   |                 | 2,042     | \$ 142,933.00   | 616                    | \$ 43,134.00  |
| 4           | PAVEMENT                                                         |          |       |               |                 | \$ 847,661.00   |           |                 |                        |               |
| 4.1         | Deep lift asphalt 195 mm                                         | 4,787    | m²    | \$ 105.00     | \$ 502,635.00   |                 | 3,677     | \$ 386,085.00   | 1,110                  | \$ 116,550.00 |
| 4.2         | Sub-base course - 250 mm 3% CTCR                                 | 5,316    | m²    | \$ 55.00      | \$ 292,391.00   |                 | 4,084     | \$ 224,609.00   | 1,232                  | \$ 67,782.00  |
| 4.3         | Shoulder - full depth pavement                                   | 363      | m²    | \$ 145.00     | \$ 52,635.00    |                 | -         | \$ -            | 363                    | \$ 52,635.00  |
| 5           | DRAINAGE                                                         |          |       |               |                 | \$ 182,900.00   |           |                 |                        |               |
| 5.1         | Subsoil drains 100mm dia - screenings                            | 588      | Lm    | \$ 30.00      | \$ 17,640.00    |                 | 273       | \$ 8,190.00     | 315                    | \$ 9,450.00   |
| 5.2         | 375 RCP (class 2)                                                | 678      | Lm    | \$ 170.00     | \$ 115,260.00   |                 | 678       | \$ 115,260.00   |                        |               |
| 5.3         | Side entry pits                                                  | 20       | No    | \$ 2,500.00   | \$ 50,000.00    |                 | 20        | \$ 50,000.00    |                        |               |
| 6           | CONCRETE WORKS                                                   |          |       |               |                 | \$ 55,690.00    |           |                 |                        |               |
| 6.1         | Kerb & channel                                                   | 588      | Lm    | \$ 50.00      | \$ 29,400.00    |                 | 273       | \$ 13,650.00    | 315                    | \$ 15,750.00  |
| 6.2         | Shared Pathway (3.0m wide,125 mm, residential, as per MPA)       | 146      | Lm    | \$ 130.00     | \$ 18,980.00    |                 | -         |                 | 146                    | \$ 18,980.00  |
| 6.3         | Pedestrian Footpaths (1.5m wide,125 mm, residential, as per MPA) | -        | Lm    | \$ 65.00      | \$ -            |                 |           |                 |                        |               |
| 6.4         | Laybacks and tactile pavers                                      | 6        | No    | \$ 850.00     | \$ 5,100.00     |                 | 6         | \$ 5,100.00     |                        |               |
| 6.5         | 10m concrete maintenance area end of all islands                 | 26       | m²    | \$ 85.00      | \$ 2,210.00     |                 |           |                 | 26                     | \$ 2,210.00   |
| 7           | TRAFFIC SIGNAL WORKS                                             |          |       |               |                 | \$ 302,000.00   |           |                 |                        |               |
| 7.1         | General Items                                                    | 1        | Item  | \$ 27,500.00  | \$ 27,500.00    |                 | 1         | \$ 27,500.00    |                        |               |
| 7.2         | Conduits                                                         | 1        | Item  | \$ 28,000.00  | \$ 28,000.00    |                 | 1         | \$ 28,000.00    |                        |               |
| 7.3         | Pedestals                                                        | 1        | Item  | \$ 65,000.00  | \$ 65,000.00    |                 | 1         | \$ 65,000.00    |                        |               |
| 7.4         | Lanterns                                                         | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |               |
| 7.5         | Controller                                                       | 1        | Item  | \$ 82,500.00  | \$ 82,500.00    |                 | 1         | \$ 82,500.00    |                        |               |
| 7.6         | Detectors                                                        | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |               |
| 7.7         | Cabling & connections                                            | 1        | Item  | \$ 48,000.00  | \$ 48,000.00    |                 | 1         | \$ 48,000.00    |                        |               |
| 7.8         | Clean-up                                                         | 1        | Item  | \$ 11,000.00  | \$ 11,000.00    |                 | 1         | \$ 11,000.00    |                        |               |
| 8           | POWER & LIGHTING                                                 |          |       |               |                 | \$ 101,000.00   |           |                 |                        |               |
| 8.1         | Light pole (1-wav) and luminous lights                           | 5        | No    | \$ 8,000.00   | \$ 40,000.00    |                 | 5         | \$ 40,000.00    |                        |               |
| 8.2         | Light pole (2-wav) and luminous lights                           |          | No    | \$ 9,000.00   | \$ -            |                 |           |                 |                        |               |
| 8.3         | JUP lighting single                                              | 4        | No    | \$ 4,000.00   | \$ 16,000.00    |                 | 4         | \$ 16,000.00    |                        |               |
| 8.4         | JUP lighting dual                                                |          | No    | \$ 5,000.00   | \$ -            |                 |           |                 |                        |               |
| 8.5         | Cabling, conduits and pits                                       | 1        | Item  | \$ 30,000.00  | \$ 30,000.00    |                 | 1         | \$ 30,000.00    |                        |               |
| 8.6         | Electrical connection                                            | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |               |
| 9           | LANDSCAPING WORKS                                                |          |       |               |                 | \$ 13,479.00    |           |                 |                        |               |
| 9.1         | Topsoiling seeding                                               | 1,174    | m²    | \$ 8.50       | \$ 9,979.00     |                 | 1,174     | \$ 9,979.00     |                        |               |
| 9.2         | Tree planting                                                    | 14       | No    | \$ 250.00     | \$ 3,500.00     |                 | 14        | \$ 3,500.00     |                        |               |
| 10          | DELINEATION                                                      |          |       |               |                 | \$ 30,000.00    |           |                 |                        |               |
| 10.1        | Signing                                                          | 1        | Item  | \$ 10,000.00  | \$ 10,000.00    |                 | 1         | \$ 10,000.00    |                        |               |
| 10.2        | Linemarking (Thermoplastic)                                      | 1        | Item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1         | \$ 16,200.00    | 1                      | \$ 3,800.00   |
| TOTAL A - D |                                                                  |          |       |               | \$ 2,405,830.45 | \$ 2,405,830.45 |           | \$ 1,991,960.92 |                        | \$ 413,869.52 |
| E           | Contingency                                                      |          |       |               |                 |                 |           |                 |                        |               |
|             | Contingency (15% of D)                                           |          |       |               | 15%             | \$ 285,400.92   |           | \$ 231,745.47   |                        | \$ 53,655.45  |
| F           | PROJECT BUDGET                                                   |          |       |               |                 |                 |           |                 |                        |               |
|             | Total Estimate                                                   |          |       |               |                 | \$ 2,691,231.36 |           | \$ 2,223,706.39 |                        | \$ 467,524.97 |

NB: Cost split of Total Estimate

|                                                             |               |
|-------------------------------------------------------------|---------------|
| DCP %                                                       | 83%           |
| Developer %                                                 | 17%           |
| Cost of southern leg works (not included in total estimate) | \$ 753,600.80 |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-05 (APA)

PM %: 8.80%

18 October 2016  
Version 7

| ITEM        | DESCRIPTION                                                                  | QUANTITY | UNIT           | RATE          | AMOUNT          | SUBTOTAL        | DCP WORKS |                 | FUTURE REDUNDANT WORKS |                 |
|-------------|------------------------------------------------------------------------------|----------|----------------|---------------|-----------------|-----------------|-----------|-----------------|------------------------|-----------------|
|             |                                                                              |          |                |               |                 |                 | QUANTITY  | AMOUNT          | QUANTITY               | AMOUNT          |
| A           | Project and Program Management                                               |          |                |               |                 | \$ 138,083.03   |           | \$ 104,407.05   |                        | \$ 33,675.98    |
|             | Project Management                                                           |          | 3.00%          | 2.64%         | \$ 82,849.82    |                 |           | \$ 62,644.23    |                        | \$ 20,205.59    |
|             | Program Administration                                                       |          | 2.00%          | 1.76%         | \$ 55,233.21    |                 |           | \$ 41,762.82    |                        | \$ 13,470.39    |
| B           | Design and Investigation                                                     |          |                |               |                 | \$ 252,691.94   |           | \$ 191,064.90   |                        | \$ 61,627.04    |
|             | Traffic Investigations                                                       |          |                | 0.00%         | \$ -            |                 |           |                 |                        |                 |
|             | Cadastral and Engineering Survey                                             |          | 1.20%          | 1.06%         | \$ 33,139.93    |                 |           | \$ 25,057.69    |                        | \$ 8,082.23     |
|             | Geotechnical Investigations Pavement Investigations and Design               |          | 1.20%          | 1.06%         | \$ 33,139.93    |                 |           | \$ 25,057.69    |                        | \$ 8,082.23     |
|             | Environmental Investigations                                                 |          |                | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -            |
|             | Landscape Design                                                             |          |                | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -            |
|             | Preliminary and Final Design                                                 |          | 4.25%          | 3.74%         | \$ 117,370.57   |                 |           | \$ 88,745.99    |                        | \$ 28,624.58    |
|             | Construction Management                                                      |          | 2.50%          | 2.20%         | \$ 69,041.51    |                 |           | \$ 52,203.53    |                        | \$ 16,837.99    |
| C           | Additional Items                                                             |          |                |               |                 | \$ 285,493.15   |           | \$ 260,618.84   |                        | \$ 24,874.30    |
| 1           | SITE ESTABLISHMENT                                                           | N/A      | Item           |               |                 |                 |           |                 |                        |                 |
| 2           | SERVICE RELOCATION                                                           |          |                |               |                 | \$ 83,500.00    |           |                 |                        |                 |
| 2.1         | Relocating Power Pole (HV)                                                   | 4        | No             | \$ 7,500.00   | \$ 30,000.00    |                 | 4         | \$ 30,000.00    |                        |                 |
| 2.2         | Relocating communication pole                                                |          | No             | \$ 3,500.00   | \$ -            |                 | -         | \$ -            |                        |                 |
| 2.3         | Relocating light pole                                                        |          | No             | \$ 3,000.00   | \$ -            |                 | -         | \$ -            |                        |                 |
| 2.4         | Telecom conduiting                                                           | 190      | m              | \$ 150.00     | \$ 28,500.00    |                 | 190       | \$ 28,500.00    |                        |                 |
| 2.5         | Telecom cabling (re-pulling)                                                 | 1        | Item           | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |                 |
| 2.6         | Remove redundant telecom pole                                                |          | No             | \$ 1,500.00   | \$ -            |                 | -         | \$ -            |                        |                 |
| 3           | VicRoads                                                                     |          |                |               |                 | \$ 201,993.15   |           |                 |                        |                 |
| 3.1         | VicRoads approvals/construction fees (3.25% of construction)                 | 1        | Item           | \$101,993.15  | \$ 101,993.15   |                 | 1         | \$ 77,118.84    | 1                      | \$ 24,874.30    |
| 3.2         | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                              | 1        | Item           | \$ 100,000.00 | \$ 100,000.00   |                 | 1         | \$ 100,000.00   |                        |                 |
| D           | Construction                                                                 |          |                |               | \$ 3,138,250.64 | \$ 3,138,250.64 |           | \$ 2,372,887.53 |                        | \$ 765,363.11   |
| 1           | PRELIMINARIES                                                                | N/A      | weeks          |               |                 | \$ 40,000.00    |           |                 |                        |                 |
| 1.1         | Site management & supervision including QA                                   |          |                |               |                 |                 |           |                 |                        |                 |
| 1.2         | Provision for traffic                                                        | 1        | Item           | \$ 40,000.00  | \$ 40,000.00    |                 | 1         | \$ 29,200.00    | 1                      | \$ 10,800.00    |
| 2           | DEMOLITION                                                                   |          |                |               |                 | \$ 75,900.00    |           |                 |                        |                 |
| 2.1         | Trees                                                                        | 7        | No             | \$ 500.00     | \$ 3,500.00     |                 | 7         | \$ 3,500.00     |                        |                 |
| 2.2         | Demolition of existing Road                                                  | 1        | Item           | \$ 57,400.00  | \$ 57,400.00    |                 | 1         | \$ 57,400.00    |                        |                 |
| 2.3         | Demolition of existing fence                                                 | 1        | Item           | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |                 |
| 3           | EARTHWORKS                                                                   |          |                |               |                 | \$ 450,160.51   |           |                 |                        |                 |
| 3.1         | Stripping topsoil (150mm)                                                    | 11,800   | m <sup>2</sup> | \$ 6.00       | \$ 70,800.00    |                 | 9,198     | \$ 55,188.00    | 2,602                  | \$ 15,612.00    |
| 3.2         | Cutting                                                                      | 1,591    | m <sup>3</sup> | \$ 15.00      | \$ 23,865.96    |                 | 1,141     | \$ 17,114.57    | 450                    | \$ 6,751.38     |
| 3.3         | Filling and compact                                                          | 623      | m <sup>3</sup> | \$ 12.00      | \$ 7,478.00     |                 | 447       | \$ 5,362.57     | 176                    | \$ 2,115.43     |
| 3.4         | Cart off excess material                                                     | 968      | m <sup>3</sup> | \$ 15.00      | \$ 14,518.46    |                 | 694       | \$ 10,411.37    | 274                    | \$ 4,107.09     |
| 3.5         | Soft spot rectification (reclaimed FCR)                                      | 1,627    | m <sup>3</sup> | \$ 30.00      | \$ 48,804.60    |                 | 1,031     | \$ 30,935.40    | 596                    | \$ 17,869.20    |
| 3.6         | Rock excavation & sub-surface remediation 450mm                              | 4,067    | m <sup>2</sup> | \$ 70.00      | \$ 284,693.50   |                 | 2,578     | \$ 180,456.50   | 1,489                  | \$ 104,237.00   |
| 4           | PAVEMENT                                                                     |          |                |               |                 | \$ 1,411,785.50 |           |                 |                        |                 |
| 4.1         | Deep lift asphalt 195 mm                                                     | 7,478    | m <sup>2</sup> | \$ 105.00     | \$ 785,190.00   |                 | 4,876     | \$ 511,980.00   | 2,602                  | \$ 273,210.00   |
| 4.2         | Sub-base course - 250 mm 3% CTCR                                             | 8,134    | m <sup>2</sup> | \$ 55.00      | \$ 447,375.50   |                 | 5,156     | \$ 283,574.50   | 2,978                  | \$ 163,801.00   |
| 4.3         | Shoulder - full depth pavement                                               | 1,236    | m <sup>2</sup> | \$ 145.00     | \$ 179,220.00   |                 | 600       | \$ 87,000.00    | 636                    | \$ 92,220.00    |
| 5           | DRAINAGE                                                                     |          |                |               |                 | \$ 227,120.00   |           |                 |                        |                 |
| 5.1         | Subsoil drains 100mm dia - screenings                                        | 729      | Lm             | \$ 30.00      | \$ 21,870.00    |                 | 53        | \$ 1,590.00     | 676                    | \$ 20,280.00    |
| 5.2         | 375 RCP (class 2)                                                            | 825      | Lm             | \$ 170.00     | \$ 140,250.00   |                 | 825       | \$ 140,250.00   |                        |                 |
| 5.3         | Side entry pits                                                              | 26       | No             | \$ 2,500.00   | \$ 65,000.00    |                 | 26        | \$ 65,000.00    |                        |                 |
| 6           | CONCRETE WORKS                                                               |          |                |               |                 | \$ 84,220.00    |           |                 |                        |                 |
| 6.1         | Kerb & channel                                                               | 729      | Lm             | \$ 50.00      | \$ 36,450.00    |                 | 53        | \$ 2,650.00     | 676                    | \$ 33,800.00    |
| 6.2         | Shared Pathway (3.0m wide,125 mm, residential, as per MPA)                   | 255      | Lm             | \$ 130.00     | \$ 33,150.00    |                 | 222       | \$ 28,860.00    | 33                     | \$ 4,290.00     |
| 6.3         | Pedestrian Footpaths (1.5m wide,125 mm, residential, as per MPA)             | -        | Lm             | \$ 65.00      | \$ -            |                 |           |                 |                        |                 |
| 6.4         | Laybacks and tactile pavers                                                  | 6        | No             | \$ 850.00     | \$ 5,100.00     |                 | 6         | \$ 5,100.00     |                        |                 |
| 6.5         | 10m concrete maintenance area end of all islands                             | 112      | m <sup>2</sup> | \$ 85.00      | \$ 9,520.00     |                 |           |                 | 112                    | \$ 9,520.00     |
| 7           | TRAFFIC SIGNAL WORKS                                                         |          |                |               |                 | \$ 302,000.00   |           |                 |                        |                 |
| 7.1         | General items                                                                | 1        | Item           | \$ 27,500.00  | \$ 27,500.00    |                 | 1         | \$ 27,500.00    |                        |                 |
| 7.2         | Conduits                                                                     | 1        | Item           | \$ 28,000.00  | \$ 28,000.00    |                 | 1         | \$ 28,000.00    |                        |                 |
| 7.3         | Pedestals                                                                    | 1        | Item           | \$ 65,000.00  | \$ 65,000.00    |                 | 1         | \$ 65,000.00    |                        |                 |
| 7.4         | Lanterns                                                                     | 1        | Item           | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |                 |
| 7.5         | Controller                                                                   | 1        | Item           | \$ 82,500.00  | \$ 82,500.00    |                 | 1         | \$ 82,500.00    |                        |                 |
| 7.6         | Detectors                                                                    | 1        | Item           | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |                 |
| 7.7         | Cabling & connections                                                        | 1        | Item           | \$ 48,000.00  | \$ 48,000.00    |                 | 1         | \$ 48,000.00    |                        |                 |
| 7.8         | Clean-up                                                                     | 1        | Item           | \$ 11,000.00  | \$ 11,000.00    |                 | 1         | \$ 11,000.00    |                        |                 |
| 8           | POWER & LIGHTING                                                             |          |                |               |                 | \$ 145,000.00   |           |                 |                        |                 |
| 8.1         | Light pole (1-way) and luminous lights                                       | 8        | No             | \$ 8,000.00   | \$ 64,000.00    |                 | 8         | \$ 64,000.00    |                        |                 |
| 8.2         | Light pole (2-way) and luminous lights                                       |          | No             | \$ 9,000.00   | \$ -            |                 |           |                 |                        |                 |
| 8.3         | JUP lighting single                                                          | 4        | No             | \$ 4,000.00   | \$ 16,000.00    |                 | 4         | \$ 16,000.00    |                        |                 |
| 8.4         | JUP lighting dual                                                            |          | No             | \$ 5,000.00   | \$ -            |                 |           |                 |                        |                 |
| 8.5         | Cabling, conduits and pits                                                   | 1        | Item           | \$ 40,000.00  | \$ 40,000.00    |                 | 1         | \$ 40,000.00    |                        |                 |
| 8.6         | Electrical connection                                                        | 1        | Item           | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |                 |
| 9           | LANDSCAPING WORKS                                                            |          |                |               |                 | \$ 18,129.75    |           |                 |                        |                 |
| 9.1         | Topsoiling seeding                                                           | 1,604    | m <sup>2</sup> | \$ 8.50       | \$ 13,629.75    |                 | 1,604     | \$ 13,629.75    |                        |                 |
| 9.2         | Tree planting                                                                | 18       | No             | \$ 250.00     | \$ 4,500.00     |                 | 18        | \$ 4,500.00     |                        |                 |
| 10          | DELINEATION                                                                  |          |                |               |                 | \$ 40,000.00    |           |                 |                        |                 |
| 10.1        | Signing                                                                      | 1        | Item           | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |                 |
| 10.2        | Linemarking (Thermoplastic)                                                  | 1        | Item           | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 18,250.00    | 1                      | \$ 6,750.00     |
| 11          | TRANSMISSION PIPELINE                                                        |          |                |               |                 | \$ 343,935      |           |                 |                        |                 |
| 11.1        | Clay excavation for transmission pipeline                                    | 347      | m <sup>3</sup> | \$ 45         | \$ 15,594       |                 | 347       | \$ 15,594.20    |                        |                 |
| 11.2        | Hand excavation for rock around transmission pipeline (extra over allowance) | 147      | m              | \$ 1,050      | \$ 154,350      |                 | 147       | \$ 154,350.00   |                        |                 |
| 11.3        | Wrap for transmission pipeline                                               | 147      | m              | \$ 500        | \$ 73,500       |                 | 147       | \$ 73,500.00    |                        |                 |
| 11.4        | Backfill stabilisation sand for transmission pipeline                        | 347      | m <sup>3</sup> | \$ 150        | \$ 51,981       |                 | 347       | \$ 51,980.67    |                        |                 |
| 11.5        | Transmission pipeline slab protection 200mm                                  | 294      | m <sup>2</sup> | \$ 165        | \$ 48,510       |                 | 294       | \$ 48,510.00    |                        |                 |
| TOTAL A - D |                                                                              |          |                |               | \$ 3,814,518.75 | \$ 3,814,518.75 |           | \$ 2,928,978.33 |                        | \$ 885,540.42   |
| E           | Contingency                                                                  |          |                |               |                 |                 |           |                 |                        |                 |
|             | Contingency (15% of D)                                                       |          |                |               | 15%             | \$ 470,737.60   |           | \$ 355,933.13   |                        | \$ 114,804.47   |
| F           | PROJECT BUDGET                                                               |          |                |               |                 |                 |           |                 |                        |                 |
|             | Total Estimate                                                               |          |                |               |                 | \$ 4,285,256.35 |           | \$ 3,284,911.46 |                        | \$ 1,000,344.89 |

NB: Cost split of Total Estimate

DCP % 77%

Developer % 23%

Cost of southern leg works (not included in total estimate) \$ 207,655.14

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-06

PM %: 8.80%

18 October 2016  
Version 7

| ITEM        | DESCRIPTION                                                       | QUANTITY | UNIT  | RATE          | AMOUNT          | SUBTOTAL        | DCP WORKS |                 | FUTURE REDUNDANT WORKS |               |
|-------------|-------------------------------------------------------------------|----------|-------|---------------|-----------------|-----------------|-----------|-----------------|------------------------|---------------|
|             |                                                                   |          |       |               |                 |                 | QUANTITY  | AMOUNT          | QUANTITY               | AMOUNT        |
| A           | Project and Program Management                                    |          |       |               |                 | \$ 106,001.97   |           | \$ 91,143.93    |                        | \$ 14,858.04  |
|             | Project Management                                                |          | 3.00% | 2.64%         | \$ 63,601.18    |                 |           | \$ 54,686.36    |                        | \$ 8,914.82   |
|             | Program Administration                                            |          | 2.00% | 1.76%         | \$ 42,400.79    |                 |           | \$ 36,457.57    |                        | \$ 5,943.22   |
|             |                                                                   |          |       |               |                 |                 |           |                 |                        |               |
| B           | Design and Investigation                                          |          |       |               |                 | \$ 193,983.60   |           | \$ 166,793.39   |                        | \$ 27,190.21  |
|             | Traffic Investigations                                            |          |       | 0.00%         | \$ -            |                 |           |                 |                        |               |
|             | Cadastral and Engineering Survey                                  |          | 1.20% | 1.06%         | \$ 25,440.47    |                 |           | \$ 21,874.54    |                        | \$ 3,565.93   |
|             | Geotechnical Investigations Pavement Investigations and Design    |          | 1.20% | 1.06%         | \$ 25,440.47    |                 |           | \$ 21,874.54    |                        | \$ 3,565.93   |
|             | Environmental Investigations                                      |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Landscape Design                                                  |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Preliminary and Final Design                                      |          | 4.25% | 3.74%         | \$ 90,101.67    |                 |           | \$ 77,472.34    |                        | \$ 12,629.33  |
|             | Construction Management                                           |          | 2.50% | 2.20%         | \$ 53,000.98    |                 |           | \$ 45,571.96    |                        | \$ 7,429.02   |
|             |                                                                   |          |       |               |                 |                 |           |                 |                        |               |
| C           | Additional Items                                                  |          |       |               |                 | \$ 290,296.91   |           | \$ 279,322.22   |                        | \$ 10,974.69  |
| 1           | SITE ESTABLISHMENT                                                | N/A      | Item  |               |                 |                 |           |                 |                        |               |
| 2           | SERVICE RELOCATION                                                |          |       |               |                 | \$ 112,000.00   |           |                 |                        |               |
| 2.1         | Relocating Power Pole (HV)                                        | 4        | No    | \$ 7,500.00   | \$ 30,000.00    |                 | 4         | \$ 30,000.00    |                        |               |
| 2.2         | Relocating communication pole                                     | 6        | No    | \$ 3,500.00   | \$ 21,000.00    |                 |           | \$ 21,000.00    |                        |               |
| 2.3         | Relocating light pole                                             |          | No    | \$ 3,000.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 2.4         | Telecom conduiting                                                | 240      | m     | \$ 150.00     | \$ 36,000.00    |                 | 240       | \$ 36,000.00    |                        |               |
| 2.5         | Telecom cabling (re-pulling)                                      | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |               |
| 2.6         | Remove redundant telecom pole                                     |          | No    | \$ 1,500.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 3           | VicRoads                                                          |          |       |               |                 | \$ 178,296.91   |           |                 |                        |               |
| 3.1         | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item  | \$ 78,296.91  | \$ 78,296.91    |                 | 1         | \$ 67,322.22    | 1                      | \$ 10,974.69  |
| 3.2         | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item  | \$ 100,000.00 | \$ 100,000.00   |                 | 1         | \$ 100,000.00   |                        |               |
|             |                                                                   |          |       |               |                 |                 |           |                 |                        |               |
| D           | Construction                                                      |          |       |               | \$ 2,409,135.62 | \$ 2,409,135.62 |           | \$ 2,071,452.94 |                        | \$ 337,682.68 |
| 1           | PRELIMINARIES                                                     |          |       |               |                 | \$ 45,000.00    |           |                 |                        |               |
| 1.1         | Site management & supervision including QA                        | N/A      | weeks |               |                 |                 |           |                 |                        |               |
| 1.2         | Provision for traffic                                             | 1        | Item  | \$ 45,000.00  | \$ 45,000.00    |                 | 1         | \$ 38,700.00    | 1                      | \$ 6,300.00   |
| 2           | DEMOLITION                                                        |          |       |               |                 | \$ 85,000.00    |           |                 |                        |               |
| 2.1         | Trees                                                             | -        | No    | \$ 500.00     | \$ -            |                 | -         | \$ -            |                        |               |
| 2.2         | Demolition of existing Road                                       | 1        | Item  | \$ 65,000.00  | \$ 65,000.00    |                 | 1         | \$ 65,000.00    |                        |               |
| 2.3         | Demolition of existing fence                                      | 1        | Item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1         | \$ 20,000.00    |                        |               |
| 3           | EARTHWORKS                                                        |          |       |               |                 | \$ 392,756.87   |           |                 |                        |               |
| 3.1         | Stripping topsoil (150mm)                                         | 10,810   | m²    | \$ 6.00       | \$ 64,860.00    |                 | 9,881     | \$ 59,286.00    | 929                    | \$ 5,574.00   |
| 3.2         | Cutting                                                           | 1,340    | m³    | \$ 15.00      | \$ 20,106.38    |                 | 1,214     | \$ 18,216.00    | 126                    | \$ 1,890.38   |
| 3.3         | Filling and compact                                               | 525      | m³    | \$ 12.00      | \$ 6,300.00     |                 | 476       | \$ 5,707.68     | 49                     | \$ 592.32     |
| 3.4         | Cart off excess material                                          | 815      | m³    | \$ 15.00      | \$ 12,231.38    |                 | 739       | \$ 11,081.40    | 77                     | \$ 1,149.98   |
| 3.5         | Soft spot rectification (reclaimed FCR)                           | 1,411    | m³    | \$ 30.00      | \$ 42,330.60    |                 | 1,197     | \$ 35,919.60    | 214                    | \$ 6,411.00   |
| 3.6         | Rock excavation & sub-surface remediation 450mm                   | 3,528    | m²    | \$ 70.00      | \$ 246,928.50   |                 | 2,993     | \$ 209,531.00   | 534                    | \$ 37,397.50  |
| 4           | PAVEMENT                                                          |          |       |               |                 | \$ 1,145,665.50 |           |                 |                        |               |
| 4.1         | Deep lift asphalt 195 mm                                          | 6,300    | m²    | \$ 105.00     | \$ 661,500.00   |                 | 5,371     | \$ 563,955.00   | 929                    | \$ 97,545.00  |
| 4.2         | Sub-base course - 250 mm 3% CTCR                                  | 7,055    | m²    | \$ 55.00      | \$ 388,030.50   |                 | 5,987     | \$ 329,263.00   | 1,069                  | \$ 58,767.50  |
| 4.3         | Shoulder - full depth pavement                                    | 663      | m²    | \$ 145.00     | \$ 96,135.00    |                 | 156       | \$ 22,620.00    | 507                    | \$ 73,515.00  |
| 5           | DRAINAGE                                                          |          |       |               |                 | \$ 201,280.00   |           |                 |                        |               |
| 5.1         | Subsoil drains 100mm dia - screenings                             | 839      | Lm    | \$ 30.00      | \$ 25,170.00    |                 | 456       | \$ 13,680.00    | 383                    | \$ 11,490.00  |
| 5.2         | 375 RCP (class 2)                                                 | 683      | Lm    | \$ 170.00     | \$ 116,110.00   |                 | 683       | \$ 116,110.00   |                        |               |
| 5.3         | Side entry pits                                                   | 24       | No    | \$ 2,500.00   | \$ 60,000.00    |                 | 24        | \$ 60,000.00    |                        |               |
| 6           | CONCRETE WORKS                                                    |          |       |               |                 | \$ 62,740.00    |           |                 |                        |               |
| 6.1         | Kerb & channel                                                    | 839      | Lm    | \$ 50.00      | \$ 41,950.00    |                 | 456       | \$ 22,800.00    | 383                    | \$ 19,150.00  |
| 6.2         | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 88       | Lm    | \$ 130.00     | \$ 11,440.00    |                 | 53        | \$ 6,890.00     | 35                     | \$ 4,550.00   |
| 6.3         | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | -        | Lm    | \$ 65.00      | \$ -            |                 |           |                 |                        |               |
| 6.4         | Laybacks and tactile pavers                                       | 8        | No    | \$ 850.00     | \$ 6,800.00     |                 | 8         | \$ 6,800.00     |                        |               |
| 6.5         | 10m concrete maintenance area end of all islands                  | 30       | m²    | \$ 85.00      | \$ 2,550.00     |                 |           |                 | 30                     | \$ 2,550.00   |
| 7           | TRAFFIC SIGNAL WORKS                                              |          |       |               |                 | \$ 302,000.00   |           |                 |                        |               |
| 7.1         | General items                                                     | 1        | Item  | \$ 27,500.00  | \$ 27,500.00    |                 | 1         | \$ 27,500.00    |                        |               |
| 7.2         | Conduits                                                          | 1        | Item  | \$ 28,000.00  | \$ 28,000.00    |                 | 1         | \$ 28,000.00    |                        |               |
| 7.3         | Pedestals                                                         | 1        | Item  | \$ 65,000.00  | \$ 65,000.00    |                 | 1         | \$ 65,000.00    |                        |               |
| 7.4         | Lanterns                                                          | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |               |
| 7.5         | Controller                                                        | 1        | Item  | \$ 82,500.00  | \$ 82,500.00    |                 | 1         | \$ 82,500.00    |                        |               |
| 7.6         | Detectors                                                         | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |               |
| 7.7         | Cabling & connections                                             | 1        | Item  | \$ 48,000.00  | \$ 48,000.00    |                 | 1         | \$ 48,000.00    |                        |               |
| 7.8         | Clean-up                                                          | 1        | Item  | \$ 11,000.00  | \$ 11,000.00    |                 | 1         | \$ 11,000.00    |                        |               |
| 8           | POWER & LIGHTING                                                  |          |       |               |                 | \$ 127,000.00   |           |                 |                        |               |
| 8.1         | Light pole (1-way) and luminous lights                            | 7        | No    | \$ 8,000.00   | \$ 56,000.00    |                 | 6         | \$ 48,000.00    | 1                      | \$ 8,000.00   |
| 8.2         | Light pole (2-way) and luminous lights                            |          | No    | \$ 9,000.00   | \$ -            |                 |           |                 |                        |               |
| 8.3         | JUP lighting single                                               | 4        | No    | \$ 4,000.00   | \$ 16,000.00    |                 | 4         | \$ 16,000.00    |                        |               |
| 8.4         | JUP lighting dual                                                 |          | No    | \$ 5,000.00   | \$ -            |                 |           |                 |                        |               |
| 8.5         | Cabling, conduits and pits                                        | 1        | Item  | \$ 35,000.00  | \$ 35,000.00    |                 | 1         | \$ 35,000.00    |                        |               |
| 8.6         | Electrical connection                                             | 1        | Item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1         | \$ 20,000.00    |                        |               |
| 9           | LANDSCAPING WORKS                                                 |          |       |               |                 | \$ 15,693.25    |           |                 |                        |               |
| 9.1         | Topsoiling seeding                                                | 1,435    | m²    | \$ 8.50       | \$ 12,193.25    |                 | 1,435     | \$ 12,193.25    |                        |               |
| 9.2         | Tree planting                                                     | 14       | No    | \$ 250.00     | \$ 3,500.00     |                 | 14        | \$ 3,500.00     |                        |               |
| 10          | DELINEATION                                                       |          |       |               |                 | \$ 32,000.00    |           |                 |                        |               |
| 10.1        | Signing                                                           | 1        | Item  | \$ 12,000.00  | \$ 12,000.00    |                 | 1         | \$ 12,000.00    |                        |               |
| 10.2        | Linemarking (Thermoplastic)                                       | 1        | Item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1         | \$ 17,200.00    | 1                      | \$ 2,800.00   |
| TOTAL A - D |                                                                   |          |       |               |                 |                 |           | \$ 2,608,712.48 |                        | \$ 390,705.61 |
|             |                                                                   |          |       |               |                 |                 |           |                 |                        |               |
| E           | Contingency                                                       |          |       |               |                 |                 |           |                 |                        |               |
|             | Contingency (15% of D)                                            |          |       |               | 15%             | \$ 361,370.34   |           | \$ 310,717.94   |                        | \$ 50,652.40  |
|             |                                                                   |          |       |               |                 |                 |           |                 |                        |               |
| F           | PROJECT BUDGET                                                    |          |       |               |                 |                 |           |                 |                        |               |
|             | Total Estimate                                                    |          |       |               |                 | \$ 3,360,788.43 |           | \$ 2,919,430.42 |                        | \$ 441,358.01 |

NB: Cost split of Total Estimate

|                                                             |               |
|-------------------------------------------------------------|---------------|
| DCP %                                                       | 87%           |
| Developer %                                                 | 13%           |
| Cost of southern leg works (not included in total estimate) | \$ 443,238.99 |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-07

18 October 2016  
Version 7

PM %: 8.80%

| ITEM        | DESCRIPTION                                                      | QUANTITY | UNIT  | RATE          | AMOUNT          | SUBTOTAL        | DCP WORKS |                 | FUTURE REDUNDANT WORKS |               |
|-------------|------------------------------------------------------------------|----------|-------|---------------|-----------------|-----------------|-----------|-----------------|------------------------|---------------|
|             |                                                                  |          |       |               |                 |                 | QUANTITY  | AMOUNT          | QUANTITY               | AMOUNT        |
| A           | Project and Program Management                                   |          |       |               |                 | \$ 136,337.17   |           | \$ 117,888.41   |                        | \$ 18,448.76  |
|             | Project Management                                               |          | 3.00% | 2.64%         | \$ 81,802.30    |                 |           | \$ 70,733.05    |                        | \$ 11,069.25  |
|             | Program Administration                                           |          | 2.00% | 1.76%         | \$ 54,534.87    |                 |           | \$ 47,155.36    |                        | \$ 7,379.50   |
| B           | Design and Investigation                                         |          |       |               |                 | \$ 249,497.01   |           | \$ 215,735.79   |                        | \$ 33,761.22  |
|             | Traffic Investigations                                           |          |       | 0.00%         | \$ -            |                 |           |                 |                        |               |
|             | Cadastral and Engineering Survey                                 |          | 1.20% | 1.06%         | \$ 32,720.92    |                 |           | \$ 28,293.22    |                        | \$ 4,427.70   |
|             | Geotechnical investigations Pavement Investigations and Design   |          | 1.20% | 1.06%         | \$ 32,720.92    |                 |           | \$ 28,293.22    |                        | \$ 4,427.70   |
|             | Environmental Investigations                                     |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Landscape Design                                                 |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Preliminary and Final Design                                     |          | 4.25% | 3.74%         | \$ 115,886.59   |                 |           | \$ 100,205.15   |                        | \$ 15,681.44  |
|             | Construction Management                                          |          | 2.50% | 2.20%         | \$ 68,168.58    |                 |           | \$ 58,944.21    |                        | \$ 9,224.38   |
| C           | Additional Items                                                 |          |       |               |                 | \$ 268,203.59   |           | \$ 254,576.67   |                        | \$ 13,626.92  |
| 1           | SITE ESTABLISHMENT                                               | N/A      | Item  |               |                 |                 |           |                 |                        |               |
| 2           | SERVICE RELOCATION                                               |          |       |               |                 | \$ 67,500.00    |           |                 |                        |               |
| 2.1         | Relocating Power Pole (HV)                                       | 9        | No    | \$ 7,500.00   | \$ 67,500.00    |                 | 9         | \$ 67,500.00    |                        |               |
| 2.2         | Relocating communication pole                                    |          | No    | \$ 3,500.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 2.3         | Relocating light pole                                            |          | No    | \$ 3,000.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 2.4         | Telecom conduiting                                               |          | m     | \$ 150.00     | \$ -            |                 | -         | \$ -            |                        |               |
| 2.5         | Telecom cabling (re-pulling)                                     |          | Item  | \$ 25,000.00  | \$ -            |                 | -         | \$ -            |                        |               |
| 2.6         | Remove redundant telecom pole                                    |          | No    | \$ 1,500.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 3           | VicRoads                                                         |          |       |               |                 | \$ 200,703.59   |           |                 |                        |               |
| 3.1         | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item  | \$ 100,703.59 | \$ 100,703.59   |                 | 1         | \$ 87,076.67    | 1                      | \$ 13,626.92  |
| 3.2         | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                  | 1        | Item  | \$ 100,000.00 | \$ 100,000.00   |                 | 1         | \$ 100,000.00   |                        |               |
| D           | Construction                                                     |          |       |               | \$ 3,098,571.96 | \$ 3,098,571.96 |           | \$ 2,679,282.07 |                        | \$ 419,289.90 |
| 1           | PRELIMINARIES                                                    | N/A      | weeks |               |                 | \$ 40,000.00    |           |                 |                        |               |
| 1.1         | Site management & supervision including QA                       |          |       |               |                 |                 |           |                 |                        |               |
| 1.2         | Provision for traffic                                            | 1        | Item  | \$ 40,000.00  | \$ 40,000.00    |                 | 1         | \$ 34,400.00    | 1                      | \$ 5,600.00   |
| 2           | DEMOLITION                                                       |          |       |               |                 | \$ 155,000.00   |           |                 |                        |               |
| 2.1         | Trees                                                            | 30       | No    | \$ 500.00     | \$ 15,000.00    |                 | 30        | \$ 15,000.00    |                        |               |
| 2.2         | Demolition of existing Road                                      | 1        | Item  | \$ 70,000.00  | \$ 70,000.00    |                 | 1         | \$ 70,000.00    |                        |               |
| 2.3         | Demolition of existing fence                                     | 1        | Item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1         | \$ 20,000.00    |                        |               |
| 2.4         | Demolition of existing building                                  | 1        | Item  | \$ 50,000.00  | \$ 50,000.00    |                 | 1         | \$ 50,000.00    |                        |               |
| 3           | EARTHWORKS                                                       |          |       |               |                 | \$ 515,115.21   |           |                 |                        |               |
| 3.1         | Stripping topsoil (150mm)                                        | 13,000   | m²    | \$ 6.00       | \$ 78,000.00    |                 | 11,778    | \$ 70,668.00    | 1,222                  | \$ 7,332.00   |
| 3.2         | Cutting                                                          | 2,263    | m³    | \$ 15.00      | \$ 33,942.86    |                 | 2,028     | \$ 30,421.19    | 235                    | \$ 3,521.67   |
| 3.3         | Filling and compact                                              | 1,584    | m³    | \$ 12.00      | \$ 19,008.00    |                 | 1,420     | \$ 17,035.87    | 164                    | \$ 1,972.13   |
| 3.4         | Cart off excess material                                         | 679      | m³    | \$ 15.00      | \$ 10,182.86    |                 | 608       | \$ 9,126.36     | 70                     | \$ 1,056.50   |
| 3.5         | Soft spot rectification (reclaimed FCR)                          | 1,824    | m³    | \$ 30.00      | \$ 54,729.00    |                 | 1,548     | \$ 46,430.40    | 277                    | \$ 8,298.60   |
| 3.6         | Rock excavation & sub-surface remediation 450mm                  | 4,561    | m²    | \$ 70.00      | \$ 319,252.50   |                 | 3,869     | \$ 270,844.00   | 692                    | \$ 48,408.50  |
| 4           | PAVEMENT                                                         |          |       |               |                 | \$ 1,442,902.50 |           |                 |                        |               |
| 4.1         | Deep lift asphalt 195 mm                                         | 7,920    | m²    | \$ 105.00     | \$ 831,600.00   |                 | 6,698     | \$ 703,290.00   | 1,222                  | \$ 128,310.00 |
| 4.2         | Sub-base course - 250 mm 3% CTCR                                 | 9,122    | m²    | \$ 55.00      | \$ 501,682.50   |                 | 7,738     | \$ 425,612.00   | 1,383                  | \$ 76,070.50  |
| 4.3         | Shoulder - full depth pavement                                   | 756      | m²    | \$ 145.00     | \$ 109,620.00   |                 | 132       | \$ 19,140.00    | 624                    | \$ 90,480.00  |
| 5           | DRAINAGE                                                         |          |       |               |                 | \$ 249,380.00   |           |                 |                        |               |
| 5.1         | Subsoil drains 100mm dia - screenings                            | 1,335    | Lm    | \$ 30.00      | \$ 40,050.00    |                 | 1,032     | \$ 30,960.00    | 303                    | \$ 9,090.00   |
| 5.2         | 375 RCP (class 2)                                                | 849      | Lm    | \$ 170.00     | \$ 144,330.00   |                 | 849       | \$ 144,330.00   |                        |               |
| 5.3         | Side entry pits                                                  | 26       | No    | \$ 2,500.00   | \$ 65,000.00    |                 | 26        | \$ 65,000.00    |                        |               |
| 6           | CONCRETE WORKS                                                   |          |       |               |                 | \$ 164,190.00   |           |                 |                        |               |
| 6.1         | Kerb & channel                                                   | 1,335    | Lm    | \$ 50.00      | \$ 66,750.00    |                 | 1,032     | \$ 51,600.00    | 303                    | \$ 15,150.00  |
| 6.2         | Shared Pathway (3.0m wide,125 mm, residential, as per MPA)       | 439      | Lm    | \$ 130.00     | \$ 57,070.00    |                 | 424       | \$ 55,120.00    | 15                     | \$ 1,950.00   |
| 6.3         | Pedestrian Footpaths (1.5m wide,125 mm, residential, as per MPA) | 370      | Lm    | \$ 65.00      | \$ 24,050.00    |                 | 370       | \$ 24,050.00    |                        |               |
| 6.4         | Laybacks and tactile pavers                                      | 10       | No    | \$ 850.00     | \$ 8,500.00     |                 | 10        | \$ 8,500.00     |                        |               |
| 6.5         | 10m concrete maintenance area end of all islands                 | 92       | m²    | \$ 85.00      | \$ 7,820.00     |                 | 62        | \$ 5,270.00     | 30                     | \$ 2,550.00   |
| 7           | TRAFFIC SIGNAL WORKS                                             |          |       |               |                 | \$ 302,000.00   |           |                 |                        |               |
| 7.1         | General items                                                    | 1        | Item  | \$ 27,500.00  | \$ 27,500.00    |                 | 1         | \$ 27,500.00    |                        |               |
| 7.2         | Conduits                                                         | 1        | Item  | \$ 28,000.00  | \$ 28,000.00    |                 | 1         | \$ 28,000.00    |                        |               |
| 7.3         | Pedestals                                                        | 1        | Item  | \$ 65,000.00  | \$ 65,000.00    |                 | 1         | \$ 65,000.00    |                        |               |
| 7.4         | Lanterns                                                         | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |               |
| 7.5         | Controller                                                       | 1        | Item  | \$ 82,500.00  | \$ 82,500.00    |                 | 1         | \$ 82,500.00    |                        |               |
| 7.6         | Detectors                                                        | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |               |
| 7.7         | Cabling & connections                                            | 1        | Item  | \$ 48,000.00  | \$ 48,000.00    |                 | 1         | \$ 48,000.00    |                        |               |
| 7.8         | Clean-up                                                         | 1        | Item  | \$ 11,000.00  | \$ 11,000.00    |                 | 1         | \$ 11,000.00    |                        |               |
| 8           | POWER & LIGHTING                                                 |          |       |               |                 | \$ 161,000.00   |           |                 |                        |               |
| 8.1         | Light pole (1-way) and luminous lights                           | 8        | No    | \$ 8,000.00   | \$ 64,000.00    |                 | 6         | \$ 48,000.00    | 2                      | \$ 16,000.00  |
| 8.2         | Light pole (2-way) and luminous lights                           | 2        | No    | \$ 9,000.00   | \$ 18,000.00    |                 | 2         | \$ 18,000.00    |                        |               |
| 8.3         | JUP lighting single                                              | 6        | No    | \$ 4,000.00   | \$ 24,000.00    |                 | 6         | \$ 24,000.00    |                        |               |
| 8.4         | JUP lighting dual                                                |          | No    | \$ 5,000.00   | \$ -            |                 |           |                 |                        |               |
| 8.5         | Cabling, conduits and pits                                       | 1        | Item  | \$ 35,000.00  | \$ 35,000.00    |                 | 1         | \$ 35,000.00    |                        |               |
| 8.6         | Electrical connection                                            | 1        | Item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1         | \$ 20,000.00    |                        |               |
| 9           | LANDSCAPING WORKS                                                |          |       |               |                 | \$ 28,984.25    |           |                 |                        |               |
| 9.1         | Topsoiling seeding                                               | 2,881    | m²    | \$ 8.50       | \$ 24,484.25    |                 | 2,881     | \$ 24,484.25    |                        |               |
| 9.2         | Tree planting                                                    | 18       | No    | \$ 250.00     | \$ 4,500.00     |                 | 18        | \$ 4,500.00     |                        |               |
| 10          | DELINEATION                                                      |          |       |               |                 | \$ 40,000.00    |           |                 |                        |               |
| 10.1        | Signing                                                          | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |               |
| 10.2        | Linemarking (Thermoplastic)                                      | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 21,500.00    | 1                      | \$ 3,500.00   |
| TOTAL A - D |                                                                  |          |       |               | \$ 3,752,609.73 | \$ 3,752,609.73 |           | \$ 3,267,482.94 |                        | \$ 485,126.80 |
| E           | Contingency                                                      |          |       |               |                 |                 |           |                 |                        |               |
|             | Contingency (15% of D)                                           |          |       |               | 15%             | \$ 464,785.79   |           | \$ 401,892.31   |                        | \$ 62,893.48  |
| F           | PROJECT BUDGET                                                   |          |       |               |                 |                 |           |                 |                        |               |
|             | Total Estimate                                                   |          |       |               |                 | \$ 4,217,395.53 |           | \$ 3,669,375.25 |                        | \$ 548,020.28 |

NB: Cost split of Total Estimate

|             |     |
|-------------|-----|
| DCP %       | 87% |
| Developer % | 13% |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-08

18 October 2016  
Version 7

PM %: 8.80%

| ITEM        | DESCRIPTION                                                      | QUANTITY | UNIT  | RATE          | AMOUNT          | SUBTOTAL        | DCP WORKS |                 | FUTURE REDUNDANT WORKS |               |
|-------------|------------------------------------------------------------------|----------|-------|---------------|-----------------|-----------------|-----------|-----------------|------------------------|---------------|
|             |                                                                  |          |       |               |                 |                 | QUANTITY  | AMOUNT          | QUANTITY               | AMOUNT        |
| A           | Project and Program Management                                   |          |       |               |                 | \$ 138,887.33   |           | \$ 120,194.28   |                        | \$ 18,693.05  |
|             | Project Management                                               |          | 3.00% | 2.64%         | \$ 83,332.40    |                 |           | \$ 72,116.57    |                        | \$ 11,215.83  |
|             | Program Administration                                           |          | 2.00% | 1.76%         | \$ 55,554.93    |                 |           | \$ 48,077.71    |                        | \$ 7,477.22   |
| B           | Design and Investigation                                         |          |       |               |                 | \$ 254,163.81   |           | \$ 219,955.53   |                        | \$ 34,208.28  |
|             | Traffic Investigations                                           |          |       | 0.00%         | \$ -            |                 |           |                 |                        |               |
|             | Cadastral and Engineering Survey                                 |          | 1.20% | 1.06%         | \$ 33,332.96    |                 |           | \$ 28,846.63    |                        | \$ 4,486.33   |
|             | Geotechnical investigations Pavement Investigations and Design   |          | 1.20% | 1.06%         | \$ 33,332.96    |                 |           | \$ 28,846.63    |                        | \$ 4,486.33   |
|             | Environmental Investigations                                     |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Landscape Design                                                 |          |       | 0.00%         | \$ -            |                 |           | \$ -            |                        | \$ -          |
|             | Preliminary and Final Design                                     |          | 4.25% | 3.74%         | \$ 118,054.23   |                 |           | \$ 102,165.13   |                        | \$ 15,889.09  |
|             | Construction Management                                          |          | 2.50% | 2.20%         | \$ 69,443.66    |                 |           | \$ 60,097.14    |                        | \$ 9,346.53   |
| C           | Additional Items                                                 |          |       |               |                 | \$ 277,587.23   |           | \$ 263,779.86   |                        | \$ 13,807.37  |
| 1           | SITE ESTABLISHMENT                                               | N/A      | Item  |               |                 |                 |           |                 |                        |               |
| 2           | SERVICE RELOCATION                                               |          |       |               |                 | \$ 75,000.00    |           |                 |                        |               |
| 2.1         | Relocating Power Pole (HV)                                       | 10       | No    | \$ 7,500.00   | \$ 75,000.00    |                 | 10        | \$ 75,000.00    |                        |               |
| 2.2         | Relocating communication pole                                    |          | No    | \$ 3,500.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 2.3         | Relocating light pole                                            |          | No    | \$ 3,000.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 2.4         | Telecom conduiting                                               |          | m     | \$ 150.00     | \$ -            |                 | -         | \$ -            |                        |               |
| 2.5         | Telecom cabling (re-pulling)                                     |          | Item  | \$ 25,000.00  | \$ -            |                 | -         | \$ -            |                        |               |
| 2.6         | Remove redundant telecom pole                                    |          | No    | \$ 1,500.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 3           | VicRoads                                                         |          |       |               |                 | \$ 202,587.23   |           |                 |                        |               |
| 3.1         | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item  | \$102,587.23  | \$ 102,587.23   |                 | 1         | \$ 88,779.86    | 1                      | \$ 13,807.37  |
| 3.2         | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                  | 1        | Item  | \$ 100,000.00 | \$ 100,000.00   |                 | 1         | \$ 100,000.00   |                        |               |
| D           | Construction                                                     |          |       |               | \$ 3,156,530.18 | \$ 3,156,530.18 |           | \$ 2,731,688.09 |                        | \$ 424,842.09 |
| 1           | PRELIMINARIES                                                    | N/A      | weeks |               |                 | \$ 40,000.00    |           |                 |                        |               |
| 1.1         | Site management & supervision including QA                       |          |       |               |                 |                 |           |                 |                        |               |
| 1.2         | Provision for traffic                                            | 1        | Item  | \$ 40,000.00  | \$ 40,000.00    |                 | 1         | \$ 34,800.00    | 1                      | \$ 5,200.00   |
| 2           | DEMOLITION                                                       |          |       |               |                 | \$ 286,780.00   |           |                 |                        |               |
| 2.1         | Trees                                                            | 80       | No    | \$ 500.00     | \$ 40,000.00    |                 | 80        | \$ 40,000.00    |                        |               |
| 2.2         | Demolition of existing Road                                      | 1        | Item  | \$ 66,780.00  | \$ 66,780.00    |                 | 1         | \$ 66,780.00    |                        |               |
| 2.3         | Demolition of existing fence                                     | 1        | Item  | \$ 30,000.00  | \$ 30,000.00    |                 | 1         | \$ 30,000.00    |                        |               |
| 2.4         | Demolition of existing building                                  | 1        | Item  | \$ 150,000.00 | \$ 150,000.00   |                 | 1         | \$ 150,000.00   |                        |               |
| 3           | EARTHWORKS                                                       |          |       |               |                 | \$ 498,017.93   |           |                 |                        |               |
| 3.1         | Stripping topsoil (150mm)                                        | 12,230   | m²    | \$ 6.00       | \$ 73,380.00    |                 | 10,877    | \$ 65,262.00    | 1,353                  | \$ 8,118.00   |
| 3.2         | Cutting                                                          | 2,208    | m³    | \$ 15.00      | \$ 33,115.71    |                 | 1,933     | \$ 28,996.42    | 275                    | \$ 4,119.29   |
| 3.3         | Filling and compact                                              | 1,545    | m³    | \$ 12.00      | \$ 18,544.80    |                 | 1,353     | \$ 16,238.00    | 192                    | \$ 2,306.80   |
| 3.4         | Cart off excess material                                         | 662      | m³    | \$ 15.00      | \$ 9,934.71     |                 | 580       | \$ 8,698.93     | 82                     | \$ 1,235.79   |
| 3.5         | Soft spot rectification (reclaimed FCR)                          | 1,771    | m³    | \$ 30.00      | \$ 53,128.20    |                 | 1,468     | \$ 44,049.00    | 303                    | \$ 9,079.20   |
| 3.6         | Rock excavation & sub-surface remediation 450mm                  | 4,427    | m²    | \$ 70.00      | \$ 309,914.50   |                 | 3,671     | \$ 256,952.50   | 757                    | \$ 52,962.00  |
| 4           | PAVEMENT                                                         |          |       |               |                 | \$ 1,409,268.50 |           |                 |                        |               |
| 4.1         | Deep lift asphalt 195 mm                                         | 7,727    | m²    | \$ 105.00     | \$ 811,335.00   |                 | 6,374     | \$ 669,270.00   | 1,353                  | \$ 142,065.00 |
| 4.2         | Sub-base course - 250 mm 3% CTCR                                 | 8,855    | m²    | \$ 55.00      | \$ 487,008.50   |                 | 7,342     | \$ 403,782.50   | 1,513                  | \$ 83,226.00  |
| 4.3         | Shoulder - full depth pavement                                   | 765      | m²    | \$ 145.00     | \$ 110,925.00   |                 | 273       | \$ 39,585.00    | 492                    | \$ 71,340.00  |
| 5           | DRAINAGE                                                         |          |       |               |                 | \$ 251,070.00   |           |                 |                        |               |
| 5.1         | Subsoil drains 100mm dia - screenings                            | 1,253    | Lm    | \$ 30.00      | \$ 37,590.00    |                 | 985       | \$ 29,550.00    |                        |               |
| 5.2         | 375 RCP (class 2)                                                | 844      | Lm    | \$ 170.00     | \$ 143,480.00   |                 | 844       | \$ 143,480.00   | 268                    | \$ 8,040.00   |
| 5.3         | Side entry pits                                                  | 28       | No    | \$ 2,500.00   | \$ 70,000.00    |                 | 28        | \$ 70,000.00    |                        |               |
| 6           | CONCRETE WORKS                                                   |          |       |               |                 | \$ 139,315.00   |           |                 |                        |               |
| 6.1         | Kerb & channel                                                   | 1,253    | Lm    | \$ 50.00      | \$ 62,650.00    |                 | 985       | \$ 49,250.00    |                        |               |
| 6.2         | Shared Pathway (3.0m wide,125 mm, residential, as per MPA)       | 359      | Lm    | \$ 130.00     | \$ 46,670.00    |                 | 344       | \$ 44,720.00    | 15                     | \$ 1,950.00   |
| 6.3         | Pedestrian Footpaths (1.5m wide,125 mm, residential, as per MPA) | 264      | Lm    | \$ 65.00      | \$ 17,160.00    |                 | 264       | \$ 17,160.00    |                        |               |
| 6.4         | Laybacks and tactile pavers                                      | 8        | No    | \$ 850.00     | \$ 6,800.00     |                 | 8         | \$ 6,800.00     |                        |               |
| 6.5         | 10m concrete maintenance area end of all islands                 | 71       | m²    | \$ 85.00      | \$ 6,035.00     |                 | 41        | \$ 3,485.00     | 30                     | \$ 2,550.00   |
| 7           | TRAFFIC SIGNAL WORKS                                             |          |       |               |                 | \$ 302,000.00   |           |                 |                        |               |
| 7.1         | General items                                                    | 1        | Item  | \$ 27,500.00  | \$ 27,500.00    |                 | 1         | \$ 27,500.00    |                        |               |
| 7.2         | Conduits                                                         | 1        | Item  | \$ 28,000.00  | \$ 28,000.00    |                 | 1         | \$ 28,000.00    |                        |               |
| 7.3         | Pedestals                                                        | 1        | Item  | \$ 65,000.00  | \$ 65,000.00    |                 | 1         | \$ 65,000.00    |                        |               |
| 7.4         | Lanterns                                                         | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 25,000.00    |                        |               |
| 7.5         | Controller                                                       | 1        | Item  | \$ 82,500.00  | \$ 82,500.00    |                 | 1         | \$ 82,500.00    |                        |               |
| 7.6         | Detectors                                                        | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |               |
| 7.7         | Cabling & connections                                            | 1        | Item  | \$ 48,000.00  | \$ 48,000.00    |                 | 1         | \$ 48,000.00    |                        |               |
| 7.8         | Clean-up                                                         | 1        | Item  | \$ 11,000.00  | \$ 11,000.00    |                 | 1         | \$ 11,000.00    |                        |               |
| 8           | POWER & LIGHTING                                                 |          |       |               |                 | \$ 163,000.00   |           |                 |                        |               |
| 8.1         | Light pole (1-way) and luminous lights                           | 11       | No    | \$ 8,000.00   | \$ 88,000.00    |                 | 9         | \$ 72,000.00    | 2                      | \$ 16,000.00  |
| 8.2         | Light pole (2-way) and luminous lights                           |          | No    | \$ 9,000.00   | \$ -            |                 | -         | \$ -            |                        |               |
| 8.3         | JUP lighting single                                              | 5        | No    | \$ 4,000.00   | \$ 20,000.00    |                 | 5         | \$ 20,000.00    |                        |               |
| 8.4         | JUP lighting dual                                                |          | No    | \$ 5,000.00   | \$ -            |                 |           |                 |                        |               |
| 8.5         | Cabling, conduits and pits                                       | 1        | Item  | \$ 35,000.00  | \$ 35,000.00    |                 | 1         | \$ 35,000.00    |                        |               |
| 8.6         | Electrical connection                                            | 1        | Item  | \$ 20,000.00  | \$ 20,000.00    |                 | 1         | \$ 20,000.00    |                        |               |
| 9           | LANDSCAPING WORKS                                                |          |       |               |                 | \$ 27,078.75    |           |                 |                        |               |
| 9.1         | Topsoiling seeding                                               | 2,598    | m²    | \$ 8.50       | \$ 22,078.75    |                 | 2,598     | \$ 22,078.75    |                        |               |
| 9.2         | Tree planting                                                    | 20       | No    | \$ 250.00     | \$ 5,000.00     |                 | 20        | \$ 5,000.00     |                        |               |
| 10          | DELINEATION                                                      |          |       |               |                 | \$ 40,000.00    |           |                 |                        |               |
| 10.1        | Signing                                                          | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                 | 1         | \$ 15,000.00    |                        |               |
| 10.2        | Linemarking (Thermoplastic)                                      | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                 | 1         | \$ 21,750.00    | 1                      | \$ 3,250.00   |
| TOTAL A - D |                                                                  |          |       |               | \$ 3,827,168.55 | \$ 3,827,168.55 |           | \$ 3,335,617.76 |                        | \$ 491,550.79 |
| E           | Contingency                                                      |          |       |               |                 |                 |           |                 |                        |               |
|             | Contingency (15% of D)                                           |          |       |               | 15%             | \$ 473,479.53   |           | \$ 409,753.21   |                        | \$ 63,726.31  |
| F           | PROJECT BUDGET                                                   |          |       |               |                 |                 |           |                 |                        |               |
|             | Total Estimate                                                   |          |       |               |                 | \$ 4,300,648.07 |           | \$ 3,745,370.97 |                        | \$ 555,277.10 |

NB: Cost split of Total Estimate

|             |     |
|-------------|-----|
| DCP %       | 87% |
| Developer % | 13% |

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

26 October 2016

Version 6

**Interim Intersection (Addition to Pre-interim) Project Cost**

| ITEM | DESCRIPTION                    | IN-2                   | IN-4                   | IN-5                   | IN-6                   | IN-7                   | IN-8                   | TOTAL                   |
|------|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| A    | Project and Program Management | \$ 75,267.66           | \$ 82,869.88           | \$ 155,931.45          | \$ 77,124.65           | \$ 77,406.51           | \$ 91,023.43           | \$ 559,623.58           |
| B    | Design and Investigation       | \$ -                   | \$ -                   | \$ -                   | \$ -                   | \$ -                   | \$ -                   | \$ -                    |
| C    | Additional Items               | \$ 137,361.14          | \$ 131,395.87          | \$ 265,274.05          | \$ 138,287.89          | \$ 138,656.23          | \$ 156,451.07          | \$ 967,426.26           |
| D    | Construction                   | \$ 1,710,628.60        | \$ 1,883,406.45        | \$ 3,543,896.60        | \$ 1,752,832.90        | \$ 1,759,238.80        | \$ 2,068,714.30        | \$ 12,718,717.65        |
|      | <b>TOTAL A - D</b>             | <b>\$ 1,923,257.40</b> | <b>\$ 2,097,672.20</b> | <b>\$ 3,965,102.10</b> | <b>\$ 1,968,245.44</b> | <b>\$ 1,975,301.54</b> | <b>\$ 2,316,188.80</b> | <b>\$ 14,245,767.49</b> |
| E    | CONTINGENCY                    |                        |                        |                        |                        |                        |                        |                         |
|      | Contingency (15% of D)         | \$ 256,594.29          | \$ 282,510.97          | \$ 531,584.49          | \$ 262,924.94          | \$ 263,885.82          | \$ 310,307.15          | \$ 1,907,807.65         |
| F    | PROJECT BUDGET                 |                        |                        |                        |                        |                        |                        |                         |
|      | Total Estimate                 | \$ 2,179,851.69        | \$ 2,380,183.17        | \$ 4,496,686.59        | \$ 2,231,170.37        | \$ 2,239,187.36        | \$ 2,626,495.95        | \$ 16,153,575.14        |

**Notes:**

- 1 Cost does not include southern leg of intersection IN-2, IN-4, IN-6
- 1 Design cost - Not included in interim
- 2 Site establishment - Taken as 2.5% of construction cost
- 3 Soft spot rectification - Taken as 20% of sub-base pavement
- 4 Rock excavation - Assume 50% of sub-base pavement
- 5 Pavement - Assume deep lift asphalt pavement
- 6 Subsoil drains - Assume same as kerb and channel
- 7 Drainage - Assume 375 DIA RCP
- 8 Side entry pits - Based on 50m intervals
- 9 Light pole - Based on 70m intervals
- 10 Existing road - Existing asphalt roads to be demolished as part of intersection works
- 11 Substation - No allowance for substations
- 12 Tree planting - Based on 80m intervals

AUTHOR: J.Ly

Date: 26/10/2016

REVIEWER: R.Henry

Date: 26/10/2016

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-02

26 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                      | QUANTITY | UNIT           | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|------------------------------------------------------------------|----------|----------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                            |          |                |                     |                        | <b>\$ 75,267.66</b>    |
|                    | Project Management                                               |          | 3.00%          | 2.64%               | \$ 45,160.60           |                        |
|                    | Program Administration                                           |          | 2.00%          | 1.76%               | \$ 30,107.06           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                  |          |                |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                         |          | N/A            | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                          |          |                |                     |                        | <b>\$ 137,361.14</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                        | <b>1</b> | <b>Item</b>    | <b>\$ 42,765.72</b> | <b>\$ 42,765.72</b>    | <b>\$ 42,765.72</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                        |          |                |                     |                        | <b>\$ 39,000.00</b>    |
| 2.1                | Telecom conduiting                                               | 260      | m              | \$ 150.00           | \$ 39,000.00           |                        |
| <b>3</b>           | <b>VicRoads</b>                                                  |          |                |                     |                        | <b>\$ 55,595.43</b>    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item           | \$ 55,595.43        | \$ 55,595.43           |                        |
| <b>D</b>           | <b>Construction</b>                                              |          |                |                     | <b>\$ 1,710,628.60</b> | <b>\$ 1,710,628.60</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                             |          |                |                     |                        | <b>\$ 114,000.00</b>   |
| 1.1                | Site management & supervision including QA                       | 12       | weeks          | \$ 2,500.00         | \$ 30,000.00           |                        |
| 1.2                | Provision for traffic                                            | 1        | Item           | \$ 84,000.00        | \$ 84,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                |          |                |                     |                        | <b>\$ 180,815.00</b>   |
| 2.1                | Trees                                                            | 1        | No             | \$ 500.00           | \$ 500.00              |                        |
| 2.2                | Demolition of existing Road (plane off 195mm of asphalt)         | 2,365    | m <sup>2</sup> | \$ 55.00            | \$ 130,075.00          |                        |
| 2.3                | Breakout of existing kerb & channel                              | 315      | Lm             | \$ 45.00            | \$ 14,175.00           |                        |
| 2.4                | Demolition of existing shared pathway (3.0m wide)                | 35       | Lm             | \$ 55.00            | \$ 1,925.00            |                        |
| 2.5                | Demolition of existing pedestrian footpath (1.5m wide)           | -        | Lm             | \$ 55.00            | \$ -                   |                        |
| 2.6                | Sawcutting of existing pavement to match new pavement            | 457      | Lm             | \$ 20.00            | \$ 9,140.00            |                        |
| 2.7                | Remove part of signals                                           | 1        | Item           | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                |          |                |                     |                        | <b>\$ 248,982.60</b>   |
| 3.1                | Stripping topsoil (150mm)                                        | 9,910    | m <sup>2</sup> | \$ 6.00             | \$ 59,460.00           |                        |
| 3.2                | Cutting                                                          | 1,100    | m <sup>3</sup> | \$ 15.00            | \$ 16,500.00           |                        |
| 3.3                | Filling and compact                                              | 847      | m <sup>3</sup> | \$ 12.00            | \$ 10,164.00           |                        |
| 3.4                | Cart off excess material                                         | 253      | m <sup>3</sup> | \$ 15.00            | \$ 3,795.00            |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                          | 776      | m <sup>3</sup> | \$ 30.00            | \$ 23,277.60           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                  | 1,940    | m <sup>2</sup> | \$ 70.00            | \$ 135,786.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                  |          |                |                     |                        | <b>\$ 642,828.00</b>   |
| 4.1                | Deep lift asphalt 195 mm                                         | 3,336    | m <sup>2</sup> | \$ 105.00           | \$ 350,280.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                 | 3,880    | m <sup>2</sup> | \$ 55.00            | \$ 213,378.00          |                        |
| 4.3                | Shoulder - full depth pavement                                   | 546      | m <sup>2</sup> | \$ 145.00           | \$ 79,170.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                  |          |                |                     |                        | <b>\$ 113,770.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                            | 1,220    | Lm             | \$ 30.00            | \$ 36,600.00           |                        |
| 5.2                | 375 RCP (class 2)                                                | 201      | Lm             | \$ 170.00           | \$ 34,170.00           |                        |
| 5.3                | Side entry pits                                                  | 6        | No             | \$ 2,500.00         | \$ 15,000.00           |                        |
| 5.4                | Relocate side entry pits                                         | 8        | No             | \$ 3,500.00         | \$ 28,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                            |          |                |                     |                        | <b>\$ 212,970.00</b>   |
| 6.1                | Kerb & channel                                                   | 1,220    | Lm             | \$ 50.00            | \$ 61,000.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)      | 848      | Lm             | \$ 130.00           | \$ 110,240.00          |                        |
| 6.3                | Pedestrian Footpath (1.5m wide, 125 mm, residential, as per MPA) | 200      | Lm             | \$ 65.00            | \$ 13,000.00           |                        |
| 6.4                | Laybacks and tactile pavers                                      | 6        | No             | \$ 850.00           | \$ 5,100.00            |                        |
| 6.5                | 10m concrete maintenance area end of all islands                 | 278      | m <sup>2</sup> | \$ 85.00            | \$ 23,630.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                      |          |                |                     |                        | <b>\$ 125,000.00</b>   |
| 7.1                | Relocate traffic signal                                          | 1        | Item           | \$ 125,000.00       | \$ 125,000.00          |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                      |          |                |                     |                        | <b>\$ 28,000.00</b>    |
| 8.1                | Light pole (1-way) and luminous lights                           | -        | No             | \$ 8,000.00         | \$ -                   |                        |
| 8.2                | Light pole (2-way) and luminous lights                           | 2        | No             | \$ 9,000.00         | \$ 18,000.00           |                        |
| 8.3                | JUP lighting single                                              | -        | No             | \$ 4,000.00         | \$ -                   |                        |
| 8.4                | Cabling, conduits and pits                                       | 1        | Item           | \$ 5,000.00         | \$ 5,000.00            |                        |
| 8.5                | Electrical connection                                            | 1        | Item           | \$ 5,000.00         | \$ 5,000.00            |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                         |          |                |                     |                        | <b>\$ 24,263.00</b>    |
| 9.1                | Topsoiling seeding                                               | 2,678    | m <sup>2</sup> | \$ 8.50             | \$ 22,763.00           |                        |
| 9.2                | Tree planting                                                    | 6        | No             | \$ 250.00           | \$ 1,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                               |          |                |                     |                        | <b>\$ 20,000.00</b>    |
| 10.1               | Signing                                                          | 1        | item           | \$ 5,000.00         | \$ 5,000.00            |                        |
| 10.2               | Linemarking (Thermoplastic)                                      | 1        | item           | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                  |          |                |                     | <b>\$ 1,923,257.40</b> | <b>\$ 1,923,257.40</b> |
| <b>E</b>           | <b>Contingency</b>                                               |          |                |                     |                        |                        |
|                    | Contingency (15% of D)                                           |          |                |                     | 15%                    | \$ 256,594.29          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                            |          |                |                     |                        |                        |
|                    | Total Estimate                                                   |          |                |                     |                        | <b>\$ 2,179,851.69</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-04

PM %: 8.80%

26 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                      | QUANTITY | UNIT           | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|------------------------------------------------------------------|----------|----------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                            |          |                |                     |                        | <b>\$ 82,869.88</b>    |
|                    | Project Management                                               |          | 3.00%          | 2.64%               | \$ 49,721.93           |                        |
|                    | Program Administration                                           |          | 2.00%          | 1.76%               | \$ 33,147.95           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                  |          |                |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                         |          | N/A            | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                          |          |                |                     |                        | <b>\$ 131,395.87</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                        | <b>1</b> | <b>Item</b>    | <b>\$ 47,085.16</b> | <b>\$ 47,085.16</b>    | <b>\$ 47,085.16</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                        |          |                |                     |                        | <b>\$ 23,100.00</b>    |
| 2.1                | Telecom conduiting                                               | 154      | m              | \$ 150.00           | \$ 23,100.00           |                        |
| <b>3</b>           | <b>VicRoads</b>                                                  |          |                |                     |                        | <b>\$ 61,210.71</b>    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item           | \$ 61,210.71        | \$ 61,210.71           |                        |
| <b>D</b>           | <b>Construction</b>                                              |          |                |                     | <b>\$ 1,883,406.45</b> | <b>\$ 1,883,406.45</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                             |          |                |                     |                        | <b>\$ 114,000.00</b>   |
| 1.1                | Site management & supervision including QA                       | 12       | weeks          | \$ 2,500.00         | \$ 30,000.00           |                        |
| 1.2                | Provision for traffic                                            | 1        | Item           | \$ 84,000.00        | \$ 84,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                |          |                |                     |                        | <b>\$ 184,140.00</b>   |
| 2.1                | Trees                                                            | 85       | No             | \$ 500.00           | \$ 42,500.00           |                        |
| 2.2                | Demolition of existing Road (plane off 195mm of asphalt)         | 1,473    | m <sup>2</sup> | \$ 55.00            | \$ 81,015.00           |                        |
| 2.3                | Breakout of existing kerb & channel                              | 315      | Lm             | \$ 45.00            | \$ 14,175.00           |                        |
| 2.4                | Demolition of existing shared pathway (3.0m wide)                | 166      | Lm             | \$ 55.00            | \$ 9,130.00            |                        |
| 2.5                | Demolition of existing pedestrian footpath (1.5m wide)           |          | Lm             | \$ 55.00            | \$ -                   |                        |
| 2.6                | Sawcutting of existing pavement to match new pavement            | 616      | Lm             | \$ 20.00            | \$ 12,320.00           |                        |
| 2.7                | Demolition of existing concrete island                           |          | m <sup>2</sup> | \$ 45.00            | \$ -                   |                        |
| 2.8                | Remove part of signals                                           | 1        | Item           | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                |          |                |                     |                        | <b>\$ 269,593.70</b>   |
| 3.1                | Stripping topsoil (150mm)                                        | 10,475   | m <sup>2</sup> | \$ 6.00             | \$ 62,850.00           |                        |
| 3.2                | Cutting                                                          | 1,382    | m <sup>3</sup> | \$ 15.00            | \$ 20,730.00           |                        |
| 3.3                | Filling and compact                                              | 921      | m <sup>3</sup> | \$ 12.00            | \$ 11,052.00           |                        |
| 3.4                | Cart off excess material                                         | 461      | m <sup>3</sup> | \$ 15.00            | \$ 6,915.00            |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                          | 820      | m <sup>3</sup> | \$ 30.00            | \$ 24,592.20           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                  | 2,049    | m <sup>2</sup> | \$ 70.00            | \$ 143,454.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                  |          |                |                     |                        | <b>\$ 696,653.50</b>   |
| 4.1                | Deep lift asphalt 195 mm                                         | 3,709    | m <sup>2</sup> | \$ 105.00           | \$ 389,445.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                 | 4,099    | m <sup>2</sup> | \$ 55.00            | \$ 225,428.50          |                        |
| 4.3                | Shoulder - full depth pavement                                   | 564      | m <sup>2</sup> | \$ 145.00           | \$ 81,780.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                  |          |                |                     |                        | <b>\$ 131,910.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                            | 1,343    | Lm             | \$ 30.00            | \$ 40,290.00           |                        |
| 5.2                | 375 RCP (class 2)                                                | 286      | Lm             | \$ 170.00           | \$ 48,620.00           |                        |
| 5.3                | Side entry pits                                                  | 6        | No             | \$ 2,500.00         | \$ 15,000.00           |                        |
| 5.4                | Relocate side entry pits                                         | 8        | No             | \$ 3,500.00         | \$ 28,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                            |          |                |                     |                        | <b>\$ 244,595.00</b>   |
| 6.1                | Kerb & channel                                                   | 1,343    | Lm             | \$ 50.00            | \$ 67,150.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)      | 1,046    | Lm             | \$ 130.00           | \$ 135,980.00          |                        |
| 6.3                | Pedestrian Footpath (1.5m wide, 125 mm, residential, as per MPA) | 175      | Lm             | \$ 65.00            | \$ 11,375.00           |                        |
| 6.4                | Laybacks and tactile pavers                                      | 4        | No             | \$ 850.00           | \$ 3,400.00            |                        |
| 6.5                | Concrete island infill                                           |          | m <sup>2</sup> | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                 | 314      | m <sup>2</sup> | \$ 85.00            | \$ 26,690.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                      |          |                |                     |                        | <b>\$ 125,000.00</b>   |
| 7.1                | Relocate traffic signal                                          | 1        | Item           | \$ 125,000.00       | \$ 125,000.00          |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                      |          |                |                     |                        | <b>\$ 67,000.00</b>    |
| 8.1                | Light pole (1-way) and luminous lights                           | 2        | No             | \$ 8,000.00         | \$ 16,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                           | 3        | No             | \$ 9,000.00         | \$ 27,000.00           |                        |
| 8.3                | JUP lighting single                                              | 1        | No             | \$ 4,000.00         | \$ 4,000.00            |                        |
| 8.4                | Cabling, conduits and pits                                       | 1        | Item           | \$ 10,000.00        | \$ 10,000.00           |                        |
| 8.5                | Electrical connection                                            | 1        | Item           | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                         |          |                |                     |                        | <b>\$ 27,514.25</b>    |
| 9.1                | Topsoiling seeding                                               | 3,061    | m <sup>2</sup> | \$ 8.50             | \$ 26,014.25           |                        |
| 9.2                | Tree planting                                                    | 6        | No             | \$ 250.00           | \$ 1,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                               |          |                |                     |                        | <b>\$ 23,000.00</b>    |
| 10.1               | Signing                                                          | 1        | item           | \$ 8,000.00         | \$ 8,000.00            |                        |
| 10.2               | Linemarking (Thermoplastic)                                      | 1        | item           | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                  |          |                |                     | <b>\$ 2,097,672.20</b> | <b>\$ 2,097,672.20</b> |
| <b>E</b>           | <b>Contingency</b>                                               |          |                |                     |                        |                        |
|                    | Contingency (15% of D)                                           |          |                |                     | 15%                    | <b>\$ 282,510.97</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                            |          |                |                     |                        |                        |
|                    | Total Estimate                                                   |          |                |                     |                        | <b>\$ 2,380,183.17</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-05

26 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                      | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                            |          |             |                     |                        | <b>\$ 155,931.45</b>   |
|                    | Project Management                                               |          | 3.00%       | 2.64%               | \$ 93,558.87           |                        |
|                    | Program Administration                                           |          | 2.00%       | 1.76%               | \$ 62,372.58           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                  |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                         |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                          |          |             |                     |                        | <b>\$ 265,274.05</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                        | <b>1</b> | <b>Item</b> | <b>\$ 88,597.42</b> | <b>\$ 88,597.42</b>    | <b>\$ 88,597.42</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                        |          |             |                     |                        | <b>\$ 61,500.00</b>    |
| 2.1                | Telecom conduiting                                               | 410      | m           | \$ 150.00           | \$ 61,500.00           |                        |
| <b>3</b>           | <b>VicRoads</b>                                                  |          |             |                     |                        | <b>\$ 115,176.64</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item        | \$ 115,176.64       | \$ 115,176.64          |                        |
| <b>D</b>           | <b>Construction</b>                                              |          |             |                     | <b>\$ 3,543,896.60</b> | <b>\$ 3,543,896.60</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                             |          |             |                     |                        | <b>\$ 114,000.00</b>   |
| 1.1                | Site management & supervision including QA                       | 12       | weeks       | \$ 2,500.00         | \$ 30,000.00           |                        |
| 1.2                | Provision for traffic                                            | 1        | Item        | \$ 84,000.00        | \$ 84,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                |          |             |                     |                        | <b>\$ 340,280.00</b>   |
| 2.1                | Trees                                                            | 35       | No          | \$ 500.00           | \$ 17,500.00           |                        |
| 2.2                | Demolition of existing Road (plane off 195mm of asphalt)         | 4,029    | m²          | \$ 55.00            | \$ 221,595.00          |                        |
| 2.3                | Breakout of existing kerb & channel                              | 1,001    | Lm          | \$ 45.00            | \$ 45,045.00           |                        |
| 2.4                | Demolition of existing shared pathway (3.0m wide)                | 156      | Lm          | \$ 55.00            | \$ 8,580.00            |                        |
| 2.5                | Demolition of existing pedestrian footpath (1.5m wide)           | 20       | Lm          | \$ 55.00            | \$ 1,100.00            |                        |
| 2.6                | Sawcutting of existing pavement to match new pavement            | 821      | Lm          | \$ 20.00            | \$ 16,420.00           |                        |
| 2.7                | Demolition of existing concrete island                           | 112      | m²          | \$ 45.00            | \$ 5,040.00            |                        |
| 2.8                | Remove part of signals                                           | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                |          |             |                     |                        | <b>\$ 621,121.10</b>   |
| 3.1                | Stripping topsoil (150mm)                                        | 23,670   | m²          | \$ 6.00             | \$ 142,020.00          |                        |
| 3.2                | Cutting                                                          | 2,860    | m³          | \$ 15.00            | \$ 42,900.00           |                        |
| 3.3                | Filling and compact                                              | 1,823    | m³          | \$ 12.00            | \$ 21,876.00           |                        |
| 3.4                | Cart off excess material                                         | 1,037    | m³          | \$ 15.00            | \$ 15,555.00           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                          | 1,945    | m³          | \$ 30.00            | \$ 58,356.60           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                  | 4,863    | m²          | \$ 70.00            | \$ 340,413.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                  |          |             |                     |                        | <b>\$ 1,498,055.50</b> |
| 4.1                | Deep lift asphalt 195 mm                                         | 7,909    | m²          | \$ 105.00           | \$ 830,445.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                 | 9,726    | m²          | \$ 55.00            | \$ 534,935.50          |                        |
| 4.3                | Shoulder - full depth pavement                                   | 915      | m²          | \$ 145.00           | \$ 132,675.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                  |          |             |                     |                        | <b>\$ 255,010.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                            | 2,562    | Lm          | \$ 30.00            | \$ 76,860.00           |                        |
| 5.2                | 375 RCP (class 2)                                                | 595      | Lm          | \$ 170.00           | \$ 101,150.00          |                        |
| 5.3                | Side entry pits                                                  | 14       | No          | \$ 2,500.00         | \$ 35,000.00           |                        |
| 5.4                | Relocate side entry pits                                         | 12       | No          | \$ 3,500.00         | \$ 42,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                            |          |             |                     |                        | <b>\$ 395,415.00</b>   |
| 6.1                | Kerb & channel                                                   | 2,562    | Lm          | \$ 50.00            | \$ 128,100.00          |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)      | 1,747    | Lm          | \$ 130.00           | \$ 227,110.00          |                        |
| 6.3                | Pedestrian Footpath (1.5m wide, 125 mm, residential, as per MPA) | -        | Lm          | \$ 65.00            | \$ -                   |                        |
| 6.4                | Laybacks and tactile pavers                                      | 10       | No          | \$ 850.00           | \$ 8,500.00            |                        |
| 6.5                | Concrete island infill                                           |          | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                 | 373      | m²          | \$ 85.00            | \$ 31,705.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                      |          |             |                     |                        | <b>\$ 125,000.00</b>   |
| 7.1                | Relocate traffic signal                                          | 1        | Item        | \$ 125,000.00       | \$ 125,000.00          |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                      |          |             |                     |                        | <b>\$ 133,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                           | 9        | No          | \$ 8,000.00         | \$ 72,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                           | 4        | No          | \$ 9,000.00         | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                              | 3        | No          | \$ 5,000.00         | \$ 15,000.00           |                        |
| 8.4                | Cabling, conduits and pits                                       | 1        | Item        | \$ 5,000.00         | \$ 5,000.00            |                        |
| 8.5                | Electrical connection                                            | 1        | Item        | \$ 5,000.00         | \$ 5,000.00            |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                         |          |             |                     |                        | <b>\$ 49,015.00</b>    |
| 9.1                | Topsoiling seeding                                               | 5,590    | m²          | \$ 8.50             | \$ 47,515.00           |                        |
| 9.2                | Tree planting                                                    | 6        | No          | \$ 250.00           | \$ 1,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                               |          |             |                     |                        | <b>\$ 13,000.00</b>    |
| 10.1               | Signing                                                          | 1        | item        | \$ 3,000.00         | \$ 3,000.00            |                        |
| 10.2               | Linemarking (Thermoplastic)                                      | 1        | item        | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                  |          |             |                     | <b>\$ 3,965,102.10</b> | <b>\$ 3,965,102.10</b> |
| <b>E</b>           | <b>Contingency</b>                                               |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                           |          |             |                     | 15%                    | <b>\$ 531,584.49</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                            |          |             |                     |                        |                        |
|                    | Total Estimate                                                   |          |             |                     |                        | <b>\$ 4,496,686.59</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-06

26 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                      | QUANTITY | UNIT  | RATE          | AMOUNT                 | SUBTOTAL               |
|--------------------|------------------------------------------------------------------|----------|-------|---------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                            |          |       |               |                        | <b>\$ 77,124.65</b>    |
|                    | Project Management                                               |          | 3.00% | 2.64%         | \$ 46,274.79           |                        |
|                    | Program Administration                                           |          | 2.00% | 1.76%         | \$ 30,849.86           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                  |          |       |               |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                         |          | N/A   | N/A           |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                          |          |       |               |                        | <b>\$ 138,287.89</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                        | 1        | Item  | \$ 43,820.82  | \$ 43,820.82           | \$ 43,820.82           |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                        |          |       |               |                        | \$ 37,500.00           |
| 2.1                | Telecom conduiting                                               | 250      | m     | \$ 150.00     | \$ 37,500.00           |                        |
| <b>3</b>           | <b>VicRoads</b>                                                  |          |       |               |                        | \$ 56,967.07           |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item  | \$ 56,967.07  | \$ 56,967.07           |                        |
| <b>D</b>           | <b>Construction</b>                                              |          |       |               | \$ 1,752,832.90        | <b>\$ 1,752,832.90</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                             |          |       |               |                        | \$ 114,000.00          |
| 1.1                | Site management & supervision including QA                       | 12       | weeks | \$ 2,500.00   | \$ 30,000.00           |                        |
| 1.2                | Provision for traffic                                            | 1        | Item  | \$ 84,000.00  | \$ 84,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                |          |       |               |                        | \$ 139,830.00          |
| 2.1                | Trees                                                            | -        | No    | \$ 500.00     | \$ -                   |                        |
| 2.2                | Demolition of existing Road (plane off 195mm of asphalt)         | 1,436    | m²    | \$ 55.00      | \$ 78,980.00           |                        |
| 2.3                | Breakout of existing kerb & channel                              | 383      | Lm    | \$ 45.00      | \$ 17,235.00           |                        |
| 2.4                | Demolition of existing shared pathway (3.0m wide)                | 35       | Lm    | \$ 55.00      | \$ 1,925.00            |                        |
| 2.5                | Demolition of existing pedestrian footpath (1.5m wide)           | -        | Lm    | \$ 55.00      | \$ -                   |                        |
| 2.6                | Sawcutting of existing pavement to match new pavement            | 567      | Lm    | \$ 20.00      | \$ 11,340.00           |                        |
| 2.7                | Remove light pole (1-way)                                        | 2        | No    | \$ 2,000.00   | \$ 4,000.00            |                        |
| 2.8                | Demolition of existing concrete island                           | 30       | m²    | \$ 45.00      | \$ 1,350.00            |                        |
| 2.9                | Remove part of signals                                           | 1        | Item  | \$ 25,000.00  | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                |          |       |               |                        | \$ 288,005.90          |
| 3.1                | Stripping topsoil (150mm)                                        | 10,680   | m²    | \$ 6.00       | \$ 64,080.00           |                        |
| 3.2                | Cutting                                                          | 1,677    | m³    | \$ 15.00      | \$ 25,155.00           |                        |
| 3.3                | Filling and compact                                              | 1,112    | m³    | \$ 12.00      | \$ 13,344.00           |                        |
| 3.4                | Cart off excess material                                         | 565      | m³    | \$ 15.00      | \$ 8,475.00            |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                          | 863      | m³    | \$ 30.00      | \$ 25,895.40           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                  | 2,158    | m²    | \$ 70.00      | \$ 151,056.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                  |          |       |               |                        | \$ 727,559.50          |
| 4.1                | Deep lift asphalt 195 mm                                         | 3,757    | m²    | \$ 105.00     | \$ 394,485.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                 | 4,316    | m²    | \$ 55.00      | \$ 237,374.50          |                        |
| 4.3                | Shoulder - full depth pavement                                   | 660      | m²    | \$ 145.00     | \$ 95,700.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                  |          |       |               |                        | \$ 112,500.00          |
| 5.1                | Subsoil drains 100mm dia - screenings                            | 984      | Lm    | \$ 30.00      | \$ 29,520.00           |                        |
| 5.2                | 375 RCP (class 2)                                                | 244      | Lm    | \$ 170.00     | \$ 41,480.00           |                        |
| 5.3                | Side entry pits                                                  | 4        | No    | \$ 2,500.00   | \$ 10,000.00           |                        |
| 5.4                | Relocate side entry pits                                         | 9        | No    | \$ 3,500.00   | \$ 31,500.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                            |          |       |               |                        | \$ 157,480.00          |
| 6.1                | Kerb & channel                                                   | 984      | Lm    | \$ 50.00      | \$ 49,200.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)      | 519      | Lm    | \$ 130.00     | \$ 67,470.00           |                        |
| 6.3                | Pedestrian Footpath (1.5m wide, 125 mm, residential, as per MPA) | 263      | Lm    | \$ 65.00      | \$ 17,095.00           |                        |
| 6.4                | Laybacks and tactile pavers                                      | 4        | No    | \$ 850.00     | \$ 3,400.00            |                        |
| 6.5                | Concrete island infill                                           |          | m²    | \$ 120.00     | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                 | 239      | m²    | \$ 85.00      | \$ 20,315.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                      |          |       |               |                        | \$ 125,000.00          |
| 7.1                | Relocate traffic signal                                          | 1        | Item  | \$ 125,000.00 | \$ 125,000.00          |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                      |          |       |               |                        | \$ 51,000.00           |
| 8.1                | Light pole (1-way) and luminous lights                           |          | No    | \$ 8,000.00   | \$ -                   |                        |
| 8.2                | Light pole (2-way) and luminous lights                           | 3        | No    | \$ 9,000.00   | \$ 27,000.00           |                        |
| 8.3                | JUP lighting single                                              | 1        | No    | \$ 4,000.00   | \$ 4,000.00            |                        |
| 8.4                | Cabling, conduits and pits                                       | 1        | Item  | \$ 10,000.00  | \$ 10,000.00           |                        |
| 8.5                | Electrical connection                                            | 1        | Item  | \$ 10,000.00  | \$ 10,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                         |          |       |               |                        | \$ 17,457.50           |
| 9.1                | Topsailing seeding                                               | 1,995    | m²    | \$ 8.50       | \$ 16,957.50           |                        |
| 9.2                | Tree planting                                                    | 2        | No    | \$ 250.00     | \$ 500.00              |                        |
| <b>10</b>          | <b>DELINEATION</b>                                               |          |       |               |                        | \$ 20,000.00           |
| 10.1               | Signing                                                          | 1        | item  | \$ 5,000.00   | \$ 5,000.00            |                        |
| 10.2               | Linemarking (Thermoplastic)                                      | 1        | item  | \$ 15,000.00  | \$ 15,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                  |          |       |               | <b>\$ 1,968,245.44</b> | <b>\$ 1,968,245.44</b> |
| <b>E</b>           | <b>Contingency</b>                                               |          |       |               |                        |                        |
|                    | Contingency (15% of D)                                           |          |       |               | 15%                    | \$ 262,924.94          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                            |          |       |               |                        |                        |
|                    | Total Estimate                                                   |          |       |               |                        | \$ 2,231,170.37        |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-07

PM %: 8.80%

26 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                      | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                            |          |             |                     |                        | <b>\$ 77,406.51</b>    |
|                    | Project Management                                               |          | 3.00%       | 2.64%               | \$ 46,443.90           |                        |
|                    | Program Administration                                           |          | 2.00%       | 1.76%               | \$ 30,962.60           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                  |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                         |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                          |          |             |                     |                        | <b>\$ 138,656.23</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                        | <b>1</b> | <b>Item</b> | <b>\$ 43,980.97</b> | <b>\$ 43,980.97</b>    | <b>\$ 43,980.97</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                        |          |             |                     |                        | <b>\$ 37,500.00</b>    |
| 2.1                | Telecom conduiting                                               | 250      | m           | \$ 150.00           | \$ 37,500.00           |                        |
| <b>3</b>           | <b>VicRoads</b>                                                  |          |             |                     |                        | <b>\$ 57,175.26</b>    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item        | \$ 57,175.26        | \$ 57,175.26           |                        |
| <b>D</b>           | <b>Construction</b>                                              |          |             |                     | <b>\$ 1,759,238.80</b> | <b>\$ 1,759,238.80</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                             |          |             |                     |                        | <b>\$ 114,000.00</b>   |
| 1.1                | Site management & supervision including QA                       | 12       | weeks       | \$ 2,500.00         | \$ 30,000.00           |                        |
| 1.2                | Provision for traffic                                            | 1        | Item        | \$ 84,000.00        | \$ 84,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                |          |             |                     |                        | <b>\$ 198,480.00</b>   |
| 2.1                | Trees                                                            | 90       | No          | \$ 500.00           | \$ 45,000.00           |                        |
| 2.2                | Demolition of existing Road (plane off 195mm of asphalt)         | 1,846    | m²          | \$ 55.00            | \$ 101,530.00          |                        |
| 2.3                | Breakout of existing kerb & channel                              | 303      | Lm          | \$ 45.00            | \$ 13,635.00           |                        |
| 2.4                | Demolition of existing shared pathway (3.0m wide)                | 15       | Lm          | \$ 55.00            | \$ 825.00              |                        |
| 2.5                | Demolition of existing pedestrian footpath (1.5m wide)           |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.6                | Sawcutting of existing pavement to match new pavement            | 357      | Lm          | \$ 20.00            | \$ 7,140.00            |                        |
| 2.7                | Remove light pole (1-way)                                        | 2        | No          | \$ 2,000.00         | \$ 4,000.00            |                        |
| 2.8                | Demolition of existing concrete island                           | 30       | m²          | \$ 45.00            | \$ 1,350.00            |                        |
| 2.9                | Remove part of signals                                           | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                |          |             |                     |                        | <b>\$ 261,666.80</b>   |
| 3.1                | Stripping topsoil (150mm)                                        | 9,670    | m²          | \$ 6.00             | \$ 58,020.00           |                        |
| 3.2                | Cutting                                                          | 713      | m³          | \$ 15.00            | \$ 10,695.00           |                        |
| 3.3                | Filling and compact                                              | 499      | m³          | \$ 12.00            | \$ 5,988.00            |                        |
| 3.4                | Cart off excess material                                         | 214      | m³          | \$ 15.00            | \$ 3,210.00            |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                          | 896      | m³          | \$ 30.00            | \$ 26,880.00           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                  | 2,241    | m²          | \$ 70.00            | \$ 156,863.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                  |          |             |                     |                        | <b>\$ 697,384.00</b>   |
| 4.1                | Deep lift asphalt 195 mm                                         | 3,652    | m²          | \$ 105.00           | \$ 383,460.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                 | 4,482    | m²          | \$ 55.00            | \$ 246,499.00          |                        |
| 4.3                | Shoulder - full depth pavement                                   | 465      | m²          | \$ 145.00           | \$ 67,425.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                  |          |             |                     |                        | <b>\$ 91,950.00</b>    |
| 5.1                | Subsoil drains 100mm dia - screenings                            | 1,276    | Lm          | \$ 30.00            | \$ 38,280.00           |                        |
| 5.2                | 375 RCP (class 2)                                                | 101      | Lm          | \$ 170.00           | \$ 17,170.00           |                        |
| 5.3                | Side entry pits                                                  | 2        | No          | \$ 2,500.00         | \$ 5,000.00            |                        |
| 5.4                | Relocate side entry pits                                         | 9        | No          | \$ 3,500.00         | \$ 31,500.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                            |          |             |                     |                        | <b>\$ 188,480.00</b>   |
| 6.1                | Kerb & channel                                                   | 1,276    | Lm          | \$ 50.00            | \$ 63,800.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)      | 737      | Lm          | \$ 130.00           | \$ 95,810.00           |                        |
| 6.3                | Pedestrian Footpath (1.5m wide, 125 mm, residential, as per MPA) | 95       | Lm          | \$ 65.00            | \$ 6,175.00            |                        |
| 6.4                | Laybacks and tactile pavers                                      | 8        | No          | \$ 850.00           | \$ 6,800.00            |                        |
| 6.5                | Concrete island infill                                           | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                 | 187      | m²          | \$ 85.00            | \$ 15,895.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                      |          |             |                     |                        | <b>\$ 125,000.00</b>   |
| 7.1                | Relocate traffic signal                                          | 1        | Item        | \$ 125,000.00       | \$ 125,000.00          |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                      |          |             |                     |                        | <b>\$ 58,000.00</b>    |
| 8.1                | Light pole (1-way) and luminous lights                           |          | No          | \$ 8,000.00         | \$ -                   |                        |
| 8.2                | Light pole (2-way) and luminous lights                           | 2        | No          | \$ 9,000.00         | \$ 18,000.00           |                        |
| 8.3                | JUP lighting dual                                                | 4        | No          | \$ 5,000.00         | \$ 20,000.00           |                        |
| 8.4                | Cabling, conduits and pits                                       | 1        | Item        | \$ 10,000.00        | \$ 10,000.00           |                        |
| 8.5                | Electrical connection                                            | 1        | Item        | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                         |          |             |                     |                        | <b>\$ 11,278.00</b>    |
| 9.1                | Topsailing seeding                                               | 1,268    | m²          | \$ 8.50             | \$ 10,778.00           |                        |
| 9.2                | Tree planting                                                    | 2        | No          | \$ 250.00           | \$ 500.00              |                        |
| <b>10</b>          | <b>DELINEATION</b>                                               |          |             |                     |                        | <b>\$ 13,000.00</b>    |
| 10.1               | Signing                                                          | 1        | item        | \$ 3,000.00         | \$ 3,000.00            |                        |
| 10.2               | Linemarking (Thermoplastic)                                      | 1        | item        | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                  |          |             |                     | <b>\$ 1,975,301.54</b> | <b>\$ 1,975,301.54</b> |
| <b>E</b>           | <b>Contingency</b>                                               |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                           |          |             |                     | 15%                    | \$ 263,885.82          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                            |          |             |                     |                        |                        |
|                    | Total Estimate                                                   |          |             |                     |                        | \$ 2,239,187.36        |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-08

PM %: 8.80%

26 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                      | QUANTITY | UNIT           | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|------------------------------------------------------------------|----------|----------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                            |          |                |                     |                        | <b>\$ 91,023.43</b>    |
|                    | Project Management                                               |          | 3.00%          | 2.64%               | \$ 54,614.06           |                        |
|                    | Program Administration                                           |          | 2.00%          | 1.76%               | \$ 36,409.37           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                  |          |                |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                         |          | N/A            | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                          |          |                |                     |                        | <b>\$ 156,451.07</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                        | <b>1</b> | <b>Item</b>    | <b>\$ 51,717.86</b> | <b>\$ 51,717.86</b>    | <b>\$ 51,717.86</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                        |          |                |                     |                        | <b>\$ 37,500.00</b>    |
| 2.1                | Telecom conduiting                                               | 250      | m              | \$ 150.00           | \$ 37,500.00           |                        |
| <b>3</b>           | <b>VicRoads</b>                                                  |          |                |                     |                        | <b>\$ 67,233.21</b>    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)     | 1        | Item           | \$ 67,233.21        | \$ 67,233.21           |                        |
| <b>D</b>           | <b>Construction</b>                                              |          |                |                     | <b>\$ 2,068,714.30</b> | <b>\$ 2,068,714.30</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                             |          |                |                     |                        | <b>\$ 114,000.00</b>   |
| 1.1                | Site management & supervision including QA                       | 12       | weeks          | \$ 2,500.00         | \$ 30,000.00           |                        |
| 1.2                | Provision for traffic                                            | 1        | Item           | \$ 84,000.00        | \$ 84,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                |          |                |                     |                        | <b>\$ 160,720.00</b>   |
| 2.1                | Trees                                                            | 20       | No             | \$ 500.00           | \$ 10,000.00           |                        |
| 2.2                | Demolition of existing Road (plane off 195mm of asphalt)         | 1,845    | m <sup>2</sup> | \$ 55.00            | \$ 101,475.00          |                        |
| 2.3                | Breakout of existing kerb & channel                              | 268      | Lm             | \$ 45.00            | \$ 12,060.00           |                        |
| 2.4                | Demolition of existing shared pathway (3.0m wide)                | 15       | Lm             | \$ 55.00            | \$ 825.00              |                        |
| 2.5                | Demolition of existing pedestrian footpath (1.5m wide)           |          | Lm             | \$ 55.00            | \$ -                   |                        |
| 2.6                | Sawcutting of existing pavement to match new pavement            | 368      | Lm             | \$ 20.00            | \$ 7,360.00            |                        |
| 2.7                | Remove light pole (1-way)                                        | 2        | No             | \$ 2,000.00         | \$ 4,000.00            |                        |
| 2.8                | Demolition of existing concrete island                           |          | m <sup>2</sup> | \$ 45.00            | \$ -                   |                        |
| 2.9                | Remove part of signals                                           | 1        | Item           | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                |          |                |                     |                        | <b>\$ 305,013.30</b>   |
| 3.1                | Stripping topsoil (150mm)                                        | 12,575   | m <sup>2</sup> | \$ 6.00             | \$ 75,450.00           |                        |
| 3.2                | Cutting                                                          | 883      | m <sup>3</sup> | \$ 15.00            | \$ 13,245.00           |                        |
| 3.3                | Filling and compact                                              | 619      | m <sup>3</sup> | \$ 12.00            | \$ 7,428.00            |                        |
| 3.4                | Cart off excess material                                         | 264      | m <sup>3</sup> | \$ 15.00            | \$ 3,960.00            |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                          | 1,000    | m <sup>3</sup> | \$ 30.00            | \$ 29,989.80           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                  | 2,499    | m <sup>2</sup> | \$ 70.00            | \$ 174,940.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                  |          |                |                     |                        | <b>\$ 774,466.50</b>   |
| 4.1                | Deep lift asphalt 195 mm                                         | 4,128    | m <sup>2</sup> | \$ 105.00           | \$ 433,440.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                 | 4,998    | m <sup>2</sup> | \$ 55.00            | \$ 274,906.50          |                        |
| 4.3                | Shoulder - full depth pavement                                   | 456      | m <sup>2</sup> | \$ 145.00           | \$ 66,120.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                  |          |                |                     |                        | <b>\$ 257,270.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                            | 1,425    | Lm             | \$ 30.00            | \$ 42,750.00           |                        |
| 5.2                | 375 RCP (class 2)                                                | 1,006    | Lm             | \$ 170.00           | \$ 171,020.00          |                        |
| 5.3                | Side entry pits                                                  | 2        | No             | \$ 2,500.00         | \$ 5,000.00            |                        |
| 5.4                | Relocate side entry pits                                         | 11       | No             | \$ 3,500.00         | \$ 38,500.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                            |          |                |                     |                        | <b>\$ 246,925.00</b>   |
| 6.1                | Kerb & channel                                                   | 1,425    | Lm             | \$ 50.00            | \$ 71,250.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)      | 880      | Lm             | \$ 130.00           | \$ 114,400.00          |                        |
| 6.3                | Pedestrian Footpath (1.5m wide, 125 mm, residential, as per MPA) | 170      | Lm             | \$ 65.00            | \$ 11,050.00           |                        |
| 6.4                | Laybacks and tactile pavers                                      | 8        | No             | \$ 850.00           | \$ 6,800.00            |                        |
| 6.5                | Concrete island infill                                           | 177      | m <sup>2</sup> | \$ 120.00           | \$ 21,240.00           |                        |
| 6.6                | 10m concrete maintenance area end of all islands                 | 261      | m <sup>2</sup> | \$ 85.00            | \$ 22,185.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                      |          |                |                     |                        | <b>\$ 125,000.00</b>   |
| 7.1                | Relocate traffic signal                                          | 1        | Item           | \$ 125,000.00       | \$ 125,000.00          |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                      |          |                |                     |                        | <b>\$ 58,000.00</b>    |
| 8.1                | Light pole (1-way) and luminous lights                           |          | No             | \$ 8,000.00         | \$ -                   |                        |
| 8.2                | Light pole (2-way) and luminous lights                           | 2        | No             | \$ 9,000.00         | \$ 18,000.00           |                        |
| 8.3                | JUP lighting dual                                                | 4        | No             | \$ 5,000.00         | \$ 20,000.00           |                        |
| 8.4                | Cabling, conduits and pits                                       | 1        | Item           | \$ 10,000.00        | \$ 10,000.00           |                        |
| 8.5                | Electrical connection                                            | 1        | Item           | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                         |          |                |                     |                        | <b>\$ 14,319.50</b>    |
| 9.1                | Topsoiling seeding                                               | 1,567    | m <sup>2</sup> | \$ 8.50             | \$ 13,319.50           |                        |
| 9.2                | Tree planting                                                    | 4        | No             | \$ 250.00           | \$ 1,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                               |          |                |                     |                        | <b>\$ 13,000.00</b>    |
| 10.1               | Signing                                                          | 1        | item           | \$ 3,000.00         | \$ 3,000.00            |                        |
| 10.2               | Linemarking (Thermoplastic)                                      | 1        | item           | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                  |          |                |                     | <b>\$ 2,316,188.80</b> | <b>\$ 2,316,188.80</b> |
| <b>E</b>           | <b>Contingency</b>                                               |          |                |                     |                        |                        |
|                    | Contingency (15% of D)                                           |          |                |                     | 15%                    | <b>\$ 310,307.15</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                            |          |                |                     |                        |                        |
|                    | Total Estimate                                                   |          |                |                     |                        | <b>\$ 2,626,495.95</b> |

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

18 October 2016

Version 6

**Interim Intersection Project Cost**

| ITEM               | DESCRIPTION                    | IN-01                  | IN-02                  | IN-04                  | IN-05 (APA)            | IN-06                  |
|--------------------|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| A                  | Project and Program Management | \$ 246,291.79          | \$ 131,465.22          | \$ 138,392.79          | \$ 236,049.71          | \$ 148,168.05          |
| B                  | Design and Investigation       | \$ -                   | \$ -                   | \$ -                   | \$ -                   | \$ -                   |
| C                  | Additional Items               | \$ 670,920.07          | \$ 421,301.14          | \$ 456,354.21          | \$ 583,854.90          | \$ 457,628.70          |
| D                  | Construction                   | \$ 5,597,540.74        | \$ 2,987,845.85        | \$ 3,145,290.59        | \$ 5,364,766.25        | \$ 3,367,455.64        |
| <b>TOTAL A - D</b> |                                | <b>\$ 6,514,752.61</b> | <b>\$ 3,540,612.20</b> | <b>\$ 3,740,037.58</b> | <b>\$ 6,184,670.86</b> | <b>\$ 3,973,252.38</b> |
| E                  | CONTINGENCY                    |                        |                        |                        |                        |                        |
|                    | Contingency (15% of D)         | \$ 839,631.11          | \$ 448,176.88          | \$ 471,793.59          | \$ 804,714.94          | \$ 505,118.35          |
| F                  | PROJECT BUDGET                 |                        |                        |                        |                        |                        |
|                    | Total Estimate                 | \$ 7,354,383.72        | \$ 3,988,789.08        | \$ 4,211,831.17        | \$ 6,989,385.80        | \$ 4,478,370.73        |

**Notes:**

- 1 Cost does not include southern leg of intersection IN-2, IN-4, IN-6
- 2 Design cost - Not included in interim estimate except for IN-18 & IN-20 (completed in CG140690)
- 3 Site establishment - Taken as 2.5% of construction cost with upper limit of \$100,000
- 4 Soft spot rectification - Taken as 20% of sub-base pavement
- 5 Rock excavation - Assume 50% of sub-base pavement
- 6 Pavement - Assume deep lift asphalt pavement
- 7 Subsoil drains - Assume same as kerb and channel
- 8 Drainage - Assume 375 DIA RCP
- 9 Side entry pits - Based on 50m intervals
- 10 Light pole - Based on 70m intervals
- 11 Existing road - Existing asphalt roads to be demolished as part of intersection works
- 12 Substation - No allowance for substations
- 13 Tree planting - Based on 80m intervals

AUTHOR: J.Ly

Date: 18/10/2016

REVIEWER: R.Henry

Date: 18/10/2016

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

18 October 2016

Version 6

**Interim Intersection Project Cost**

| ITEM               | DESCRIPTION                    | IN-07                  | IN-08                  | IN-09                  | IN-10                  | IN-13                  |
|--------------------|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| A                  | Project and Program Management | \$ 183,477.87          | \$ 195,489.14          | \$ 369,516.93          | \$ 104,448.32          | \$ 96,493.70           |
| B                  | Design and Investigation       | \$ -                   | \$ -                   | \$ -                   | \$ -                   | \$ -                   |
| C                  | Additional Items               | \$ 418,023.43          | \$ 426,895.38          | \$ 700,938.64          | \$ 296,494.96          | \$ 296,099.72          |
| D                  | Construction                   | \$ 4,169,951.55        | \$ 4,442,934.91        | \$ 8,398,112.15        | \$ 2,373,825.39        | \$ 2,193,038.56        |
| <b>TOTAL A - D</b> |                                | <b>\$ 4,771,452.84</b> | <b>\$ 5,065,319.43</b> | <b>\$ 9,468,567.73</b> | <b>\$ 2,774,768.67</b> | <b>\$ 2,585,631.98</b> |
| E                  | CONTINGENCY                    |                        |                        |                        |                        |                        |
|                    | Contingency (15% of D)         | \$ 625,492.73          | \$ 666,440.24          | \$ 1,259,716.82        | \$ 356,073.81          | \$ 328,955.78          |
| F                  | PROJECT BUDGET                 |                        |                        |                        |                        |                        |
|                    | Total Estimate                 | \$ 5,396,945.58        | \$ 5,731,759.66        | \$ 10,728,284.55       | \$ 3,130,842.48        | \$ 2,914,587.76        |

**Notes:**

- 1 Cost does not include southern leg of intersection IN-2, IN-4, IN-6
- 2 Design cost - Not included in interim estimate except for IN-18 & IN-20 (completed in CG140690)
- 3 Site establishment - Taken as 2.5% of construction cost with upper limit of \$100,000
- 4 Soft spot rectification - Taken as 20% of sub-base pavement
- 5 Rock excavation - Assume 50% of sub-base pavement
- 6 Pavement - Assume deep lift asphalt pavement
- 7 Subsoil drains - Assume same as kerb and channel
- 8 Drainage - Assume 375 DIA RCP
- 9 Side entry pits - Based on 50m intervals
- 10 Light pole - Based on 70m intervals
- 11 Existing road - Existing asphalt roads to be demolished as part of intersection works
- 12 Substation - No allowance for substations
- 13 Tree planting - Based on 80m intervals

AUTHOR: J.Ly

Date: 18/10/2016

REVIEWER: R.Henry

Date: 18/10/2016

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

18 October 2016

Version 6

**Interim Intersection Project Cost**

| ITEM               | DESCRIPTION                    | IN-14                  | IN-15                  | IN-18                  | IN-20                  | IN-21 (APA)            |
|--------------------|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| A                  | Project and Program Management | \$ 117,838.70          | \$ 163,312.49          | \$ 122,506.64          | \$ 186,106.12          | \$ 175,467.79          |
| B                  | Design and Investigation       | \$ -                   | \$ -                   | \$ 269,514.61          | \$ 409,433.47          | \$ -                   |
| C                  | Additional Items               | \$ 326,493.75          | \$ 374,919.73          |                        |                        | \$ 329,304.49          |
| D                  | Construction                   | \$ 2,678,152.21        | \$ 3,711,647.44        | \$ 2,722,369.75        | \$ 4,389,295.30        | \$ 3,987,904.26        |
| <b>TOTAL A - D</b> |                                | <b>\$ 3,122,484.66</b> | <b>\$ 4,249,879.66</b> | <b>\$ 3,114,390.99</b> | <b>\$ 4,984,834.89</b> | <b>\$ 4,492,676.54</b> |
| E                  | CONTINGENCY                    |                        |                        |                        |                        |                        |
|                    | Contingency (15% of D)         | \$ 401,722.83          | \$ 556,747.12          | \$ 408,355.46          | \$ 658,394.30          | \$ 598,185.64          |
| F                  | PROJECT BUDGET                 |                        |                        |                        |                        |                        |
|                    | Total Estimate                 | \$ 3,524,207.49        | \$ 4,806,626.77        | \$ 3,522,746.46        | \$ 5,643,229.18        | \$ 5,090,862.18        |

**Notes:**

- 1 Cost does not include southern leg of intersection IN-2, IN-4, IN-6
- 2 Design cost - Not included in interim estimate except for IN-18 & IN-20 (completed in CG140690)
- 3 Site establishment - Taken as 2.5% of construction cost with upper limit of \$100,000
- 4 Soft spot rectification - Taken as 20% of sub-base pavement
- 5 Rock excavation - Assume 50% of sub-base pavement
- 6 Pavement - Assume deep lift asphalt pavement
- 7 Subsoil drains - Assume same as kerb and channel
- 8 Drainage - Assume 375 DIA RCP
- 9 Side entry pits - Based on 50m intervals
- 10 Light pole - Based on 70m intervals
- 11 Existing road - Existing asphalt roads to be demolished as part of intersection works
- 12 Substation - No allowance for substations
- 13 Tree planting - Based on 80m intervals

AUTHOR: J.Ly

Date: 18/10/2016

REVIEWER: R.Henry

Date: 18/10/2016

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

18 October 2016

Version 6

**Interim Intersection Project Cost**

| ITEM               | DESCRIPTION                    | IN-22                  | IN-23                  | IN-24                  | IN-26                  | IN-31                  |
|--------------------|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| A                  | Project and Program Management | \$ 128,134.56          | \$ 79,345.95           | \$ 103,674.75          | \$ 161,758.09          | \$ 156,243.18          |
| B                  | Design and Investigation       | \$ -                   | \$ -                   | \$ -                   | \$ -                   | \$ -                   |
| C                  | Additional Items               | \$ 295,948.58          | \$ 229,190.73          | \$ 289,484.05          | \$ 372,888.41          | \$ 352,181.43          |
| D                  | Construction                   | \$ 2,912,149.18        | \$ 1,803,317.02        | \$ 2,356,244.31        | \$ 3,676,320.16        | \$ 3,550,981.39        |
| <b>TOTAL A - D</b> |                                | <b>\$ 3,336,232.33</b> | <b>\$ 2,111,853.70</b> | <b>\$ 2,749,403.11</b> | <b>\$ 4,210,966.65</b> | <b>\$ 4,059,406.00</b> |
| E                  | CONTINGENCY                    |                        |                        |                        |                        |                        |
|                    | Contingency (15% of D)         | \$ 436,822.38          | \$ 270,497.55          | \$ 353,436.65          | \$ 551,448.02          | \$ 532,647.21          |
| F                  | PROJECT BUDGET                 |                        |                        |                        |                        |                        |
|                    | Total Estimate                 | \$ 3,773,054.70        | \$ 2,382,351.25        | \$ 3,102,839.75        | \$ 4,762,414.67        | \$ 4,592,053.20        |

**Notes:**

- 1 Cost does not include southern leg of intersection IN-2, IN-4, IN-6
- 2 Design cost - Not included in interim estimate except for IN-18 & IN-20 (completed in CG140690)
- 3 Site establishment - Taken as 2.5% of construction cost with upper limit of \$100,000
- 4 Soft spot rectification - Taken as 20% of sub-base pavement
- 5 Rock excavation - Assume 50% of sub-base pavement
- 6 Pavement - Assume deep lift asphalt pavement
- 7 Subsoil drains - Assume same as kerb and channel
- 8 Drainage - Assume 375 DIA RCP
- 9 Side entry pits - Based on 50m intervals
- 10 Light pole - Based on 70m intervals
- 11 Existing road - Existing asphalt roads to be demolished as part of intersection works
- 12 Substation - No allowance for substations
- 13 Tree planting - Based on 80m intervals

AUTHOR: J.Ly

Date: 18/10/2016

REVIEWER: R.Henry

Date: 18/10/2016

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

18 October 2016

Version 6

**Interim Intersection Project Cost**

| ITEM        | DESCRIPTION                    | IN-32           | IN-33           | TOTAL             |
|-------------|--------------------------------|-----------------|-----------------|-------------------|
| A           | Project and Program Management | \$ 97,708.78    | \$ 71,988.96    | \$ 3,413,879.51   |
| B           | Design and Investigation       | \$ -            | \$ -            | \$ -              |
| C           | Additional Items               | \$ 324,687.62   | \$ 212,076.48   | \$ 7,835,686.41   |
| D           | Construction                   | \$ 2,220,654.19 | \$ 1,636,112.65 | \$ 77,685,909.48  |
| TOTAL A - D |                                | \$ 2,643,050.59 | \$ 1,920,178.09 | \$ 89,614,423.48  |
| E           | CONTINGENCY                    |                 |                 |                   |
|             | Contingency (15% of D)         | \$ 333,098.13   | \$ 245,416.90   | \$ 11,652,886.42  |
| F           | PROJECT BUDGET                 |                 |                 |                   |
|             | Total Estimate                 | \$ 2,976,148.72 | \$ 2,165,594.98 | \$ 101,267,309.90 |

**Notes:**

- 1 Cost does not include southern leg of intersection IN-2, IN-4, IN-6
- 2 Design cost - Not included in interim estimate except for IN-18 & IN-20 (completed in CG140690)
- 3 Site establishment - Taken as 2.5% of construction cost with upper limit of \$100,000
- 4 Soft spot rectification - Taken as 20% of sub-base pavement
- 5 Rock excavation - Assume 50% of sub-base pavement
- 6 Pavement - Assume deep lift asphalt pavement
- 7 Subsoil drains - Assume same as kerb and channel
- 8 Drainage - Assume 375 DIA RCP
- 9 Side entry pits - Based on 50m intervals
- 10 Light pole - Based on 70m intervals
- 11 Existing road - Existing asphalt roads to be demolished as part of intersection works
- 12 Substation - No allowance for substations
- 13 Tree planting - Based on 80m intervals

AUTHOR: J.Ly

Date: 18/10/2016

REVIEWER: R.Henry

Date: 18/10/2016

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-01

PM %: 8.80%

18 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                 | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|----------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                      |                        | <b>\$ 246,291.79</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%                | \$ 147,775.08          |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%                | \$ 98,516.72           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                      |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                  |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                      |                        | <b>\$ 670,920.07</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 100,000.00</b> | <b>\$ 100,000.00</b>   | <b>\$ 100,000.00</b>   |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                      |                        | <b>\$ 289,000.00</b>   |
| 2.1                | Relocating Power Pole (HV)                                        | 16       | No          | \$ 7,500.00          | \$ 120,000.00          |                        |
| 2.2                | Relocating communication pole                                     | 8        | No          | \$ 3,000.00          | \$ 24,000.00           |                        |
| 2.3                | Telecom conduiting                                                | 800      | Lm          | \$ 150.00            | \$ 120,000.00          |                        |
| 2.4                | Telecom cabling (re-pulling)                                      | 1        | Item        | \$ 25,000.00         | \$ 25,000.00           |                        |
| 2.5                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00          | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                      |                        | <b>\$ 281,920.07</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 181,920.07        | \$ 181,920.07          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00        | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                      | <b>\$ 5,597,540.74</b> | <b>\$ 5,597,540.74</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                      |                        | <b>\$ 130,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00          | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 80,000.00         | \$ 80,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                      |                        | <b>\$ 254,520.00</b>   |
| 2.1                | Trees                                                             | 8        | No          | \$ 500.00            | \$ 4,000.00            |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 144,000.00        | \$ 144,000.00          |                        |
| 2.3                | Breakout of existing kerb & channel                               | 621      | Lm          | \$ 45.00             | \$ 27,945.00           |                        |
| 2.4                | Demolition of existing pedestrian footpath                        | 65       | Lm          | \$ 55.00             | \$ 3,575.00            |                        |
| 2.5                | Demolition of existing building                                   | 1        | Item        | \$ 50,000.00         | \$ 50,000.00           |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 25,000.00         | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                      |                        | <b>\$ 1,063,883.24</b> |
| 3.1                | Stripping topsoil (150mm)                                         | 31,000   | m²          | \$ 6.00              | \$ 186,000.00          |                        |
| 3.2                | Cutting                                                           | 5,248    | m³          | \$ 15.00             | \$ 78,724.49           |                        |
| 3.3                | Filling and compact                                               | 2,884    | m³          | \$ 12.00             | \$ 34,609.35           |                        |
| 3.4                | Cart off excess material                                          | 2,364    | m³          | \$ 15.00             | \$ 35,462.81           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 3,557    | m³          | \$ 30.00             | \$ 106,695.60          |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 8,891    | m²          | \$ 70.00             | \$ 622,391.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                      |                        | <b>\$ 2,603,502.00</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 15,430   | m²          | \$ 105.00            | \$ 1,620,150.00        |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 17,783   | m²          | \$ 45.00             | \$ 800,217.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 1,263    | m²          | \$ 145.00            | \$ 183,135.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                      |                        | <b>\$ 416,420.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 2,614    | Lm          | \$ 30.00             | \$ 78,420.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 1,400    | Lm          | \$ 170.00            | \$ 238,000.00          |                        |
| 5.3                | Side entry pits                                                   | 40       | No          | \$ 2,500.00          | \$ 100,000.00          |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                      |                        | <b>\$ 483,920.00</b>   |
| 6.1                | Kerb & channel                                                    | 2,614    | Lm          | \$ 50.00             | \$ 130,700.00          |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 1,851    | Lm          | \$ 130.00            | \$ 240,630.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | -        | Lm          | \$ 65.00             | \$ -                   |                        |
| 6.4                | Laybacks and tactile pavers                                       | 20       | No          | \$ 850.00            | \$ 17,000.00           |                        |
| 6.5                | Concrete island infill                                            | 390      | m²          | \$ 120.00            | \$ 46,800.00           |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 574      | m²          | \$ 85.00             | \$ 48,790.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                      |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 27,500.00         | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 28,000.00         | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 65,000.00         | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 25,000.00         | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 82,500.00         | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 15,000.00         | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 48,000.00         | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 11,000.00         | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                      |                        | <b>\$ 217,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 8        | No          | \$ 8,000.00          | \$ 64,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 4        | No          | \$ 9,000.00          | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                               | 8        | No          | \$ 4,000.00          | \$ 32,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00          | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 50,000.00         | \$ 50,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 35,000.00         | \$ 35,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                      |                        | <b>\$ 68,295.50</b>    |
| 9.1                | Topsoiling seeding                                                | 7,623    | m²          | \$ 8.50              | \$ 64,795.50           |                        |
| 9.2                | Tree planting                                                     | 14       | No          | \$ 250.00            | \$ 3,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                      |                        | <b>\$ 58,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 18,000.00         | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 40,000.00         | \$ 40,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                      | <b>\$ 6,514,752.61</b> | <b>\$ 6,514,752.61</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                      |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                      | 15%                    | <b>\$ 839,631.11</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                      |                        |                        |
|                    | Total Estimate                                                    |          |             |                      |                        | <b>\$ 7,354,383.72</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-02

PM %: 8.80%

18 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT           | RATE          | AMOUNT          | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|----------------|---------------|-----------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |                |               |                 | <b>\$ 131,465.22</b>   |
|                    | Project Management                                                |          | 3.00%          | 2.64%         | \$ 78,879.13    |                        |
|                    | Program Administration                                            |          | 2.00%          | 1.76%         | \$ 52,586.09    |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |                |               |                 | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A            | N/A           |                 |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |                |               |                 | <b>\$ 421,301.14</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | 1        | Item           | \$ 74,696.15  | \$ 74,696.15    | \$ 74,696.15           |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |                |               |                 | \$ 149,500.00          |
| 2.1                | Relocating Power Pole (HV)                                        | 6        | No             | \$ 7,500.00   | \$ 45,000.00    |                        |
| 2.2                | Relocating communication pole                                     | 520      | Lm             | \$ 150.00     | \$ 78,000.00    |                        |
| 2.3                | Telecom cabling (re-pulling)                                      | 1        | Item           | \$ 25,000.00  | \$ 25,000.00    |                        |
| 2.4                | Remove redundant telecom pole                                     | 1        | No             | \$ 1,500.00   | \$ 1,500.00     |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |                |               |                 | \$ 197,104.99          |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item           | \$ 97,104.99  | \$ 97,104.99    |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item           | \$ 100,000.00 | \$ 100,000.00   |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |                |               | \$ 2,987,845.85 | <b>\$ 2,987,845.85</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |                |               |                 | \$ 90,000.00           |
| 1.1                | Site management & supervision including QA                        | 20       | weeks          | \$ 2,500.00   | \$ 50,000.00    |                        |
| 1.2                | Provision for traffic                                             | 1        | Item           | \$ 40,000.00  | \$ 40,000.00    |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |                |               |                 | \$ 44,500.00           |
| 2.1                | Trees                                                             | 14       | No             | \$ 500.00     | \$ 7,000.00     |                        |
| 2.2                | Demolition of existing Road                                       | 1        | item           | \$ 37,500.00  | \$ 37,500.00    |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |                |               |                 | \$ 530,591.10          |
| 3.1                | Stripping topsoil (150mm)                                         | 18,260   | m <sup>2</sup> | \$ 6.00       | \$ 109,560.00   |                        |
| 3.2                | Cutting                                                           | 2,648    | m <sup>3</sup> | \$ 15.00      | \$ 39,720.00    |                        |
| 3.3                | Filling and compact                                               | 1,457    | m <sup>3</sup> | \$ 12.00      | \$ 17,484.00    |                        |
| 3.4                | Cart off excess material                                          | 1,191    | m <sup>3</sup> | \$ 15.00      | \$ 17,865.00    |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,688    | m <sup>3</sup> | \$ 30.00      | \$ 50,628.60    |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 4,219    | m <sup>2</sup> | \$ 70.00      | \$ 295,333.50   |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |                |               |                 | \$ 1,309,045.50        |
| 4.1                | Deep lift asphalt 195 mm                                          | 6,999    | m <sup>2</sup> | \$ 105.00     | \$ 734,895.00   |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 8,438    | m <sup>2</sup> | \$ 55.00      | \$ 464,095.50   |                        |
| 4.3                | Shoulder - full depth pavement                                    | 759      | m <sup>2</sup> | \$ 145.00     | \$ 110,055.00   |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |                |               |                 | \$ 270,050.00          |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,599    | Lm             | \$ 30.00      | \$ 47,970.00    |                        |
| 5.2                | 375 RCP (class 2)                                                 | 924      | Lm             | \$ 170.00     | \$ 157,080.00   |                        |
| 5.3                | Side entry pits                                                   | 26       | No             | \$ 2,500.00   | \$ 65,000.00    |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |                |               |                 | \$ 215,485.00          |
| 6.1                | Kerb & channel                                                    | 1,599    | Lm             | \$ 50.00      | \$ 79,950.00    |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 568      | Lm             | \$ 130.00     | \$ 73,840.00    |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 311      | Lm             | \$ 65.00      | \$ 20,215.00    |                        |
| 6.4                | Laybacks and tactile pavers                                       | 12       | No             | \$ 850.00     | \$ 10,200.00    |                        |
| 6.5                | 10m concrete maintenance area end of all islands                  | 368      | m <sup>2</sup> | \$ 85.00      | \$ 31,280.00    |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |                |               |                 | \$ 302,000.00          |
| 7.1                | General items                                                     | 1        | Item           | \$ 27,500.00  | \$ 27,500.00    |                        |
| 7.2                | Conduits                                                          | 1        | Item           | \$ 28,000.00  | \$ 28,000.00    |                        |
| 7.3                | Pedestals                                                         | 1        | Item           | \$ 65,000.00  | \$ 65,000.00    |                        |
| 7.4                | Lanterns                                                          | 1        | Item           | \$ 25,000.00  | \$ 25,000.00    |                        |
| 7.5                | Controller                                                        | 1        | Item           | \$ 82,500.00  | \$ 82,500.00    |                        |
| 7.6                | Detectors                                                         | 1        | Item           | \$ 15,000.00  | \$ 15,000.00    |                        |
| 7.7                | Cabling & connections                                             | 1        | Item           | \$ 48,000.00  | \$ 48,000.00    |                        |
| 7.8                | Clean-up                                                          | 1        | Item           | \$ 11,000.00  | \$ 11,000.00    |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |                |               |                 | \$ 146,000.00          |
| 8.1                | Light pole (1-way) and luminous lights                            | 6        | No             | \$ 8,000.00   | \$ 48,000.00    |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 3        | No             | \$ 9,000.00   | \$ 27,000.00    |                        |
| 8.3                | JUP lighting single                                               | 4        | No             | \$ 4,000.00   | \$ 16,000.00    |                        |
| 8.4                | JUP lighting dual                                                 |          | No             | \$ 5,000.00   | \$ -            |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item           | \$ 35,000.00  | \$ 35,000.00    |                        |
| 8.6                | Electrical connection                                             | 1        | Item           | \$ 20,000.00  | \$ 20,000.00    |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |                |               |                 | \$ 30,174.25           |
| 9.1                | Topsoiling seeding                                                | 3,021    | m <sup>2</sup> | \$ 8.50       | \$ 25,674.25    |                        |
| 9.2                | Tree planting                                                     | 18       | No             | \$ 250.00     | \$ 4,500.00     |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |                |               |                 | \$ 50,000.00           |
| 10.1               | Signing                                                           | 1        | item           | \$ 15,000.00  | \$ 15,000.00    |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item           | \$ 35,000.00  | \$ 35,000.00    |                        |
| <b>TOTAL A - D</b> |                                                                   |          |                |               | \$ 3,540,612.20 | <b>\$ 3,540,612.20</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |                |               |                 |                        |
|                    | Contingency (15% of D)                                            |          |                |               | 15%             | \$ 448,176.88          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |                |               |                 |                        |
|                    | Total Estimate                                                    |          |                |               |                 | <b>\$ 3,988,789.08</b> |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-04

PM %: 8.80%

18 October 2016  
Version 6

Interim Intersection Project Cost

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT           | RATE          | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|----------------|---------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |                |               |                        | <b>\$ 138,392.79</b>   |
|                    | Project Management                                                |          | 3.00%          | 2.64%         | \$ 83,035.67           |                        |
|                    | Program Administration                                            |          | 2.00%          | 1.76%         | \$ 55,357.11           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |                |               |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A            | N/A           |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |                |               |                        | <b>\$ 456,354.21</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | 1        | Item           | \$ 78,632.26  | \$ 78,632.26           | \$ 78,632.26           |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |                |               |                        | <b>\$ 175,500.00</b>   |
| 2.1                | Relocating Power Pole (HV)                                        | 5        | No             | \$ 7,500.00   | \$ 37,500.00           |                        |
| 2.2                | Relocating communication pole                                     | 10       | No             | \$ 3,500.00   | \$ 35,000.00           |                        |
| 2.3                | Relocating light pole                                             |          | No             | \$ 3,000.00   | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                | 520      | Lm             | \$ 150.00     | \$ 78,000.00           |                        |
| 2.5                | Telecom cabling (re-pulling)                                      | 1        | Item           | \$ 25,000.00  | \$ 25,000.00           |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No             | \$ 1,500.00   | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |                |               |                        | <b>\$ 202,221.94</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item           | \$ 102,221.94 | \$ 102,221.94          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item           | \$ 100,000.00 | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |                |               | <b>\$ 3,145,290.59</b> | <b>\$ 3,145,290.59</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |                |               |                        | <b>\$ 100,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks          | \$ 2,500.00   | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item           | \$ 50,000.00  | \$ 50,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |                |               |                        | <b>\$ 136,500.00</b>   |
| 2.1                | Trees                                                             | 85       | No             | \$ 500.00     | \$ 42,500.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item           | \$ 74,000.00  | \$ 74,000.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm             | \$ 45.00      | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm             | \$ 55.00      | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item           | \$ 50,000.00  | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item           | \$ 20,000.00  | \$ 20,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |                |               |                        | <b>\$ 529,619.84</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 19,510   | m <sup>2</sup> | \$ 6.00       | \$ 117,060.00          |                        |
| 3.2                | Cutting                                                           | 2,401    | m <sup>3</sup> | \$ 15.00      | \$ 36,020.41           |                        |
| 3.3                | Filling and compact                                               | 1,320    | m <sup>3</sup> | \$ 12.00      | \$ 15,835.51           |                        |
| 3.4                | Cart off excess material                                          | 1,082    | m <sup>3</sup> | \$ 15.00      | \$ 16,226.02           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,680    | m <sup>3</sup> | \$ 30.00      | \$ 50,411.40           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 4,201    | m <sup>2</sup> | \$ 70.00      | \$ 294,066.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |                |               |                        | <b>\$ 1,337,819.50</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 7,060    | m <sup>2</sup> | \$ 105.00     | \$ 741,300.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 8,402    | m <sup>2</sup> | \$ 55.00      | \$ 462,104.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 927      | m <sup>2</sup> | \$ 145.00     | \$ 134,415.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |                |               |                        | <b>\$ 273,610.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,491    | Lm             | \$ 30.00      | \$ 44,730.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 964      | Lm             | \$ 170.00     | \$ 163,880.00          |                        |
| 5.3                | Side entry pits                                                   | 26       | No             | \$ 2,500.00   | \$ 65,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |                |               |                        | <b>\$ 210,620.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,491    | Lm             | \$ 50.00      | \$ 74,550.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 683      | Lm             | \$ 130.00     | \$ 88,790.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 186      | Lm             | \$ 65.00      | \$ 12,090.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 10       | No             | \$ 850.00     | \$ 8,500.00            |                        |
| 6.5                | Concrete island infill                                            | -        | m <sup>2</sup> | \$ 120.00     | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 314      | m <sup>2</sup> | \$ 85.00      | \$ 26,690.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |                |               |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item           | \$ 27,500.00  | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item           | \$ 28,000.00  | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item           | \$ 65,000.00  | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item           | \$ 25,000.00  | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item           | \$ 82,500.00  | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item           | \$ 15,000.00  | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item           | \$ 48,000.00  | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item           | \$ 11,000.00  | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |                |               |                        | <b>\$ 168,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 7        | No             | \$ 8,000.00   | \$ 56,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 3        | No             | \$ 9,000.00   | \$ 27,000.00           |                        |
| 8.3                | JUP lighting single                                               | 5        | No             | \$ 4,000.00   | \$ 20,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No             | \$ 5,000.00   | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item           | \$ 40,000.00  | \$ 40,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item           | \$ 25,000.00  | \$ 25,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |                |               |                        | <b>\$ 34,121.25</b>    |
| 9.1                | Topsoiling seeding                                                | 3,603    | m <sup>2</sup> | \$ 8.50       | \$ 30,621.25           |                        |
| 9.2                | Tree planting                                                     | 14       | No             | \$ 250.00     | \$ 3,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |                |               |                        | <b>\$ 53,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item           | \$ 18,000.00  | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item           | \$ 35,000.00  | \$ 35,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |                |               | <b>\$ 3,740,037.58</b> | <b>\$ 3,740,037.58</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |                |               |                        |                        |
|                    | Contingency (15% of D)                                            |          |                |               | 15%                    | \$ 471,793.59          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |                |               |                        |                        |
|                    | Total Estimate                                                    |          |                |               |                        | <b>\$ 4,211,831.17</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-05 (APA)

PM %: 8.80%

18 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                                  | QUANTITY | UNIT  | RATE          | AMOUNT          | SUBTOTAL               |
|--------------------|------------------------------------------------------------------------------|----------|-------|---------------|-----------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                                        |          |       |               |                 | <b>\$ 236,049.71</b>   |
|                    | Project Management                                                           |          | 3.00% | 2.64%         | \$ 141,629.83   |                        |
|                    | Program Administration                                                       |          | 2.00% | 1.76%         | \$ 94,419.89    |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                              |          |       |               |                 | <b>\$ -</b>            |
|                    | Completed in pre-interim                                                     |          | N/A   | N/A           |                 |                        |
| <b>C</b>           | <b>Additional Items</b>                                                      |          |       |               |                 | <b>\$ 583,854.90</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                                    | 1        | Item  | \$ 100,000.00 | \$ 100,000.00   | \$ 100,000.00          |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                                    |          |       |               |                 | \$ 209,500.00          |
| 2.1                | Relocating Power Pole (HV)                                                   | 7        | No    | \$ 7,500.00   | \$ 52,500.00    |                        |
| 2.2                | Relocating communication pole                                                | 12       | No    | \$ 3,500.00   | \$ 42,000.00    |                        |
| 2.3                | Relocating light pole                                                        |          | No    | \$ 3,000.00   | \$ -            |                        |
| 2.4                | Telecom conduiting                                                           | 600      | Lm    | \$ 150.00     | \$ 90,000.00    |                        |
| 2.5                | Telecom cabling (re-pulling)                                                 | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                        |
| 2.6                | Remove redundant telecom pole                                                |          | No    | \$ 1,500.00   | \$ -            |                        |
| <b>3</b>           | <b>VicRoads</b>                                                              |          |       |               |                 | \$ 274,354.90          |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)                 | 1        | Item  | \$ 174,354.90 | \$ 174,354.90   |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                              | 1        | Item  | \$ 100,000.00 | \$ 100,000.00   |                        |
| <b>D</b>           | <b>Construction</b>                                                          |          |       |               | \$ 5,364,766.25 | <b>\$ 5,364,766.25</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                         |          |       |               |                 | \$ 100,000.00          |
| 1.1                | Site management & supervision including QA                                   | 20       | weeks | \$ 2,500.00   | \$ 50,000.00    |                        |
| 1.2                | Provision for traffic                                                        | 1        | Item  | \$ 50,000.00  | \$ 50,000.00    |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                            |          |       |               |                 | \$ 139,700.00          |
| 2.1                | Trees                                                                        | 42       | No    | \$ 500.00     | \$ 21,000.00    |                        |
| 2.2                | Demolition of existing Road                                                  | 1        | Item  | \$ 93,700.00  | \$ 93,700.00    |                        |
| 2.3                | Breakout of existing kerb & channel                                          |          | Lm    | \$ 45.00      | \$ -            |                        |
| 2.4                | Demolition of existing pedestrian footpath                                   |          | Lm    | \$ 55.00      | \$ -            |                        |
| 2.5                | Demolition of existing building                                              |          | Item  | \$ 50,000.00  | \$ -            |                        |
| 2.6                | Demolition of existing fence                                                 | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                            |          |       |               |                 | \$ 974,712.12          |
| 3.1                | Stripping topsoil (150mm)                                                    | 35,470   | m²    | \$ 6.00       | \$ 212,820.00   |                        |
| 3.2                | Cutting                                                                      | 4,451    | m³    | \$ 15.00      | \$ 66,760.20    |                        |
| 3.3                | Filling and compact                                                          | 2,446    | m³    | \$ 12.00      | \$ 29,349.53    |                        |
| 3.4                | Cart off excess material                                                     | 2,005    | m³    | \$ 15.00      | \$ 30,073.29    |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                                      | 3,101    | m³    | \$ 30.00      | \$ 93,030.60    |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                              | 7,753    | m²    | \$ 70.00      | \$ 542,678.50   |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                              |          |       |               |                 | \$ 2,249,569.50        |
| 4.1                | Deep lift asphalt 195 mm                                                     | 13,085   | m²    | \$ 105.00     | \$ 1,373,925.00 |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                             | 15,505   | m²    | \$ 45.00      | \$ 697,729.50   |                        |
| 4.3                | Shoulder - full depth pavement                                               | 1,227    | m²    | \$ 145.00     | \$ 177,915.00   |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                              |          |       |               |                 | \$ 422,070.00          |
| 5.1                | Subsoil drains 100mm dia - screenings                                        | 2,689    | Lm    | \$ 30.00      | \$ 80,670.00    |                        |
| 5.2                | 375 RCP (class 2)                                                            | 1,420    | Lm    | \$ 170.00     | \$ 241,400.00   |                        |
| 5.3                | Side entry pits                                                              | 40       | No    | \$ 2,500.00   | \$ 100,000.00   |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                        |          |       |               |                 | \$ 432,195.00          |
| 6.1                | Kerb & channel                                                               | 2,689    | Lm    | \$ 50.00      | \$ 134,450.00   |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)                  | 1,900    | Lm    | \$ 130.00     | \$ 247,000.00   |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA)            | -        | Lm    | \$ 65.00      | \$ -            |                        |
| 6.4                | Laybacks and tactile pavers                                                  | 16       | No    | \$ 850.00     | \$ 13,600.00    |                        |
| 6.5                | Concrete island infill                                                       | -        | m²    | \$ 120.00     | \$ -            |                        |
| 6.6                | 10m concrete maintenance area end of all islands                             | 437      | m²    | \$ 85.00      | \$ 37,145.00    |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                  |          |       |               |                 | \$ 302,000.00          |
| 7.1                | General items                                                                | 1        | Item  | \$ 27,500.00  | \$ 27,500.00    |                        |
| 7.2                | Conduits                                                                     | 1        | Item  | \$ 28,000.00  | \$ 28,000.00    |                        |
| 7.3                | Pedestals                                                                    | 1        | Item  | \$ 65,000.00  | \$ 65,000.00    |                        |
| 7.4                | Lanterns                                                                     | 1        | Item  | \$ 25,000.00  | \$ 25,000.00    |                        |
| 7.5                | Controller                                                                   | 1        | Item  | \$ 82,500.00  | \$ 82,500.00    |                        |
| 7.6                | Detectors                                                                    | 1        | Item  | \$ 15,000.00  | \$ 15,000.00    |                        |
| 7.7                | Cabling & connections                                                        | 1        | Item  | \$ 48,000.00  | \$ 48,000.00    |                        |
| 7.8                | Clean-up                                                                     | 1        | Item  | \$ 11,000.00  | \$ 11,000.00    |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                                  |          |       |               |                 | \$ 275,000.00          |
| 8.1                | Light pole (1-way) and luminous lights                                       | 17       | No    | \$ 8,000.00   | \$ 136,000.00   |                        |
| 8.2                | Light pole (2-way) and luminous lights                                       | 4        | No    | \$ 9,000.00   | \$ 36,000.00    |                        |
| 8.3                | JUP lighting single                                                          | 7        | No    | \$ 4,000.00   | \$ 28,000.00    |                        |
| 8.4                | JUP lighting dual                                                            |          | No    | \$ 5,000.00   | \$ -            |                        |
| 8.5                | Cabling, conduits and pits                                                   | 1        | Item  | \$ 45,000.00  | \$ 45,000.00    |                        |
| 8.6                | Electrical connection                                                        | 1        | Item  | \$ 30,000.00  | \$ 30,000.00    |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                                     |          |       |               |                 | \$ 72,584.75           |
| 9.1                | Topsoiling seeding                                                           | 7,834    | m²    | \$ 8.50       | \$ 66,584.75    |                        |
| 9.2                | Tree planting                                                                | 24       | No    | \$ 250.00     | \$ 6,000.00     |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                           |          |       |               |                 | \$ 53,000.00           |
| 10.1               | Signing                                                                      | 1        | item  | \$ 18,000.00  | \$ 18,000.00    |                        |
| 10.2               | Linemarking (Thermoplastic)                                                  | 1        | item  | \$ 35,000.00  | \$ 35,000.00    |                        |
| <b>11</b>          | <b>TRANSMISSION PIPELINE</b>                                                 |          |       |               |                 | \$ 343,935             |
| 11.1               | Clay excavation for transmission pipeline                                    | 347      | m³    | \$ 45         | \$ 15,594       |                        |
| 11.2               | Hand excavation for rock around transmission pipeline (extra over allowance) | 147      | m     | \$ 1,050      | \$ 154,350      |                        |
| 11.3               | Wrap for transmission pipeline                                               | 147      | m     | \$ 500        | \$ 73,500       |                        |
| 11.4               | Backfill stabilisation sand for transmission pipeline                        | 347      | m³    | \$ 150        | \$ 51,981       |                        |
| 11.5               | Transmission pipeline slab protection 200mm                                  | 294      | m²    | \$ 165        | \$ 48,510       |                        |
| <b>TOTAL A - D</b> |                                                                              |          |       |               | \$ 6,184,670.86 | <b>\$ 6,184,670.86</b> |
| <b>E</b>           | <b>Contingency</b>                                                           |          |       |               |                 |                        |
|                    | Contingency (15% of D)                                                       |          |       |               | 15%             | \$ 804,714.94          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                                        |          |       |               |                 |                        |
|                    | Total Estimate                                                               |          |       |               |                 | \$ 6,989,385.80        |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-06

PM %: 8.80%

18 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT           | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|----------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |                |                     |                        | <b>\$ 148,168.05</b>   |
|                    | Project Management                                                |          | 3.00%          | 2.64%               | \$ 88,900.83           |                        |
|                    | Program Administration                                            |          | 2.00%          | 1.76%               | \$ 59,267.22           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |                |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A            | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |                |                     |                        | <b>\$ 457,628.70</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b>    | <b>\$ 84,186.39</b> | <b>\$ 84,186.39</b>    | <b>\$ 84,186.39</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |                |                     |                        | <b>\$ 164,000.00</b>   |
| 2.1                | Relocating Power Pole (HV)                                        | 5        | No             | \$ 7,500.00         | \$ 37,500.00           |                        |
| 2.2                | Relocating communication pole                                     | 8        | No             | \$ 3,500.00         | \$ 28,000.00           |                        |
| 2.3                | Relocating light pole                                             |          | No             | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                | 490      | Lm             | \$ 150.00           | \$ 73,500.00           |                        |
| 2.5                | Telecom cabling (re-pulling)                                      | 1        | Item           | \$ 25,000.00        | \$ 25,000.00           |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No             | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |                |                     |                        | <b>\$ 209,442.31</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item           | \$ 109,442.31       | \$ 109,442.31          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item           | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |                |                     | <b>\$ 3,367,455.64</b> | <b>\$ 3,367,455.64</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |                |                     |                        | <b>\$ 100,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks          | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item           | \$ 50,000.00        | \$ 50,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |                |                     |                        | <b>\$ 104,300.00</b>   |
| 2.1                | Trees                                                             | -        | No             | \$ 500.00           | \$ -                   |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item           | \$ 79,300.00        | \$ 79,300.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm             | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm             | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item           | \$ 50,000.00        | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item           | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |                |                     |                        | <b>\$ 598,964.89</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 19,640   | m <sup>2</sup> | \$ 6.00             | \$ 117,840.00          |                        |
| 3.2                | Cutting                                                           | 2,884    | m <sup>3</sup> | \$ 15.00            | \$ 43,255.10           |                        |
| 3.3                | Filling and compact                                               | 1,585    | m <sup>3</sup> | \$ 12.00            | \$ 19,016.07           |                        |
| 3.4                | Cart off excess material                                          | 1,299    | m <sup>3</sup> | \$ 15.00            | \$ 19,485.01           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,948    | m <sup>3</sup> | \$ 30.00            | \$ 58,444.20           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 4,870    | m <sup>2</sup> | \$ 70.00            | \$ 340,924.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |                |                     |                        | <b>\$ 1,559,473.50</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 8,478    | m <sup>2</sup> | \$ 105.00           | \$ 890,190.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 9,741    | m <sup>2</sup> | \$ 55.00            | \$ 535,738.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 921      | m <sup>2</sup> | \$ 145.00           | \$ 133,545.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |                |                     |                        | <b>\$ 267,980.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,403    | Lm             | \$ 30.00            | \$ 42,090.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 917      | Lm             | \$ 170.00           | \$ 155,890.00          |                        |
| 5.3                | Side entry pits                                                   | 28       | No             | \$ 2,500.00         | \$ 70,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |                |                     |                        | <b>\$ 188,210.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,403    | Lm             | \$ 50.00            | \$ 70,150.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 567      | Lm             | \$ 130.00           | \$ 73,710.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 205      | Lm             | \$ 65.00            | \$ 13,325.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 12       | No             | \$ 850.00           | \$ 10,200.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m <sup>2</sup> | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 245      | m <sup>2</sup> | \$ 85.00            | \$ 20,825.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |                |                     |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item           | \$ 27,500.00        | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item           | \$ 28,000.00        | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item           | \$ 65,000.00        | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item           | \$ 25,000.00        | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item           | \$ 82,500.00        | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item           | \$ 15,000.00        | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item           | \$ 48,000.00        | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item           | \$ 11,000.00        | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |                |                     |                        | <b>\$ 162,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 5        | No             | \$ 8,000.00         | \$ 40,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 3        | No             | \$ 9,000.00         | \$ 27,000.00           |                        |
| 8.3                | JUP lighting single                                               | 5        | No             | \$ 4,000.00         | \$ 20,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No             | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item           | \$ 45,000.00        | \$ 45,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item           | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |                |                     |                        | <b>\$ 31,527.25</b>    |
| 9.1                | Topsoiling seeding                                                | 3,239    | m <sup>2</sup> | \$ 8.50             | \$ 27,527.25           |                        |
| 9.2                | Tree planting                                                     | 16       | No             | \$ 250.00           | \$ 4,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |                |                     |                        | <b>\$ 53,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item           | \$ 18,000.00        | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item           | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |                |                     | <b>\$ 3,973,252.38</b> | <b>\$ 3,973,252.38</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |                |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |                |                     | 15%                    | <b>\$ 505,118.35</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |                |                     |                        |                        |
|                    | Total Estimate                                                    |          |                |                     |                        | <b>\$ 4,478,370.73</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-07

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                 | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|----------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                      |                        | <b>\$ 183,477.87</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%                | \$ 110,086.72          |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%                | \$ 73,391.15           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                      |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                  |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                      |                        | <b>\$ 418,023.43</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 100,000.00</b> | <b>\$ 100,000.00</b>   | <b>\$ 100,000.00</b>   |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                      |                        | <b>\$ 82,500.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 11       | No          | \$ 7,500.00          | \$ 82,500.00           |                        |
| 2.2                | Relocating communication pole                                     |          | No          | \$ 3,500.00          | \$ -                   |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00          | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00            | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00         | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00          | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                      |                        | <b>\$ 235,523.43</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 135,523.43        | \$ 135,523.43          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00        | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                      | <b>\$ 4,169,951.55</b> | <b>\$ 4,169,951.55</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                      |                        | <b>\$ 100,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00          | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 50,000.00         | \$ 50,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                      |                        | <b>\$ 218,120.00</b>   |
| 2.1                | Trees                                                             | 120      | No          | \$ 500.00            | \$ 60,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 78,120.00         | \$ 78,120.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00             | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00             | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   | 1        | Item        | \$ 50,000.00         | \$ 50,000.00           |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00         | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                      |                        | <b>\$ 732,489.30</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 22,670   | m²          | \$ 6.00              | \$ 136,020.00          |                        |
| 3.2                | Cutting                                                           | 2,976    | m³          | \$ 15.00             | \$ 44,640.00           |                        |
| 3.3                | Filling and compact                                               | 2,083    | m³          | \$ 12.00             | \$ 24,998.40           |                        |
| 3.4                | Cart off excess material                                          | 893      | m³          | \$ 15.00             | \$ 13,392.00           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 2,505    | m³          | \$ 30.00             | \$ 75,137.40           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 6,261    | m²          | \$ 70.00             | \$ 438,301.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                      |                        | <b>\$ 1,848,559.50</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 10,416   | m²          | \$ 105.00            | \$ 1,093,680.00        |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 12,523   | m²          | \$ 55.00             | \$ 688,759.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 456      | m²          | \$ 145.00            | \$ 66,120.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                      |                        | <b>\$ 301,730.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 2,341    | Lm          | \$ 30.00             | \$ 70,230.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 950      | Lm          | \$ 170.00            | \$ 161,500.00          |                        |
| 5.3                | Side entry pits                                                   | 28       | No          | \$ 2,500.00          | \$ 70,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                      |                        | <b>\$ 361,665.00</b>   |
| 6.1                | Kerb & channel                                                    | 2,341    | Lm          | \$ 50.00             | \$ 117,050.00          |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 1,120    | Lm          | \$ 130.00            | \$ 145,600.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 510      | Lm          | \$ 65.00             | \$ 33,150.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 18       | No          | \$ 850.00            | \$ 15,300.00           |                        |
| 6.5                | Concrete island infill                                            | 177      | m²          | \$ 120.00            | \$ 21,240.00           |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 345      | m²          | \$ 85.00             | \$ 29,325.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                      |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 27,500.00         | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 28,000.00         | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 65,000.00         | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 25,000.00         | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 82,500.00         | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 15,000.00         | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 48,000.00         | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 11,000.00         | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                      |                        | <b>\$ 199,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 6        | No          | \$ 8,000.00          | \$ 48,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 4        | No          | \$ 9,000.00          | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                               | 10       | No          | \$ 4,000.00          | \$ 40,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00          | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 45,000.00         | \$ 45,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 30,000.00         | \$ 30,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                      |                        | <b>\$ 53,387.75</b>    |
| 9.1                | Topsoiling seeding                                                | 5,752    | m²          | \$ 8.50              | \$ 48,887.75           |                        |
| 9.2                | Tree planting                                                     | 18       | No          | \$ 250.00            | \$ 4,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                      |                        | <b>\$ 53,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 18,000.00         | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 35,000.00         | \$ 35,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                      | <b>\$ 4,771,452.84</b> | <b>\$ 4,771,452.84</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                      |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                      | 15%                    | <b>\$ 625,492.73</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                      |                        |                        |
|                    | Total Estimate                                                    |          |             |                      |                        | <b>\$ 5,396,945.58</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-08

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                 | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|----------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                      |                        | <b>\$ 195,489.14</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%                | \$ 117,293.48          |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%                | \$ 78,195.65           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                      |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                  |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                      |                        | <b>\$ 426,895.38</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 100,000.00</b> | <b>\$ 100,000.00</b>   | <b>\$ 100,000.00</b>   |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                      |                        | <b>\$ 82,500.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 11       | No          | \$ 7,500.00          | \$ 82,500.00           |                        |
| 2.2                | Relocating communication pole                                     |          | No          | \$ 3,500.00          | \$ -                   |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00          | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00            | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00         | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00          | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                      |                        | <b>\$ 244,395.38</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 144,395.38        | \$ 144,395.38          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00        | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                      | <b>\$ 4,442,934.91</b> | <b>\$ 4,442,934.91</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                      |                        | <b>\$ 100,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00          | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 50,000.00         | \$ 50,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                      |                        | <b>\$ 304,550.00</b>   |
| 2.1                | Trees                                                             | 100      | No          | \$ 500.00            | \$ 50,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 74,550.00         | \$ 74,550.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00             | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00             | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   | 1        | Item        | \$ 150,000.00        | \$ 150,000.00          |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00         | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                      |                        | <b>\$ 774,161.16</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 24,805   | m²          | \$ 6.00              | \$ 148,830.00          |                        |
| 3.2                | Cutting                                                           | 3,091    | m³          | \$ 15.00             | \$ 46,371.43           |                        |
| 3.3                | Filling and compact                                               | 2,164    | m³          | \$ 12.00             | \$ 25,968.00           |                        |
| 3.4                | Cart off excess material                                          | 927      | m³          | \$ 15.00             | \$ 13,911.43           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 2,630    | m³          | \$ 30.00             | \$ 78,889.80           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 6,574    | m²          | \$ 70.00             | \$ 460,190.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                      |                        | <b>\$ 1,928,421.50</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 10,820   | m²          | \$ 105.00            | \$ 1,136,100.00        |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 13,148   | m²          | \$ 55.00             | \$ 723,156.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 477      | m²          | \$ 145.00            | \$ 69,165.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                      |                        | <b>\$ 340,600.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 2,587    | Lm          | \$ 30.00             | \$ 77,610.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 1,047    | Lm          | \$ 170.00            | \$ 177,990.00          |                        |
| 5.3                | Side entry pits                                                   | 34       | No          | \$ 2,500.00          | \$ 85,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                      |                        | <b>\$ 378,920.00</b>   |
| 6.1                | Kerb & channel                                                    | 2,587    | Lm          | \$ 50.00             | \$ 129,350.00          |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 1,194    | Lm          | \$ 130.00            | \$ 155,220.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 450      | Lm          | \$ 65.00             | \$ 29,250.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 18       | No          | \$ 850.00            | \$ 15,300.00           |                        |
| 6.5                | Concrete island infill                                            | 177      | m²          | \$ 120.00            | \$ 21,240.00           |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 336      | m²          | \$ 85.00             | \$ 28,560.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                      |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 27,500.00         | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 28,000.00         | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 65,000.00         | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 25,000.00         | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 82,500.00         | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 15,000.00         | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 48,000.00         | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 11,000.00         | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                      |                        | <b>\$ 203,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 9        | No          | \$ 8,000.00          | \$ 72,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 4        | No          | \$ 9,000.00          | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                               | 5        | No          | \$ 4,000.00          | \$ 20,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00          | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 45,000.00         | \$ 45,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 30,000.00         | \$ 30,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                      |                        | <b>\$ 58,282.25</b>    |
| 9.1                | Topsoiling seeding                                                | 6,269    | m²          | \$ 8.50              | \$ 53,282.25           |                        |
| 9.2                | Tree planting                                                     | 20       | No          | \$ 250.00            | \$ 5,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                      |                        | <b>\$ 53,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 18,000.00         | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 35,000.00         | \$ 35,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                      | <b>\$ 5,065,319.43</b> | <b>\$ 5,065,319.43</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                      |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                      | 15%                    | \$ 666,440.24          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                      |                        |                        |
|                    | Total Estimate                                                    |          |             |                      |                        | <b>\$ 5,731,759.66</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-09

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                 | AMOUNT                 | SUBTOTAL                |
|--------------------|-------------------------------------------------------------------|----------|-------------|----------------------|------------------------|-------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                      |                        | <b>\$ 369,516.93</b>    |
|                    | Project Management                                                |          | 3.00%       | 2.64%                | \$ 221,710.16          |                         |
|                    | Program Administration                                            |          | 2.00%       | 1.76%                | \$ 147,806.77          |                         |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                      |                        | <b>\$ -</b>             |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                  |                        |                         |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                      |                        | <b>\$ 700,938.64</b>    |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 100,000.00</b> | <b>\$ 100,000.00</b>   | <b>\$ 100,000.00</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                      |                        | <b>\$ 228,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 25       | No          | \$ 7,500.00          | \$ 187,500.00          |                         |
| 2.2                | Relocating communication pole                                     | 9        | No          | \$ 3,500.00          | \$ 31,500.00           |                         |
| 2.3                | Relocating light pole                                             | 3        | No          | \$ 3,000.00          | \$ 9,000.00            |                         |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00            | \$ -                   |                         |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00         | \$ -                   |                         |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00          | \$ -                   |                         |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                      |                        | <b>\$ 372,938.64</b>    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 272,938.64        | \$ 272,938.64          |                         |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00        | \$ 100,000.00          |                         |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                      | <b>\$ 8,398,112.15</b> | <b>\$ 8,398,112.15</b>  |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                      |                        | <b>\$ 150,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00          | \$ 50,000.00           |                         |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 100,000.00        | \$ 100,000.00          |                         |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                      |                        | <b>\$ 394,175.00</b>    |
| 2.1                | Trees                                                             | 40       | No          | \$ 500.00            | \$ 20,000.00           |                         |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 201,000.00        | \$ 201,000.00          |                         |
| 2.3                | Breakout of existing kerb & channel                               | 515      | Lm          | \$ 45.00             | \$ 23,175.00           |                         |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00             | \$ -                   |                         |
| 2.5                | Demolition of existing building                                   | 1        | Item        | \$ 100,000.00        | \$ 100,000.00          |                         |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 50,000.00         | \$ 50,000.00           |                         |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                      |                        | <b>\$ 2,478,134.90</b>  |
| 3.1                | Stripping topsoil (150mm)                                         | 34,605   | m²          | \$ 6.00              | \$ 207,630.00          |                         |
| 3.2                | Cutting                                                           | 42,744   | m³          | \$ 15.00             | \$ 641,160.00          |                         |
| 3.3                | Filling and compact                                               | 3,305    | m³          | \$ 12.00             | \$ 39,660.00           |                         |
| 3.4                | Cart off excess material                                          | 39,439   | m³          | \$ 15.00             | \$ 591,585.00          |                         |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 4,869    | m³          | \$ 30.00             | \$ 146,063.40          |                         |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 12,172   | m²          | \$ 70.00             | \$ 852,036.50          |                         |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                      |                        | <b>\$ 3,465,850.50</b>  |
| 4.1                | Deep lift asphalt 195 mm                                          | 20,545   | m²          | \$ 105.00            | \$ 2,157,225.00        |                         |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 24,344   | m²          | \$ 45.00             | \$ 1,095,475.50        |                         |
| 4.3                | Shoulder - full depth pavement                                    | 1,470    | m²          | \$ 145.00            | \$ 213,150.00          |                         |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                      |                        | <b>\$ 532,260.00</b>    |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 4,221    | Lm          | \$ 30.00             | \$ 126,630.00          |                         |
| 5.2                | 375 RCP (class 2)                                                 | 1,739    | Lm          | \$ 170.00            | \$ 295,630.00          |                         |
| 5.3                | Side entry pits                                                   | 44       | No          | \$ 2,500.00          | \$ 110,000.00          |                         |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                      |                        | <b>\$ 585,965.00</b>    |
| 6.1                | Kerb & channel                                                    | 4,221    | Lm          | \$ 50.00             | \$ 211,050.00          |                         |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 2,377    | Lm          | \$ 130.00            | \$ 309,010.00          |                         |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 313      | Lm          | \$ 65.00             | \$ 20,345.00           |                         |
| 6.4                | Laybacks and tactile pavers                                       | 16       | No          | \$ 850.00            | \$ 13,600.00           |                         |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00            | \$ -                   |                         |
| 6.6                | 10m concrete maintenance area end of all islands                  | 376      | m²          | \$ 85.00             | \$ 31,960.00           |                         |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                      |                        | <b>\$ 302,000.00</b>    |
| 7.1                | General items                                                     | 1        | Item        | \$ 27,500.00         | \$ 27,500.00           |                         |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 28,000.00         | \$ 28,000.00           |                         |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 65,000.00         | \$ 65,000.00           |                         |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 25,000.00         | \$ 25,000.00           |                         |
| 7.5                | Controller                                                        | 1        | Item        | \$ 82,500.00         | \$ 82,500.00           |                         |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 15,000.00         | \$ 15,000.00           |                         |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 48,000.00         | \$ 48,000.00           |                         |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 11,000.00         | \$ 11,000.00           |                         |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                      |                        | <b>\$ 329,000.00</b>    |
| 8.1                | Light pole (1-way) and luminous lights                            | 11       | No          | \$ 8,000.00          | \$ 88,000.00           |                         |
| 8.2                | Light pole (2-way) and luminous lights                            | 4        | No          | \$ 9,000.00          | \$ 36,000.00           |                         |
| 8.3                | JUP lighting single                                               | 25       | No          | \$ 4,000.00          | \$ 100,000.00          |                         |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00          | \$ -                   |                         |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 60,000.00         | \$ 60,000.00           |                         |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 45,000.00         | \$ 45,000.00           |                         |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                      |                        | <b>\$ 102,726.75</b>    |
| 9.1                | Topsoiling seeding                                                | 11,086   | m²          | \$ 8.50              | \$ 94,226.75           |                         |
| 9.2                | Tree planting                                                     | 34       | No          | \$ 250.00            | \$ 8,500.00            |                         |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                      |                        | <b>\$ 58,000.00</b>     |
| 10.1               | Signing                                                           | 1        | item        | \$ 18,000.00         | \$ 18,000.00           |                         |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 40,000.00         | \$ 40,000.00           |                         |
| <b>TOTAL A - D</b> |                                                                   |          |             |                      | <b>\$ 9,468,567.73</b> | <b>\$ 9,468,567.73</b>  |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                      |                        |                         |
|                    | Contingency (15% of D)                                            |          |             |                      | 15%                    | <b>\$ 1,259,716.82</b>  |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                      |                        |                         |
|                    | Total Estimate                                                    |          |             |                      |                        | <b>\$ 10,728,284.55</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-10

PM %: 8.80%

18 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 104,448.32</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 62,668.99           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 41,779.33           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 296,494.96</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 59,345.63</b> | <b>\$ 59,345.63</b>    | <b>\$ 59,345.63</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 60,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 8        | No          | \$ 7,500.00         | \$ 60,000.00           |                        |
| 2.2                | Relocating communication pole                                     |          | No          | \$ 3,500.00         | \$ -                   |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 177,149.33</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 77,149.33        | \$ 77,149.33           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 2,373,825.39</b> | <b>\$ 2,373,825.39</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 90,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 98,550.00</b>    |
| 2.1                | Trees                                                             | 10       | No          | \$ 500.00           | \$ 5,000.00            |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 53,550.00        | \$ 53,550.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 614,422.14</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 8,610    | m²          | \$ 6.00             | \$ 51,660.00           |                        |
| 3.2                | Cutting                                                           | 10,374   | m³          | \$ 15.00            | \$ 155,610.00          |                        |
| 3.3                | Filling and compact                                               | 830      | m³          | \$ 12.00            | \$ 9,959.04            |                        |
| 3.4                | Cart off excess material                                          | 9,544    | m³          | \$ 15.00            | \$ 143,161.20          |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,239    | m³          | \$ 30.00            | \$ 37,175.40           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 3,098    | m²          | \$ 70.00            | \$ 216,856.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 885,409.50</b>   |
| 4.1                | Deep lift asphalt 195 mm                                          | 5,187    | m²          | \$ 105.00           | \$ 544,635.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 6,196    | m²          | \$ 55.00            | \$ 340,774.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | -        | m²          | \$ 145.00           | \$ -                   |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 171,210.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,121    | Lm          | \$ 30.00            | \$ 33,630.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 574      | Lm          | \$ 170.00           | \$ 97,580.00           |                        |
| 5.3                | Side entry pits                                                   | 16       | No          | \$ 2,500.00         | \$ 40,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 136,995.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,121    | Lm          | \$ 50.00            | \$ 56,050.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 438      | Lm          | \$ 130.00           | \$ 56,940.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 232      | Lm          | \$ 65.00            | \$ 15,080.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 6        | No          | \$ 850.00           | \$ 5,100.00            |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 45       | m²          | \$ 85.00            | \$ 3,825.00            |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 93,000.00</b>    |
| 8.1                | Light pole (1-way) and luminous lights                            | 4        | No          | \$ 8,000.00         | \$ 32,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 8.3                | JUP lighting single                                               | 4        | No          | \$ 4,000.00         | \$ 16,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 24,738.75</b>    |
| 9.1                | Topsoiling seeding                                                | 2,558    | m²          | \$ 8.50             | \$ 21,738.75           |                        |
| 9.2                | Tree planting                                                     | 12       | No          | \$ 250.00           | \$ 3,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 33,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 20,000.00        | \$ 20,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 2,774,768.67</b> | <b>\$ 2,774,768.67</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 356,073.81</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 3,130,842.48</b> |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-13

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 96,493.70</b>    |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 57,896.22           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 38,597.48           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 296,099.72</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 54,825.96</b> | <b>\$ 54,825.96</b>    | <b>\$ 54,825.96</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 70,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 7        | No          | \$ 7,500.00         | \$ 52,500.00           |                        |
| 2.2                | Relocating communication pole                                     | 5        | No          | \$ 3,500.00         | \$ 17,500.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 171,273.75</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 71,273.75        | \$ 71,273.75           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 2,193,038.56</b> | <b>\$ 2,193,038.56</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 100,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 50,000.00        | \$ 50,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 98,850.00</b>    |
| 2.1                | Trees                                                             | 50       | No          | \$ 500.00           | \$ 25,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 43,850.00        | \$ 43,850.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 368,475.06</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 12,280   | m²          | \$ 6.00             | \$ 73,680.00           |                        |
| 3.2                | Cutting                                                           | 1,696    | m³          | \$ 15.00            | \$ 25,438.78           |                        |
| 3.3                | Filling and compact                                               | 932      | m³          | \$ 12.00            | \$ 11,183.55           |                        |
| 3.4                | Cart off excess material                                          | 764      | m³          | \$ 15.00            | \$ 11,459.34           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,203    | m³          | \$ 30.00            | \$ 36,104.40           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 3,009    | m²          | \$ 70.00            | \$ 210,609.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 900,597.00</b>   |
| 4.1                | Deep lift asphalt 195 mm                                          | 4,986    | m²          | \$ 105.00           | \$ 523,530.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 6,017    | m²          | \$ 55.00            | \$ 330,957.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 318      | m²          | \$ 145.00           | \$ 46,110.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 178,370.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,146    | Lm          | \$ 30.00            | \$ 34,380.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 597      | Lm          | \$ 170.00           | \$ 101,490.00          |                        |
| 5.3                | Side entry pits                                                   | 17       | No          | \$ 2,500.00         | \$ 42,500.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 167,200.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,146    | Lm          | \$ 50.00            | \$ 57,300.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 555      | Lm          | \$ 130.00           | \$ 72,150.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 110      | Lm          | \$ 65.00            | \$ 7,150.00            |                        |
| 6.4                | Laybacks and tactile pavers                                       | 12       | No          | \$ 850.00           | \$ 10,200.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 240      | m²          | \$ 85.00            | \$ 20,400.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 90,000.00</b>    |
| 8.1                | Light pole (1-way) and luminous lights                            | 2        | No          | \$ 8,000.00         | \$ 16,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 1        | No          | \$ 9,000.00         | \$ 9,000.00            |                        |
| 8.3                | JUP lighting single                                               | 5        | No          | \$ 4,000.00         | \$ 20,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 27,046.50</b>    |
| 9.1                | Topsoiling seeding                                                | 2,829    | m²          | \$ 8.50             | \$ 24,046.50           |                        |
| 9.2                | Tree planting                                                     | 12       | No          | \$ 250.00           | \$ 3,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 36,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 23,000.00        | \$ 23,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 2,585,631.98</b> | <b>\$ 2,585,631.98</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 328,955.78</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 2,914,587.76</b> |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-14

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 117,838.70</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 70,703.22           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 47,135.48           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 326,493.75</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 66,953.81</b> | <b>\$ 66,953.81</b>    | <b>\$ 66,953.81</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 72,500.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 5        | No          | \$ 7,500.00         | \$ 37,500.00           |                        |
| 2.2                | Relocating communication pole                                     | 10       | No          | \$ 3,500.00         | \$ 35,000.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 187,039.95</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 87,039.95        | \$ 87,039.95           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 2,678,152.21</b> | <b>\$ 2,678,152.21</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 90,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 107,980.00</b>   |
| 2.1                | Trees                                                             | 60       | No          | \$ 500.00           | \$ 30,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 42,980.00        | \$ 42,980.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 439,859.21</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 16,670   | m²          | \$ 6.00             | \$ 100,020.00          |                        |
| 3.2                | Cutting                                                           | 1,951    | m³          | \$ 15.00            | \$ 29,270.41           |                        |
| 3.3                | Filling and compact                                               | 1,072    | m³          | \$ 12.00            | \$ 12,868.04           |                        |
| 3.4                | Cart off excess material                                          | 879      | m³          | \$ 15.00            | \$ 13,185.36           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,388    | m³          | \$ 30.00            | \$ 41,636.40           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 3,470    | m²          | \$ 70.00            | \$ 242,879.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 1,141,087.00</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 5,737    | m²          | \$ 105.00           | \$ 602,385.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 6,939    | m²          | \$ 55.00            | \$ 381,667.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 1,083    | m²          | \$ 145.00           | \$ 157,035.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 231,100.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,336    | Lm          | \$ 30.00            | \$ 40,080.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 756      | Lm          | \$ 170.00           | \$ 128,520.00          |                        |
| 5.3                | Side entry pits                                                   | 25       | No          | \$ 2,500.00         | \$ 62,500.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 246,150.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,336    | Lm          | \$ 50.00            | \$ 66,800.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 1,026    | Lm          | \$ 130.00           | \$ 133,380.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 192      | Lm          | \$ 65.00            | \$ 12,480.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 8        | No          | \$ 850.00           | \$ 6,800.00            |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 314      | m²          | \$ 85.00            | \$ 26,690.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 121,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 7        | No          | \$ 8,000.00         | \$ 56,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 8.3                | JUP lighting single                                               | 5        | No          | \$ 4,000.00         | \$ 20,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 38,476.00</b>    |
| 9.1                | Topsoiling seeding                                                | 4,056    | m²          | \$ 8.50             | \$ 34,476.00           |                        |
| 9.2                | Tree planting                                                     | 16       | No          | \$ 250.00           | \$ 4,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 36,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 23,000.00        | \$ 23,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 3,122,484.66</b> | <b>\$ 3,122,484.66</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 401,722.83</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 3,524,207.49</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-15

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 163,312.49</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 97,987.49           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 65,324.99           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 374,919.73</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 92,791.19</b> | <b>\$ 92,791.19</b>    | <b>\$ 92,791.19</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 61,500.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 4        | No          | \$ 7,500.00         | \$ 30,000.00           |                        |
| 2.2                | Relocating communication pole                                     | 9        | No          | \$ 3,500.00         | \$ 31,500.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 220,628.54</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 120,628.54       | \$ 120,628.54          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 3,711,647.44</b> | <b>\$ 3,711,647.44</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 90,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 91,300.00</b>    |
| 2.1                | Trees                                                             | 30       | No          | \$ 500.00           | \$ 15,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 41,300.00        | \$ 41,300.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 704,133.94</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 28,475   | m²          | \$ 6.00             | \$ 170,850.00          |                        |
| 3.2                | Cutting                                                           | 3,230    | m³          | \$ 15.00            | \$ 48,454.08           |                        |
| 3.3                | Filling and compact                                               | 1,775    | m³          | \$ 12.00            | \$ 21,301.68           |                        |
| 3.4                | Cart off excess material                                          | 1,455    | m³          | \$ 15.00            | \$ 21,826.98           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 2,155    | m³          | \$ 30.00            | \$ 64,639.20           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 5,387    | m²          | \$ 70.00            | \$ 377,062.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 1,760,231.00</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 9,497    | m²          | \$ 105.00           | \$ 997,185.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 10,773   | m²          | \$ 55.00            | \$ 592,526.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 1,176    | m²          | \$ 145.00           | \$ 170,520.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 257,360.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,418    | Lm          | \$ 30.00            | \$ 42,540.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 896      | Lm          | \$ 170.00           | \$ 152,320.00          |                        |
| 5.3                | Side entry pits                                                   | 25       | No          | \$ 2,500.00         | \$ 62,500.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 296,195.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,418    | Lm          | \$ 50.00            | \$ 70,900.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 1,344    | Lm          | \$ 130.00           | \$ 174,720.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | -        | Lm          | \$ 65.00            | \$ -                   |                        |
| 6.4                | Laybacks and tactile pavers                                       | 12       | No          | \$ 850.00           | \$ 10,200.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 475      | m²          | \$ 85.00            | \$ 40,375.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 203,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 14       | No          | \$ 8,000.00         | \$ 112,000.00          |                        |
| 8.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 8.3                | JUP lighting single                                               | 4        | No          | \$ 4,000.00         | \$ 16,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 45,000.00        | \$ 45,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 44,927.50</b>    |
| 9.1                | Topsoiling seeding                                                | 4,815    | m²          | \$ 8.50             | \$ 40,927.50           |                        |
| 9.2                | Tree planting                                                     | 16       | No          | \$ 250.00           | \$ 4,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 38,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 4,249,879.66</b> | <b>\$ 4,249,879.66</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 556,747.12</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 4,806,626.77</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS

V160221T

Wollert PSP

IN-18

PM %: 9.00%

18 October 2016

Version 6

| ITEM               | DESCRIPTION                                                                                           | QUANTITY | UNIT           | RATE       | AMOUNT              | SUBTOTAL             |
|--------------------|-------------------------------------------------------------------------------------------------------|----------|----------------|------------|---------------------|----------------------|
| <b>A</b>           | <b>Project and Program Management (%)</b>                                                             |          |                |            |                     | <b>\$ 122,507</b>    |
|                    | <b>Project Management</b>                                                                             |          | 3.00%          | 2.70%      | \$ 73,504           |                      |
|                    | Project scoping, planning, scheduling, monitoring, reporting and commissioning                        |          |                |            |                     |                      |
|                    | Management of preconstruction activities, development of tender documents and management of contracts |          |                |            |                     |                      |
|                    | Managing external interfaces, including community liaison, environmental issues, traffic issues etc   |          |                |            |                     |                      |
|                    | Records management                                                                                    |          |                |            |                     |                      |
|                    | <b>Program Administration</b>                                                                         |          | 2.00%          | 1.80%      | \$ 49,003           |                      |
| <b>B</b>           | <b>Design and Investigation (%)</b>                                                                   |          |                |            |                     | <b>\$ 269,515</b>    |
|                    | Traffic Investigations                                                                                |          | 0.85%          | 0.77%      | \$ 20,826           |                      |
|                    | Cadastral and Engineering Survey                                                                      |          | 1.20%          | 1.08%      | \$ 29,402           |                      |
|                    | Geotechnical investigations Pavement Investigations and Design                                        |          | 1.20%          | 1.08%      | \$ 29,402           |                      |
|                    | Environmental Investigations                                                                          |          |                | 0.00%      | \$ -                |                      |
|                    | Landscape Design                                                                                      |          | 1.00%          | 0.90%      | \$ 24,501           |                      |
|                    | Preliminary and Final Design                                                                          |          | 4.25%          | 3.83%      | \$ 104,131          |                      |
|                    | Construction Management                                                                               |          | 2.50%          | 2.25%      | \$ 61,253           |                      |
| <b>C</b>           | <b>Construction</b>                                                                                   |          |                |            | \$ 2,722,370        | <b>\$ 2,722,370</b>  |
| <b>1</b>           |                                                                                                       |          |                |            |                     | <b>\$ 113,000</b>    |
| 1.1                | Site establishment                                                                                    | 1        | Item           | \$ 68,000  | \$ 68,000           |                      |
| 1.2                | Site management & supervision including QA                                                            | 14       | wks            | \$ 2,500   | \$ 35,000           |                      |
| 1.3                | Provision for traffic                                                                                 | 1        | Item           | \$ 10,000  | \$ 10,000           |                      |
| <b>2</b>           | <b>DEMOLITION</b>                                                                                     |          |                |            |                     | <b>\$ 7,000</b>      |
| 2.1                | Trees                                                                                                 | 4        | No             | \$ 500     | \$ 2,000            |                      |
| 2.2                | Dry stone wall demolition & make good                                                                 | 1        | item           | \$ 5,000   | \$ 5,000            |                      |
| <b>3</b>           | <b>EARTHWORKS</b>                                                                                     |          |                |            |                     | <b>\$ 1,070,921</b>  |
| 3.1                | Stripping topsoil (150mm)                                                                             | 1,581    | m <sup>2</sup> | \$ 6       | \$ 9,486            |                      |
| 3.2                | Excavation and removal                                                                                | 325      | m <sup>3</sup> | \$ 30      | \$ 9,750            |                      |
| 3.3                | Filling                                                                                               | 13,150   | m <sup>3</sup> | \$ 15      | \$ 197,250          |                      |
| 3.4                | Import Fill material                                                                                  | 12,825   | m <sup>3</sup> | \$ 45      | \$ 577,125          |                      |
| 3.5                | Additional Cut and Fill allowance                                                                     | 2,790    | m <sup>3</sup> | \$ 30      | \$ 83,700           |                      |
| 3.6                | Soft spot rectification                                                                               | 1,019    | m <sup>3</sup> | \$ 15      | \$ 15,285           |                      |
| 3.7                | Rock excavation & sub-surface remediation 450mm                                                       | 2,548    | m <sup>2</sup> | \$ 70      | \$ 178,325          |                      |
| <b>4</b>           | <b>PAVEMENT</b>                                                                                       |          |                |            |                     | <b>\$ 708,100</b>    |
| 4.1                | Deep lift asphalt 195 mm                                                                              | 4,075    | m <sup>2</sup> | \$ 105     | \$ 427,875          |                      |
| 4.2                | Subbase course - 250 mm 3% CTCR                                                                       | 5,095    | m <sup>2</sup> | \$ 55      | \$ 280,225          |                      |
| 4.3                | Shoulder 1m wide - full depth pavement                                                                | -        | m              | \$ 145     | \$ -                |                      |
| <b>5</b>           | <b>DRAINAGE</b>                                                                                       |          |                |            |                     | <b>\$ 158,700</b>    |
| 5.1                | Subsoil drains 100mm dia - screenings                                                                 | 1,020    | Lm             | \$ 30      | \$ 30,600           |                      |
| 5.2                | Subsoil drains 100mm dia - no fines conc                                                              | -        | Lm             | \$ 45      | \$ -                |                      |
| 5.3                | 375 RCP (class 2)                                                                                     | 380      | Lm             | \$ 170     | \$ 64,600           |                      |
| 5.4                | Side entry pits                                                                                       | 13       | No             | \$ 2,500   | \$ 32,500           |                      |
| 5.5                | Allowance to modify drainage to ultimate location                                                     | 1        | item           | \$ 31,000  | \$ 31,000           |                      |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                                                 |          |                |            |                     | <b>\$ 172,975</b>    |
| 6.1                | Kerb & channel                                                                                        | 1,020    | Lm             | \$ 50      | \$ 51,000           |                      |
| 6.2                | Shared Paths (3.0m wide, 125 mm, residential, as per MPA)                                             | 390      | Lm             | \$ 130     | \$ 50,700           |                      |
| 6.3                | Footpaths (1.5m wide, 125 mm, residential, as per MPA)                                                | 185      | Lm             | \$ 65      | \$ 12,025           |                      |
| 6.4                | Laybacks and tactile pavers                                                                           | 6        | No             | \$ 850     | \$ 5,100            |                      |
| 6.5                | 10m concrete maintenance area end of all islands                                                      | 270      | m <sup>2</sup> | \$ 85      | \$ 22,950           |                      |
| 6.6                | Additional Shared Paths                                                                               | 240      | Lm             | \$ 130     | \$ 31,200           |                      |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                                           |          |                |            |                     | <b>\$ 237,500</b>    |
| 7.1                | General items                                                                                         | 1        | Item           | \$ 23,000  | \$ 23,000           |                      |
| 7.2                | Conduits                                                                                              | 1        | Item           | \$ 18,000  | \$ 18,000           |                      |
| 7.3                | Pedestals                                                                                             | 1        | Item           | \$ 45,000  | \$ 45,000           |                      |
| 7.4                | Lanterns                                                                                              | 1        | Item           | \$ 18,000  | \$ 18,000           |                      |
| 7.5                | Controller                                                                                            | 1        | Item           | \$ 75,000  | \$ 75,000           |                      |
| 7.6                | Detectors                                                                                             | 1        | Item           | \$ 9,500   | \$ 9,500            |                      |
| 7.7                | Cabling & connections                                                                                 | 1        | Item           | \$ 40,000  | \$ 40,000           |                      |
| 7.8                | Clean-up                                                                                              | 1        | Item           | \$ 9,000   | \$ 9,000            |                      |
| <b>8</b>           | <b>SIGNAL MAINTENANCE (10 YEARS) by Road Authority</b>                                                | 1        | item           | \$ 100,000 | \$ 100,000          | <b>\$ 100,000</b>    |
| <b>9</b>           | <b>POWER &amp; LIGHTING</b>                                                                           |          |                |            |                     | <b>\$ 118,000</b>    |
| 9.1                | Light pole (1-way) and luminous lights                                                                | 3        | No             | \$ 8,000   | \$ 24,000           |                      |
| 9.2                | Light pole (2-way) and luminous lights                                                                | 4        | No             | \$ 9,000   | \$ 36,000           |                      |
| 9.3                | JUP lighting single                                                                                   | 2        | No             | \$ 4,000   | \$ 8,000            |                      |
| 9.4                | JUP lighting dual                                                                                     | 1        | No             | \$ 5,000   | \$ 5,000            |                      |
| 9.5                | Cabling, conduits and pits                                                                            | 1        | Item           | \$ 30,000  | \$ 30,000           |                      |
| 9.6                | Electrical connection                                                                                 | 1        | Item           | \$ 15,000  | \$ 15,000           |                      |
| <b>10</b>          | <b>LANDSCAPING WORKS</b>                                                                              |          |                |            |                     | <b>\$ 8,674</b>      |
| 10.1               | Topsoiling seeding                                                                                    | 668      | m <sup>2</sup> | \$ 8.50    | \$ 5,674            |                      |
| 10.2               | Tree planting                                                                                         | 12       | No             | \$ 250.00  | \$ 3,000            |                      |
| <b>11</b>          | <b>SIGNING</b>                                                                                        |          |                |            |                     | <b>\$ 7,500</b>      |
| 11.1               | NA                                                                                                    |          | item           |            |                     |                      |
| <b>12</b>          | <b>LINEMARKING (Thermoplastic)</b>                                                                    | 1        | item           | \$ 20,000  | \$ 20,000           | <b>\$ 20,000</b>     |
| <b>13</b>          | <b>SERVICE RELOCATION</b>                                                                             |          |                |            |                     | <b>\$ -</b>          |
| 13.1               | NA                                                                                                    |          | item           |            |                     |                      |
| <b>14</b>          | <b>MISCELLANEOUS</b>                                                                                  |          |                |            |                     | <b>\$ -</b>          |
| <b>15</b>          | <b>PROVISIONAL SUM - DAYWORK</b>                                                                      |          | item           |            | \$ -                | <b>\$ -</b>          |
| <b>TOTAL A - C</b> |                                                                                                       |          |                |            | <b>\$ 3,114,391</b> | <b>\$ 3,114,391</b>  |
| <b>D</b>           | <b>Contingency</b>                                                                                    |          |                |            |                     |                      |
|                    | Contingency (15% of C)                                                                                |          |                |            | 15%                 | <b>\$ 408,355.46</b> |
| <b>E</b>           | <b>PROJECT BUDGET</b>                                                                                 |          |                |            |                     |                      |
|                    | <b>Total Estimate</b>                                                                                 |          |                |            |                     | <b>\$ 3,522,746</b>  |

AUTHOR: Asiri Rajapakse  
Date: 26/11/2015

REVIEWER: Rob Henry  
Date: 26/11/2015

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS

18 October 2016

V160221T

Version 6

Wollert PSP

PM %: 8.48%

IN-20

| ITEM               | DESCRIPTION                                                                                           | QUANTITY | UNIT  | RATE       | AMOUNT              | SUBTOTAL            |
|--------------------|-------------------------------------------------------------------------------------------------------|----------|-------|------------|---------------------|---------------------|
| <b>A</b>           | <b>Project and Program Management (%)</b>                                                             |          |       |            |                     | <b>\$ 186,106</b>   |
|                    | <b>Project Management</b>                                                                             |          | 3.00% | 2.54%      | \$ 111,664          |                     |
|                    | Project scoping, planning, scheduling, monitoring, reporting and commissioning                        |          |       |            |                     |                     |
|                    | Management of preconstruction activities, development of tender documents and management of contracts |          |       |            |                     |                     |
|                    | Managing external interfaces, including community liaison, environmental issues, traffic issues etc   |          |       |            |                     |                     |
|                    | Records management                                                                                    |          |       |            |                     |                     |
|                    | <b>Program Administration</b>                                                                         |          | 2.00% | 1.70%      | \$ 74,442           |                     |
| <b>B</b>           | <b>Design and Investigation (%)</b>                                                                   |          |       |            |                     | <b>\$ 409,433</b>   |
|                    | Traffic Investigations                                                                                |          | 0.85% | 0.72%      | \$ 31,638           |                     |
|                    | Cadastral and Engineering Survey                                                                      |          | 1.20% | 1.02%      | \$ 44,665           |                     |
|                    | Geotechnical investigations Pavement Investigations and Design                                        |          | 1.20% | 1.02%      | \$ 44,665           |                     |
|                    | Environmental Investigations                                                                          |          |       | 0.00%      | \$ -                |                     |
|                    | Landscape Design                                                                                      |          | 1.00% | 0.85%      | \$ 37,221           |                     |
|                    | Preliminary and Final Design                                                                          |          | 4.25% | 3.60%      | \$ 158,190          |                     |
|                    | Construction Management                                                                               |          | 2.50% | 2.12%      | \$ 93,053           |                     |
| <b>C</b>           | <b>Construction</b>                                                                                   |          |       |            | <b>\$ 4,389,295</b> | <b>\$ 4,389,295</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                                                  |          |       |            |                     | <b>\$ 165,000</b>   |
| 1.1                | Site establishment                                                                                    | 1        | Item  | \$ 100,000 | \$ 100,000          |                     |
| 1.2                | Site management & supervision including QA                                                            | 22       | wks   | \$ 2,500   | \$ 55,000           |                     |
| 1.3                | Provision for traffic                                                                                 | 1        | Item  | \$ 10,000  | \$ 10,000           |                     |
| <b>2</b>           | <b>DEMOLITION</b>                                                                                     |          |       |            |                     | <b>\$ 27,500</b>    |
| 2.1                | Trees                                                                                                 | 5        | No    | \$ 500     | \$ 2,500            |                     |
| 2.2                | Demolition of Dry Stone fence                                                                         | 1        | item  | \$ 25,000  | \$ 25,000           |                     |
| <b>3</b>           | <b>EARTHWORKS</b>                                                                                     |          |       |            |                     | <b>\$ 1,331,978</b> |
| 3.1                | Stripping topsoil (150mm)                                                                             | 3,230    | m²    | \$ 6       | \$ 19,380           |                     |
| 3.2                | Excavation and removal                                                                                | -        | m³    | \$ 30      | \$ -                |                     |
| 3.3                | Filling                                                                                               | 12,466   | m³    | \$ 15      | \$ 186,990          |                     |
| 3.6                | Import Fill material                                                                                  | 12,466   | m³    | \$ 45      | \$ 560,970          |                     |
| 3.5                | Additional Cut and Fill allowance                                                                     | 6,765    | m³    | \$ 30      | \$ 202,950          |                     |
| 3.6                | Soft spot rectification (reclaimed FCR)                                                               | 1,904    | m³    | \$ 15      | \$ 28,554           |                     |
| 3.7                | Rock excavation & sub-surface remediation 450mm                                                       | 4,759    | m²    | \$ 70      | \$ 333,134          |                     |
| <b>4</b>           | <b>PAVEMENT</b>                                                                                       |          |       |            |                     | <b>\$ 1,411,826</b> |
| 4.1                | Deep lift asphalt 195 mm                                                                              | 7,553    | m²    | \$ 105     | \$ 793,065          |                     |
| 4.2                | Subbase course - 250 mm 3% CTCR                                                                       | 9,518    | m²    | \$ 55      | \$ 523,496          |                     |
| 4.3                | Shoulder 1m wide - full depth pavement                                                                | 657      | m     | \$ 145     | \$ 95,265           |                     |
| <b>5</b>           | <b>DRAINAGE</b>                                                                                       |          |       |            |                     | <b>\$ 475,750</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                                                                 | 2,425    | Lm    | \$ 30      | \$ 72,750           |                     |
| 5.2                | Subsoil drains 100mm dia - no fines conc                                                              | -        | Lm    | \$ 45      | \$ -                |                     |
| 5.3                | 375 RCP (class 2)                                                                                     | 1,200    | Lm    | \$ 170     | \$ 204,000          |                     |
| 5.4                | Side entry pits                                                                                       | 30       | No    | \$ 2,500   | \$ 75,000           |                     |
| 5.5                | Allowance to modify drainage to ultimate location                                                     | 1        | item  | \$ 124,000 | \$ 124,000          |                     |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                                                 |          |       |            |                     | <b>\$ 297,150</b>   |
| 6.1                | Kerb & channel                                                                                        | 1,768    | Lm    | \$ 50      | \$ 88,400           |                     |
| 6.2                | Shared Paths (3.0m wide, 125 mm, residential, as per MPA)                                             | 845      | Lm    | \$ 130     | \$ 109,850          |                     |
| 6.3                | Footpaths (1.5m wide, 125 mm, residential, as per MPA)                                                | 300      | Lm    | \$ 65      | \$ 19,500           |                     |
| 6.4                | Laybacks and tactile pavers                                                                           | 8        | No    | \$ 850     | \$ 6,800            |                     |
| 6.5                | 10m concrete maintenance area end of all islands                                                      | 250      | m²    | \$ 85      | \$ 21,250           |                     |
| 6.6                | Additional Shared Paths                                                                               | 395      | Lm    | \$ 130     | \$ 51,350           |                     |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                                           |          |       |            |                     | <b>\$ 290,000</b>   |
| 7.1                | General items                                                                                         | 1        | Item  | \$ 27,500  | \$ 27,500           |                     |
| 7.2                | Conduits                                                                                              | 1        | Item  | \$ 25,000  | \$ 25,000           |                     |
| 7.3                | Pedestals                                                                                             | 1        | Item  | \$ 60,000  | \$ 60,000           |                     |
| 7.4                | Lanterns                                                                                              | 1        | Item  | \$ 24,000  | \$ 24,000           |                     |
| 7.5                | Controller                                                                                            | 1        | Item  | \$ 82,500  | \$ 82,500           |                     |
| 7.6                | Detectors                                                                                             | 1        | Item  | \$ 15,000  | \$ 15,000           |                     |
| 7.7                | Cabling & connections                                                                                 | 1        | Item  | \$ 45,000  | \$ 45,000           |                     |
| 7.8                | Clean-up                                                                                              | 1        | Item  | \$ 11,000  | \$ 11,000           |                     |
| <b>8</b>           | <b>SIGNAL MAINTENANCE (10 YEARS) by Road Authority</b>                                                | 1        | item  | \$ 100,000 | \$ 100,000          | <b>\$ 100,000</b>   |
| <b>9</b>           | <b>POWER &amp; LIGHTING</b>                                                                           |          |       |            |                     | <b>\$ 221,000</b>   |
| 9.1                | Light pole (1-way) and luminous lights                                                                | 20       | No    | \$ 8,000   | \$ 160,000          |                     |
| 9.2                | Light pole (2-way) and luminous lights                                                                | -        | No    | \$ 9,000   | \$ -                |                     |
| 9.3                | JUP lighting single                                                                                   | 4        | No    | \$ 4,000   | \$ 16,000           |                     |
| 9.4                | JUP lighting dual                                                                                     | -        | No    | \$ 5,000   | \$ -                |                     |
| 9.5                | Cabling, conduits and pits                                                                            | 1        | Item  | \$ 30,000  | \$ 30,000           |                     |
| 9.6                | Electrical connection                                                                                 | 1        | Item  | \$ 15,000  | \$ 15,000           |                     |
| <b>10</b>          | <b>LANDSCAPING WORKS</b>                                                                              |          |       |            |                     | <b>\$ 29,092</b>    |
| 10.1               | Topsoiling seeding                                                                                    | 2,952    | m²    | \$ 8.50    | \$ 25,092           |                     |
| 10.2               | Tree planting                                                                                         | 16       | No    | \$ 250.00  | \$ 4,000            |                     |
| <b>11</b>          | <b>SIGNING</b>                                                                                        | 1        | item  | \$ 10,000  | \$ 10,000           | <b>\$ 10,000</b>    |
| <b>12</b>          | <b>LINEMARKING (Thermoplastic)</b>                                                                    | 1        | item  | \$ 30,000  | \$ 30,000           | <b>\$ 30,000</b>    |
| <b>13</b>          | <b>SERVICE RELOCATION</b>                                                                             |          |       |            |                     | <b>\$ -</b>         |
| 13.1               | NA                                                                                                    |          | item  |            |                     |                     |
| <b>14</b>          | <b>MISCELLANEOUS</b>                                                                                  |          |       |            |                     | <b>\$ -</b>         |
| <b>15</b>          | <b>PROVISIONAL SUM - DAYWORK</b>                                                                      |          | item  |            | \$ -                | <b>\$ -</b>         |
| <b>TOTAL A - C</b> |                                                                                                       |          |       |            | <b>\$ 4,984,835</b> | <b>\$ 4,984,835</b> |
| <b>D</b>           | <b>Contingency</b>                                                                                    |          |       |            |                     |                     |
|                    | Contingency (15% of C)                                                                                |          |       |            | 15%                 | <b>\$ 658,394</b>   |
| <b>E</b>           | <b>PROJECT BUDGET</b>                                                                                 |          |       |            |                     |                     |
|                    | <b>Total Estimate</b>                                                                                 |          |       |            |                     | <b>\$ 5,643,229</b> |

AUTHOR: Asil Rajapakse  
Date: 26/11/2015

REVIEWER: Rob Henry  
Date: 26/11/2015

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-21 (APA)

PM %: 8.80%

18 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                                  | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|------------------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                                        |          |             |                     |                        | <b>\$ 175,467.79</b>   |
|                    | Project Management                                                           |          | 3.00%       | 2.64%               | \$ 105,280.67          |                        |
|                    | Program Administration                                                       |          | 2.00%       | 1.76%               | \$ 70,187.11           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                              |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                                     |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                                      |          |             |                     |                        | <b>\$ 329,304.49</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                                    | <b>1</b> | <b>Item</b> | <b>\$ 99,697.61</b> | <b>\$ 99,697.61</b>    | <b>\$ 99,697.61</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                                    |          |             |                     |                        | <b>\$ -</b>            |
| 2.1                | Relocating Power Pole (HV)                                                   |          | No          | \$ 7,500.00         | \$ -                   |                        |
| 2.2                | Relocating communication pole                                                |          | No          | \$ 3,500.00         | \$ -                   |                        |
| 2.3                | Relocating light pole                                                        |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                           |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                                 |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                                |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                              |          |             |                     |                        | <b>\$ 229,606.89</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)                 | 1        | Item        | \$ 129,606.89       | \$ 129,606.89          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                              | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                                          |          |             |                     | <b>\$ 3,987,904.26</b> | <b>\$ 3,987,904.26</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                         |          |             |                     |                        | <b>\$ 55,000.00</b>    |
| 1.1                | Site management & supervision including QA                                   | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                                        | 1        | Item        | \$ 5,000.00         | \$ 5,000.00            |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                            |          |             |                     |                        | <b>\$ -</b>            |
| 2.1                | Trees                                                                        |          | No          | \$ 500.00           | \$ -                   |                        |
| 2.2                | Demolition of existing Road                                                  |          | Item        | \$ 41,300.00        | \$ -                   |                        |
| 2.3                | Breakout of existing kerb & channel                                          |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                                   |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                              |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                                 |          | Item        | \$ 35,000.00        | \$ -                   |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                            |          |             |                     |                        | <b>\$ 786,889.26</b>   |
| 3.1                | Stripping topsoil (150mm)                                                    | 24,088   | m²          | \$ 6.00             | \$ 144,528.00          |                        |
| 3.2                | Cutting                                                                      | 9,520    | m³          | \$ 15.00            | \$ 142,798.50          |                        |
| 3.3                | Filling and compact                                                          | 1,172    | m³          | \$ 12.00            | \$ 14,060.16           |                        |
| 3.4                | Cart off excess material                                                     | 8,348    | m³          | \$ 15.00            | \$ 125,223.30          |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                                      | 1,757    | m³          | \$ 30.00            | \$ 52,723.80           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                              | 4,394    | m²          | \$ 70.00            | \$ 307,555.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                              |          |             |                     |                        | <b>\$ 1,397,506.50</b> |
| 4.1                | Deep lift asphalt 195 mm                                                     | 7,323    | m²          | \$ 105.00           | \$ 768,915.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                             | 8,787    | m²          | \$ 55.00            | \$ 483,301.50          |                        |
| 4.3                | Shoulder - full depth pavement                                               | 1,002    | m²          | \$ 145.00           | \$ 145,290.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                              |          |             |                     |                        | <b>\$ 259,430.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                                        | 1,627    | Lm          | \$ 30.00            | \$ 48,810.00           |                        |
| 5.2                | 375 RCP (class 2)                                                            | 886      | Lm          | \$ 170.00           | \$ 150,620.00          |                        |
| 5.3                | Side entry pits                                                              | 24       | No          | \$ 2,500.00         | \$ 60,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                        |          |             |                     |                        | <b>\$ 277,255.00</b>   |
| 6.1                | Kerb & channel                                                               | 1,627    | Lm          | \$ 50.00            | \$ 81,350.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)                  | 1,068    | Lm          | \$ 130.00           | \$ 138,840.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA)            | 381      | Lm          | \$ 65.00            | \$ 24,765.00           |                        |
| 6.4                | Laybacks and tactile pavers                                                  | 16       | No          | \$ 850.00           | \$ 13,600.00           |                        |
| 6.5                | Concrete island infill                                                       | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                             | 220      | m²          | \$ 85.00            | \$ 18,700.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                  |          |             |                     |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                                | 1        | Item        | \$ 27,500.00        | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                                     | 1        | Item        | \$ 28,000.00        | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                                    | 1        | Item        | \$ 65,000.00        | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                                     | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| 7.5                | Controller                                                                   | 1        | Item        | \$ 82,500.00        | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                                    | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                                        | 1        | Item        | \$ 48,000.00        | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                                     | 1        | Item        | \$ 11,000.00        | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                                  |          |             |                     |                        | <b>\$ 229,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                                       | 16       | No          | \$ 8,000.00         | \$ 128,000.00          |                        |
| 8.2                | Light pole (2-way) and luminous lights                                       | 4        | No          | \$ 9,000.00         | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                                          |          | No          | \$ 4,000.00         | \$ -                   |                        |
| 8.4                | JUP lighting dual                                                            |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                                   | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| 8.6                | Electrical connection                                                        | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                                     |          |             |                     |                        | <b>\$ 42,900.25</b>    |
| 9.1                | Topsoiling seeding                                                           | 4,577    | m²          | \$ 8.50             | \$ 38,900.25           |                        |
| 9.2                | Tree planting                                                                | 16       | No          | \$ 250.00           | \$ 4,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                           |          |             |                     |                        | <b>\$ 53,000.00</b>    |
| 10.1               | Signing                                                                      | 1        | item        | \$ 18,000.00        | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                                  | 1        | item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>11</b>          | <b>TRANSMISSION PIPELINE</b>                                                 |          |             |                     |                        | <b>\$ 584,923</b>      |
| 11.1               | Clay excavation for transmission pipeline                                    | 589      | m³          | \$ 45               | \$ 26,521              |                        |
| 11.2               | Hand excavation for rock around transmission pipeline (extra over allowance) | 250      | m           | \$ 1,050            | \$ 262,500             |                        |
| 11.3               | Wrap for transmission pipeline                                               | 250      | m           | \$ 500              | \$ 125,000             |                        |
| 11.4               | Backfill stabilisation sand for transmission pipeline                        | 589      | m³          | \$ 150              | \$ 88,403              |                        |
| 11.5               | Transmission pipeline slab protection 200mm                                  | 500      | m²          | \$ 165              | \$ 82,500              |                        |
| <b>TOTAL A - D</b> |                                                                              |          |             |                     | <b>\$ 4,492,676.54</b> | <b>\$ 4,492,676.54</b> |
| <b>E</b>           | <b>Contingency</b>                                                           |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                                       |          |             |                     | 15%                    | \$ 598,185.64          |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                                        |          |             |                     |                        |                        |
|                    | Total Estimate                                                               |          |             |                     |                        | <b>\$ 5,090,862.18</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-22

PM %: 8.80%

18 October 2016  
Version 6

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 128,134.56</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 76,880.74           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 51,253.83           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 295,948.58</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 72,803.73</b> | <b>\$ 72,803.73</b>    | <b>\$ 72,803.73</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 28,500.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 1        | No          | \$ 7,500.00         | \$ 7,500.00            |                        |
| 2.2                | Relocating communication pole                                     | 6        | No          | \$ 3,500.00         | \$ 21,000.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 194,644.85</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 94,644.85        | \$ 94,644.85           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 2,912,149.18</b> | <b>\$ 2,912,149.18</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 85,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 54,300.00</b>    |
| 2.1                | Trees                                                             | 7        | No          | \$ 500.00           | \$ 3,500.00            |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 20,800.00        | \$ 20,800.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 505,537.93</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 17,415   | m²          | \$ 6.00             | \$ 104,490.00          |                        |
| 3.2                | Cutting                                                           | 2,464    | m³          | \$ 15.00            | \$ 36,966.00           |                        |
| 3.3                | Filling and compact                                               | 1,152    | m³          | \$ 12.00            | \$ 13,819.07           |                        |
| 3.4                | Cart off excess material                                          | 1,313    | m³          | \$ 15.00            | \$ 19,692.17           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,613    | m³          | \$ 30.00            | \$ 48,376.20           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 4,031    | m²          | \$ 70.00            | \$ 282,194.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 1,162,128.50</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 6,161    | m²          | \$ 105.00           | \$ 646,905.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 8,063    | m²          | \$ 55.00            | \$ 443,448.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 495      | m²          | \$ 145.00           | \$ 71,775.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 238,510.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 2,113    | Lm          | \$ 30.00            | \$ 63,390.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 736      | Lm          | \$ 170.00           | \$ 125,120.00          |                        |
| 5.3                | Side entry pits                                                   | 20       | No          | \$ 2,500.00         | \$ 50,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 282,935.00</b>   |
| 6.1                | Kerb & channel                                                    | 2,113    | Lm          | \$ 50.00            | \$ 105,650.00          |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 841      | Lm          | \$ 130.00           | \$ 109,330.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 712      | Lm          | \$ 65.00            | \$ 46,280.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 16       | No          | \$ 850.00           | \$ 13,600.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 95       | m²          | \$ 85.00            | \$ 8,075.00            |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 27,500.00        | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 28,000.00        | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 65,000.00        | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 82,500.00        | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 48,000.00        | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 11,000.00        | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 187,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 12       | No          | \$ 8,000.00         | \$ 96,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 4        | No          | \$ 9,000.00         | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                               |          | No          | \$ 4,000.00         | \$ -                   |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 20,000.00        | \$ 20,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 46,737.75</b>    |
| 9.1                | Topsoiling seeding                                                | 4,852    | m²          | \$ 8.50             | \$ 41,237.75           |                        |
| 9.2                | Tree planting                                                     | 22       | No          | \$ 250.00           | \$ 5,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 48,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 18,000.00        | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 3,336,232.33</b> | <b>\$ 3,336,232.33</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 436,822.38</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 3,773,054.70</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-23

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 79,345.95</b>    |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 47,607.57           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 31,738.38           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 229,190.73</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 45,082.93</b> | <b>\$ 45,082.93</b>    | <b>\$ 45,082.93</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 25,500.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 2        | No          | \$ 7,500.00         | \$ 15,000.00           |                        |
| 2.2                | Relocating communication pole                                     | 3        | No          | \$ 3,500.00         | \$ 10,500.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 158,607.80</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 58,607.80        | \$ 58,607.80           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 1,803,317.02</b> | <b>\$ 1,803,317.02</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 85,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 48,000.00</b>    |
| 2.1                | Trees                                                             | 30       | No          | \$ 500.00           | \$ 15,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 20,000.00        | \$ 20,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 281,605.77</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 10,080   | m²          | \$ 6.00             | \$ 60,480.00           |                        |
| 3.2                | Cutting                                                           | 1,190    | m³          | \$ 15.00            | \$ 17,857.14           |                        |
| 3.3                | Filling and compact                                               | 654      | m³          | \$ 12.00            | \$ 7,850.47            |                        |
| 3.4                | Cart off excess material                                          | 536      | m³          | \$ 15.00            | \$ 8,044.06            |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 914      | m³          | \$ 30.00            | \$ 27,420.60           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 2,285    | m²          | \$ 70.00            | \$ 159,953.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 643,215.50</b>   |
| 4.1                | Deep lift asphalt 195 mm                                          | 3,500    | m²          | \$ 105.00           | \$ 367,500.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 4,570    | m²          | \$ 55.00            | \$ 251,355.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 168      | m²          | \$ 145.00           | \$ 24,360.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 161,420.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,189    | Lm          | \$ 30.00            | \$ 35,670.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 475      | Lm          | \$ 170.00           | \$ 80,750.00           |                        |
| 5.3                | Side entry pits                                                   | 18       | No          | \$ 2,500.00         | \$ 45,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 169,950.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,189    | Lm          | \$ 50.00            | \$ 59,450.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 498      | Lm          | \$ 130.00           | \$ 64,740.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 398      | Lm          | \$ 65.00            | \$ 25,870.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 12       | No          | \$ 850.00           | \$ 10,200.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 114      | m²          | \$ 85.00            | \$ 9,690.00            |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 125,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 10       | No          | \$ 8,000.00         | \$ 80,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 8.3                | JUP lighting single                                               |          | No          | \$ 4,000.00         | \$ -                   |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 26,625.75</b>    |
| 9.1                | Topsoiling seeding                                                | 2,780    | m²          | \$ 8.50             | \$ 23,625.75           |                        |
| 9.2                | Tree planting                                                     | 12       | No          | \$ 250.00           | \$ 3,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 36,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 23,000.00        | \$ 23,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 2,111,853.70</b> | <b>\$ 2,111,853.70</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 270,497.55</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 2,382,351.25</b> |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-24

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 103,674.75</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 62,204.85           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 41,469.90           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 289,484.05</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 58,906.11</b> | <b>\$ 58,906.11</b>    | <b>\$ 58,906.11</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 54,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 3        | No          | \$ 7,500.00         | \$ 22,500.00           |                        |
| 2.2                | Relocating communication pole                                     | 9        | No          | \$ 3,500.00         | \$ 31,500.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 176,577.94</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 76,577.94        | \$ 76,577.94           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 2,356,244.31</b> | <b>\$ 2,356,244.31</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 95,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 45,000.00        | \$ 45,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 114,420.00</b>   |
| 2.1                | Trees                                                             | 70       | No          | \$ 500.00           | \$ 35,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 49,420.00        | \$ 49,420.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 369,639.56</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 11,770   | m²          | \$ 6.00             | \$ 70,620.00           |                        |
| 3.2                | Cutting                                                           | 1,581    | m³          | \$ 15.00            | \$ 23,719.39           |                        |
| 3.3                | Filling and compact                                               | 869      | m³          | \$ 12.00            | \$ 10,427.66           |                        |
| 3.4                | Cart off excess material                                          | 712      | m³          | \$ 15.00            | \$ 10,684.81           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,240    | m³          | \$ 30.00            | \$ 37,198.20           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 3,100    | m²          | \$ 70.00            | \$ 216,989.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 899,598.50</b>   |
| 4.1                | Deep lift asphalt 195 mm                                          | 4,649    | m²          | \$ 105.00           | \$ 488,145.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 6,200    | m²          | \$ 55.00            | \$ 340,983.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 486      | m²          | \$ 145.00           | \$ 70,470.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 200,390.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,723    | Lm          | \$ 30.00            | \$ 51,690.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 610      | Lm          | \$ 170.00           | \$ 103,700.00          |                        |
| 5.3                | Side entry pits                                                   | 18       | No          | \$ 2,500.00         | \$ 45,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 231,750.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,723    | Lm          | \$ 50.00            | \$ 86,150.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 734      | Lm          | \$ 130.00           | \$ 95,420.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 568      | Lm          | \$ 65.00            | \$ 36,920.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 6        | No          | \$ 850.00           | \$ 5,100.00            |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 96       | m²          | \$ 85.00            | \$ 8,160.00            |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 145,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 11       | No          | \$ 8,000.00         | \$ 88,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 8.3                | JUP lighting single                                               | 3        | No          | \$ 4,000.00         | \$ 12,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 37,946.25</b>    |
| 9.1                | Topsoiling seeding                                                | 4,053    | m²          | \$ 8.50             | \$ 34,446.25           |                        |
| 9.2                | Tree planting                                                     | 14       | No          | \$ 250.00           | \$ 3,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 36,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 23,000.00        | \$ 23,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 2,749,403.11</b> | <b>\$ 2,749,403.11</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 353,436.65</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 3,102,839.75</b> |



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-26

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 161,758.09</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 97,054.85           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 64,703.23           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 372,888.41</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 91,908.00</b> | <b>\$ 91,908.00</b>    | <b>\$ 91,908.00</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 61,500.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 4        | No          | \$ 7,500.00         | \$ 30,000.00           |                        |
| 2.2                | Relocating communication pole                                     | 9        | No          | \$ 3,500.00         | \$ 31,500.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 219,480.41</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 119,480.41       | \$ 119,480.41          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 3,676,320.16</b> | <b>\$ 3,676,320.16</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 100,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 50,000.00        | \$ 50,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 111,950.00</b>   |
| 2.1                | Trees                                                             | 65       | No          | \$ 500.00           | \$ 32,500.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 49,450.00        | \$ 49,450.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 652,037.66</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 19,185   | m²          | \$ 6.00             | \$ 115,110.00          |                        |
| 3.2                | Cutting                                                           | 2,964    | m³          | \$ 15.00            | \$ 44,464.29           |                        |
| 3.3                | Filling and compact                                               | 1,629    | m³          | \$ 12.00            | \$ 19,547.66           |                        |
| 3.4                | Cart off excess material                                          | 1,335    | m³          | \$ 15.00            | \$ 20,029.71           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 2,209    | m³          | \$ 30.00            | \$ 66,276.00           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 5,523    | m²          | \$ 70.00            | \$ 386,610.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 1,561,755.00</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 8,715    | m²          | \$ 105.00           | \$ 915,075.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 11,046   | m²          | \$ 55.00            | \$ 607,530.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 270      | m²          | \$ 145.00           | \$ 39,150.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 288,490.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 2,590    | Lm          | \$ 30.00            | \$ 77,700.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 887      | Lm          | \$ 170.00           | \$ 150,790.00          |                        |
| 5.3                | Side entry pits                                                   | 24       | No          | \$ 2,500.00         | \$ 60,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 334,705.00</b>   |
| 6.1                | Kerb & channel                                                    | 2,590    | Lm          | \$ 50.00            | \$ 129,500.00          |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 1,080    | Lm          | \$ 130.00           | \$ 140,400.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 708      | Lm          | \$ 65.00            | \$ 46,020.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 12       | No          | \$ 850.00           | \$ 10,200.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 101      | m²          | \$ 85.00            | \$ 8,585.00            |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 27,500.00        | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 28,000.00        | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 65,000.00        | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 82,500.00        | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 48,000.00        | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 11,000.00        | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 217,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 13       | No          | \$ 8,000.00         | \$ 104,000.00          |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 4        | No          | \$ 9,000.00         | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                               | 3        | No          | \$ 4,000.00         | \$ 12,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 55,382.50</b>    |
| 9.1                | Topsoiling seeding                                                | 6,045    | m²          | \$ 8.50             | \$ 51,382.50           |                        |
| 9.2                | Tree planting                                                     | 16       | No          | \$ 250.00           | \$ 4,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 53,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 18,000.00        | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 4,210,966.65</b> | <b>\$ 4,210,966.65</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 551,448.02</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 4,762,414.67</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-31

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 156,243.18</b>   |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 93,745.91           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 62,497.27           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 352,181.43</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 88,774.53</b> | <b>\$ 88,774.53</b>    | <b>\$ 88,774.53</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 48,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 3        | No          | \$ 7,500.00         | \$ 22,500.00           |                        |
| 2.2                | Relocating communication pole                                     | 3        | No          | \$ 3,500.00         | \$ 10,500.00           |                        |
| 2.3                | Relocating light pole                                             | 5        | No          | \$ 3,000.00         | \$ 15,000.00           |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 215,406.90</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 115,406.90       | \$ 115,406.90          |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 3,550,981.39</b> | <b>\$ 3,550,981.39</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 150,000.00</b>   |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 175,305.00</b>   |
| 2.1                | Trees                                                             | 20       | No          | \$ 500.00           | \$ 10,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 98,000.00        | \$ 98,000.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               | 829      | Lm          | \$ 45.00            | \$ 37,305.00           |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 591,424.39</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 19,860   | m²          | \$ 6.00             | \$ 119,160.00          |                        |
| 3.2                | Cutting                                                           | 2,700    | m³          | \$ 15.00            | \$ 40,500.00           |                        |
| 3.3                | Filling and compact                                               | 1,484    | m³          | \$ 12.00            | \$ 17,804.86           |                        |
| 3.4                | Cart off excess material                                          | 1,216    | m³          | \$ 15.00            | \$ 18,243.93           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,930    | m³          | \$ 30.00            | \$ 57,909.60           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 4,826    | m²          | \$ 70.00            | \$ 337,806.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 1,473,078.00</b> |
| 4.1                | Deep lift asphalt 195 mm                                          | 7,938    | m²          | \$ 105.00           | \$ 833,490.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 9,652    | m²          | \$ 55.00            | \$ 530,838.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 750      | m²          | \$ 145.00           | \$ 108,750.00          |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 282,600.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,904    | Lm          | \$ 30.00            | \$ 57,120.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 944      | Lm          | \$ 170.00           | \$ 160,480.00          |                        |
| 5.3                | Side entry pits                                                   | 26       | No          | \$ 2,500.00         | \$ 65,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 315,030.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,904    | Lm          | \$ 50.00            | \$ 95,200.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 1,104    | Lm          | \$ 130.00           | \$ 143,520.00          |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 222      | Lm          | \$ 65.00            | \$ 14,430.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       | 16       | No          | \$ 850.00           | \$ 13,600.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 568      | m²          | \$ 85.00            | \$ 48,280.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 302,000.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 27,500.00        | \$ 27,500.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 28,000.00        | \$ 28,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 65,000.00        | \$ 65,000.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 82,500.00        | \$ 82,500.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 48,000.00        | \$ 48,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 11,000.00        | \$ 11,000.00           |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 161,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 6        | No          | \$ 8,000.00         | \$ 48,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            | 4        | No          | \$ 9,000.00         | \$ 36,000.00           |                        |
| 8.3                | JUP lighting single                                               | 3        | No          | \$ 4,000.00         | \$ 12,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 47,544.00</b>    |
| 9.1                | Topsoiling seeding                                                | 5,064    | m²          | \$ 8.50             | \$ 43,044.00           |                        |
| 9.2                | Tree planting                                                     | 18       | No          | \$ 250.00           | \$ 4,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 53,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 18,000.00        | \$ 18,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 35,000.00        | \$ 35,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 4,059,406.00</b> | <b>\$ 4,059,406.00</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 532,647.21</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 4,592,053.20</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-32

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 97,708.78</b>    |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 58,625.27           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 39,083.51           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 324,687.62</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 55,516.35</b> | <b>\$ 55,516.35</b>    | <b>\$ 55,516.35</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 97,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 12       | No          | \$ 7,500.00         | \$ 90,000.00           |                        |
| 2.2                | Relocating communication pole                                     | 2        | No          | \$ 3,500.00         | \$ 7,000.00            |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 172,171.26</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 72,171.26        | \$ 72,171.26           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 2,220,654.19</b> | <b>\$ 2,220,654.19</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 90,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 113,500.00</b>   |
| 2.1                | Trees                                                             | 20       | No          | \$ 500.00           | \$ 10,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 73,500.00        | \$ 73,500.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 100,000.00       | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 364,453.94</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 7,550    | m²          | \$ 6.00             | \$ 45,300.00           |                        |
| 3.2                | Cutting                                                           | 1,845    | m³          | \$ 15.00            | \$ 27,673.47           |                        |
| 3.3                | Filling and compact                                               | 1,014    | m³          | \$ 12.00            | \$ 12,165.98           |                        |
| 3.4                | Cart off excess material                                          | 831      | m³          | \$ 15.00            | \$ 12,465.99           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,302    | m³          | \$ 30.00            | \$ 39,051.00           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 3,254    | m²          | \$ 70.00            | \$ 227,797.50          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 927,487.50</b>   |
| 4.1                | Deep lift asphalt 195 mm                                          | 5,424    | m²          | \$ 105.00           | \$ 569,520.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 6,509    | m²          | \$ 55.00            | \$ 357,967.50          |                        |
| 4.3                | Shoulder - full depth pavement                                    | -        | m²          | \$ 145.00           | \$ -                   |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 191,040.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,205    | Lm          | \$ 30.00            | \$ 36,150.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 617      | Lm          | \$ 170.00           | \$ 104,890.00          |                        |
| 5.3                | Side entry pits                                                   | 20       | No          | \$ 2,500.00         | \$ 50,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 116,400.00</b>   |
| 6.1                | Kerb & channel                                                    | 1,205    | Lm          | \$ 50.00            | \$ 60,250.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 377      | Lm          | \$ 130.00           | \$ 49,010.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | -        | Lm          | \$ 65.00            | \$ -                   |                        |
| 6.4                | Laybacks and tactile pavers                                       | 4        | No          | \$ 850.00           | \$ 3,400.00            |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 44       | m²          | \$ 85.00            | \$ 3,740.00            |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 133,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 8        | No          | \$ 8,000.00         | \$ 64,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 8.3                | JUP lighting single                                               | 6        | No          | \$ 4,000.00         | \$ 24,000.00           |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 25,272.75</b>    |
| 9.1                | Topsoiling seeding                                                | 2,562    | m²          | \$ 8.50             | \$ 21,772.75           |                        |
| 9.2                | Tree planting                                                     | 14       | No          | \$ 250.00           | \$ 3,500.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 33,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 20,000.00        | \$ 20,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 2,643,050.59</b> | <b>\$ 2,643,050.59</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 333,098.13</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 2,976,148.72</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
IN-33

18 October 2016  
Version 6

PM %: 8.80%

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 71,988.96</b>    |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 43,193.37           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 28,795.58           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 212,076.48</b>   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 40,902.82</b> | <b>\$ 40,902.82</b>    | <b>\$ 40,902.82</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 18,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 1        | No          | \$ 7,500.00         | \$ 7,500.00            |                        |
| 2.2                | Relocating communication pole                                     | 3        | No          | \$ 3,500.00         | \$ 10,500.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 153,173.66</b>   |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 53,173.66        | \$ 53,173.66           |                        |
| 3.2                | SIGNAL MAINTENANCE (10 YEARS) by Road Authority                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 1,636,112.65</b> | <b>\$ 1,636,112.65</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 90,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 20       | weeks       | \$ 2,500.00         | \$ 50,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 165,950.00</b>   |
| 2.1                | Trees                                                             | 5        | No          | \$ 500.00           | \$ 2,500.00            |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 38,450.00        | \$ 38,450.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   | 1        | Item        | \$ 100,000.00       | \$ 100,000.00          |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 25,000.00        | \$ 25,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 217,488.15</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 7,310    | m²          | \$ 6.00             | \$ 43,860.00           |                        |
| 3.2                | Cutting                                                           | 934      | m³          | \$ 15.00            | \$ 14,005.10           |                        |
| 3.3                | Filling and compact                                               | 513      | m³          | \$ 12.00            | \$ 6,157.01            |                        |
| 3.4                | Cart off excess material                                          | 421      | m³          | \$ 15.00            | \$ 6,308.84            |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 718      | m³          | \$ 30.00            | \$ 21,535.20           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 1,795    | m²          | \$ 70.00            | \$ 125,622.00          |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 522,171.00</b>   |
| 4.1                | Deep lift asphalt 195 mm                                          | 2,745    | m²          | \$ 105.00           | \$ 288,225.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTCR                                  | 3,589    | m²          | \$ 55.00            | \$ 197,406.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 252      | m²          | \$ 145.00           | \$ 36,540.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 118,250.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 938      | Lm          | \$ 30.00            | \$ 28,140.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 383      | Lm          | \$ 170.00           | \$ 65,110.00           |                        |
| 5.3                | Side entry pits                                                   | 10       | No          | \$ 2,500.00         | \$ 25,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 129,790.00</b>   |
| 6.1                | Kerb & channel                                                    | 938      | Lm          | \$ 50.00            | \$ 46,900.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 412      | Lm          | \$ 130.00           | \$ 53,560.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 140      | Lm          | \$ 65.00            | \$ 9,100.00            |                        |
| 6.4                | Laybacks and tactile pavers                                       | 12       | No          | \$ 850.00           | \$ 10,200.00           |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | 118      | m²          | \$ 85.00            | \$ 10,030.00           |                        |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                       |          |             |                     |                        | <b>\$ 226,500.00</b>   |
| 7.1                | General items                                                     | 1        | Item        | \$ 20,625.00        | \$ 20,625.00           |                        |
| 7.2                | Conduits                                                          | 1        | Item        | \$ 21,000.00        | \$ 21,000.00           |                        |
| 7.3                | Pedestals                                                         | 1        | Item        | \$ 48,750.00        | \$ 48,750.00           |                        |
| 7.4                | Lanterns                                                          | 1        | Item        | \$ 18,750.00        | \$ 18,750.00           |                        |
| 7.5                | Controller                                                        | 1        | Item        | \$ 61,875.00        | \$ 61,875.00           |                        |
| 7.6                | Detectors                                                         | 1        | Item        | \$ 11,250.00        | \$ 11,250.00           |                        |
| 7.7                | Cabling & connections                                             | 1        | Item        | \$ 36,000.00        | \$ 36,000.00           |                        |
| 7.8                | Clean-up                                                          | 1        | Item        | \$ 8,250.00         | \$ 8,250.00            |                        |
| <b>8</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 113,000.00</b>   |
| 8.1                | Light pole (1-way) and luminous lights                            | 10       | No          | \$ 8,000.00         | \$ 80,000.00           |                        |
| 8.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 8.3                | JUP lighting single                                               | 2        | No          | \$ 4,000.00         | \$ 8,000.00            |                        |
| 8.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 8.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| 8.6                | Electrical connection                                             | 1        | Item        | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>9</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 21,963.50</b>    |
| 9.1                | Topsoiling seeding                                                | 2,231    | m²          | \$ 8.50             | \$ 18,963.50           |                        |
| 9.2                | Tree planting                                                     | 12       | No          | \$ 250.00           | \$ 3,000.00            |                        |
| <b>10</b>          | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 31,000.00</b>    |
| 10.1               | Signing                                                           | 1        | item        | \$ 13,000.00        | \$ 13,000.00           |                        |
| 10.2               | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 18,000.00        | \$ 18,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 1,920,178.09</b> | <b>\$ 1,920,178.09</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 245,416.90</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 2,165,594.98</b> |

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

18 October 2016

Version 3

**Interim Road Project Cost**

|      |                                | Koukoura Drive – Southern Section | Koukoura Drive – Central Section | Koukoura Drive – Northern Section | Summerhill Road - Arterial Standard | Summerhill Road – (upgrade within existing road reserve) |
|------|--------------------------------|-----------------------------------|----------------------------------|-----------------------------------|-------------------------------------|----------------------------------------------------------|
| ITEM | DESCRIPTION                    | RD-01 (APA)                       | RD-02                            | RD-03 (APA)                       | RD-04                               | RD-05                                                    |
| A    | Project and Program Management | \$ 145,072.75                     | \$ 156,871.66                    | \$ 146,471.08                     | \$ 167,088.17                       | \$ 154,885.57                                            |
| B    | Design and Investigation       | \$ 319,160.04                     | \$ 345,117.64                    | \$ 322,236.37                     | \$ 367,593.97                       | \$ 340,748.24                                            |
| C    | Additional Items               |                                   |                                  |                                   |                                     |                                                          |
| D    | Construction                   | \$ 3,300,858.87                   | \$ 3,610,394.84                  | \$ 3,340,275.46                   | \$ 3,881,258.22                     | \$ 3,560,587.71                                          |
|      | <b>TOTAL A - D</b>             | <b>\$ 3,765,091.66</b>            | <b>\$ 4,112,384.13</b>           | <b>\$ 3,808,982.91</b>            | <b>\$ 4,415,940.35</b>              | <b>\$ 4,056,221.52</b>                                   |
| E    | CONTINGENCY                    |                                   |                                  |                                   |                                     |                                                          |
|      | Contingency (15% of D)         | \$ 495,128.83                     | \$ 541,559.23                    | \$ 501,041.32                     | \$ 582,188.73                       | \$ 534,088.16                                            |
| F    | PROJECT BUDGET                 |                                   |                                  |                                   |                                     |                                                          |
|      | Total Estimate                 | \$ 4,260,220.49                   | \$ 4,653,943.36                  | \$ 4,310,024.23                   | \$ 4,998,129.09                     | \$ 4,590,309.68                                          |

**Notes:**

- 1 **Design cost** - Not included in interim except for RD-01, RD-02, RD-03, RD-04, RD-05 (completed in CG140690)
- 2 **Site establishment** - Taken as 2.5% of construction cost with upper limit of \$100,000
- 3 **Soft spot rectification** - Taken as 20% of sub-base pavement
- 4 **Rock excavation** - Assume 50% of sub-base pavement
- 5 **Pavement** - Assume deep lift asphalt pavement
- 6 **Subsoil drains** - Assume same as kerb and channel
- 7 **Drainage** - Assume 375 DIA RCP
- 8 **Side entry pits** - Based on 50m intervals
- 9 **Light pole** - Based on 70m intervals
- 10 **Existing road** - Existing asphalt roads to be demolished as part of road works
- 11 **Substation** - No allowance for substations
- 12 **Tree planting** - Based on 80m intervals

AUTHOR: J.Ly

Date: 18/10/2016

REVIEWER: R.Henry

Date: 18/10/2016

**PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS**

**SUMMARY SHEET**

V160221T

Wollert PSP

18 October 2016

Version 3

**Interim Road Project Cost**

|             |                                | Between<br>Koukoura Drive &<br>Connector<br>Boulevard | Between<br>Bodycoats Road &<br>Andrew Road | Between Andrew<br>Road & Epping<br>Road |                  |
|-------------|--------------------------------|-------------------------------------------------------|--------------------------------------------|-----------------------------------------|------------------|
| ITEM        | DESCRIPTION                    | RD-06                                                 | RD-06                                      | RD-06                                   | TOTAL            |
| A           | Project and Program Management | \$ 80,758.07                                          | \$ 49,114.73                               | \$ 46,667.11                            | \$ 946,929.12    |
| B           | Design and Investigation       | \$ -                                                  | \$ -                                       | \$ -                                    | \$ 1,694,856.27  |
| C           | Additional Items               | \$ 130,536.12                                         | \$ 93,184.02                               | \$ 93,985.42                            | \$ 317,705.56    |
| D           | Construction                   | \$ 1,835,410.75                                       | \$ 1,116,243.80                            | \$ 1,060,616.05                         | \$ 21,705,645.70 |
| TOTAL A - D |                                | \$ 2,046,704.94                                       | \$ 1,258,542.55                            | \$ 1,201,268.58                         | \$ 24,665,136.65 |
| E           | CONTINGENCY                    |                                                       |                                            |                                         |                  |
|             | Contingency (15% of D)         | \$ 275,311.61                                         | \$ 167,436.57                              | \$ 159,092.41                           | \$ 3,255,846.86  |
| F           | PROJECT BUDGET                 |                                                       |                                            |                                         |                  |
|             | Total Estimate                 | \$ 2,322,016.55                                       | \$ 1,425,979.12                            | \$ 1,360,360.99                         | \$ 27,920,983.51 |

**Notes:**

- 1 **Design cost** - Not included in interim except for RD-01, RD-02, RD-03, RD-04, RD-05 (completed in CG140690)
- 2 **Site establishment** - Taken as 2.5% of construction cost with upper limit of \$100,000
- 3 **Soft spot rectification** - Taken as 20% of sub-base pavement
- 4 **Rock excavation** - Assume 50% of sub-base pavement
- 5 **Pavement** - Assume deep lift asphalt pavement
- 6 **Subsoil drains** - Assume same as kerb and channel
- 7 **Drainage** - Assume 375 DIA RCP
- 8 **Side entry pits** - Based on 50m intervals
- 9 **Light pole** - Based on 70m intervals
- 10 **Existing road** - Existing asphalt roads to be demolished as part of road works
- 11 **Substation** - No allowance for substations
- 12 **Tree planting** - Based on 80m intervals

AUTHOR: J.Ly

Date: 18/10/2016

REVIEWER: R.Henry

Date: 18/10/2016

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
RD-01 (APA)

18 October 2016  
Version 3

PM %: 8.79%

| ITEM               | DESCRIPTION                                                                                           | QUANTITY | UNIT           | RATE      | AMOUNT              | SUBTOTAL            |
|--------------------|-------------------------------------------------------------------------------------------------------|----------|----------------|-----------|---------------------|---------------------|
| <b>A</b>           | <b>Project and Program Management (%)</b>                                                             |          |                |           |                     | <b>\$ 145,073</b>   |
|                    | <b>Project Management</b>                                                                             |          | 3.00%          | 2.64%     | \$ 87,044           |                     |
|                    | Project scoping, planning, scheduling, monitoring, reporting and commissioning                        |          |                |           |                     |                     |
|                    | Management of preconstruction activities, development of tender documents and management of contracts |          |                |           |                     |                     |
|                    | Managing external interfaces, including community liaison, environmental issues, traffic issues etc   |          |                |           |                     |                     |
|                    | Records management                                                                                    |          |                |           |                     |                     |
|                    | <b>Program Administration</b>                                                                         |          | 2.00%          | 1.76%     | \$ 58,029           |                     |
| <b>B</b>           | <b>Design and Investigation (%)</b>                                                                   |          |                |           |                     | <b>\$ 319,160</b>   |
|                    | Traffic Investigations                                                                                |          | 0.85%          | 0.75%     | \$ 24,662           |                     |
|                    | Cadastral and Engineering Survey                                                                      |          | 1.20%          | 1.05%     | \$ 34,817           |                     |
|                    | Geotechnical investigations Pavement Investigations and Design                                        |          | 1.20%          | 1.05%     | \$ 34,817           |                     |
|                    | Environmental Investigations                                                                          |          |                | 0.00%     | \$ -                |                     |
|                    | Landscape Design                                                                                      |          | 1.00%          | 0.88%     | \$ 29,015           |                     |
|                    | Preliminary and Final Design                                                                          |          | 4.25%          | 3.74%     | \$ 123,312          |                     |
|                    | Construction Management                                                                               |          | 2.50%          | 2.20%     | \$ 72,536           |                     |
| <b>C</b>           | <b>Construction</b>                                                                                   |          |                |           | \$ 3,300,859        | <b>\$ 3,300,859</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                                                  |          |                |           |                     | <b>\$ 229,000</b>   |
| 1.1                | Site establishment                                                                                    | 1        | Item           | \$ 83,000 | \$ 83,000           |                     |
| 1.2                | Site management & supervision including QA                                                            | 20       | wks            | \$ 2,500  | \$ 50,000           |                     |
| 1.3                | Provision for traffic                                                                                 | 1        | Item           | \$ 96,000 | \$ 96,000           |                     |
| <b>2</b>           | <b>DEMOLITION</b>                                                                                     |          |                |           |                     | <b>\$ -</b>         |
| 2.1                | Trees                                                                                                 | -        | No             | \$ 500    | \$ -                |                     |
| 2.2                | Strip asphalt from existing pavement                                                                  | -        | m <sup>2</sup> | \$ 5      | \$ -                |                     |
| <b>3</b>           | <b>EARTHWORKS (VERTICAL ALIGNMENT AVAILABLE)</b>                                                      |          |                |           |                     | <b>\$ 958,481</b>   |
| 3.1                | Stripping topsoil (150mm)                                                                             | 4,767    | m <sup>2</sup> | \$ 6      | \$ 28,602           |                     |
| 3.2                | Excavation and removal (inc. reclamation of FCR)- allowance                                           | 1,854    | m <sup>3</sup> | \$ 30     | \$ 55,605           |                     |
| 3.3                | Filling                                                                                               | 15,776   | m <sup>3</sup> | \$ 15     | \$ 236,640          |                     |
| 3.4                | Import Fill material                                                                                  | 13,923   | m <sup>3</sup> | \$ 45     | \$ 626,513          |                     |
| 3.5                | Soft spot rectification (reclaimed FCR)                                                               | 741      | m <sup>3</sup> | \$ 15     | \$ 11,121           |                     |
| <b>4</b>           | <b>PAVEMENT</b>                                                                                       |          |                |           |                     | <b>\$ 727,370</b>   |
| 4.1                | Deep lift asphalt 195 mm                                                                              | 3,018    | m <sup>2</sup> | \$ 105    | \$ 316,890          |                     |
| 4.2                | Subbase course - 250 mm 3% CTCR                                                                       | 3,707    | m <sup>2</sup> | \$ 55     | \$ 203,885          |                     |
| 4.3                | Shoulder - full depth pavement                                                                        | 530      | m <sup>2</sup> | \$ 145    | \$ 76,850           |                     |
| 4.4                | Rock excavation & sub-surface remediation 450mm                                                       | 1,853.50 | m <sup>2</sup> | \$ 70     | \$ 129,745          |                     |
| <b>5</b>           | <b>DRAINAGE</b>                                                                                       |          |                |           |                     | <b>\$ 162,816</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                                                                 | 1,060    | Lm             | \$ 30     | \$ 31,800           |                     |
| 5.2                | Subsoil drains 100mm dia - no fines conc                                                              | -        | Lm             | \$ 45     | \$ -                |                     |
| 5.3                | 375 RCP (class 2)                                                                                     | 615      | Lm             | \$ 170    | \$ 104,516          |                     |
| 5.4                | Side entry pits                                                                                       | 11       | No             | \$ 2,500  | \$ 26,500           |                     |
| 5.5                | Allowance to modify drainage to ultimate location                                                     |          | Item           | \$ 86,800 | \$ -                |                     |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                                                 |          |                |           |                     | <b>\$ 198,100</b>   |
| 6.1                | Kerb & channel                                                                                        | 530      | Lm             | \$ 50     | \$ 26,500           |                     |
| 6.2                | Shared Paths (3.0m wide, 125 mm, residential, as per MPA)                                             | 1,060    | Lm             | \$ 130    | \$ 137,800          |                     |
| 6.3                | Footpaths (1.5m wide, 125 mm, residential, as per MPA)                                                | -        | No             | \$ 65     | \$ -                |                     |
| 6.4                | Laybacks and tactile pavers                                                                           | -        | m <sup>2</sup> | \$ 850    | \$ -                |                     |
| 6.5                | 10m concrete maintenance area end of all islands                                                      | -        | m <sup>2</sup> | \$ 85     | \$ -                |                     |
| 6.6                | Additional Shared Paths                                                                               | 260      | Lm             | \$ 130    | \$ 33,800           |                     |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                                           |          | NA             |           |                     | <b>\$ -</b>         |
| <b>8</b>           | <b>SIGNAL MAINTENANCE (10 YEARS) by Road Authority</b>                                                |          | NA             |           | \$ -                | <b>\$ -</b>         |
| <b>9</b>           | <b>POWER &amp; LIGHTING</b>                                                                           |          |                |           |                     | <b>\$ 122,893</b>   |
| 9.1                | Light pole (1-way) and luminous lights                                                                | -        | No             | \$ 8,000  | \$ -                |                     |
| 9.2                | Light pole (2-way) and luminous lights                                                                | 8        | No             | \$ 9,000  | \$ 68,143           |                     |
| 9.3                | JUP lighting single                                                                                   | -        | No             | \$ 4,000  | \$ -                |                     |
| 9.4                | JUP lighting dual                                                                                     | -        | No             | \$ 5,000  | \$ -                |                     |
| 9.5                | Cabling, conduits and pits                                                                            | 530      | Lm             | \$ 75     | \$ 39,750           |                     |
| 9.6                | Electrical connection                                                                                 | 1        | Item           | \$ 15,000 | \$ 15,000           |                     |
| <b>10</b>          | <b>LANDSCAPING WORKS</b>                                                                              |          |                |           |                     | <b>\$ 87,128</b>    |
| 10.1               | Topsoiling seeding                                                                                    | 9,805    | m <sup>2</sup> | \$ 8.50   | \$ 83,343           |                     |
| 10.2               | Tree planting                                                                                         | 15       | No             | \$ 250.00 | \$ 3,786            |                     |
| <b>11</b>          | <b>SIGNING</b>                                                                                        |          |                |           |                     | <b>\$ 10,000</b>    |
| <b>12</b>          | <b>LINEMARKING (Thermoplastic)</b>                                                                    |          |                |           |                     | <b>\$ 30,000</b>    |
| <b>13</b>          | <b>SERVICE RELOCATION</b>                                                                             |          |                |           |                     | <b>\$ -</b>         |
| 13.1               | NA                                                                                                    |          | Item           |           |                     |                     |
| <b>14</b>          | <b>TRANSMISSION PIPELINE</b>                                                                          |          |                |           |                     | <b>\$ 775,071</b>   |
| 14.1               | Transmission pipeline slab protection 200mm                                                           | 660      | m <sup>2</sup> | \$ 165    | \$ 108,900          |                     |
| 14.2               | Transmission pipeline slab excavation 200mm                                                           | 66       | m <sup>3</sup> | \$ 45     | \$ 2,970            |                     |
| 14.3               | Clay excavation for transmission pipeline                                                             | 778      | m <sup>3</sup> | \$ 45     | \$ 35,010           |                     |
| 14.4               | Hand excavation for rock around transmission pipeline (extra over allowance)                          | 330      | m              | \$ 1,050  | \$ 346,500          |                     |
| 14.5               | Backfill stabilisation sand for transmission pipeline                                                 | 778      | m <sup>3</sup> | \$ 150    | \$ 116,691          |                     |
| 14.6               | Wrap for transmission pipeline                                                                        | 330      | m              | \$ 500    | \$ 165,000          |                     |
| <b>15</b>          | <b>MISCELLANEOUS</b>                                                                                  |          |                |           |                     | <b>\$ -</b>         |
| 15.1               | Existing Road outside of new road pavements                                                           |          |                |           |                     |                     |
| 15.1.1             | Strip asphalt                                                                                         | -        | m <sup>2</sup> | \$ 5      | \$ -                |                     |
| 15.1.2             | Recycle FCR to stockpile                                                                              | -        | m <sup>3</sup> | \$ 10     | \$ -                |                     |
| 15.1.3             | backfill with structural fill                                                                         | -        | m <sup>3</sup> | \$ 12     | \$ -                |                     |
| <b>16</b>          | <b>PROVISIONAL SUM - DAYWORK</b>                                                                      |          | Item           |           | \$ -                | <b>\$ -</b>         |
| <b>TOTAL A - C</b> |                                                                                                       |          |                |           | <b>\$ 3,765,092</b> | <b>\$ 3,765,092</b> |
| <b>D</b>           | <b>Contingency</b>                                                                                    |          |                |           |                     |                     |
|                    | Contingency (15% of C)                                                                                |          |                |           | 15%                 | <b>\$ 495,129</b>   |
| <b>E</b>           | <b>PROJECT BUDGET</b>                                                                                 |          |                |           |                     |                     |
|                    | Total Estimate                                                                                        |          |                |           |                     | <b>\$ 4,260,220</b> |
|                    | Total Estimate per linear metre                                                                       |          |                |           |                     | <b>8038</b>         |

AUTHOR: Asiri Rajapakse  
Date: 27/11/2015

REVIEWER: Rob Henry  
Date: 27/11/2015



PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
RD-02

PM %: 8.69%

18 October 2016  
Version 3

| ITEM               | DESCRIPTION                                                                                           | QUANTITY | UNIT  | RATE      | AMOUNT              | SUBTOTAL            |
|--------------------|-------------------------------------------------------------------------------------------------------|----------|-------|-----------|---------------------|---------------------|
| <b>A</b>           | <b>Project and Program Management (%)</b>                                                             |          |       |           |                     | <b>\$ 156,872</b>   |
|                    | <b>Project Management</b>                                                                             |          | 3.00% | 2.61%     | \$ 94,123           |                     |
|                    | Project scoping, planning, scheduling, monitoring, reporting and commissioning                        |          |       |           |                     |                     |
|                    | Management of preconstruction activities, development of tender documents and management of contracts |          |       |           |                     |                     |
|                    | Managing external interfaces, including community liaison, environmental issues, traffic issues etc   |          |       |           |                     |                     |
|                    | Records management                                                                                    |          |       |           |                     |                     |
|                    | <b>Program Administration</b>                                                                         |          | 2.00% | 1.74%     | \$ 62,749           |                     |
| <b>B</b>           | <b>Design and Investigation (%)</b>                                                                   |          |       |           |                     | <b>\$ 345,118</b>   |
|                    | Traffic Investigations                                                                                |          | 0.85% | 0.74%     | \$ 26,668           |                     |
|                    | Cadastral and Engineering Survey                                                                      |          | 1.20% | 1.04%     | \$ 37,649           |                     |
|                    | Geotechnical investigations Pavement Investigations and Design                                        |          | 1.20% | 1.04%     | \$ 37,649           |                     |
|                    | Environmental Investigations                                                                          |          |       | 0.00%     | \$ -                |                     |
|                    | Landscape Design                                                                                      |          | 1.00% | 0.87%     | \$ 31,374           |                     |
|                    | Preliminary and Final Design                                                                          |          | 4.25% | 3.69%     | \$ 133,341          |                     |
|                    | Construction Management                                                                               |          | 2.50% | 2.17%     | \$ 78,436           |                     |
| <b>C</b>           | <b>Construction</b>                                                                                   |          |       |           | \$ 3,610,395        | <b>\$ 3,610,395</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                                                  |          |       |           |                     | <b>\$ 237,000</b>   |
| 1.1                | Site establishment                                                                                    | 1        | Item  | \$ 91,000 | \$ 91,000           |                     |
| 1.2                | Site management & supervision including QA                                                            | 20       | wks   | \$ 2,500  | \$ 50,000           |                     |
| 1.3                | Provision for traffic                                                                                 | 1        | Item  | \$ 96,000 | \$ 96,000           |                     |
| <b>2</b>           | <b>DEMOLITION</b>                                                                                     |          |       |           |                     | <b>\$ -</b>         |
| 2.1                | Trees                                                                                                 | -        | No    | \$ 500    | \$ -                |                     |
| 2.2                | Strip asphalt from existing pavement                                                                  | -        | m²    | \$ 5      | \$ -                |                     |
| <b>3</b>           | <b>EARTHWORKS (VERTICAL ALIGNMENT AVAILABLE)</b>                                                      |          |       |           |                     | <b>\$ 901,652</b>   |
| 3.1                | Stripping topsoil (150mm)                                                                             | 8,356    | m²    | \$ 6      | \$ 50,137           |                     |
| 3.2                | Excavation and removal (inc. reclamation of FCR)                                                      | 5,338    | m³    | \$ 30     | \$ 160,140          |                     |
| 3.3                | Filling                                                                                               | 15,198   | m³    | \$ 15     | \$ 227,970          |                     |
| 3.4                | Import Fill material                                                                                  | 9,860    | m³    | \$ 45     | \$ 443,700          |                     |
| 3.3                | Soft spot rectification (reclaimed FCR)                                                               | 1,314    | m³    | \$ 15     | \$ 19,705           |                     |
| <b>4</b>           | <b>PAVEMENT</b>                                                                                       |          |       |           |                     | <b>\$ 1,419,657</b> |
| 4.1                | Deep lift asphalt 195 mm                                                                              | 5,405    | m²    | \$ 105    | \$ 567,525          |                     |
| 4.2                | Subbase course - 250 mm 3% CTR                                                                        | 6,568    | m²    | \$ 55     | \$ 361,251          |                     |
| 4.3                | Shoulder - full depth pavement                                                                        | 894      | m²    | \$ 145    | \$ 129,630          |                     |
| 4.4                | Rock excavation & sub-surface remediation 450mm                                                       | 6,568    | m²    | \$ 55     | \$ 361,251          |                     |
| <b>5</b>           | <b>DRAINAGE</b>                                                                                       |          |       |           |                     | <b>\$ 274,914</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                                                                 | 1,789    | Lm    | \$ 30     | \$ 53,670           |                     |
| 5.2                | Subsoil drains 100mm dia - no fines conc                                                              | -        | Lm    | \$ 45     | \$ -                |                     |
| 5.3                | 375 RCP (class 2)                                                                                     | 1,038    | Lm    | \$ 170    | \$ 176,494          |                     |
| 5.4                | Side entry pits                                                                                       | 18       | No    | \$ 2,500  | \$ 44,750           |                     |
| 5.5                | Allowance to modify drainage to ultimate location                                                     |          | item  | \$ 86,800 | \$ -                |                     |
| 5.6                | Transmission pipeline slab protection 200mm                                                           | -        | m     | \$ 130    | \$ -                |                     |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                                                 |          |       |           |                     | <b>\$ 393,150</b>   |
| 6.1                | Kerb & channel                                                                                        | 895      | Lm    | \$ 50     | \$ 44,750           |                     |
| 6.2                | Shared Paths (3.0m wide, 125 mm, residential, as per MPA)                                             | 1,785    | Lm    | \$ 130    | \$ 232,050          |                     |
| 6.3                | Footpaths (1.5m wide, 125 mm, residential, as per MPA)                                                | -        | No    | \$ 65     | \$ -                |                     |
| 6.4                | Laybacks and tactile pavers                                                                           | -        | m²    | \$ 850    | \$ -                |                     |
| 6.5                | 10m concrete maintenance area end of all islands                                                      | -        | m²    | \$ 85     | \$ -                |                     |
| 6.6                | Additional Shared Paths                                                                               | 895      | Lm    | \$ 130    | \$ 116,350          |                     |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                                           |          | NA    |           |                     | <b>\$ -</b>         |
| <b>8</b>           | <b>SIGNAL MAINTENANCE (10 YEARS) by Road Authority</b>                                                |          | NA    |           | \$ -                | <b>\$ -</b>         |
| <b>9</b>           | <b>POWER &amp; LIGHTING</b>                                                                           |          |       |           |                     | <b>\$ 197,196</b>   |
| 9.1                | Light pole (1-way) and luminous lights                                                                | -        | No    | \$ 8,000  | \$ -                |                     |
| 9.2                | Light pole (2-way) and luminous lights                                                                | 13       | No    | \$ 9,000  | \$ 115,071          |                     |
| 9.3                | JUP lighting single                                                                                   | -        | No    | \$ 4,000  | \$ -                |                     |
| 9.4                | JUP lighting dual                                                                                     | -        | No    | \$ 5,000  | \$ -                |                     |
| 9.5                | Cabling, conduits and pits                                                                            | 895      | Lm    | \$ 75     | \$ 67,125           |                     |
| 9.6                | Electrical connection                                                                                 | 1        | Item  | \$ 15,000 | \$ 15,000           |                     |
| <b>10</b>          | <b>LANDSCAPING WORKS</b>                                                                              |          |       |           |                     | <b>\$ 146,826</b>   |
| 10.1               | Topsoiling seeding                                                                                    | 16,522   | m²    | \$ 8.50   | \$ 140,433          |                     |
| 10.2               | Tree planting                                                                                         | 26       | No    | \$ 250.00 | \$ 6,393            |                     |
| <b>11</b>          | <b>SIGNING</b>                                                                                        |          |       |           |                     | <b>\$ 10,000</b>    |
| <b>12</b>          | <b>LINEMARKING (Thermoplastic)</b>                                                                    |          |       |           |                     | <b>\$ 30,000</b>    |
| <b>13</b>          | <b>SERVICE RELOCATION</b>                                                                             |          |       |           |                     | <b>\$ -</b>         |
| 13.1               | NA                                                                                                    |          | Item  |           |                     |                     |
| <b>14</b>          | <b>MISCELLANEOUS</b>                                                                                  |          |       |           |                     | <b>\$ -</b>         |
|                    | Existing Road outside of new road pavements                                                           |          |       |           |                     |                     |
| 14.1               | Strip asphalt                                                                                         | -        | m²    | \$ 5      | \$ -                |                     |
| 14.2               | Recycle FCR to stockpile                                                                              | -        | m³    | \$ 10     | \$ -                |                     |
| 14.3               | backfill with structural fill                                                                         | -        | m³    | \$ 12     | \$ -                |                     |
| 14.4               | Topsoiling                                                                                            | -        | m²    | \$ 8.50   | \$ -                |                     |
| <b>15</b>          | <b>PROVISIONAL SUM - DAYWORK</b>                                                                      |          | item  |           | \$ -                | <b>\$ -</b>         |
| <b>TOTAL A - C</b> |                                                                                                       |          |       |           | <b>\$ 4,112,384</b> | <b>\$ 4,112,384</b> |
| <b>D</b>           | <b>Contingency</b>                                                                                    |          |       |           |                     |                     |
|                    | Contingency (15% of C)                                                                                |          |       |           | 15%                 | <b>\$ 541,559</b>   |
| <b>E</b>           | <b>PROJECT BUDGET</b>                                                                                 |          |       |           |                     |                     |
|                    | Total Estimate                                                                                        |          |       |           |                     | <b>\$ 4,653,943</b> |
|                    | Total Estimate per linear metre                                                                       |          |       |           |                     | <b>5200</b>         |

AUTHOR: Asri Rajapakse  
Date: 27/11/2015

REVIEWER: Rob Henry  
Date: 27/11/2015

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
RD-03 (APA)

18 October 2016  
Version 3

PM %: 8.77%

| ITEM               | DESCRIPTION                                                                                           | QUANTITY | UNIT  | RATE      | AMOUNT              | SUBTOTAL            |
|--------------------|-------------------------------------------------------------------------------------------------------|----------|-------|-----------|---------------------|---------------------|
| <b>A</b>           | <b>Project and Program Management (%)</b>                                                             |          |       |           |                     | <b>\$ 146,471</b>   |
|                    | <b>Project Management</b>                                                                             |          | 3.00% | 2.63%     | \$ 87,883           |                     |
|                    | Project scoping, planning, scheduling, monitoring, reporting and commissioning                        |          |       |           |                     |                     |
|                    | Management of preconstruction activities, development of tender documents and management of contracts |          |       |           |                     |                     |
|                    | Managing external interfaces, including community liaison, environmental issues, traffic issues etc   |          |       |           |                     |                     |
|                    | Records management                                                                                    |          |       |           |                     |                     |
|                    | <b>Program Administration</b>                                                                         |          | 2.00% | 1.75%     | \$ 58,588           |                     |
| <b>B</b>           | <b>Design and Investigation (%)</b>                                                                   |          |       |           |                     | <b>\$ 322,236</b>   |
|                    | Traffic Investigations                                                                                |          | 0.85% | 0.75%     | \$ 24,900           |                     |
|                    | Cadastral and Engineering Survey                                                                      |          | 1.20% | 1.05%     | \$ 35,153           |                     |
|                    | Geotechnical investigations Pavement Investigations and Design                                        |          | 1.20% | 1.05%     | \$ 35,153           |                     |
|                    | Environmental Investigations                                                                          |          |       | 0.00%     | \$ -                |                     |
|                    | Landscape Design                                                                                      |          | 1.00% | 0.88%     | \$ 29,294           |                     |
|                    | Preliminary and Final Design                                                                          |          | 4.25% | 3.73%     | \$ 124,500          |                     |
|                    | Construction Management                                                                               |          | 2.50% | 2.19%     | \$ 73,236           |                     |
| <b>C</b>           | <b>Construction</b>                                                                                   |          |       |           | \$ 3,340,275        | <b>\$ 3,340,275</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                                                  |          |       |           |                     | <b>\$ 231,000</b>   |
| 1.1                | Site establishment                                                                                    | 1        | Item  | \$ 85,000 | \$ 85,000           |                     |
| 1.2                | Site management & supervision including QA                                                            | 20       | wks   | \$ 2,500  | \$ 50,000           |                     |
| 1.3                | Provision for traffic                                                                                 | 1        | Item  | \$ 96,000 | \$ 96,000           |                     |
| <b>2</b>           | <b>DEMOLITION</b>                                                                                     |          |       |           |                     | <b>\$ 2,500</b>     |
| 2.1                | Trees                                                                                                 | 5        | No    | \$ 500    | \$ 2,500            |                     |
| 2.2                | Strip asphalt from existing pavement                                                                  | -        | m²    | \$ 5      | \$ -                |                     |
| <b>3</b>           | <b>EARTHWORKS (VERTICAL ALIGNMENT AVAILABLE)</b>                                                      |          |       |           |                     | <b>\$ 921,869</b>   |
| 3.1                | Stripping topsoil (150mm)                                                                             | 6,889    | m²    | \$ 6      | \$ 41,335           |                     |
| 3.2                | Excavation and removal (inc. reclamation of FCR)                                                      | 714      | m³    | \$ 30     | \$ 21,420           |                     |
| 3.3                | Filling                                                                                               | 14,586   | m³    | \$ 15     | \$ 218,790          |                     |
| 3.4                | Import Fill material                                                                                  | 13,872   | m³    | \$ 45     | \$ 624,240          |                     |
| 3.5                | Soft spot rectification (reclaimed FCR)                                                               | #####    | m³    | \$ 15     | \$ 16,084           |                     |
| <b>4</b>           | <b>PAVEMENT</b>                                                                                       |          |       |           |                     | <b>\$ 1,158,837</b> |
| 4.1                | Deep lift asphalt 195 mm                                                                              | 4,365    | m²    | \$ 105    | \$ 458,325          |                     |
| 4.2                | Subbase course - 250 mm 3% CTCR                                                                       | 5,361    | m²    | \$ 55     | \$ 294,866          |                     |
| 4.3                | Shoulder - full depth pavement                                                                        | 764      | m²    | \$ 145    | \$ 110,780          |                     |
| 4.4                | Rock excavation & sub-surface remediation 450mm                                                       | 5,361    | m²    | \$ 55     | \$ 294,866          |                     |
| <b>5</b>           | <b>DRAINAGE</b>                                                                                       |          |       |           |                     | <b>\$ 235,532</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                                                                 | 1,531    | Lm    | \$ 30     | \$ 45,930           |                     |
| 5.2                | Subsoil drains 100mm dia - no fines conc                                                              | -        | Lm    | \$ 45     | \$ -                |                     |
| 5.3                | 375 RCP (class 2)                                                                                     | 890      | Lm    | \$ 170    | \$ 151,252          |                     |
| 5.4                | Side entry pits                                                                                       | 15       | No    | \$ 2,500  | \$ 38,350           |                     |
| 5.5                | Allowance to modify drainage to ultimate location                                                     |          | Item  | \$ 86,800 | \$ -                |                     |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                                                 |          |       |           |                     | <b>\$ 336,180</b>   |
| 6.1                | Kerb & channel                                                                                        | 767      | Lm    | \$ 50     | \$ 38,350           |                     |
| 6.2                | Shared Paths (3.0m wide, 125 mm, residential, as per MPA)                                             | 1,531    | Lm    | \$ 130    | \$ 199,030          |                     |
| 6.3                | Footpaths (1.5m wide, 125 mm, residential, as per MPA)                                                | -        | No    | \$ 65     | \$ -                |                     |
| 6.4                | Laybacks and tactile pavers                                                                           | -        | m²    | \$ 850    | \$ -                |                     |
| 6.5                | 10m concrete maintenance area end of all islands                                                      | -        | m²    | \$ 85     | \$ -                |                     |
| 6.6                | Additional Shared Paths                                                                               | 760      | Lm    | \$ 130    | \$ 98,800           |                     |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                                           |          | NA    |           |                     | <b>\$ -</b>         |
| <b>8</b>           | <b>SIGNAL MAINTENANCE (10 YEARS) by Road Authority</b>                                                |          | NA    |           |                     | <b>\$ -</b>         |
| <b>9</b>           | <b>POWER &amp; LIGHTING</b>                                                                           |          |       |           |                     | <b>\$ 171,139</b>   |
| 9.1                | Light pole (1-way) and luminous lights                                                                | -        | NA    |           | \$ -                |                     |
| 9.2                | Light pole (2-way) and luminous lights                                                                | 11       | No    | \$ 9,000  | \$ 98,614           |                     |
| 9.3                | JUP lighting single                                                                                   | -        | No    | \$ 4,000  | \$ -                |                     |
| 9.4                | JUP lighting dual                                                                                     | -        | No    | \$ 5,000  | \$ -                |                     |
| 9.5                | Cabling, conduits and pits                                                                            | 767      | Lm    | \$ 75     | \$ 57,525           |                     |
| 9.6                | Electrical connection                                                                                 | 1        | Item  | \$ 15,000 | \$ 15,000           |                     |
| <b>10</b>          | <b>LANDSCAPING WORKS</b>                                                                              |          |       |           |                     | <b>\$ 125,783</b>   |
| 10.1               | Topsoiling seeding                                                                                    | 14,154   | m²    | \$ 8.50   | \$ 120,305          |                     |
| 10.2               | Tree planting                                                                                         | 22       | No    | \$ 250.00 | \$ 5,479            |                     |
| <b>11</b>          | <b>SIGNING</b>                                                                                        |          |       |           |                     | <b>\$ 10,000</b>    |
| <b>12</b>          | <b>LINEMARKING (Thermoplastic)</b>                                                                    |          |       |           |                     | <b>\$ 30,000</b>    |
| <b>13</b>          | <b>SERVICE RELOCATION</b>                                                                             |          |       |           |                     | <b>\$ -</b>         |
| 13.1               | NA                                                                                                    |          | Item  |           |                     |                     |
| <b>14</b>          | <b>TRANSMISSION PIPELINE</b>                                                                          |          |       |           |                     | <b>\$ 117,435</b>   |
| 14.1               | Transmission pipeline slab protection 200mm                                                           | 100      | m²    | \$ 165    | \$ 16,500           |                     |
| 14.2               | Transmission pipeline slab excavation 200mm                                                           | 10       | m³    | \$ 45     | \$ 450              |                     |
| 14.3               | Clay excavation for transmission pipeline                                                             | 118      | m     | \$ 45     | \$ 5,304            |                     |
| 14.4               | Hand excavation for rock around transmission pipeline (extra over allowance)                          | 50       | m     | \$ 1,050  | \$ 52,500           |                     |
| 14.5               | Backfill stabilisation sand for transmission pipeline                                                 | 118      | m³    | \$ 150    | \$ 17,681           |                     |
| 14.6               | Wrap for transmission pipeline                                                                        | 50       | m     | \$ 500    | \$ 25,000           |                     |
| <b>15</b>          | <b>MISCELLANEOUS</b>                                                                                  |          |       |           |                     | <b>\$ -</b>         |
| 15.1               | Existing Road outside of new road pavements                                                           |          |       |           |                     |                     |
| 15.1.1             | Strip asphalt                                                                                         | -        | m²    | \$ 5      | \$ -                |                     |
| 15.1.2             | Recycle FCR to stockpile                                                                              | -        | m³    | \$ 10     | \$ -                |                     |
| 15.1.3             | backfill with structural fill                                                                         | -        | m³    | \$ 12     | \$ -                |                     |
| <b>16</b>          | <b>PROVISIONAL SUM - DAYWORK</b>                                                                      |          | Item  |           | \$ -                | <b>\$ -</b>         |
| <b>TOTAL A - C</b> |                                                                                                       |          |       |           | <b>\$ 3,808,983</b> | <b>\$ 3,808,983</b> |
| <b>D</b>           | <b>Contingency</b>                                                                                    |          |       |           |                     |                     |
|                    | Contingency (15% of C)                                                                                |          |       |           | 15%                 | <b>\$ 501,041</b>   |
| <b>E</b>           | <b>PROJECT BUDGET</b>                                                                                 |          |       |           |                     |                     |
|                    | Total Estimate                                                                                        |          |       |           |                     | <b>\$ 4,310,024</b> |
|                    | Total Estimate per linear metre                                                                       |          |       |           |                     | <b>5619</b>         |

AUTHOR: Asiri Rajapakse  
Date: 27/11/2015

REVIEWER: Rob Henry  
Date: 27/11/2015

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
RD-04

PM %: 8.61%

18 October 2016  
Version 3

| ITEM               | DESCRIPTION                                                                                           | QUANTITY | UNIT  | RATE      | AMOUNT              | SUBTOTAL            |
|--------------------|-------------------------------------------------------------------------------------------------------|----------|-------|-----------|---------------------|---------------------|
| <b>A</b>           | <b>Project and Program Management (%)</b>                                                             |          |       |           |                     | <b>\$ 167,088</b>   |
|                    | <b>Project Management</b>                                                                             |          | 3.00% | 2.58%     | \$ 100,253          |                     |
|                    | Project scoping, planning, scheduling, monitoring, reporting and commissioning                        |          |       |           |                     |                     |
|                    | Management of preconstruction activities, development of tender documents and management of contracts |          |       |           |                     |                     |
|                    | Managing external interfaces, including community liaison, environmental issues, traffic issues etc   |          |       |           |                     |                     |
|                    | Records management                                                                                    |          |       |           |                     |                     |
|                    | <b>Program Administration</b>                                                                         |          | 2.00% | 1.72%     | \$ 66,835           |                     |
| <b>B</b>           | <b>Design and Investigation (%)</b>                                                                   |          |       |           |                     | <b>\$ 367,594</b>   |
|                    | Traffic Investigations                                                                                |          | 0.85% | 0.73%     | \$ 28,405           |                     |
|                    | Cadastral and Engineering Survey                                                                      |          | 1.20% | 1.03%     | \$ 40,101           |                     |
|                    | Geotechnical investigations Pavement Investigations and Design                                        |          | 1.20% | 1.03%     | \$ 40,101           |                     |
|                    | Environmental Investigations                                                                          |          |       | 0.00%     | \$ -                |                     |
|                    | Landscape Design                                                                                      |          | 1.00% | 0.86%     | \$ 33,418           |                     |
|                    | Preliminary and Final Design                                                                          |          | 4.25% | 3.66%     | \$ 142,025          |                     |
|                    | Construction Management                                                                               |          | 2.50% | 2.15%     | \$ 83,544           |                     |
| <b>C</b>           | <b>Construction</b>                                                                                   |          |       |           | <b>\$ 3,881,258</b> | <b>\$ 3,881,258</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                                                  |          |       |           |                     | <b>\$ 244,000</b>   |
| 1.1                | Site establishment                                                                                    | 1        | Item  | \$ 98,000 | \$ 98,000           |                     |
| 1.2                | Site management & supervision including QA                                                            | 20       | wks   | \$ 2,500  | \$ 50,000           |                     |
| 1.3                | Provision for traffic                                                                                 | 1        | Item  | \$ 96,000 | \$ 96,000           |                     |
| <b>2</b>           | <b>DEMOLITION</b>                                                                                     |          |       |           |                     | <b>\$ -</b>         |
| 2.1                | Trees                                                                                                 | -        | No    | \$ 500    | \$ -                |                     |
| 2.2                | Strip asphalt from existing pavement                                                                  | -        | m²    | \$ 5      | \$ -                |                     |
| <b>3</b>           | <b>EARTHWORKS</b>                                                                                     |          |       |           |                     | <b>\$ 826,841</b>   |
| 3.1                | Stripping topsoil (150mm)                                                                             | 8,990    | m²    | \$ 6      | \$ 53,938           |                     |
| 3.2                | Excavation and removal (inc. reclamation of FCR) - of pavement areas                                  | 3,496    | m³    | \$ 30     | \$ 104,876          |                     |
| 3.3                | Cut and Fill Allowance                                                                                | 21,568   | m³    | \$ 30     | \$ 647,052          |                     |
| 3.4                | Soft spot rectification (reclaimed FCR)                                                               | 1,398    | m³    | \$ 15     | \$ 20,975           |                     |
| <b>4</b>           | <b>PAVEMENT</b>                                                                                       |          |       |           |                     | <b>\$ 1,511,707</b> |
| 4.1                | Deep lift asphalt 195 mm                                                                              | 5,693    | m²    | \$ 105    | \$ 597,765          |                     |
| 4.2                | Subbase course - 250 mm 3% CTCR                                                                       | 6,992    | m²    | \$ 55     | \$ 384,544          |                     |
| 4.3                | Shoulder - full depth pavement                                                                        | 999      | m²    | \$ 145    | \$ 144,855          |                     |
| 4.4                | Rock excavation & sub-surface remediation 450mm                                                       | 6,992    | m²    | \$ 55     | \$ 384,544          |                     |
| <b>5</b>           | <b>DRAINAGE</b>                                                                                       |          |       |           |                     | <b>\$ 306,893</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                                                                 | 1,998    | Lm    | \$ 30     | \$ 59,940           |                     |
| 5.2                | Subsoil drains 100mm dia - no fines conc                                                              | -        | Lm    | \$ 45     | \$ -                |                     |
| 5.3                | 375 RCP (class 2)                                                                                     | 1,159    | Lm    | \$ 170    | \$ 197,003          |                     |
| 5.4                | Side entry pits                                                                                       | 20       | No    | \$ 2,500  | \$ 49,950           |                     |
| 5.5                | Allowance to modify drainage to ultimate location                                                     |          | item  | \$ 86,800 | \$ -                |                     |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                                                 |          |       |           |                     | <b>\$ 309,820</b>   |
| 6.1                | Kerb & channel                                                                                        | 999      | Lm    | \$ 50     | \$ 49,950           |                     |
| 6.2                | Shared Paths (3.0m wide, 125 mm, residential, as per MPA)                                             | 999      | Lm    | \$ 130    | \$ 129,870          |                     |
| 6.3                | Footpaths (1.5m wide, 125 mm, residential, as per MPA)                                                | -        | No    | \$ 65     | \$ -                |                     |
| 6.4                | Laybacks and tactile pavers                                                                           | -        | m²    | \$ 850    | \$ -                |                     |
| 6.5                | 10m concrete maintenance area end of all islands                                                      | -        | m²    | \$ 85     | \$ -                |                     |
| 6.6                | Additional Shared Paths                                                                               | 1,000    | Lm    | \$ 130    | \$ 130,000          |                     |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                                           |          |       |           |                     | <b>\$ -</b>         |
| <b>8</b>           | <b>SIGNAL MAINTENANCE (10 YEARS) by Road Authority</b>                                                |          |       |           |                     | <b>\$ -</b>         |
| <b>9</b>           | <b>POWER &amp; LIGHTING</b>                                                                           |          |       |           |                     | <b>\$ 228,368</b>   |
| 9.1                | Light pole (1-way) and luminous lights                                                                | -        | No    | \$ 8,000  | \$ -                |                     |
| 9.2                | Light pole (2-way) and luminous lights                                                                | 14       | No    | \$ 9,000  | \$ 128,443          |                     |
| 9.3                | JUP lighting single                                                                                   | -        | No    | \$ 4,000  | \$ -                |                     |
| 9.4                | JUP lighting dual                                                                                     | -        | No    | \$ 5,000  | \$ -                |                     |
| 9.5                | Cabling, conduits and pits                                                                            | 999      | Lm    | \$ 75     | \$ 74,925           |                     |
| 9.6                | Electrical connection                                                                                 | 1        | Item  | \$ 15,000 | \$ 15,000           |                     |
| 9.7                | Removal & replacement of pole-mounted substation                                                      | 2        | Item  | \$ 5,000  | \$ 10,000           |                     |
| <b>10</b>          | <b>LANDSCAPING WORKS</b>                                                                              |          |       |           |                     | <b>\$ 113,279</b>   |
| 10.1               | Topsoiling seeding                                                                                    | 12,488   | m²    | \$ 8.50   | \$ 106,144          |                     |
| 10.2               | Tree planting                                                                                         | 29       | No    | \$ 250.00 | \$ 7,136            |                     |
| <b>11</b>          | <b>SIGNING</b>                                                                                        |          |       |           |                     | <b>\$ 10,000</b>    |
| <b>12</b>          | <b>LINEMARKING (Thermoplastic)</b>                                                                    |          |       |           |                     | <b>\$ 30,000</b>    |
| <b>13</b>          | <b>SERVICE RELOCATION</b>                                                                             |          |       |           |                     | <b>\$ 300,350</b>   |
| 13.1               | Relocate power pole (HV)                                                                              | 10       | No    | \$ 7,500  | \$ 75,000           |                     |
| 13.2               | Telecom conduiting                                                                                    | 999      | Lm    | \$ 150    | \$ 149,850          |                     |
| 13.3               | Telecom cabling                                                                                       | 1        | Item  | \$ 50,000 | \$ 50,000           |                     |
| 13.4               | Remove redundant telecom pole                                                                         | 17       | No    | \$ 1,500  | \$ 25,500           |                     |
| <b>14</b>          | <b>MISCELLANEOUS</b>                                                                                  |          |       |           |                     | <b>\$ -</b>         |
|                    | Existing Road outside of new road pavements                                                           |          |       |           |                     |                     |
| 14.1               | Strip asphalt                                                                                         | -        | m²    | \$ 5      | \$ -                |                     |
| 14.2               | Recycle FCR to stockpile                                                                              | -        | m³    | \$ 10     | \$ -                |                     |
| 14.3               | backfill with structural fill                                                                         | -        | m³    | \$ 12     | \$ -                |                     |
| 14.4               | Topsoiling                                                                                            | -        | m²    | \$ 8.50   | \$ -                |                     |
| <b>15</b>          | <b>PROVISIONAL SUM - DAYWORK</b>                                                                      |          |       |           |                     | <b>\$ -</b>         |
|                    |                                                                                                       |          | item  |           | \$ -                | \$ -                |
| <b>TOTAL A - C</b> |                                                                                                       |          |       |           | <b>\$ 4,415,940</b> | <b>\$ 4,415,940</b> |
| <b>D</b>           | <b>Contingency</b>                                                                                    |          |       |           |                     |                     |
|                    | Contingency (15% of C)                                                                                |          |       |           | 15%                 | <b>\$ 582,189</b>   |
| <b>E</b>           | <b>PROJECT BUDGET</b>                                                                                 |          |       |           |                     |                     |
|                    | Total Estimate                                                                                        |          |       |           |                     | <b>\$ 4,998,129</b> |
|                    | Total Estimate per linear metre                                                                       |          |       |           |                     | <b>5003</b>         |

AUTHOR: Asiri Rajapakse  
Date: 27/11/2015

REVIEWER: Rob Henry  
Date: 27/11/2015

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS  
V160221T  
Wollert PSP  
RD-05

PM %: 8.70%

18 October 2016  
Version 3

| ITEM               | DESCRIPTION                                                                                           | QUANTITY | UNIT  | RATE      | AMOUNT              | SUBTOTAL            |
|--------------------|-------------------------------------------------------------------------------------------------------|----------|-------|-----------|---------------------|---------------------|
| <b>A</b>           | <b>Project and Program Management (%)</b>                                                             |          |       |           |                     | <b>\$ 154,886</b>   |
|                    | <b>Project Management</b>                                                                             |          | 3.00% | 2.61%     | \$ 92,931           |                     |
|                    | Project scoping, planning, scheduling, monitoring, reporting and commissioning                        |          |       |           |                     |                     |
|                    | Management of preconstruction activities, development of tender documents and management of contracts |          |       |           |                     |                     |
|                    | Managing external interfaces, including community liaison, environmental issues, traffic issues etc   |          |       |           |                     |                     |
|                    | Records management                                                                                    |          |       |           |                     |                     |
|                    | <b>Program Administration</b>                                                                         |          | 2.00% | 1.74%     | \$ 61,954           |                     |
| <b>B</b>           | <b>Design and Investigation (%)</b>                                                                   |          |       |           |                     | <b>\$ 340,748</b>   |
|                    | Traffic Investigations                                                                                |          | 0.85% | 0.74%     | \$ 26,331           |                     |
|                    | Cadastral and Engineering Survey                                                                      |          | 1.20% | 1.04%     | \$ 37,173           |                     |
|                    | Geotechnical investigations Pavement Investigations and Design                                        |          | 1.20% | 1.04%     | \$ 37,173           |                     |
|                    | Environmental Investigations                                                                          |          |       | 0.00%     | \$ -                |                     |
|                    | Landscape Design                                                                                      |          | 1.00% | 0.87%     | \$ 30,977           |                     |
|                    | Preliminary and Final Design                                                                          |          | 4.25% | 3.70%     | \$ 131,653          |                     |
|                    | Construction Management                                                                               |          | 2.50% | 2.18%     | \$ 77,443           |                     |
| <b>C</b>           | <b>Construction</b>                                                                                   |          |       |           | <b>\$ 3,560,588</b> | <b>\$ 3,560,588</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                                                                  |          |       |           |                     | <b>\$ 236,000</b>   |
| 1.1                | Site establishment                                                                                    | 1        | Item  | \$ 90,000 | \$ 90,000           |                     |
| 1.2                | Site management & supervision including QA                                                            | 20       | wks   | \$ 2,500  | \$ 50,000           |                     |
| 1.3                | Provision for traffic                                                                                 | 1        | Item  | \$ 96,000 | \$ 96,000           |                     |
| <b>2</b>           | <b>DEMOLITION</b>                                                                                     |          |       |           |                     | <b>\$ 25,800</b>    |
| 2.1                | Trees                                                                                                 | -        | No    | \$ 500    | \$ -                |                     |
| 2.2                | Strip asphalt from existing pavement                                                                  | 5,160    | m²    | \$ 5      | \$ 25,800           |                     |
| <b>3</b>           | <b>EARTHWORKS</b>                                                                                     |          |       |           |                     | <b>\$ 650,630</b>   |
| 3.1                | Stripping topsoil (150mm)                                                                             | 2,860    | m²    | \$ 6      | \$ 17,160           |                     |
| 3.2                | Excavation and removal (inc. reclamation of FCR) - of pavement areas                                  | 4,010    | m³    | \$ 30     | \$ 120,300          |                     |
| 3.3                | Cut and Fill Allowance                                                                                | 16,304   | m³    | \$ 30     | \$ 489,110          |                     |
| 3.4                | Soft spot rectification (reclaimed FCR)                                                               | 1,604    | m³    | \$ 15     | \$ 24,060           |                     |
| <b>4</b>           | <b>PAVEMENT</b>                                                                                       |          |       |           |                     | <b>\$ 1,534,460</b> |
| 4.1                | Deep lift asphalt 195 mm                                                                              | 6,212    | m²    | \$ 105    | \$ 652,260          |                     |
| 4.2                | Subbase course - 250 mm 3% CTCR                                                                       | 8,020    | m²    | \$ 55     | \$ 441,100          |                     |
| 4.3                | Shoulder - full depth pavement                                                                        | -        | m²    | \$ 145    | \$ -                |                     |
| 4.4                | Rock excavation & sub-surface remediation 450mm                                                       | 8,020    | m²    | \$ 55     | \$ 441,100          |                     |
| <b>5</b>           | <b>DRAINAGE</b>                                                                                       |          |       |           |                     | <b>\$ 349,878</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                                                                 | 1,808    | Lm    | \$ 30     | \$ 54,240           |                     |
| 5.2                | Subsoil drains 100mm dia - no fines conc                                                              | -        | Lm    | \$ 45     | \$ -                |                     |
| 5.3                | 375 RCP (class 2)                                                                                     | 1,207    | Lm    | \$ 170    | \$ 205,238          |                     |
| 5.4                | Side entry pits                                                                                       | 36       | No    | \$ 2,500  | \$ 90,400           |                     |
| 5.5                | Allowance to modify drainage to ultimate location                                                     |          | item  | \$ 86,800 | \$ -                |                     |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                                                                 |          |       |           |                     | <b>\$ 90,400</b>    |
| 6.1                | Kerb & channel                                                                                        | 1,808    | Lm    | \$ 50     | \$ 90,400           |                     |
| 6.2                | Shared Paths (3.0m wide, 125 mm, residential, as per MPA)                                             | -        | Lm    | \$ 130    | \$ -                |                     |
| 6.3                | Footpaths (1.5m wide, 125 mm, residential, as per MPA)                                                | -        | No    | \$ 65     | \$ -                |                     |
| 6.4                | Laybacks and tactile pavers                                                                           | -        | m²    | \$ 850    | \$ -                |                     |
| 6.5                | 10m concrete maintenance area end of all islands                                                      | -        | m²    | \$ 85     | \$ -                |                     |
| <b>7</b>           | <b>TRAFFIC SIGNAL WORKS</b>                                                                           |          | NA    |           |                     | <b>\$ -</b>         |
| <b>8</b>           | <b>SIGNAL MAINTENANCE (10 YEARS) by Road Authority</b>                                                |          | NA    |           |                     | <b>\$ -</b>         |
| <b>9</b>           | <b>POWER &amp; LIGHTING</b>                                                                           |          |       |           |                     | <b>\$ 211,879</b>   |
| 9.1                | Light pole (1-way) and luminous lights                                                                | -        | No    | \$ 8,000  | \$ -                |                     |
| 9.2                | Light pole (2-way) and luminous lights                                                                | 13       | No    | \$ 9,000  | \$ 118,029          |                     |
| 9.3                | JUP lighting single                                                                                   | -        | No    | \$ 4,000  | \$ -                |                     |
| 9.4                | JUP lighting dual                                                                                     | -        | No    | \$ 5,000  | \$ -                |                     |
| 9.5                | Cabling, conduits and pits                                                                            | 918      | Lm    | \$ 75     | \$ 68,850           |                     |
| 9.6                | Electrical connection                                                                                 | 1        | Item  | \$ 15,000 | \$ 15,000           |                     |
| 9.7                | Removal & replacement of pole-mounted substation                                                      | 2        | Item  | \$ 5,000  | \$ 10,000           |                     |
| <b>10</b>          | <b>LANDSCAPING WORKS</b>                                                                              |          |       |           |                     | <b>\$ 14,241</b>    |
| 10.1               | Topsoiling seeding                                                                                    | 904      | m²    | \$ 8.50   | \$ 7,684            |                     |
| 10.2               | Tree planting                                                                                         | 26       | No    | \$ 250.00 | \$ 6,557            |                     |
| <b>11</b>          | <b>SIGNING</b>                                                                                        |          |       |           |                     | <b>\$ 10,000</b>    |
| 11.1               | Signage                                                                                               | 1        | item  | \$ 10,000 | \$ 10,000           |                     |
| <b>12</b>          | <b>LINEMARKING (Thermoplastic)</b>                                                                    |          |       |           |                     | <b>\$ 30,000</b>    |
| 12.1               | Line marking                                                                                          | 1        | item  | \$ 30,000 | \$ 30,000           |                     |
| <b>13</b>          | <b>SERVICE RELOCATION</b>                                                                             |          |       |           |                     | <b>\$ 291,200</b>   |
| 13.1               | Relocate power pole (HV)                                                                              | 11       | No    | \$ 7,500  | \$ 82,500           |                     |
| 13.2               | Telecom conduiting                                                                                    | 918      | Lm    | \$ 150    | \$ 137,700          |                     |
| 13.3               | Telecom cabling                                                                                       | 1        | Item  | \$ 50,000 | \$ 50,000           |                     |
| 13.4               | Remove redundant telecom pole                                                                         | 14       | No    | \$ 1,500  | \$ 21,000           |                     |
| <b>14</b>          | <b>MISCELLANEOUS</b>                                                                                  |          |       |           |                     | <b>\$ 116,100</b>   |
| 14.1               | Existing Road outside of new road pavements                                                           |          |       |           |                     |                     |
| 14.1               | Strip asphalt                                                                                         | 5,160    | m²    | \$ 5      | \$ 25,800           |                     |
| 14.2               | Recycle FCR to stockpile                                                                              | 1,548    | m³    | \$ 10     | \$ 15,480           |                     |
| 14.3               | backfill with structural fill                                                                         | 2,580    | m³    | \$ 12     | \$ 30,960           |                     |
| 14.4               | Topsoiling                                                                                            | 5,160    | m²    | \$ 8.50   | \$ 43,860           |                     |
| <b>15</b>          | <b>PROVISIONAL SUM - DAYWORK</b>                                                                      |          | item  |           | \$ -                | <b>\$ -</b>         |
| <b>TOTAL A - C</b> |                                                                                                       |          |       |           | <b>\$ 4,056,222</b> | <b>\$ 4,056,222</b> |
| <b>D</b>           | <b>Contingency</b>                                                                                    |          |       |           |                     |                     |
|                    | Contingency (15% of C)                                                                                |          |       |           | 15%                 | <b>\$ 534,088</b>   |
| <b>E</b>           | <b>PROJECT BUDGET</b>                                                                                 |          |       |           |                     |                     |
|                    | Total Estimate                                                                                        |          |       |           |                     | <b>\$ 4,590,310</b> |
|                    | Total Estimate per linear metre                                                                       |          |       |           |                     | <b>5000</b>         |

AUTHOR: Asiri Rajapakse  
Date: 27/11/2015

REVIEWER: Rob Henry  
Date: 27/11/2015

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS

18 October 2016

V160221T

Version 3

Wollert PSP

PM %: 8.80%

RD-06

Between Koukoura Drive & Connector Boulevard

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT  | RATE         | AMOUNT          | SUBTOTAL        |
|--------------------|-------------------------------------------------------------------|----------|-------|--------------|-----------------|-----------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |       |              |                 | \$ 80,758.07    |
|                    | Project Management                                                |          | 3.00% | 2.64%        | \$ 48,454.84    |                 |
|                    | Program Administration                                            |          | 2.00% | 1.76%        | \$ 32,303.23    |                 |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |       |              |                 | \$ -            |
|                    | Completed in pre-interim                                          |          | N/A   | N/A          |                 |                 |
| <b>C</b>           | <b>Additional Items</b>                                           |          |       |              |                 | \$ 130,536.12   |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | 1        | Item  | \$ 45,885.27 | \$ 45,885.27    | \$ 45,885.27    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |       |              |                 | \$ 25,000.00    |
| 2.1                | Relocating Power Pole (HV)                                        | 1        | No    | \$ 7,500.00  | \$ 7,500.00     |                 |
| 2.2                | Relocating Communication Pole                                     | 5        | No    | \$ 3,500.00  | \$ 17,500.00    |                 |
| 2.3                | Relocating light pole                                             |          | No    | \$ 3,000.00  | \$ -            |                 |
| 2.4                | Telecom conduiting                                                |          | Lm    | \$ 150.00    | \$ -            |                 |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item  | \$ 25,000.00 | \$ -            |                 |
| 2.6                | Remove redundant telecom pole                                     |          | No    | \$ 1,500.00  | \$ -            |                 |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |       |              |                 | \$ 59,650.85    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item  | \$ 59,650.85 | \$ 59,650.85    |                 |
| <b>D</b>           | <b>Construction</b>                                               |          |       |              | \$ 1,835,410.75 | \$ 1,835,410.75 |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |       |              |                 | \$ 65,000.00    |
| 1.1                | Site management & supervision including QA                        | 10       | weeks | \$ 2,500.00  | \$ 25,000.00    |                 |
| 1.2                | Provision for traffic                                             | 1        | Item  | \$ 40,000.00 | \$ 40,000.00    |                 |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |       |              |                 | \$ 48,800.00    |
| 2.1                | Trees                                                             | 15       | No    | \$ 500.00    | \$ 7,500.00     |                 |
| 2.2                | Demolition of existing Road                                       | 1        | Item  | \$ 21,300.00 | \$ 21,300.00    |                 |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm    | \$ 45.00     | \$ -            |                 |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm    | \$ 55.00     | \$ -            |                 |
| 2.5                | Demolition of existing building                                   |          | Item  | \$ 50,000.00 | \$ -            |                 |
| 2.6                | Demolition of existing fence                                      | 1        | Item  | \$ 20,000.00 | \$ 20,000.00    |                 |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |       |              |                 | \$ 436,725.50   |
| 3.1                | Stripping topsoil (150mm)                                         | 11,735   | m²    | \$ 6.00      | \$ 70,410.00    |                 |
| 3.2                | Cutting                                                           | 5,384    | m³    | \$ 15.00     | \$ 80,752.50    |                 |
| 3.3                | Filling and compact                                               | 717.80   | m³    | \$ 12.00     | \$ 8,613.60     |                 |
| 3.4                | Cart off excess material                                          | 4,666    | m³    | \$ 15.00     | \$ 69,985.50    |                 |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 1,010    | m³    | \$ 30.00     | \$ 30,287.40    |                 |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 2,524    | m²    | \$ 70.00     | \$ 176,676.50   |                 |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |       |              |                 | \$ 759,314.50   |
| 4.1                | Deep lift asphalt 195 mm                                          | 3,589    | m²    | \$ 105.00    | \$ 376,845.00   |                 |
| 4.2                | Sub-base course - 250 mm 3% CTR                                   | 5,048    | m²    | \$ 55.00     | \$ 277,634.50   |                 |
| 4.3                | Shoulder - full depth pavement                                    | 723      | m²    | \$ 145.00    | \$ 104,835.00   |                 |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |       |              |                 | \$ 177,880.00   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 1,621    | Lm    | \$ 30.00     | \$ 48,630.00    |                 |
| 5.2                | 375 RCP (class 2)                                                 | 525      | Lm    | \$ 170.00    | \$ 89,250.00    |                 |
| 5.3                | Side entry pits                                                   | 16       | No    | \$ 2,500.00  | \$ 40,000.00    |                 |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |       |              |                 | \$ 186,155.00   |
| 6.1                | Kerb & channel                                                    | 1,621    | Lm    | \$ 50.00     | \$ 81,050.00    |                 |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 404      | Lm    | \$ 130.00    | \$ 52,520.00    |                 |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 809      | Lm    | \$ 65.00     | \$ 52,585.00    |                 |
| 6.4                | Laybacks and tactile pavers                                       |          | No    | \$ 850.00    | \$ -            |                 |
| 6.5                | Concrete island infill                                            | -        | m²    | \$ 120.00    | \$ -            |                 |
| 6.6                | 10m concrete maintenance area end of all islands                  | -        | m²    | \$ 85.00     | \$ -            |                 |
| <b>7</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |       |              |                 | \$ 106,000.00   |
| 7.1                | Light pole (1-way) and luminous lights                            | 7        | No    | \$ 8,000.00  | \$ 56,000.00    |                 |
| 7.2                | Light pole (2-way) and luminous lights                            |          | No    | \$ 9,000.00  | \$ -            |                 |
| 7.3                | JUP lighting single                                               |          | No    | \$ 4,000.00  | \$ -            |                 |
| 7.4                | JUP lighting dual                                                 |          | No    | \$ 5,000.00  | \$ -            |                 |
| 7.5                | Cabling, conduits and pits                                        | 1        | Item  | \$ 35,000.00 | \$ 35,000.00    |                 |
| 7.6                | Electrical connection                                             | 1        | Item  | \$ 15,000.00 | \$ 15,000.00    |                 |
| <b>8</b>           | <b>LANDSCAPING WORKS</b>                                          |          |       |              |                 | \$ 30,535.75    |
| 8.1                | Topsoiling seeding                                                | 3,240    | m²    | \$ 8.50      | \$ 27,535.75    |                 |
| 8.2                | Tree planting                                                     | 12       | No    | \$ 250.00    | \$ 3,000.00     |                 |
| <b>9</b>           | <b>DELINEATION</b>                                                |          |       |              |                 | \$ 25,000.00    |
| 9.1                | Signing                                                           | 1        | item  | \$ 5,000.00  | \$ 5,000.00     |                 |
| 9.2                | Linemarking (Thermoplastic)                                       | 1        | item  | \$ 20,000.00 | \$ 20,000.00    |                 |
| <b>TOTAL A - D</b> |                                                                   |          |       |              | \$ 2,046,704.94 | \$ 2,046,704.94 |
| <b>E</b>           | <b>Contingency</b>                                                |          |       |              |                 |                 |
|                    | Contingency (15% of D)                                            |          |       |              | 15%             | \$ 275,311.61   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |       |              |                 |                 |
|                    | Total Estimate                                                    |          |       |              |                 | \$ 2,322,016.55 |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS

V160221T

Wollert PSP

RD-06

Between Bodycoats Road & Andrew Road

PM %: 8.80%

18 October 2016

Version 3

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT        | RATE                | AMOUNT                 | SUBTOTAL               |
|--------------------|-------------------------------------------------------------------|----------|-------------|---------------------|------------------------|------------------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |             |                     |                        | <b>\$ 49,114.73</b>    |
|                    | Project Management                                                |          | 3.00%       | 2.64%               | \$ 29,468.84           |                        |
|                    | Program Administration                                            |          | 2.00%       | 1.76%               | \$ 19,645.89           |                        |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |             |                     |                        | <b>\$ -</b>            |
|                    | Completed in pre-interim                                          |          | N/A         | N/A                 |                        |                        |
| <b>C</b>           | <b>Additional Items</b>                                           |          |             |                     |                        | <b>\$ 93,184.02</b>    |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | <b>1</b> | <b>Item</b> | <b>\$ 27,906.10</b> | <b>\$ 27,906.10</b>    | <b>\$ 27,906.10</b>    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |             |                     |                        | <b>\$ 29,000.00</b>    |
| 2.1                | Relocating Power Pole (HV)                                        | 2        | No          | \$ 7,500.00         | \$ 15,000.00           |                        |
| 2.2                | Relocating Communication Pole                                     | 4        | No          | \$ 3,500.00         | \$ 14,000.00           |                        |
| 2.3                | Relocating light pole                                             |          | No          | \$ 3,000.00         | \$ -                   |                        |
| 2.4                | Telecom conduiting                                                |          | Lm          | \$ 150.00           | \$ -                   |                        |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item        | \$ 25,000.00        | \$ -                   |                        |
| 2.6                | Remove redundant telecom pole                                     |          | No          | \$ 1,500.00         | \$ -                   |                        |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |             |                     |                        | <b>\$ 36,277.92</b>    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item        | \$ 36,277.92        | \$ 36,277.92           |                        |
| <b>D</b>           | <b>Construction</b>                                               |          |             |                     | <b>\$ 1,116,243.80</b> | <b>\$ 1,116,243.80</b> |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |             |                     |                        | <b>\$ 65,000.00</b>    |
| 1.1                | Site management & supervision including QA                        | 10       | weeks       | \$ 2,500.00         | \$ 25,000.00           |                        |
| 1.2                | Provision for traffic                                             | 1        | Item        | \$ 40,000.00        | \$ 40,000.00           |                        |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |             |                     |                        | <b>\$ 67,820.00</b>    |
| 2.1                | Trees                                                             | 50       | No          | \$ 500.00           | \$ 25,000.00           |                        |
| 2.2                | Demolition of existing Road                                       | 1        | Item        | \$ 22,820.00        | \$ 22,820.00           |                        |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm          | \$ 45.00            | \$ -                   |                        |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm          | \$ 55.00            | \$ -                   |                        |
| 2.5                | Demolition of existing building                                   |          | Item        | \$ 50,000.00        | \$ -                   |                        |
| 2.6                | Demolition of existing fence                                      | 1        | Item        | \$ 20,000.00        | \$ 20,000.00           |                        |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |             |                     |                        | <b>\$ 227,176.80</b>   |
| 3.1                | Stripping topsoil (150mm)                                         | 5,685    | m²          | \$ 6.00             | \$ 34,110.00           |                        |
| 3.2                | Cutting                                                           | 2,834    | m³          | \$ 15.00            | \$ 42,502.50           |                        |
| 3.3                | Filling and compact                                               | 1,259.33 | m³          | \$ 12.00            | \$ 15,112.00           |                        |
| 3.4                | Cart off excess material                                          | 1,574    | m³          | \$ 15.00            | \$ 23,612.50           |                        |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 546      | m³          | \$ 30.00            | \$ 16,366.80           |                        |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 1,364    | m²          | \$ 70.00            | \$ 95,473.00           |                        |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |             |                     |                        | <b>\$ 427,979.00</b>   |
| 4.1                | Deep lift asphalt 195 mm                                          | 1,889    | m²          | \$ 105.00           | \$ 198,345.00          |                        |
| 4.2                | Sub-base course - 250 mm 3% CTR                                   | 2,728    | m²          | \$ 55.00            | \$ 150,029.00          |                        |
| 4.3                | Shoulder - full depth pavement                                    | 549      | m²          | \$ 145.00           | \$ 79,605.00           |                        |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |             |                     |                        | <b>\$ 118,960.00</b>   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 932      | Lm          | \$ 30.00            | \$ 27,960.00           |                        |
| 5.2                | 375 RCP (class 2)                                                 | 300      | Lm          | \$ 170.00           | \$ 51,000.00           |                        |
| 5.3                | Side entry pits                                                   | 16       | No          | \$ 2,500.00         | \$ 40,000.00           |                        |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |             |                     |                        | <b>\$ 91,515.00</b>    |
| 6.1                | Kerb & channel                                                    | 932      | Lm          | \$ 50.00            | \$ 46,600.00           |                        |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 230      | Lm          | \$ 130.00           | \$ 29,900.00           |                        |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 231      | Lm          | \$ 65.00            | \$ 15,015.00           |                        |
| 6.4                | Laybacks and tactile pavers                                       |          | No          | \$ 850.00           | \$ -                   |                        |
| 6.5                | Concrete island infill                                            | -        | m²          | \$ 120.00           | \$ -                   |                        |
| 6.6                | 10m concrete maintenance area end of all islands                  | -        | m²          | \$ 85.00            | \$ -                   |                        |
| <b>7</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |             |                     |                        | <b>\$ 80,000.00</b>    |
| 7.1                | Light pole (1-way) and luminous lights                            | 5        | No          | \$ 8,000.00         | \$ 40,000.00           |                        |
| 7.2                | Light pole (2-way) and luminous lights                            |          | No          | \$ 9,000.00         | \$ -                   |                        |
| 7.3                | JUP lighting single                                               |          | No          | \$ 4,000.00         | \$ -                   |                        |
| 7.4                | JUP lighting dual                                                 |          | No          | \$ 5,000.00         | \$ -                   |                        |
| 7.5                | Cabling, conduits and pits                                        | 1        | Item        | \$ 30,000.00        | \$ 30,000.00           |                        |
| 7.6                | Electrical connection                                             | 1        | Item        | \$ 10,000.00        | \$ 10,000.00           |                        |
| <b>8</b>           | <b>LANDSCAPING WORKS</b>                                          |          |             |                     |                        | <b>\$ 17,793.00</b>    |
| 8.1                | Topsoiling seeding                                                | 1,858    | m²          | \$ 8.50             | \$ 15,793.00           |                        |
| 8.2                | Tree planting                                                     | 8        | No          | \$ 250.00           | \$ 2,000.00            |                        |
| <b>9</b>           | <b>DELINEATION</b>                                                |          |             |                     |                        | <b>\$ 20,000.00</b>    |
| 9.1                | Signing                                                           | 1        | item        | \$ 5,000.00         | \$ 5,000.00            |                        |
| 9.2                | Linemarking (Thermoplastic)                                       | 1        | item        | \$ 15,000.00        | \$ 15,000.00           |                        |
| <b>TOTAL A - D</b> |                                                                   |          |             |                     | <b>\$ 1,258,542.55</b> | <b>\$ 1,258,542.55</b> |
| <b>E</b>           | <b>Contingency</b>                                                |          |             |                     |                        |                        |
|                    | Contingency (15% of D)                                            |          |             |                     | 15%                    | <b>\$ 167,436.57</b>   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |             |                     |                        |                        |
|                    | Total Estimate                                                    |          |             |                     |                        | <b>\$ 1,425,979.12</b> |

PRELIMINARY ESTIMATE OF DEVELOPMENT COSTS

V160221T

Wollert PSP

RD-06

Between Andrew Road & Epping Road

PM %: 8.80%

18 October 2016

Version 3

| ITEM               | DESCRIPTION                                                       | QUANTITY | UNIT  | RATE         | AMOUNT          | SUBTOTAL        |
|--------------------|-------------------------------------------------------------------|----------|-------|--------------|-----------------|-----------------|
| <b>A</b>           | <b>Project and Program Management</b>                             |          |       |              |                 | \$ 46,667.11    |
|                    | Project Management                                                |          | 3.00% | 2.64%        | \$ 28,000.26    |                 |
|                    | Program Administration                                            |          | 2.00% | 1.76%        | \$ 18,666.84    |                 |
| <b>B</b>           | <b>Design and Investigation</b>                                   |          |       |              |                 | \$ -            |
|                    | Completed in pre-interim                                          |          | N/A   | N/A          |                 |                 |
| <b>C</b>           | <b>Additional Items</b>                                           |          |       |              |                 | \$ 93,985.42    |
| <b>1</b>           | <b>SITE ESTABLISHMENT</b>                                         | 1        | Item  | \$ 26,515.40 | \$ 26,515.40    | \$ 26,515.40    |
| <b>2</b>           | <b>SERVICE RELOCATION</b>                                         |          |       |              |                 | \$ 33,000.00    |
| 2.1                | Relocating Power Pole (HV)                                        | 3        | No    | \$ 7,500.00  | \$ 22,500.00    |                 |
| 2.2                | Relocating Communication Pole                                     | 3        | No    | \$ 3,500.00  | \$ 10,500.00    |                 |
| 2.3                | Relocating light pole                                             |          | No    | \$ 3,000.00  | \$ -            |                 |
| 2.4                | Telecom conduiting                                                |          | Lm    | \$ 150.00    | \$ -            |                 |
| 2.5                | Telecom cabling (re-pulling)                                      |          | Item  | \$ 25,000.00 | \$ -            |                 |
| 2.6                | Remove redundant telecom pole                                     |          | No    | \$ 1,500.00  | \$ -            |                 |
| <b>3</b>           | <b>VicRoads</b>                                                   |          |       |              |                 | \$ 34,470.02    |
| 3.1                | VicRoads approvals/construction fees (3.25% of construction)      | 1        | Item  | \$ 34,470.02 | \$ 34,470.02    |                 |
| <b>D</b>           | <b>Construction</b>                                               |          |       |              | \$ 1,060,616.05 | \$ 1,060,616.05 |
| <b>1</b>           | <b>PRELIMINARIES</b>                                              |          |       |              |                 | \$ 65,000.00    |
| 1.1                | Site management & supervision including QA                        | 10       | weeks | \$ 2,500.00  | \$ 25,000.00    |                 |
| 1.2                | Provision for traffic                                             | 1        | Item  | \$ 40,000.00 | \$ 40,000.00    |                 |
| <b>2</b>           | <b>DEMOLITION</b>                                                 |          |       |              |                 | \$ 59,100.00    |
| 2.1                | Trees                                                             | 30       | No    | \$ 500.00    | \$ 15,000.00    |                 |
| 2.2                | Demolition of existing Road                                       | 1        | Item  | \$ 24,100.00 | \$ 24,100.00    |                 |
| 2.3                | Breakout of existing kerb & channel                               |          | Lm    | \$ 45.00     | \$ -            |                 |
| 2.4                | Demolition of existing pedestrian footpath                        |          | Lm    | \$ 55.00     | \$ -            |                 |
| 2.5                | Demolition of existing building                                   |          | Item  | \$ 50,000.00 | \$ -            |                 |
| 2.6                | Demolition of existing fence                                      | 1        | Item  | \$ 20,000.00 | \$ 20,000.00    |                 |
| <b>3</b>           | <b>EARTHWORKS</b>                                                 |          |       |              |                 | \$ 219,150.30   |
| 3.1                | Stripping topsoil (150mm)                                         | 5,520    | m²    | \$ 6.00      | \$ 33,120.00    |                 |
| 3.2                | Cutting                                                           | 2,738    | m³    | \$ 15.00     | \$ 41,062.50    |                 |
| 3.3                | Filling and compact                                               | 1,216.67 | m³    | \$ 12.00     | \$ 14,600.00    |                 |
| 3.4                | Cart off excess material                                          | 1,521    | m³    | \$ 15.00     | \$ 22,812.50    |                 |
| 3.5                | Soft spot rectification (reclaimed FCR)                           | 525      | m³    | \$ 30.00     | \$ 15,739.80    |                 |
| 3.6                | Rock excavation & sub-surface remediation 450mm                   | 1,312    | m²    | \$ 70.00     | \$ 91,815.50    |                 |
| <b>4</b>           | <b>PAVEMENT</b>                                                   |          |       |              |                 | \$ 405,506.50   |
| 4.1                | Deep lift asphalt 195 mm                                          | 1,825    | m²    | \$ 105.00    | \$ 191,625.00   |                 |
| 4.2                | Sub-base course - 250 mm 3% CTR                                   | 2,623    | m²    | \$ 55.00     | \$ 144,281.50   |                 |
| 4.3                | Shoulder - full depth pavement                                    | 480      | m²    | \$ 145.00    | \$ 69,600.00    |                 |
| <b>5</b>           | <b>DRAINAGE</b>                                                   |          |       |              |                 | \$ 101,760.00   |
| 5.1                | Subsoil drains 100mm dia - screenings                             | 887      | Lm    | \$ 30.00     | \$ 26,610.00    |                 |
| 5.2                | 375 RCP (class 2)                                                 | 295      | Lm    | \$ 170.00    | \$ 50,150.00    |                 |
| 5.3                | Side entry pits                                                   | 10       | No    | \$ 2,500.00  | \$ 25,000.00    |                 |
| <b>6</b>           | <b>CONCRETE WORKS</b>                                             |          |       |              |                 | \$ 101,550.00   |
| 6.1                | Kerb & channel                                                    | 887      | Lm    | \$ 50.00     | \$ 44,350.00    |                 |
| 6.2                | Shared Pathway (3.0m wide, 125 mm, residential, as per MPA)       | 220      | Lm    | \$ 130.00    | \$ 28,600.00    |                 |
| 6.3                | Pedestrian Footpaths (1.5m wide, 125 mm, residential, as per MPA) | 440      | Lm    | \$ 65.00     | \$ 28,600.00    |                 |
| 6.4                | Laybacks and tactile pavers                                       |          | No    | \$ 850.00    | \$ -            |                 |
| 6.5                | Concrete island infill                                            | -        | m²    | \$ 120.00    | \$ -            |                 |
| 6.6                | 10m concrete maintenance area end of all islands                  | -        | m²    | \$ 85.00     | \$ -            |                 |
| <b>7</b>           | <b>POWER &amp; LIGHTING</b>                                       |          |       |              |                 | \$ 72,000.00    |
| 7.1                | Light pole (1-way) and luminous lights                            | 4        | No    | \$ 8,000.00  | \$ 32,000.00    |                 |
| 7.2                | Light pole (2-way) and luminous lights                            |          | No    | \$ 9,000.00  | \$ -            |                 |
| 7.3                | JUP lighting single                                               |          | No    | \$ 4,000.00  | \$ -            |                 |
| 7.4                | JUP lighting dual                                                 |          | No    | \$ 5,000.00  | \$ -            |                 |
| 7.5                | Cabling, conduits and pits                                        | 1        | Item  | \$ 30,000.00 | \$ 30,000.00    |                 |
| 7.6                | Electrical connection                                             | 1        | Item  | \$ 10,000.00 | \$ 10,000.00    |                 |
| <b>8</b>           | <b>LANDSCAPING WORKS</b>                                          |          |       |              |                 | \$ 16,549.25    |
| 8.1                | Topsoiling seeding                                                | 1,771    | m²    | \$ 8.50      | \$ 15,049.25    |                 |
| 8.2                | Tree planting                                                     | 6        | No    | \$ 250.00    | \$ 1,500.00     |                 |
| <b>9</b>           | <b>DELINEATION</b>                                                |          |       |              |                 | \$ 20,000.00    |
| 9.1                | Signing                                                           | 1        | item  | \$ 5,000.00  | \$ 5,000.00     |                 |
| 9.2                | Linemarking (Thermoplastic)                                       | 1        | item  | \$ 15,000.00 | \$ 15,000.00    |                 |
| <b>TOTAL A - D</b> |                                                                   |          |       |              | \$ 1,201,268.58 | \$ 1,201,268.58 |
| <b>E</b>           | <b>Contingency</b>                                                |          |       |              |                 |                 |
|                    | Contingency (15% of D)                                            |          |       |              | 15%             | \$ 159,092.41   |
| <b>F</b>           | <b>PROJECT BUDGET</b>                                             |          |       |              |                 |                 |
|                    | Total Estimate                                                    |          |       |              |                 | \$ 1,360,360.99 |