## ETOBICOKE CREEK (EC) ALIGNMENT

WWT249

PROJECT NO.: PROJECT NAME: PROJECT DESCRIPTION:

Area Condition:

Etobicoke Creek Sanitary Trunk Sewer Twinning Twinning of a 2150-metre section of sanitary trunk sewer in the vicinity of the Old Brampton WWTP (near Highway 407 and Highway 410). Design in 2020.

 Class Estimate Type:
 Class 4
 Class adjusts Construction Contingency and expected accuracy

 Project Complexity
 Low
 Complexity adjusts Construction Contingency, and expected accuracy

 Accuracy Range:
 30%

Suburban Area Condition uplifts unit cost and restoration

93%

| PROPOSED DIAMETER: |           | 1350 mm |      |
|--------------------|-----------|---------|------|
| TOTAL LENGTH:      |           | 689 m   |      |
|                    | Tunnelled | 0 m     | 0%   |
|                    | Open Cut  | 689 m   | 100% |
|                    |           |         |      |
| PROPOSED DIAMETER: |           | 1500 mm |      |
| TOTAL LENGTH:      |           | 3993 m  |      |
| Tunnelled          |           | 260 m   | 7%   |

3733 m

| CLASS EA REQUIREMENTS:   | A+       |
|--------------------------|----------|
| CONSTRUCTION ASSUMPTION: | Sewer 5m |

CAPITAL BUDGET YEAR:

DATE UPDATED: UPDATED BY:

ETOBICOKE CREEK OPTION

= Field has drop down

= Field must be manually populated

= Field auto-filled based on project details

| CLASS EA REQUIREMENTS:   | A+        |
|--------------------------|-----------|
| CONSTRUCTION ASSUMPTION: | Sewer 10m |
|                          |           |

#### COST ESTIMATION SPREADSHEET

Open Cut

| COMPONENT   | RATE<br>(%) | RATE<br>(\$) | UNIT | ESTIMATED<br>QUANTITY | COST PER UNIT | SUB-TOTAL      | COMMENTS   |
|---|-------------|--------------|------|-----------------------|---------------|----------------|--|
| Construction Cost                                   |             |              |      |                       |               |                |  |
| 1350  |             |              |      |                       |               |                |  |
| Pipe Construction - Open Cut                        |             |              | m    | 689 m                 | \$2,443       | \$1,683,200    | Existing road ROW  |
| Pipe Construction - Tunneling                       |             |              | m    | 0 m                   | \$11,500      | \$0            |  |
| Minor Creek Crossings                               |             |              | ea.  | 0                     | \$220,000     | \$0            |  |
| Major Creek Crossings                               |             |              | ea.  | 2                     | \$220,000     | \$440,000      |  |
| Road Crossings                                      |             |              | ea.  | 1                     | \$220,000     | \$220,000      |  |
| Major Road Crossings (Highway)                      |             |              | ea.  | 0                     | \$220,000     | \$0            |  |
| Utility Crossings                                   |             |              | ea.  | 0                     | \$220,000     | \$0            |  |
| 1500 Dia  |             |              |      |                       |               |                |  |
| Pipe Construction - Open Cut                        |             |              | m    | 3733 m                | \$3,257       | \$12,156,819   | Existing road ROW  |
| Pipe Construction - Tunneling                       |             |              | m    | 260 m                 | \$12,000      | \$3,120,000    |  |
| Minor Creek Crossings                               |             |              | ea.  | 0                     | \$220,000     | \$0            |  |
| Major Creek Crossings                               |             |              | ea.  | 0                     | \$220,000     | \$0            |  |
| Road Crossings                                      |             |              | ea.  | 3                     | \$220,000     | \$660,000      |  |
| Major Road Crossings (Highway)                      |             |              | ea.  | 2                     | \$220,000     | \$440,000      |  |
| Utility Crossings                                   |             |              | ea.  | 0                     | \$220,000     | \$0            |  |
| Pipe Construction Uplift (Based on Area Conditions) | 10%         |              |      |                       |               | \$1,872,001.90 |  |
|   |             |              |      |                       |               |                |  |
| Additional Construction Costs                       | 10%         |              | ea.  |                       |               | \$2,059,202    | Includes Mod/Demob,connections, inspection, hydrants,<br>signage, traffic management, bonding, insurance |
| Provisional & Allowance                             | 10%         |              | ea.  |                       |               | \$2,059,202    | Provisional Labour and Materials in addition to base<br>construction cost                                |
| Cub Tatal Construction Base Conte                   |             |              |      |                       |               | \$24 740 000   |  |
|   |             |              |      |                       |               | \$24,710,000   |  |
|   |             |              | 1    | 1                     | 1             |                |  |
| Geotechnical / Hydrogeological / Materials          | 0.5%        |              |      |                       |               | \$123,600      |  |
| Geotechnical Sub-Total Cost                         |             |              |      |                       |               | \$123,600      |  |
| Property Requirements                               | 1.0%        |              |      |                       |               | \$ 247,100     |  |
| Property Requirements Sub-Total                     |             |              |      |                       |               | \$247,100      |  |
|   |             |              |      |                       | 1             |                |  |
| Consultant Engineering/Design                       | 12%         |              |      |                       |               | \$ 2,965,200   | includes planning, pre-design, detailed design, training, CA,<br>commissioning                           |
| Engineering/Design Sub-Total                        |             |              |      |                       |               | \$2,965,200    |  |
|   |             |              |      |                       | 1             |                |  |
| In House Labour/Engineering/Wages/CA                | 6%          |              |      |                       |               | \$ 1,482,600   |  |
| In-house Labour/Wages Sub-Total                     |             |              |      |                       |               | \$1,482,600    |  |
| Project Contingency                                 | 10%         |              |      |                       |               | \$2,953,000    | Construction Contingency is dependent on Cost Estimate<br>Class and Project Complexity                   |
| Project Contingency Sub-Total                       |             |              |      |                       |               | \$2,953,000    |  |
|   |             |              |      |                       | 1             |                |  |
| Non-Refundable HST                                  | 0.00%       |              |      |                       |               | \$0            |  |
| Non-Refundable HST Sub-Total                        |             |              |      |                       |               | \$0            |  |
| Total (2019 Dollars)                                |             |              |      |                       |               | \$32,482,000   | Rounded to nearest \$1,000   |
| Other Estimate                                      |             |              |      |                       |               |                |  |
| Chosen Estimate                                     |             |              |      |                       |               | \$32,482,000   | 2020 Estimate  |

## CAA LANDS (CAA) ALIGNMENT

| PROJECT NO.:         | WWT249  |
|----------------------|---|
| PROJECT NAME:        | Etobicoke Creek Sanitary Trunk Sewer Twinning   |
| PROJECT DESCRIPTION: | Twinning of a 2150-metre section of sanitary trunk sewer in the vicinity of the Old Brampton WWTP (near Highway 407 and Highway 410). Design in 2020. |

341 m

1500 mm

3993 m

260 m

3733 m

## CAPITAL BUDGET YEAR:

VERSION: DATE UPDATED: UPDATED BY:

A+

s ewer 5m

| Class Estimate Type:   | Class 4  | Class adjusts Construction Contingency and expected accuracy       |  |
|------------------------|----------|--|--|
| Project Complexity Low |          | Complexity adjusts Construction Contingency, and expected accuracy |  |
| Accuracy Range:        | 30%      |  |  |
| Area Condition:        | Suburban | Area Condition uplifts unit cost and restoration                   |  |

7%

93%

= Field has drop down = Field must be manually populated = Field auto-filled based on project details



| CLASS EA REQUIREMENTS:   | A+        |
|--------------------------|-----------|
| CONSTRUCTION ASSUMPTION: | Sewer 10m |

## COST ESTIMATION SPREADSHEET

Tunnelled

Open Cut

Tunnelled

Open Cut

PROPOSED DIAMETER:

PROPOSED DIAMETER:

TOTAL LENGTH:

TOTAL LENGTH:

| COMPONENT  | RATE<br>(%) | RATE<br>(\$) | UNIT | ESTIMATED<br>QUANTITY | COST PER UNIT | SUB-TOTAL                | COMMENTS   |
|--|-------------|--------------|------|-----------------------|---------------|--------------------------|--|
| Construction Cost                                      |             |              |      |                       |               |                          |  |
| 1350   |             |              |      |                       |               |                          |  |
| Pipe Construction - Open Cut                           |             |              | m    | 341 m                 | \$2,443       | \$833,050                | Existing road ROW  |
| Pipe Construction - Tunneling                          |             |              | m    | 737 m                 | \$11,500      | \$8,475,500              |  |
| Minor Creek Crossings                                  |             |              | ea.  | 0                     | \$220,000     | \$0                      |  |
| Major Creek Crossings                                  |             |              | ea.  | 1                     | \$220,000     | \$220,000                |  |
| Road Crossings   |             |              | ea.  | 1                     | \$220,000     | \$220,000                |  |
| Major Road Crossings (Highway)                         |             |              | ea.  | 0                     | \$220,000     | \$0                      |  |
| Utility Crossings                                      |             |              | ea.  | 0                     | \$220,000     | \$0                      |  |
| 1500 dia   |             |              |      |                       |               |                          |  |
| Pipe Construction - Open Cut                           |             |              | m    | 3733 m                | \$3,257       | \$12,156,819             | Existing road ROW  |
| Pipe Construction - Tunneling                          |             |              | m    | 260 m                 | \$12,000      | \$3,120,000              |  |
| Minor Creek Crossings                                  |             |              | ea.  | 0                     | \$220,000     | \$0                      |  |
| Major Creek Crossings                                  |             |              | ea.  | 0                     | \$220,000     | \$0                      |  |
| Road Crossings   |             |              | ea.  | 3                     | \$220,000     | \$660,000                |  |
| Major Road Crossings (Highway)                         |             |              | ea.  | 2                     | \$220,000     | \$440,000                |  |
| Utility Crossings                                      |             |              | ea.  | 0                     | \$220,000     | \$0                      |  |
| Pipe Construction Uplift (Based on Area Conditions)    | 10%         |              |      |                       |               | \$2,612,536.88           |  |
|  |             |              |      |                       |               |                          |  |
| Additional Construction Costs                          | 10%         |              | ea.  |                       |               | \$2,873,791              | Includes Mod/Demob,connections, inspection, hydrants,<br>signage, traffic management, bonding, insurance |
| Provisional & Allowance                                | 10%         |              | ea.  |                       |               | \$2,873,791              | Provisional Labour and Materials in addition to base   |
|  |             |              |      |                       |               |                          | construction cost  |
| Sub-Total Construction Base Costs \$34,485,000         |             |              |      |                       |               |                          |  |
|  |             |              |      |                       |               |                          |  |
| Geotechnical / Hydrogeological / Materials             | 0.5%        |              |      |                       |               | \$172,400                |  |
| Geotechnical Sub-Total Cost                            |             |              |      |                       |               | \$172,400                |  |
|  |             |              | 1    |                       | 1             |                          |  |
| Property Requirements                                  | 1.0%        |              |      |                       |               | \$ 344,900               |  |
| Property Requirements Sub-Total                        |             |              |      |                       |               | \$344,900                |  |
| Consultant Engineering/Design                          | 12%         |              |      |                       |               | \$ 4,138,200             | includes planning, pre-design, detailed design, training, CA,<br>commissioning                           |
| Engineering/Design Sub-Total                           |             |              |      |                       |               | \$4,138,200              |  |
|  |             |              |      |                       |               |                          |  |
| In House Labour/Engineering/Wages/CA                   | 6%          |              |      |                       |               | \$ 2,069,100             |  |
| In-house Labour/Wages Sub-Total                        |             |              |      |                       |               | \$2,069,100              |  |
| Construction Continuence is dependent on Cret Setimata |             |              |      |                       |               |                          |  |
| Project Contingency                                    | 10%         |              |      |                       |               | \$4,121,000              | Class and Project Complexity   |
| Project Contingency Sub-Total                          |             |              |      |                       |               | \$4,121,000              |  |
| Non-Refundable HST                                     | 0.00%       |              |      |                       |               | \$0                      |  |
| Non-Refundable HST Sub-Total                           |             |              |      |                       |               | \$0                      |  |
| Total (2019 Dollars)                                   |             |              |      |                       |               | \$45 331 000             | Rounded to nearest \$1 000   |
| Other Estimate   |             |              |      |                       |               | ə <del>4</del> 0,331,000 |  |
|  |             |              |      |                       |               |                          | 2020 E-Minish  |
| Chosen Estimate  |             |              |      |                       |               |                          | 2020 Estimate  |

# KENNEDY ROAD ALIGNMENT

| PROJECT NO.:         |
|----------------------|
| PROJECT NAME:        |
| PROJECT DESCRIPTION: |

WWT179 Kennedy Road Sanitary Trunk Sewer Construction of a 1500-mm sanitary trunk sewer on Kennedy Road from the Elobicoke Creek Sanitary Trunk Sewer to the future East-West Sanitary Trunk Sewer Diversion. Design in 2022. CAPITAL BUDGET YEAR: VERSION:

Field has drop down
 Field must be manually populated
 Field auto-filled based on project details

DATE UPDATED: UPDATED BY:

| Class Estimate Type:     | Class 4  | Class adjusts Construction Contingency and expected accuracy       |  |
|--------------------------|----------|--|--|
| Project Complexity Low C |          | Complexity adjusts Construction Contingency, and expected accuracy |  |
| Accuracy Range:          | 30%      |  |  |
| Area Condition:          | Suburban | Area Condition uplifts unit cost and restoration                   |  |

| PROPOSED DIAMETER: |  | 1500 mm |      |
|--------------------|--|---------|------|
| TOTAL LENGTH:      |  | 2475 m  |      |
| Tunnelled          |  | 2475 m  | 100% |
| Open Cut           |  | 0 m     | 0%   |

| PROPOSED DIAMETER: |  | 900 mm |     |
|--------------------|--|--------|-----|
| TOTAL LENGTH:      |  | 770 m  |     |
| Tunnelled          |  | 600 m  | 78% |
| Open Cut           |  | 170 m  | 22% |

| CLASS EA REQUIREMENTS:   | A+       |
|--------------------------|----------|
| CONSTRUCTION ASSUMPTION: | Sewer 5m |

| CLASS EA REQUIREMENTS:   | A+       |
|--------------------------|----------|
| CONSTRUCTION ASSUMPTION: | Sewer 5m |

# COST ESTIMATION SPREADSHEET

| COMPONENT   | RATE<br>(%) | RATE<br>(\$) | UNIT         | ESTIMATED<br>QUANTITY | COST PER UNIT | SUB-TOTAL      | COMMENTS   |  |  |
|---|-------------|--------------|--------------|-----------------------|---------------|----------------|--|--|--|
| Construction Cost                                   |             |              |              |                       |               |                |  |  |  |
| 1500 Dia  |             |              |              |                       |               |                |  |  |  |
| Pipe Construction - Open Cut                        |             |              | m            | 0 m                   | \$2,733       | \$0            |  |  |  |
| Pipe Construction - Tunneling                       |             |              | m            | 2475 m                | \$12,000      | \$29,700,000   |  |  |  |
| Minor Creek Crossings                               |             |              | ea.          | 1                     | \$220,000     | \$220,000      |  |  |  |
| Major Creek Crossings                               |             |              | ea.          | 0                     | \$220,000     | \$0            |  |  |  |
| Road Crossings                                      |             |              | ea.          | 1                     | \$220,000     | \$220,000      |  |  |  |
| Major Road Crossings (Highway)                      |             |              | ea.          | 1                     | \$220,000     | \$220,000      |  |  |  |
| Utility Crossings                                   |             |              | ea.          | 0                     | \$220,000     | \$0            |  |  |  |
| 900 Dia   |             |              |              |                       |               |                |  |  |  |
| Pipe Construction - Open Cut                        |             |              | m            | 169 m                 | \$1,657       | \$280,055      |  |  |  |
| Pipe Construction - Tunneling                       |             |              | m            | 599 m                 | \$10,000      | \$5,990,000    |  |  |  |
| Minor Creek Crossings                               |             |              | ea.          | 0                     | \$170,000     | \$0            |  |  |  |
| Major Creek Crossings                               |             |              | ea.          | 1                     | \$170,000     | \$170,000      |  |  |  |
| Road Crossings                                      |             |              | ea.          | 1                     | \$170,000     | \$170,000      |  |  |  |
| Major Road Crossings (Highway)                      |             |              | ea.          | 0                     | \$170,000     | \$0            |  |  |  |
| Utility Crossings                                   |             |              | ea.          | 0                     | \$170,000     | \$0            |  |  |  |
| Pipe Construction Uplift (Based on Area Conditions) | 10%         |              |              |                       |               | \$3,697,005.48 |  |  |  |
|   |             |              |              |                       |               |                |  |  |  |
| Additional Construction Costs                       | 10%         |              | ea.          |                       |               | \$4,066,706    | Includes Mod/Demob,connections, inspection, hydrants,<br>signage, traffic management, bonding, insurance |  |  |
| Provisional & Allowance                             | 10%         |              | ea.          |                       |               | \$4,066,706    | Provisional Labour and Materials in addition to base<br>construction cost                                |  |  |
|   |             |              |              |                       |               |                |  |  |  |
| Sub-Total Construction Base Costs                   |             |              |              |                       |               |                |  |  |  |
|   |             | -            |              |                       |               |                |  |  |  |
| Geotechnical / Hydrogeological / Materials          | 0.5%        |              |              |                       |               | \$244,000      |  |  |  |
| Geotechnical Sub-Total Cost                         |             |              |              |                       |               | \$244,000      |  |  |  |
| Property Requirements                               | 1.0%        |              |              |                       |               | \$ 488.000     |  |  |  |
| Property Requirements Sub-Total                     | 1.070       |              |              |                       |               | \$488.000      |  |  |  |
|   |             |              |              |                       |               | \$400,000      |  |  |  |
| Consultant Engineering/Design                       | 12%         |              |              |                       |               | \$ 5,856,000   | includes planning, pre-design, detailed design, training, CA, commissioning                              |  |  |
| Engineering/Design Sub-Total                        |             |              |              |                       |               | \$5,856,000    |  |  |  |
|   |             |              |              |                       | 1             |                |  |  |  |
| In House Labour/Engineering/Wages/CA                | 6%          |              |              |                       |               | \$ 2,928,000   |  |  |  |
| In-house Labour/Wages Sub-Total                     |             |              |              |                       |               | \$2,928,000    |  |  |  |
| Project Contingency                                 | 10%         |              |              |                       |               | \$5,832,000    | Construction Contingency is dependent on Cost Estimate   |  |  |
| Project Contingency Sub-Total                       |             |              |              |                       |               | \$5,832,000    | Class and Project Complexity   |  |  |
|   |             |              |              |                       |               |                |  |  |  |
| Non-Refundable HST                                  | 0.00%       |              |              |                       |               | \$0            |  |  |  |
| Non-Refundable HST Sub-Total                        |             |              |              |                       |               | \$0            |  |  |  |
|   |             |              |              |                       |               |                |  |  |  |
|   |             |              |              |                       |               | \$64,148,000   | Construction Company and   |  |  |
| Uther Estimate                                      |             |              |              |                       |               | \$0            | Construction Component only  |  |  |
| Chosen Estimate                                     |             |              | \$64,148,000 | 2020 Estimate         |               |                |  |  |  |

# DEEP TRUNK ALIGNMENT

| PROJECT NO .:        | WWT249   |
|----------------------|--|
| PROJECT NAME:        | Etobicoke Creek Sanitary Trunk Sewer Twinning  |
| PROJECT DESCRIPTION: | Twinning of a 2150-metre section of sanitary trunk sewer in the vicinity of the Old Brampton<br>WWTP (near Highway 407 and Highway 410). Design in 2020. |

# CAPITAL BUDGET YEAR:

VERSION: DATE UPDATED: UPDATED BY:

| Class Estimate Type: Class 4 |     | Class adjusts Construction Contingency and expected accuracy       |
|------------------------------|-----|--|
| Project Complexity           | Low | Complexity adjusts Construction Contingency, and expected accuracy |
| Accuracy Range:              | 30% |  |
| Area Condition: Suburban     |     | Area Condition uplifts unit cost and restoration                   |

= Field has drop down = Field must be manually populated = Field auto-filled based on project details

| PROPOSED DI           | AMETER: | 1500 mm |     |            |
|-----------------------|---------|---------|-----|------------|
| TOTAL LENGT           | н:      | 3670 m  |     |            |
| Tunnelled<br>Open Cut |         | 2530 m  | 69% | 69%<br>31% |
|                       |         | 1140 m  | 31% |            |

| PROPOSED DIAM | ETER: | 900 mm |      |
|---------------|-------|--------|------|
| TOTAL LENGTH: |       | 170 m  |      |
| Tunnelled     |       | 0 m    | 0%   |
| Open Cut      |       | 170 m  | 100% |

| CLASS EA REQUIREMENTS:   | A+       |
|--------------------------|----------|
| CONSTRUCTION ASSUMPTION: | Sewer 5m |
| -                        |          |

| CLASS EA REQUIREMENTS:   | A+       |
|--------------------------|----------|
| CONSTRUCTION ASSUMPTION: | Sewer 5m |
|                          | -        |

| COST | ESTIMATION | SPREADSHEET |  |
|------|------------|-------------|--|
| 0031 | ESTIMATION | SFREADSHEE  |  |

| COMPONENT   | RATE<br>(%)    | RATE<br>(\$) | UNIT | ESTIMATED<br>QUANTITY | COST PER UNIT | SUB-TOTAL    | COMMENTS   |  |
|---|----------------|--------------|------|-----------------------|---------------|--------------|--|--|
| Construction Cost                                   |                |              |      |                       |               |              |  |  |
| 1500 Dia  |                |              |      |                       |               |              |  |  |
| Pipe Construction - Open Cut                        |                |              | m    | 1140 m                | \$2,733       | \$3,115,620  |  |  |
| Pipe Construction - Tunneling                       |                |              | m    | 2530 m                | \$12,000      | \$30,360,000 |  |  |
| Minor Creek Crossings                               |                |              | ea.  | 0                     | \$220,000     | \$0          |  |  |
| Major Creek Crossings                               |                |              | ea.  | 0                     | \$220,000     | \$0          |  |  |
| Road Crossings                                      |                |              | ea.  | 4                     | \$220,000     | \$880,000    |  |  |
| Major Road Crossings (Highway)                      |                |              | ea.  | 2                     | \$220,000     | \$440,000    |  |  |
| Utility Crossings                                   |                |              | ea.  | 0                     | \$220,000     | \$0          |  |  |
| 900 DIA   |                |              |      |                       |               |              |  |  |
| Pipe Construction - Open Cut                        |                |              | m    | 170 m                 | \$2,111       | \$358,906    |  |  |
| Pipe Construction - Tunneling                       |                |              | m    | 0 m                   | \$10,000      | \$0          |  |  |
| Minor Creek Crossings                               |                |              | ea.  | 0                     | \$170,000     | \$0          |  |  |
| Major Creek Crossings                               |                |              | ea.  | 1                     | \$170,000     | \$170,000    |  |  |
| Road Crossings                                      |                |              | ea.  | 0                     | \$170,000     | \$0          |  |  |
| Major Road Crossings (Highway)                      |                |              | ea.  | 0                     | \$170,000     | \$0          |  |  |
| Utility Crossings                                   |                |              | ea.  | 0                     | \$170,000     | \$0          |  |  |
| Pipe Construction Uplift (Based on Area Conditions) | 10%            |              |      |                       |               | \$3,532,453  |  |  |
|   |                |              |      |                       |               |              |  |  |
| Additional Construction Costs                       | 10%            |              | ea.  |                       |               | \$3,885,698  | Includes Mod/Demob,connections, inspection, hydrants,<br>signage, traffic management, bonding, insurance |  |
| Provisional & Allowance                             | 10%            |              | ea.  |                       |               | \$3,885,698  | Provisional Labour and Materials in addition to base   |  |
|   |                |              |      |                       |               |              |  |  |
| Sub-Total Construction Base Costs                   |                |              |      |                       |               | \$46,628,000 |  |  |
|   |                |              |      |                       |               |              |  |  |
| Geotechnical / Hydrogeological / Materials          | 0.5%           |              |      |                       |               | \$233.100    |  |  |
| Geotechnical Sub-Total Cost                         |                |              |      |                       |               | \$233 100    |  |  |
|   |                |              |      |                       |               | \$200,100    |  |  |
| Property Requirements                               | 1.0%           |              |      |                       |               | \$ 466,300   |  |  |
| Property Requirements Sub-Total                     |                |              |      |                       |               | \$466,300    |  |  |
|   |                |              |      |                       |               |              |  |  |
| Consultant Engineering/Design                       | 12%            |              |      |                       |               | \$ 5,595,400 | includes planning, pre-design, detailed design, training, CA,<br>commissioning                           |  |
| Engineering/Design Sub-Total                        |                |              |      |                       |               | \$5,595,400  |  |  |
|   |                |              |      |                       |               |              |  |  |
| In House Labour/Engineering/Wages/CA                | 6%             |              |      |                       |               | \$ 2,797,700 |  |  |
| In-house Labour/Wages Sub-Total                     |                |              |      |                       |               | \$2,797,700  |  |  |
|   |                |              |      |                       |               |              |  |  |
| Project Contingency                                 | 10%            |              |      |                       |               | \$5,572,000  | Construction Contingency is dependent on Cost Estimate<br>Class and Project Complexity                   |  |
| Project Contingency Sub-Total                       |                |              |      |                       |               | \$5,572,000  |  |  |
|   |                |              |      |                       |               |              |  |  |
| Non-Refundable HST                                  | 0.00%          |              |      |                       |               | \$0          |  |  |
| Non-Refundable HST Sub-Total                        | I              |              |      |                       |               | \$0          |  |  |
|   |                |              |      |                       |               |              |  |  |
| otal (2019 Dollars)                                 |                |              |      |                       |               | \$61,293,000 | Rounded to nearest \$1,000   |  |
| Other Estimate                                      | Other Estimate |              |      |                       |               | \$0          | Construction Component Only  |  |
| Chosen Estimate                                     |                |              |      |                       |               | \$61,293,000 | 2020 Estimate  |  |