



FIREFLY TRAIL PHASE 3 - Alternate A - 4200 LF

OPINION OF PROBABLE CONSTRUCTION COST

DATE: October 8, 2020

Section 1 - TRAIL CONSTRUCTION ITEMS

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|--------------|--|---------------------|
| 150-100 | 1 | LS | \$25,000.00 | TRAFFIC CONTROL | \$25,000.00 |
| 210-0100 | 1 | LS | \$100,000.00 | GRADING COMPLETE - | \$100,000.00 |
| 230-1000 | 1 | LS | \$100,000.00 | LUMP SUM CONSTRUCTION | \$100,000.00 |
| 310-1101 | 2100 | TN | \$30.00 | GR AGGR BASE CRS, INCL MATL | \$63,000.00 |
| 441-0106 | 5543 | SY | \$75.00 | CONC SIDEWALK, 6 IN W/ WOVEN WIRE MESH | \$415,725.00 |
| 441-0018 | 90 | SY | \$60.00 | DRIVEWAY CONC 8 IN | \$5,400.00 |
| 610-0300 | 600 | LF | \$5.00 | REMOVE FENCE | \$3,000.00 |
| 643-1152 | 510 | LF | \$20.00 | 5' FIELD FENCE | \$10,200.00 |
| 900-0526 | 6 | EA | \$1,000.00 | BOLLARDS | \$6,000.00 |
| 999-0001 | 1 | EA | \$50,000.00 | METAL BUILDING Replacment | \$50,000.00 |
| Section Sub Total | | | | | \$778,325.00 |

Section 2 - SIGNAGE

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---|-------------------|
| 636-1041 | 1 | LS | \$5,000.00 | TRAIL SIGNS & POSTS | \$5,000.00 |
| 652-5451 | 4200 | LF | \$0.76 | SOLID TRAFFIC STRIPE, 5 IN, WHITE | \$3,192.00 |
| 563-1804 | 12 | LF | \$3.00 | THERMOPLASTIC SOLID TRAF STRIPE, 12 IN, WHITE | \$36.00 |
| Section Sub Total | | | | | \$8,228.00 |

Section 3 - DRAINAGE

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|--------------|---|---------------------|
| 999-0002 | 1 | LF | \$250,000.00 | MISC DRAINAGE EXPENSES (OFFSITE DRAINAGE AND POND IMPROVEMENTS) | \$250,000.00 |
| 550-1240 | 48 | LF | \$65.00 | STORM DRAIN PIPE, 24 IN, H 1-10 | \$3,120.00 |
| 550-4224 | 1 | EA | \$1,400.00 | FLARED END SECTION 24 IN, STORM DRAIN | \$1,400.00 |
| Section Sub Total | | | | | \$254,520.00 |

Section 4 - EROSION CONTROL

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---------------------------------|-------------------|
| 603-2182 | 10 | SY | \$50.00 | STN DUMPED RIP RAP, TP 3, 18 IN | \$500.00 |
| 603-7000 | 10 | SY | \$5.00 | PLASTIC FILTER FABRIC | \$50.00 |
| 700-6910 | 0.85 | AC | \$1,750.00 | PERMANENT GRASSING | \$1,487.50 |
| 700-7000 | 1.70 | TN | \$400.00 | AGRICULTURAL LIME | \$680.00 |
| 700-8100 | 425 | LB | \$2.00 | FERTILIZER NITROGEN CONTENT | \$850.00 |
| Section Sub Total | | | | | \$3,567.50 |

Section 5 - TEMPORARY EROSION CONTROL

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---|--------------------|
| 163-0232 | 0.85 | AC | \$1,350.00 | TEMPORARY GRASSING | \$1,147.50 |
| 163-0240 | 2.55 | TN | \$400.00 | MULCH | \$1,020.00 |
| 163-0300 | 2 | EA | \$1,750.00 | CONSTRUCTION EXIT | \$3,500.00 |
| 163-0527 | 10 | EA | \$500.00 | CONSTRUCT AND REMOVE RIP RAP CHECK DAMS | \$5,000.00 |
| 165-0030 | 8500 | LF | \$1.00 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | \$8,500.00 |
| 165-0041 | 10 | EA | \$100.00 | MAINTENANCE OF CHECK DAMS - ALL TYPES | \$1,000.00 |
| 165-0101 | 2 | EA | \$750.00 | MAINTENANCE OF CONSTRUCTION EXIT | \$1,500.00 |
| 171-0030 | 8500 | LF | \$4.00 | TEMPORARY SILT FENCE, TYPE C | \$34,000.00 |
| Section Sub Total | | | | | \$55,667.50 |

Section 6 - UTILITY COSTS

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|------------------|---------------|
| Section Sub Total | | | | | \$0.00 |

Summary

| | |
|-----------------|-----------------------|
| Estimated Cost | \$1,100,308.00 |
| 20% CONTINGENCY | \$220,061.60 |

ESTIMATED TOTAL COST \$1,320,369.60



FIREFLY TRAIL PHASE 3 - Alternate B

OPINION OF PROBABLE CONSTRUCTION COST

DATE: October 8, 2020

Section 1 - TRAIL CONSTRUCTION ITEMS

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|--------------|--|---------------------|
| 150-100 | 1 | LS | \$75,000.00 | TRAFFIC CONTROL | \$75,000.00 |
| 210-0100 | 1 | LS | \$100,000.00 | GRADING COMPLETE - | \$100,000.00 |
| 230-1000 | 1 | LS | \$100,000.00 | LUMP SUM CONSTRUCTION | \$100,000.00 |
| 310-1101 | 3000 | TN | \$30.00 | GR AGGR BASE CRS, INCL MATL | \$90,000.00 |
| 400-3101 | 80 | TN | \$100.00 | ASPH CONC 12.5 MM FOR DIRVEWAYS | \$8,000.00 |
| 441-0106 | 7400 | SY | \$75.00 | CONC SIDEWALK, 6 IN W/ WOVEN WIRE MESH | \$555,000.00 |
| 610-0300 | 352 | LF | \$5.00 | REMOVE FENCE | \$1,760.00 |
| 643-1152 | 1700 | LF | \$20.00 | 5' FIELD FENCE | \$34,000.00 |
| 900-0526 | 12 | EA | \$1,000.00 | BOLLARDS | \$12,000.00 |
| Section Sub Total | | | | | \$975,760.00 |

Section 2 - SIGNAGE

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---|--------------------|
| 636-1041 | 1 | LS | \$7,500.00 | TRAIL SIGNS & POSTS | \$7,500.00 |
| 652-5451 | 5500 | LF | \$0.76 | SOLID TRAFFIC STRIPE, 5 IN, WHITE | \$4,180.00 |
| 563-1804 | 36 | LF | \$3.00 | THERMOPLASTIC SOLID TRAF STRIPE, 12 IN, WHITE | \$108.00 |
| Section Sub Total | | | | | \$11,788.00 |

Section 3 - DRAINAGE

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---------------------------------------|--------------------|
| 550-1180 | 308 | LF | \$50.00 | STORM DRAIN PIPE, 18 IN, H 1-10 | \$15,400.00 |
| 550-4218 | 27 | EA | \$1,250.00 | FLARED END SECTION 18 IN, STORM DRAIN | \$33,750.00 |
| Section Sub Total | | | | | \$49,150.00 |

Section 4 - EROSION CONTROL

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---------------------------------|--------------------|
| 603-2182 | 120 | SY | \$50.00 | STN DUMPED RIP RAP, TP 3, 18 IN | \$6,000.00 |
| 603-7000 | 120 | SY | \$5.00 | PLASTIC FILTER FABRIC | \$600.00 |
| 700-6910 | 2.12 | AC | \$1,750.00 | PERMANENT GRASSING | \$3,710.00 |
| 700-7000 | 4.24 | TN | \$400.00 | AGRICULTURAL LIME | \$1,696.00 |
| 700-8100 | 1060 | LB | \$2.00 | FERTILIZER NITROGEN CONTENT | \$2,120.00 |
| Section Sub Total | | | | | \$14,126.00 |

Section 5 - TEMPORARY EROSION CONTROL

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---|--------------------|
| 163-0232 | 2.12 | AC | \$1,350.00 | TEMPORARY GRASSING | \$2,862.00 |
| 163-0240 | 6.36 | TN | \$400.00 | MULCH | \$2,544.00 |
| 163-0300 | 2 | EA | \$1,750.00 | CONSTRUCTION EXIT | \$3,500.00 |
| 163-0527 | 25 | EA | \$500.00 | CONSTRUCT AND REMOVE RIP RAP CHECK DAMS | \$12,500.00 |
| 165-0030 | 11000 | LF | \$1.00 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | \$11,000.00 |
| 165-0041 | 25 | EA | \$100.00 | MAINTENANCE OF CHECK DAMS - ALL TYPES | \$2,500.00 |
| 165-0101 | 2 | EA | \$750.00 | MAINTENANCE OF CONSTRUCTION EXIT | \$1,500.00 |
| 171-0030 | 11000 | LF | \$4.00 | TEMPORARY SILT FENCE, TYPE C | \$44,000.00 |
| Section Sub Total | | | | | \$80,406.00 |

Section 6 - UTILITY COSTS

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|------------------|---------------|
| Section Sub Total | | | | | \$0.00 |

Summary

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|-----------------------------|-----------------------|
| Estimated Cost | \$1,131,230.00 |
| 20% CONTINGENCY | \$226,246.00 |
| ESTIMATED TOTAL COST | \$1,357,476.00 |



FIREFLY TRAIL PHASE 3 - ALTERNATE C

OPINION OF PROBABLE CONSTRUCTION COST

DATE: October 8, 2020

Section 1 - TRAIL CONSTRUCTION ITEMS

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|--------------|--|-----------------------|
| 210-0100 | 1 | LS | \$100,000.00 | GRADING COMPLETE - | \$100,000.00 |
| 230-1000 | 1 | LS | \$100,000.00 | LUMP SUM CONSTRUCTION | \$100,000.00 |
| 310-1101 | 3250 | TN | \$30.00 | GR AGGR BASE CRS, INCL MATL | \$97,500.00 |
| 400-3101 | 80 | TN | \$100.00 | ASPH CONC 12.5 MM FOR DIRVEWAYS | \$8,000.00 |
| 441-0106 | 7600 | SY | \$75.00 | CONC SIDEWALK, 6 IN W/ WOVEN WIRE MESH | \$570,000.00 |
| 500-3201 | 65 | CY | \$950.00 | CLASS B CONCRETE, RETAINING WALL | \$61,750.00 |
| 610-0300 | 352 | LF | \$5.00 | REMOVE FENCE | \$1,760.00 |
| 610-2815 | 1300 | SY | \$45.78 | REM CONC SIDEWALK | \$59,514.00 |
| 643-1152 | 1700 | LF | \$20.00 | 5' FIELD FENCE | \$34,000.00 |
| 900-0526 | 6 | EA | \$1,000.00 | BOLLARDS | \$6,000.00 |
| 999-0001 | 1 | LS | \$25,000.00 | ROAD CROSSING SAFETY MEASURES (FENCING AND TRAFFIC CALIMING) | \$25,000.00 |
| 999-0002 | 3 | EA | \$5,000.00 | REM AND RESET BUSINESS SIGN | \$15,000.00 |
| Section Sub Total | | | | | \$1,078,524.00 |

Section 2 - SIGNAGE

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|-------------|--|--------------------|
| 636-1041 | 1 | LS | \$7,500.00 | TRAIL SIGNS & POSTS | \$7,500.00 |
| 652-5451 | 5700 | LF | \$0.76 | SOLID TRAFFIC STRIPE, 5 IN, WHITE | \$4,332.00 |
| 563-1804 | 24 | LF | \$3.00 | THERMOPLASTIC SOLID TRAF STRIPE, 12 IN, WHITE | \$72.00 |
| 563-1805 | 1 | LF | \$50,000.00 | ROAD CROSSING SAFETY SIGNAGE (RRFB AND OVER HEAD WARNING OR OVERHEAD SIGNAL) | \$75,000.00 |
| Section Sub Total | | | | | \$86,904.00 |

Section 3 - DRAINAGE

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---------------------------------------|--------------------|
| 550-1180 | 553 | LF | \$50.00 | STORM DRAIN PIPE, 18 IN, H 1-10 | \$27,650.00 |
| 550-4218 | 18 | EA | \$1,250.00 | FLARED END SECTION 18 IN, STORM DRAIN | \$22,500.00 |
| 668-4300 | 3 | EA | \$2,500.00 | STORM SEWER MANHOLE, TP1 | \$7,500.00 |
| Section Sub Total | | | | | \$57,650.00 |

Section 4 - EROSION CONTROL

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---------------------------------|--------------------|
| 603-2182 | 95 | SY | \$50.00 | STN DUMPED RIP RAP, TP 3, 18 IN | \$4,750.00 |
| 603-7000 | 95 | SY | \$5.00 | PLASTIC FILTER FABRIC | \$475.00 |
| 700-6910 | 2.18 | AC | \$1,750.00 | PERMANENT GRASSING | \$3,815.00 |
| 700-7000 | 4.36 | TN | \$400.00 | AGRICULTURAL LIME | \$1,744.00 |
| 700-8100 | 1090 | LB | \$2.00 | FERTILIZER NITROGEN CONTENT | \$2,180.00 |
| Section Sub Total | | | | | \$12,964.00 |

Section 5 - TEMPORARY EROSION CONTROL

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|---|--------------------|
| 163-0232 | 2.18 | AC | \$1,350.00 | TEMPORARY GRASSING | \$2,943.00 |
| 163-0240 | 6.54 | TN | \$400.00 | MULCH | \$2,616.00 |
| 163-0300 | 2 | EA | \$1,750.00 | CONSTRUCTION EXIT | \$3,500.00 |
| 163-0527 | 26 | EA | \$500.00 | CONSTRUCT AND REMOVE RIP RAP CHECK DAMS | \$13,000.00 |
| 165-0030 | 12000 | LF | \$1.00 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | \$12,000.00 |
| 165-0041 | 26 | EA | \$100.00 | MAINTENANCE OF CHECK DAMS - ALL TYPES | \$2,600.00 |
| 165-0101 | 2 | EA | \$750.00 | MAINTENANCE OF CONSTRUCTION EXIT | \$1,500.00 |
| 171-0030 | 12000 | LF | \$4.00 | TEMPORARY SILT FENCE, TYPE C | \$48,000.00 |
| Section Sub Total | | | | | \$86,159.00 |

Section 6 - UTILITY COSTS

| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
|--------------------------|----------|-------|------------|------------------|---------------|
| Section Sub Total | | | | | \$0.00 |

Summary

| | |
|-----------------|----------------|
| Estimated Cost | \$1,322,201.00 |
| 20% CONTINGENCY | \$264,440.20 |

ESTIMATED TOTAL COST \$1,586,641.20