

# 2024 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 10/2023

| PROJECT INFORMATION |           |              |
|---------------------|-----------|--------------|
| Rock Island Trail   | 8/15/2024 |              |
| Project Name        | Date      | PCD File No. |

| Description  | Quantity | Units | Unit Cost   |   | Total        | (with Pre-Plat Construction) |                     |
|--|----------|-------|-------------|---|--------------|------------------------------|---------------------|
|  |          |       |             |   |              | % Complete                   | Remaining           |
| <b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b> |          |       |             |   |              |                              |                     |
| Earthwork  |          |       |             |   |              |                              |                     |
| less than 1,000; \$5,300 min   |          | CY    | \$ 8.00     | = | \$ -         |                              | \$ -                |
| 1,000-5,000; \$8,000 min   |          | CY    | \$ 6.00     | = | \$ -         |                              | \$ -                |
| 5,001-20,000; \$30,000 min   |          | CY    | \$ 5.00     | = | \$ -         |                              | \$ -                |
| 20,001-50,000; \$100,000 min   |          | CY    | \$ 3.50     | = | \$ -         |                              | \$ -                |
| 50,001-200,000; \$175,000 min  |          | CY    | \$ 2.50     | = | \$ -         |                              | \$ -                |
| greater than 200,000; \$500,000 min  |          | CY    | \$ 2.00     | = | \$ -         |                              | \$ -                |
| Permanent Erosion Control Blanket  |          | SY    | \$ 9.00     | = | \$ -         |                              | \$ -                |
| Permanent Seeding (inc. noxious weed mgmnt.) & Mulching                          | .5       | AC    | \$ 2,018.00 | = | \$ 1,009.00  |                              | \$ 1,009.00         |
| Permanent Pond/BMP (provide engineer's estimate)                                 |          | EA    |             | = | \$ -         |                              | \$ -                |
| Concrete Washout Basin   |          | EA    | \$ 1,172.00 | = | \$ -         |                              | \$ -                |
| Inlet Protection   |          | EA    | \$ 217.00   | = | \$ -         |                              | \$ -                |
| Rock Check Dam   |          | EA    | \$ 651.00   | = | \$ -         |                              | \$ -                |
| Safety Fence   |          | LF    | \$ 3.00     | = | \$ -         |                              | \$ -                |
| Sediment Basin   |          | EA    | \$ 2,294.00 | = | \$ -         |                              | \$ -                |
| Sediment Trap  |          | EA    | \$ 538.00   | = | \$ -         |                              | \$ -                |
| Silt Fence   | 9000.    | LF    | \$ 3.00     | = | \$ 27,000.00 |                              | \$ 27,000.00        |
| Slope Drain  |          | LF    | \$ 43.00    | = | \$ -         |                              | \$ -                |
| Straw Bale   |          | EA    | \$ 33.00    | = | \$ -         |                              | \$ -                |
| Straw Wattle/Rock Sock   |          | LF    | \$ 8.00     | = | \$ -         |                              | \$ -                |
| Surface Roughening   |          | AC    | \$ 269.00   | = | \$ -         |                              | \$ -                |
| Temporary Erosion Control Blanket  |          | SY    | \$ 3.00     | = | \$ -         |                              | \$ -                |
| Temporary Seeding and Mulching   |          | AC    | \$ 1,793.00 | = | \$ -         |                              | \$ -                |
| Vehicle Tracking Control   | 2.       | EA    | \$ 3,085.00 | = | \$ 6,170.00  |                              | \$ 6,170.00         |
| [insert items not listed but part of construction plans]                         |          |       |             | = | \$ -         |                              | \$ -                |
| <b>MAINTENANCE (35% of Construction BMPs)</b>                                    |          |       |             |   |              |                              | \$ 11,609.50        |
| <b>Section 1 Subtotal</b>  |          |       |             |   | <b>=</b>     | <b>\$ 45,788.50</b>          | <b>\$ 45,788.50</b> |

\* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

|  |  |      |             |   |      |  |      |
|--|--|------|-------------|---|------|--|------|
| <b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>                   |  |      |             |   |      |  |      |
| <b>ROADWAY IMPROVEMENTS</b>                                |  |      |             |   |      |  |      |
| Construction Traffic Control                               |  | LS   | \$ 5,000.00 | = | \$ - |  | \$ - |
| Aggregate Base Course (135 lbs/cf)                         |  | Tons | \$ 37.00    | = | \$ - |  | \$ - |
| Aggregate Base Course (135 lbs/cf)                         |  | CY   | \$ 66.00    | = | \$ - |  | \$ - |
| Asphalt Pavement (3" thick)                                |  | SY   | \$ 18.00    | = | \$ - |  | \$ - |
| Asphalt Pavement (4" thick)                                |  | SY   | \$ 25.00    | = | \$ - |  | \$ - |
| Asphalt Pavement (6" thick)                                |  | SY   | \$ 38.00    | = | \$ - |  | \$ - |
| Asphalt Pavement (147 lbs/cf) _" thick                     |  | Tons | \$ 114.00   | = | \$ - |  | \$ - |
| Raised Median, Paved                                       |  | SF   | \$ 11.00    | = | \$ - |  | \$ - |
| Regulatory Sign/Advisory Sign                              |  | EA   | \$ 392.00   | = | \$ - |  | \$ - |
| Guide/Street Name Sign                                     |  | EA   |             | = | \$ - |  | \$ - |
| Epoxy Pavement Marking                                     |  | SF   | \$ 17.00    | = | \$ - |  | \$ - |
| Thermoplastic Pavement Marking                             |  | SF   | \$ 30.00    | = | \$ - |  | \$ - |
| Barricade - Type 3   |  | EA   | \$ 259.00   | = | \$ - |  | \$ - |
| Delineator - Type I  |  | EA   | \$ 31.00    | = | \$ - |  | \$ - |
| Curb and Gutter, Type A (6" Vertical)                      |  | LF   | \$ 38.00    | = | \$ - |  | \$ - |
| Curb and Gutter, Type B (Median)                           |  | LF   | \$ 38.00    | = | \$ - |  | \$ - |
| Curb and Gutter, Type C (Ramp)                             |  | LF   | \$ 38.00    | = | \$ - |  | \$ - |
| 4" Sidewalk (common areas only)                            |  | SY   | \$ 62.00    | = | \$ - |  | \$ - |
| 5" Sidewalk  |  | SY   | \$ 77.00    | = | \$ - |  | \$ - |
| 6" Sidewalk  |  | SY   | \$ 94.00    | = | \$ - |  | \$ - |
| 8" Sidewalk  |  | SY   | \$ 125.00   | = | \$ - |  | \$ - |
| Pedestrian Ramp  |  | EA   | \$ 1,496.00 | = | \$ - |  | \$ - |
| Cross Pan, local (8" thick, 6' wide to include return)     |  | LF   | \$ 79.00    | = | \$ - |  | \$ - |
| Cross Pan, collector (9" thick, 8' wide to include return) |  | LF   | \$ 119.00   | = | \$ - |  | \$ - |
| Curb Opening with Drainage Chase                           |  | EA   | \$ 1,926.00 | = | \$ - |  | \$ - |
| Guardrail Type 3 (W-Beam)                                  |  | LF   | \$ 65.00    | = | \$ - |  | \$ - |
| Guardrail Type 7 (Concrete)                                |  | LF   | \$ 94.00    | = | \$ - |  | \$ - |
| Guardrail End Anchorage                                    |  | EA   | \$ 2,731.00 | = | \$ - |  | \$ - |
| Guardrail Impact Attenuator                                |  | EA   | \$ 4,902.00 | = | \$ - |  | \$ - |
| Sound Barrier Fence (CMU block, 6' high)                   |  | LF   | \$ 102.00   | = | \$ - |  | \$ - |
| Sound Barrier Fence (panels, 6' high)                      |  | LF   | \$ 104.00   | = | \$ - |  | \$ - |
| Electrical Conduit, Size =                                 |  | LF   | \$ 22.00    | = | \$ - |  | \$ - |
| Traffic Signal, (provide engineer's estimate)              |  | EA   |             | = | \$ - |  | \$ - |

**PROJECT INFORMATION**

Rock Island Trail

8/15/2024

Project Name

Date

PCD File No.

| Description  | Quantity | Units | Unit Cost    |   | Total | (with Pre-Plat Construction) |           |
|--|----------|-------|--------------|---|-------|------------------------------|-----------|
|  |          |       |              |   |       | % Complete                   | Remaining |
|  |          |       |              | = | \$ -  |                              | \$ -      |
| <i>[insert items not listed but part of construction plans]</i>                  |          |       |              | = | \$ -  |                              | \$ -      |
| <b>STORM DRAIN IMPROVEMENTS</b>  |          |       |              |   |       |                              |           |
| Concrete Box Culvert (M Standard), Size ( W x H )                                |          | LF    |              | = | \$ -  |                              | \$ -      |
| 18" Reinforced Concrete Pipe   |          | LF    | \$ 82.00     | = | \$ -  |                              | \$ -      |
| 24" Reinforced Concrete Pipe   |          | LF    | \$ 98.00     | = | \$ -  |                              | \$ -      |
| 30" Reinforced Concrete Pipe   |          | LF    | \$ 123.00    | = | \$ -  |                              | \$ -      |
| 36" Reinforced Concrete Pipe   |          | LF    | \$ 151.00    | = | \$ -  |                              | \$ -      |
| 42" Reinforced Concrete Pipe   |          | LF    | \$ 201.00    | = | \$ -  |                              | \$ -      |
| 48" Reinforced Concrete Pipe   |          | LF    | \$ 245.00    | = | \$ -  |                              | \$ -      |
| 54" Reinforced Concrete Pipe   |          | LF    | \$ 320.00    | = | \$ -  |                              | \$ -      |
| 60" Reinforced Concrete Pipe   |          | LF    | \$ 374.00    | = | \$ -  |                              | \$ -      |
| 66" Reinforced Concrete Pipe   |          | LF    | \$ 433.00    | = | \$ -  |                              | \$ -      |
| 72" Reinforced Concrete Pipe   |          | LF    | \$ 495.00    | = | \$ -  |                              | \$ -      |
| 18" Corrugated Steel Pipe  |          | LF    | \$ 105.00    | = | \$ -  |                              | \$ -      |
| 24" Corrugated Steel Pipe  |          | LF    | \$ 121.00    | = | \$ -  |                              | \$ -      |
| 30" Corrugated Steel Pipe  |          | LF    | \$ 154.00    | = | \$ -  |                              | \$ -      |
| 36" Corrugated Steel Pipe  |          | LF    | \$ 184.00    | = | \$ -  |                              | \$ -      |
| 42" Corrugated Steel Pipe  |          | LF    | \$ 212.00    | = | \$ -  |                              | \$ -      |
| 48" Corrugated Steel Pipe  |          | LF    | \$ 223.00    | = | \$ -  |                              | \$ -      |
| 54" Corrugated Steel Pipe  |          | LF    | \$ 327.00    | = | \$ -  |                              | \$ -      |
| 60" Corrugated Steel Pipe  |          | LF    | \$ 353.00    | = | \$ -  |                              | \$ -      |
| 66" Corrugated Steel Pipe  |          | LF    | \$ 427.00    | = | \$ -  |                              | \$ -      |
| 72" Corrugated Steel Pipe  |          | LF    | \$ 502.00    | = | \$ -  |                              | \$ -      |
| 78" Corrugated Steel Pipe  |          | LF    | \$ 578.00    | = | \$ -  |                              | \$ -      |
| 84" Corrugated Steel Pipe  |          | LF    | \$ 691.00    | = | \$ -  |                              | \$ -      |
| Flared End Section (FES) RCP Size = 18<br><i>(unit cost = 6x pipe unit cost)</i> |          | EA    | \$ 492.00    | = | \$ -  |                              | \$ -      |
| Flared End Section (FES) CSP Size =<br><i>(unit cost = 6x pipe unit cost)</i>    |          | EA    |              | = | \$ -  |                              | \$ -      |
| End Treatment- Headwall  |          | EA    |              | = | \$ -  |                              | \$ -      |
| End Treatment- Wingwall  |          | EA    |              | = | \$ -  |                              | \$ -      |
| End Treatment - Cutoff Wall  |          | EA    |              | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=5', Depth < 5'   |          | EA    | \$ 7,212.00  | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'                                       |          | EA    | \$ 9,377.00  | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'                                      |          | EA    | \$ 10,859.00 | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=10', Depth < 5'  |          | EA    | \$ 9,925.00  | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'                                      |          | EA    | \$ 10,230.00 | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'                                     |          | EA    | \$ 12,805.00 | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=15', Depth < 5'  |          | EA    | \$ 12,907.00 | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'                                      |          | EA    | \$ 13,835.00 | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'                                     |          | EA    | \$ 15,130.00 | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=20', Depth < 5'  |          | EA    | \$ 13,755.00 | = | \$ -  |                              | \$ -      |
| Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'                                      |          | EA    | \$ 15,181.00 | = | \$ -  |                              | \$ -      |
| Grated Inlet (Type C), Depth < 5'  |          | EA    | \$ 6,037.00  | = | \$ -  |                              | \$ -      |
| Grated Inlet (Type D), Depth < 5'  |          | EA    | \$ 7,458.00  | = | \$ -  |                              | \$ -      |
| Storm Sewer Manhole, Box Base  |          | EA    | \$ 15,130.00 | = | \$ -  |                              | \$ -      |
| Storm Sewer Manhole, Slab Base   |          | EA    | \$ 8,322.00  | = | \$ -  |                              | \$ -      |
| Geotextile (Erosion Control)   |          | SY    | \$ 9.00      | = | \$ -  |                              | \$ -      |
| Rip Rap, d50 size from 6" to 24"   |          | Tons  | \$ 104.00    | = | \$ -  |                              | \$ -      |
| Rip Rap, Grouted   |          | Tons  | \$ 124.00    | = | \$ -  |                              | \$ -      |
| Drainage Channel Construction, Size ( W x H )                                    |          | LF    |              | = | \$ -  |                              | \$ -      |
| Drainage Channel Lining, Concrete  |          | CY    | \$ 741.00    | = | \$ -  |                              | \$ -      |
| Drainage Channel Lining, Rip Rap   |          | CY    | \$ 145.00    | = | \$ -  |                              | \$ -      |
| Drainage Channel Lining, Grass   |          | AC    | \$ 1,911.00  | = | \$ -  |                              | \$ -      |
| Drainage Channel Lining, Other Stabilization                                     |          |       |              | = | \$ -  |                              | \$ -      |
| <i>[insert items not listed but part of construction plans]</i>                  |          |       |              | = | \$ -  |                              | \$ -      |
| <b>Section 2 Subtotal</b>  |          |       |              |   | =     | \$ -                         | \$ -      |

\* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

| PROJECT INFORMATION  |          |       |              |   |               |                              |               |                        |
|--|----------|-------|--------------|---|---------------|------------------------------|---------------|------------------------|
| Rock Island Trail  |          |       | 8/15/2024    |   |               |                              |               |                        |
| Project Name   |          |       | Date         |   |               | PCD File No.                 |               |                        |
| Description  | Quantity | Units | Unit Cost    |   | Total         | (with Pre-Plat Construction) |               |                        |
|  |          |       |              |   |               | % Complete                   | Remaining     |                        |
| <b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b> |          |       |              |   |               |                              |               |                        |
| <b>ROADWAY IMPROVEMENTS</b>  |          |       |              |   |               |                              |               |                        |
| Trail and trail apputenances   | 1.       | LS    | \$730,000.00 | = | \$ 730,000.00 |                              | \$ 730,000.00 |                        |
| 10,000 linal feet of 10 and 12-foot wide trail   |          |       |              | = | \$ -          |                              | \$ -          |                        |
| Minor drainage culvert   |          |       |              | = | \$ -          |                              | \$ -          |                        |
| Traffic refuge island in Peterson Road   |          |       |              | = | \$ -          |                              | \$ -          |                        |
| Minoir grading   |          |       |              | = | \$ -          |                              | \$ -          |                        |
| 210 Bridge   | 1.       | LS    | \$700,000.00 | = | \$ 700,000.00 |                              | \$ 700,000.00 |                        |
| <b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)    |          |       |              |   |               |                              |               |                        |
|  |          |       |              | = | \$ -          |                              | \$ -          |                        |
|  |          |       |              | = | \$ -          |                              | \$ -          |                        |
|  |          |       |              | = | \$ -          |                              | \$ -          |                        |
|  |          |       |              | = | \$ -          |                              | \$ -          |                        |
|  |          |       |              | = | \$ -          |                              | \$ -          |                        |
| <b>WATER SYSTEM IMPROVEMENTS</b>   |          |       |              |   |               |                              |               |                        |
| Water Main Pipe (PVC), Size 8"   |          | LF    | \$ 84.00     | = | \$ -          |                              | \$ -          |                        |
| Water Main Pipe (Ductile Iron), Size 8"  |          | LF    | \$ 98.00     | = | \$ -          |                              | \$ -          |                        |
| Gate Valves, 8"  |          | EA    | \$ 2,418.00  | = | \$ -          |                              | \$ -          |                        |
| Fire Hydrant Assembly, w/ all valves   |          | EA    | \$ 8,584.00  | = | \$ -          |                              | \$ -          |                        |
| Water Service Line Installation, inc. tap and valves   |          | EA    | \$ 1,723.00  | = | \$ -          |                              | \$ -          |                        |
| Fire Cistern Installation, complete  |          | EA    |              | = | \$ -          |                              | \$ -          |                        |
| <i>[insert items not listed but part of construction plans]</i>                                      |          |       |              | = | \$ -          |                              | \$ -          |                        |
| <b>SANITARY SEWER IMPROVEMENTS</b>   |          |       |              |   |               |                              |               |                        |
| Sewer Main Pipe (PVC), Size 8"   |          | LF    | \$ 84.00     | = | \$ -          |                              | \$ -          |                        |
| Sanitary Sewer Manhole, Depth < 15 feet  |          | EA    | \$ 5,708.00  | = | \$ -          |                              | \$ -          |                        |
| Sanitary Service Line Installation, complete   |          | EA    | \$ 1,825.00  | = | \$ -          |                              | \$ -          |                        |
| Sanitary Sewer Lift Station, complete  |          | EA    |              | = | \$ -          |                              | \$ -          |                        |
| <i>[insert items not listed but part of construction plans]</i>                                      |          |       |              | = | \$ -          |                              | \$ -          |                        |
| <b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)             |          |       |              |   |               |                              |               |                        |
|  |          | EA    |              | = | \$ -          |                              | \$ -          |                        |
|  |          | EA    |              | = | \$ -          |                              | \$ -          |                        |
|  |          | EA    |              | = | \$ -          |                              | \$ -          |                        |
|  |          | EA    |              | = | \$ -          |                              | \$ -          |                        |
|  |          | EA    |              | = | \$ -          |                              | \$ -          |                        |
| <b>Section 3 Subtotal</b>  |          |       |              |   | <b>=</b>      | <b>\$ 1,430,000.00</b>       |               | <b>\$ 1,430,000.00</b> |

\*\* - Section 3 is not subject to defect warranty requirements

**PROJECT INFORMATION**

|                          |                  |                     |
|--------------------------|------------------|---------------------|
| <b>Rock Island Trail</b> | <b>8/15/2024</b> |                     |
| <b>Project Name</b>      | <b>Date</b>      | <b>PCD File No.</b> |

| Description  | Quantity | Units | Unit Cost | Total  | (with Pre-Plat Construction) |                        |
|--|----------|-------|-----------|--------|------------------------------|------------------------|
|  |          |       |           |        | % Complete                   | Remaining              |
| AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)  |          |       |           | = \$ - |                              | \$ -                   |
| POND/BMP CERTIFICATION (inc. elevations and volume calculations)                                     |          | LS    |           | = \$ - |                              | \$ -                   |
| <b>Total Construction Financial Assurance</b>  |          |       |           |        |                              | <b>\$ 1,475,788.50</b> |
| (Sum of all section subtotals plus as-builts and pond/BMP certification)                             |          |       |           |        |                              |                        |
| <b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>                 |          |       |           |        |                              | <b>\$ 1,475,788.50</b> |
| (Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification) |          |       |           |        |                              |                        |
| <b>Total Defect Warranty Financial Assurance</b>   |          |       |           |        |                              | <b>\$ 201.80</b>       |
| (20% of all items identified as (*). To be collateralized at time of preliminary acceptance)         |          |       |           |        |                              |                        |



**Approvals** 08/15/2024  
 I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

*Todd A. Cartwright*

Please provide signature

Engineer (P.E. Seal Required)  
 \_\_\_\_\_  
 Approved by Owner / Applicant  
 \_\_\_\_\_  
 Approved by El Paso County Engineer / ECM Administrator  
 \_\_\_\_\_

\_\_\_\_\_  
 Date  
 \_\_\_\_\_  
 Date

# LETTER OF RESPONSIBILITY

The City of Colorado Springs (the “City”) hereby tenders, and El Paso County, by and through the Engineering Criteria Manual (ECM) Administrator, as delegated by the Board of County Commissioners of El Paso County, Colorado, hereby accepts, this Letter of Responsibility as surety for the project described below as provided for in the El Paso County Engineering Criteria Manual.

City hereby assumes all responsibility for construction and maintenance of the Erosion Control and Stormwater Quality Best Management Practices for the Rock Island Trail according to the approved Grading and Erosion Control Plan and Stormwater Management Plan (SWMP) prepared by Kiowa Engineering dated \_\_\_\_ \_\_, 2024 per the stamp and seal thereon, and the required permits for this construction project.

City hereby assumes all responsibility for construction of all public improvements required for the Rock Island Trail according to the approved construction drawings prepared by Kiowa Engineering dated \_\_\_\_ \_\_, 2024 per the stamp and seal thereon.

City agrees to repair any deficiencies documented by the El Paso County Planning and Community Development Department (PCD) prior to approval of final site stabilization by PCD and preliminary acceptance of any public improvements. City shall complete construction, site stabilization, and repairs to any deficiencies within two (2) years of the date of approval of this letter. This letter shall be in effect until final site stabilization has been documented by PCD and final acceptance of any public improvements by El Paso County.

In the event that City fails to perform its obligations hereunder, El Paso County shall have the right to exercise all administrative, equitable and legal remedies available to it.

City of Colorado Springs:

By: \_\_\_\_\_  
Authorized Signature Date

\_\_\_\_\_  
Name (Print)

\_\_\_\_\_  
Title

ECM ADMINISTRATOR  
EL PASO COUNTY, COLORADO

By: \_\_\_\_\_  
Jennifer Irvine, P.E., County Engineer Date

Please provide signature

Please update to Joshua Palmer