

2015 Financial Assurance Estimate Form (with pre-plat construction)

8/6/2015

| | |
|--|-------------------|
| Project Information | |
| 4-Way Ranch Metro District - Lift Station | 10/25/2018 |
| Project Name | Date |

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | Price | % Complete | Remaining |
|--|----------|-------|------------|----------------|---------------|
| Earthwork* | 1,165.00 | CY | @ \$ 5 | = \$ 5,825.00 | \$ 5,825.00 * |
| Permanent Seeding* (inc. noxious weed mgmnt.) | 0.39 | AC | @ \$ 582 | = \$ 228.73 | \$ 228.73 * |
| Mulching* | 0.39 | AC | @ \$ 507 | = \$ 199.25 | \$ 199.25 * |
| Permanent Erosion Control Blanket* | | SY | @ \$ 6 | = \$ | \$ - * |
| Temporary Erosion Control Blanket | | SY | @ \$ 3 | = \$ | \$ - |
| Vehicle Tracking Control | 1.00 | EA | @ \$ 1,625 | = \$ 1,625.00 | \$ 1,625.00 |
| Safety Fence | | LF | @ \$ 3 | = \$ | \$ - |
| Silt Fence | 550.00 | LF | @ \$ 4 | = \$ 2,200.00 | \$ 2,200.00 |
| Temporary Seeding | | AC | @ \$ 485 | = \$ | \$ - |
| Temporary Mulch | | AC | @ \$ 507 | = \$ | \$ - |
| Erosion Bales | | EA | @ \$ 21 | = \$ | \$ - |
| Erosion Logs | | LF | @ \$ 6 | = \$ | \$ - |
| Rock Ditch Checks | | EA | @ \$ | = \$ | \$ - |
| Inlet Protection | | EA | @ \$ 153 | = \$ | \$ - |
| Sediment Basin | | EA | @ \$ 1,625 | = \$ | \$ - |
| Concrete Washout Basin | 1.00 | EA | @ \$ 776 | = \$ 776.00 | \$ 776.00 |
| | | @ \$ | = \$ | | \$ - |
| * Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. | | | | | |
| Section 1 Subtotal | | | | = \$ 10,853.98 | \$ 10,853.98 |

| Section 2 - Public Improvements** | Quantity | Units | Price | % Complete | Remaining |
|---------------------------------------|----------|-------|--------------|---------------|---------------|
| - Roadway Improvements | | | | | |
| Construction Traffic Control | 1.00 | LS | @ \$ 2,000 | = \$ 2,000.00 | \$ 2,000.00 * |
| Aggregate Base Course | | Tons | @ \$ 18 | = \$ | \$ - * |
| Asphalt Pavement | | Tons | @ \$ 65 | = \$ | \$ - * |
| Raised Median, Paved | | SF | @ \$ 7 | = \$ | \$ - * |
| Electrical Conduit, Size = | | LF | @ \$ 14 | = \$ | \$ - * |
| Traffic Signal, complete intersection | | EA | @ \$ 250,000 | = \$ | \$ - * |
| Regulatory Sign | | EA | @ \$ 100 | = \$ | \$ - * |
| Advisory Sign | | EA | @ \$ 100 | = \$ | \$ - * |
| Guide/Street Name Sign | | EA | @ \$ | = \$ | \$ - * |
| Epoxy Pavement Marking | | SF | @ \$ 12 | = \$ | \$ - * |
| Thermoplastic Pavement Marking | | SF | @ \$ 22 | = \$ | \$ - * |
| Barricade - Type 3 | | EA | @ \$ 115 | = \$ | \$ - * |
| Delineator (Type I) | | EA | @ \$ 21 | = \$ | \$ - * |
| Curb and Gutter, Type C (Ramp) | | LF | @ \$ 21 | = \$ | \$ - * |
| Curb and Gutter, Type A (6" Vertical) | | LF | @ \$ 16 | = \$ | \$ - * |
| Curb and Gutter, Type B (Median) | | LF | @ \$ 13 | = \$ | \$ - * |
| Pedestrian Ramp | | SY | @ \$ 108 | = \$ | \$ - * |

| | | | | | | | | | | |
|--|--|----|---|----|---------|---|----|----|---|---|
| Cross Pan | | SY | @ | \$ | \$53 | = | \$ | \$ | - | * |
| Curb Chase | | EA | @ | \$ | \$1,300 | = | \$ | \$ | - | * |
| Guardrail Type 3 (W-Beam) | | LF | @ | \$ | \$18 | = | \$ | \$ | - | * |
| Guardrail Type 7 (Concrete) | | LF | @ | \$ | \$67 | = | \$ | \$ | - | * |
| Guardrail End Anchorage | | EA | @ | \$ | \$1,978 | = | \$ | \$ | - | * |
| Guardrail Impact Attenuator | | EA | @ | \$ | \$3,564 | = | \$ | \$ | - | * |
| Sound Barrier Fence | | LF | @ | \$ | \$100 | = | \$ | \$ | - | * |
| - Storm Drain Improvements | | | | | | | | | | |
| Concrete Box Culvert (M Standard), Size (W x H) | | LF | @ | \$ | | = | \$ | \$ | - | * |
| Reinforced Concrete Pipe (RCP) Size | | LF | @ | \$ | | = | \$ | \$ | - | * |
| 18" Reinforced Concrete Pipe | | LF | @ | \$ | \$69 | = | \$ | \$ | - | * |
| 24" Reinforced Concrete Pipe | | LF | @ | \$ | \$84 | = | \$ | \$ | - | * |
| 30" Reinforced Concrete Pipe | | LF | @ | \$ | \$94 | = | \$ | \$ | - | * |
| 36" Reinforced Concrete Pipe | | LF | @ | \$ | \$124 | = | \$ | \$ | - | * |
| 42" Reinforced Concrete Pipe | | LF | @ | \$ | \$134 | = | \$ | \$ | - | * |
| 48" Reinforced Concrete Pipe | | LF | @ | \$ | \$178 | = | \$ | \$ | - | * |
| 54" Reinforced Concrete Pipe | | LF | @ | \$ | \$182 | = | \$ | \$ | - | * |
| 60" Reinforced Concrete Pipe | | LF | @ | \$ | \$216 | = | \$ | \$ | - | * |
| 66" Reinforced Concrete Pipe | | LF | @ | \$ | \$263 | = | \$ | \$ | - | * |
| 72" Reinforced Concrete Pipe | | LF | @ | \$ | \$283 | = | \$ | \$ | - | * |
| Corrugated Steel Pipe (CSP) Size | | LF | @ | \$ | | = | \$ | \$ | - | * |
| 18" Corrugated Steel Pipe | | LF | @ | \$ | \$66 | = | \$ | \$ | - | * |
| 24" Corrugated Steel Pipe | | LF | @ | \$ | \$96 | = | \$ | \$ | - | * |
| 30" Corrugated Steel Pipe | | LF | @ | \$ | \$101 | = | \$ | \$ | - | * |
| 36" Corrugated Steel Pipe | | LF | @ | \$ | \$136 | = | \$ | \$ | - | * |
| 42" Corrugated Steel Pipe | | LF | @ | \$ | \$147 | = | \$ | \$ | - | * |
| 48" Corrugated Steel Pipe | | LF | @ | \$ | \$169 | = | \$ | \$ | - | * |
| 54" Corrugated Steel Pipe | | LF | @ | \$ | \$193 | = | \$ | \$ | - | * |
| 60" Corrugated Steel Pipe | | LF | @ | \$ | \$227 | = | \$ | \$ | - | * |
| 66" Corrugated Steel Pipe | | LF | @ | \$ | \$278 | = | \$ | \$ | - | * |
| 72" Corrugated Steel Pipe | | LF | @ | \$ | \$330 | = | \$ | \$ | - | * |
| 78" Corrugated Steel Pipe | | LF | @ | \$ | \$381 | = | \$ | \$ | - | * |
| 84" Corrugated Steel Pipe | | LF | @ | \$ | \$432 | = | \$ | \$ | - | * |
| Flared End Section (FES) RCP † | | EA | @ | \$ | | = | \$ | \$ | - | * |
| Flared End Section (FES) CSP † | | EA | @ | \$ | | = | \$ | \$ | - | * |
| End Treatment- Headwall | | EA | @ | \$ | | = | \$ | \$ | - | * |
| End Treatment- Wingwall | | EA | @ | \$ | | = | \$ | \$ | - | * |
| End Treatment - Cutoff Wall | | EA | @ | \$ | | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L=5', Depth < 5 feet | | EA | @ | \$ | \$3,791 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L=5', 5'-10' Depth | | EA | @ | \$ | \$5,044 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =5' , 10'-15' Depth | | EA | @ | \$ | \$6,027 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =10' , Depth < 5 feet | | EA | @ | \$ | \$5,528 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =10' , 5'-10' Depth | | EA | @ | \$ | \$6,694 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =10' , 10'-15' Depth | | EA | @ | \$ | \$7,500 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =15' , Depth < 5 feet | | EA | @ | \$ | \$7,923 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =15' , 5'-10' Depth | | EA | @ | \$ | \$8,000 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =15' , 10'-15' Depth | | EA | @ | \$ | \$8,800 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =20' , Depth < 5 feet | | EA | @ | \$ | \$8,000 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L =20' , 5'-10' Depth | | EA | @ | \$ | \$8,830 | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L = ___' , ___' - ___' Depth | | EA | @ | \$ | | = | \$ | \$ | - | * |
| Curb Inlet (Type R) L = ___' , ___' - ___' Depth | | EA | @ | \$ | | = | \$ | \$ | - | * |
| Grated Inlet (Type C), < 5' deep | | EA | @ | \$ | \$3,270 | = | \$ | \$ | - | * |
| Grated Inlet (Type D), < 5' deep | | EA | @ | \$ | \$3,908 | = | \$ | \$ | - | * |
| Storm Sewer Manhole, Box Base, Depth < 15 feet | | EA | @ | \$ | \$8,592 | = | \$ | \$ | - | * |
| Storm Sewer Manhole, Slab Base, Depth < 15 feet | | EA | @ | \$ | \$4,575 | = | \$ | \$ | - | * |
| Geotextile (Erosion Control) | | SY | @ | \$ | \$5 | = | \$ | \$ | - | * |

| Section 3 - Common Development Improvements (Private or District)*** | Quantity | Units | | Price | | % Complete | Remaining |
|---|----------|-------|---|---------------------------|---|---------------|-------------|
| - Roadway Improvements | | | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| Concrete Sidewalk | | SY | @ | \$ 38 | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| - Storm Drain Improvements | | | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| | | | @ | \$ | = | \$ | \$ - |
| - Water System Improvements | | | | | | | |
| Water Main Pipe (PVC), Size 8" | | LF | @ | \$ 94 | = | \$ | \$ - |
| Water Main Pipe (Ductile Iron), Size 8" | | LF | @ | \$ 137 | = | \$ | \$ - |
| Gate Valves, 8" | | EA | @ | \$ 1,852 | = | \$ | \$ - |
| Fire Hydrant Assembly w/ all valves | | EA | @ | \$ 6,430 | = | \$ | \$ - |
| Water Service Line Installation, including tap and valves | | EA | @ | \$ 1,253 | = | \$ | \$ - |
| Fire Cistern Installation, complete | | EA | @ | \$ | = | \$ | \$ - |
| - Sanitary Sewer Improvements | | | | | | | |
| Sewer Main Pipe (PVC), Size 8" | | LF | @ | \$ 94 | = | \$ | \$ - |
| Sanitary Sewer Manhole, Depth < 15 feet | | EA | @ | \$ 4,575 | = | \$ | \$ - |
| Sanitary Service Line Installation, complete | | EA | @ | \$ 1,516 | = | \$ | \$ - |
| Sanitary Sewer Lift Station, complete | | EA | @ | \$ | = | \$ | \$ - |
| - Landscaping (If Applicable) | | | | | | | |
| (List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD) | 1.00 | EA | @ | \$ 5,000 | = | \$ 5,000.00 | \$ 5,000.00 |
| | | EA | @ | \$ | = | \$ | \$ - |
| | | EA | @ | \$ | = | \$ | \$ - |
| | | EA | @ | \$ | = | \$ | \$ - |
| | | EA | @ | \$ | = | \$ | \$ - |
| ***items in this section are not subject to defect warranty financial assurance | | | | Section 3 Subtotal | | \$ 5,000.00 | 5,000.00 |

Financial Assurance Totals

| | | |
|---|---|--------------------|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) | \$ | |
| (Inc. survey to verify detention pond volumes.) | Total Construction Financial Assurance | \$17,853.98 |
| | (Sum of all section subtotals) | |
| | Total Remaining Construction Financial Assurance | 17,853.98 |
| | (Sum of all section totals less credit for items complete) | |
| | Total Defect Warranty Financial Assurance | \$1,650.60 |
| | (20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance) | |
| | Per Direction by EPC: Total Financial Assurance Less ROW Improvements (Section 2) = | \$15,853.98 |

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.

Ryan Mangino

10/25/18

Engineer

Date

(P.E. Seal)



Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date