

2015 Financial Assurance Estimate Form

(Basic form)

12/28/17

| | |
|--------------------------------------|-------------------|
| Project Information | |
| South Academy Business Center | 12/28/2017 |
| Project Name | Date |

| Section 1 - Grading and Erosion Control BMPs | Quantity | Units | | Price | | |
|--|----------|-------|---|---------------------------|---|--------------------|
| Earthwork* | 600.00 | CY | @ | \$ 5 | = | \$ 3,000.00 * |
| Permanent Seeding* | 1.00 | AC | @ | \$ 582 | = | \$ 582.00 * |
| Mulching* | 1.00 | AC | @ | \$ 507 | = | \$ 507.00 * |
| Permanent Erosion Control Blanket* | | SY | @ | \$ 6 | = | \$ * |
| Temporary Erosion Control Blanket | | SY | @ | \$ 3 | = | \$ |
| Vehicle Tracking Control | 1.00 | EA | @ | \$ 1,625 | = | \$ 1,625.00 |
| Safety Fence | | LF | @ | \$ 3 | = | \$ |
| Silt Fence | 150.00 | LF | @ | \$ 4 | = | \$ 600.00 |
| Temporary Seeding | | AC | @ | \$ 485 | = | \$ |
| Temporary Mulch | | AC | @ | \$ 507 | = | \$ |
| Erosion Bales | | EA | @ | \$ 21 | = | \$ |
| Erosion Logs | | LF | @ | \$ 6 | = | \$ |
| Rock Ditch Checks | | EA | @ | \$ | = | \$ |
| Inlet Protection | 1.00 | EA | @ | \$ 153 | = | \$ 153.00 |
| Sediment Basin | | EA | @ | \$ 1,625 | = | \$ |
| Concrete Washout Basin | | EA | @ | \$ 776 | = | \$ |
| | | | @ | \$ | = | \$ |
| specified items subject to defect warranty financial assurance | | | | | | |
| | | | | Section 1 Subtotal | = | \$ 6,467.00 |

| Section 2 - Public Improvements** | Quantity | Units | | Price | | |
|---------------------------------------|----------|-------|---|------------|---|--------------|
| - Roadway Improvements | | | | | | |
| Construction Traffic Control | 1.00 | LS | @ | \$ 1,000 | = | \$ 1,000.00 |
| Aggregate Base Course | 723.00 | Tons | @ | \$ 18 | = | \$ 13,014.00 |
| Asphalt Pavement | 419.00 | Tons | @ | \$ 65 | = | \$ 27,235.00 |
| Gravel | 1,000.00 | Tons | @ | \$ 18 | = | \$ 18,000.00 |
| 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 | @ | \$ 177 | = | \$ |
| 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) | 200.00 | LF | @ | \$ 16 | = | \$ 3,200.00 |
| Curb and Gutter, Type B (Median) | | LF | @ | \$ 13 | = | \$ |
| Pedestrian Ramp | | SY | @ | \$ 108 | = | \$ |

| | | | | | | | |
|---|--|----|---|----|---------|---|----|
| Cross Pan | | SY | @ | \$ | \$53 | = | \$ |
| Curb Chase | | EA | @ | \$ | \$1,300 | = | \$ |
| Concrete Sidewalk | | SF | @ | \$ | \$3 | = | \$ |
| 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 | = | \$ |
| High Density Polyethylene (HDPE) Pipe 18" | | LF | @ | \$ | \$45 | = | \$ |
| 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) HDPE 18" | | EA | @ | \$ | \$450 | = | \$ |
| 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 | = | \$ |
| Rip Rap, d50 Size from 6" to 24" | 10.00 | CY | @ | \$ | \$98 | = | \$ 980.00 |
| Rip Rap, Grouted | | CY | @ | \$ | \$215 | = | \$ |
| Drainage Channel Construction, Size (W x H) | | LF | @ | \$ | | = | \$ |
| Channel Lining, Concrete | | CY | @ | \$ | \$450 | = | \$ |
| Channel Lining, Rip Rap | | CY | @ | \$ | \$98 | = | \$ |
| Channel Lining, Grass | | AC | @ | \$ | \$1,287 | = | \$ |
| Impact Stilling Basin | | SY | @ | \$ | \$5,000 | = | \$ |
| Detention Outlet Structure | 1.00 | EA | @ | \$ | 5,000 | = | \$ 5,000.00 |
| Detention Emergency Spillway | 1.00 | EA | @ | \$ | 1,500 | = | \$ 1,500.00 |
| Permanent Water Quality Facility (Describe) | | EA | @ | \$ | | = | \$ |
| **all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6 | | | | | Section 2 Subtotal | = | \$ 69,929.00 ** |

| Section 3 - Common Development Improvements (Private or District)*** | Quantity | Units | | Price | | | |
|---|-----------------|--------------|---------------------------|--------------|----|----|----|
| - Roadway Improvements | | | | | | | |
| (Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County) | | | @ | \$ | = | \$ | |
| | | | @ | \$ | = | \$ | |
| | | | @ | \$ | = | \$ | |
| | | | @ | \$ | = | \$ | |
| | | | @ | \$ | = | \$ | |
| | | | @ | \$ | = | \$ | |
| - 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, inc. tap & valves | | EA | @ | \$ 1,253 | = | \$ | |
| Fire Cistern Installation, complete | | EA | @ | \$ | = | \$ | |
| - Sanitary Sewer Improvements | | | | | | | |
| Sewer Main Pipe (PVC), Size 8" | | LF | @ | \$ 94 | = | \$ | |
| Sewer Main Pipe (PVC), Size 10" | | | | \$100 | | | |
| 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) | | | EA | @ | \$ | = | \$ |
| | | | EA | @ | \$ | = | \$ |
| | | | EA | @ | \$ | = | \$ |
| | | | EA | @ | \$ | = | \$ |
| | | | EA | @ | \$ | = | \$ |
| ***items in this section are not subject to defect warranty financial assurance | | | Section 3 Subtotal | | = | \$ | |

Financial Assurance Totals

| | | |
|--|---|-----------------------|
| As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) | | \$ |
| (Inc. survey to verify detention pond volumes.) | Construction Financial Assurance Total | = \$ 76,396.00 |
| | (Sum of all Section Totals) | |
| | Public Improvements Total* ** | \$ 74,018.00 |
| | Defect Warranty Financial Assurance Total | = \$ 14,803.60 |
| | (20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items) | |

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.

[Handwritten Signature]

12/28/17

Engineer

Date

(P.E. Seal)



Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date