

# 2015 Financial Assurance Estimate Form

(Basic form)

8/6/2015

## Project Information

SF 17-021

Judge Orr Renchettes

12/18/2018

Project Name

Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	2,920.00	CY	@	\$ 5	=	\$ 14,600.00 *
Permanent Seeding* (inc. noxious weed management)	2.30	AC	@	\$ 582	=	\$ 1,338.60 *
Mulching*	2.30	AC	@	\$ 507	=	\$ 1,166.10 *
Permanent Erosion Control Blanket*		SY	@	\$ 6	=	\$
Temporary Erosion Control Blanket		SY	@	\$ 3	=	\$
Vehicle Tracking Control	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Safety Fence		LF	@	\$ 3	=	\$
Silt Fence	2,580.00	LF	@	\$ 4	=	\$ 10,320.00
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales	9.00	EA	@	\$ 21	=	\$ 189.00
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks	20.00	EA	@	\$ 40	=	\$ 800.00
Inlet Protection		EA	@	\$ 153	=	\$
Sediment Basin	2.00	EA	@	\$ 1,625	=	\$ 3,250.00
Concrete Washout Basin		EA	@	\$ 776	=	\$
			@	\$	=	\$
Specified items subject to defect warranty financial assurance						
Section 1 Subtotal						= \$ 34,913.70

Section 2 - Public Improvements**	Quantity	Units		Price		
<b>- Roadway Improvements</b>						
Construction Traffic Control		LS	@	\$	=	\$
Aggregate Base Course	2,261.00	Tons	@	\$ 18	=	\$ 40,698.00
Asphalt Pavement	1,566.00	Tons	@	\$ 65	=	\$ 101,790.00
Raised Median, Paved		SF	@	\$ 7	=	\$
Electrical Conduit, Size =		LF	@	\$ 14	=	\$
Traffic Signal, complete intersection		EA	@	\$ 250,000	=	\$
Regulatory Sign	3.00	EA	@	\$ 100	=	\$ 300.00
Advisory Sign	5.00	EA	@	\$ 100	=	\$ 500.00
Guide/Street Name Sign	6.00	EA	@	\$ 100	=	\$ 600.00
Epoxy Pavement Marking	50.00	SF	@	\$ 12	=	\$ 600.00
Thermoplastic Pavement Marking		SF	@	\$ 22	=	\$
Barricade - Type 3	1.00	EA	@	\$ 115	=	\$ 115.00
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	=	\$
<b>- Storm Drain Improvements</b>							
Concrete Box Culvert (M Standard), Size ( W x H )		LF	@	\$		=	\$
Reinforced Concrete Pipe (RCP) Size 15"		LF	@	\$	\$69	=	\$
18" Reinforced Concrete Pipe		LF	@	\$	\$69	=	\$
24" Reinforced Concrete Pipe		LF	@	\$	\$84	=	\$
30" Reinforced Concrete Pipe	58.00	LF	@	\$	\$94	=	\$ 5,452.00
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 †	2.00	EA	@	\$	800	=	\$ 1,600.00
Flared End Section (FES) CSP †		EA	@	\$		=	\$
End Treatment- Headwall		EA	@	\$		=	\$
End Treatment- Wingwall		EA	@	\$		=	\$
End Treatment - Cutoff Wall		CY	@	\$	550	=	\$
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	=	\$
Soil Rip Rap, d50 Size from 6" to 24"	22.50	CY	@	\$	\$98	=	\$ 2,205.00
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	=	\$
Channel Lining, Other Stabilization		SY	@	\$	\$3	=	\$
Detention Outlet Structure		EA	@	\$	9,000	=	\$
Detention Emergency Spillway		EA	@	\$		=	\$
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		=	\$ 153,860.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		
<b>- Roadway Improvements</b>						
(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	=	\$
Construction Traffic Control		LS	@	\$	=	\$
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	@	\$ 100	=	\$
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	=	\$
			@	\$	=	\$
			@	\$	=	\$
<b>- Storm Drain Improvements</b>						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
Reinforced Concrete Pipe (RCP)		LF	@	\$ 69	=	\$
30" Corrugated Steel Pipe		LF	@	\$ 101	=	\$
36" Corrugated Steel Pipe		LF	@	\$ 136	=	\$
Flared End Section (FES) †		EA	@	\$ 63	=	\$
Soil Rip Rap, d50 Size from 6" to 24"		CY	@	\$ 98	=	\$
Detention Outlet Structure		EA	@	\$ 9,000	=	\$
Detention Emergency Spillway		EA	@	\$ 2,500	=	\$
Soil Rip Rap Rundown, d50=12"		CY	@	\$ 98	=	\$
			@	\$	=	\$
<b>- Water System Improvements</b>						
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	@	\$		=	\$
<b>- Sanitary Sewer Improvements</b>							
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	@	\$		=	\$
<b>- Landscaping (If Applicable)</b>							
(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				<b>Section 3 Subtotal</b>		=	\$

### Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)

\$ 3,000.00

( Inc. survey to verify detention pond volumes.)

Construction Financial Assurance Total = \$ 191,773.70

(Sum of all Section Totals)

Public Improvements Total\* \*\* \$ 170,964.70

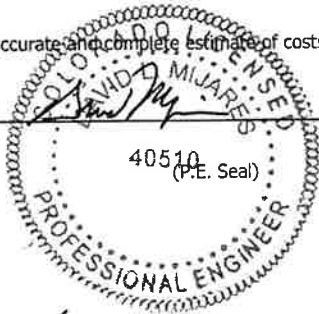
Defect Warranty Financial Assurance Total = \$ 34,192.94

(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.

Engineer



Date

1.30.19

Approved by Owner / Applicant

A handwritten signature in black ink, appearing to be "J. B. Frip".

Date

30 January 2019

Approved by El Paso County Engineer / ECM Administrator

Approved

By: Elizabeth NijKamp

Date: 07/10/2019

El Paso County Planning & Community Development

