

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

10/15/2015

Project Information	
Fontaine Blvd & Lamprey Drive	<u>4/2/2018</u>
Project Name	Date

Section 1 - Grading and Erosion Control BMPs - PUDSP-16-003	Quantity	Units	Price		% Complete	Remaining
Earthwork*		CY @	\$ 5	= \$		\$ - *
Permanent Seeding*		AC @	\$ 582	= \$		\$ - *
Mulching*		AC @	\$ 507	= \$		\$ - *
Permanent Erosion Control Blanket*		SY @	\$ 6	= \$		\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3	= \$		\$ - *
Vehicle Tracking Control		EA @	\$ 1,625	= \$		\$ - *
Safety Fence		LF @	\$ 3	= \$		\$ - *
Silt Fence		LF @	\$ 4	= \$		\$ - *
Temporary Seeding		AC @	\$ 485	= \$		\$ - *
Temporary Mulch		AC @	\$ 507	= \$		\$ - *
Erosion Bales		EA @	\$ 21	= \$		\$ - *
Erosion Logs		LF @	\$ 6	= \$		\$ - *
Rock Ditch Checks		EA @	\$ 4,000	= \$		\$ - *
Inlet Protection	16.00	EA @	\$ 153	= \$ 2,448.00		\$ 2,448.00
Sediment Basin		EA @	\$ 1,625	= \$		\$ - *
Concrete Washout Basin	1.00	EA @	\$ 776	= \$ 776.00		\$ 776.00
		@	\$	= \$		\$ - *
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.						
Section 1 Subtotal				= \$	3,224.00	\$ 3,224.00

Section 2 - Public Improvements**	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
Construction Traffic Control		LS @	\$ 5,000	= \$		\$ - *
Aggregate Base Course	10,000.00	Tons @	\$ 18	= \$ 180,000.00		\$ 180,000.00 *
Asphalt Pavement	8,770.00	Tons @	\$ 65	= \$ 570,050.00		\$ 570,050.00 *
Raised Median, Paved	11,300.00	SF @	\$ 7	= \$ 79,100.00		\$ 79,100.00 *
Electrical Conduit, Size =		LF @	\$ 14	= \$		\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	= \$		\$ - *
Regulatory Sign	31.00	EA @	\$ 100	= \$ 3,100.00		\$ 3,100.00 *
Advisory Sign		EA @	\$ 100	= \$		\$ - *
Guide/Street Name Sign	8.00	EA @	\$ 200	= \$ 1,600.00		\$ 1,600.00 *
Epoxy Pavement Marking	8,100.00	SF @	\$ 12	= \$ 97,200.00		\$ 97,200.00 *
Thermoplastic Pavement Marking	150.00	SF @	\$ 22	= \$ 3,300.00		\$ 3,300.00 *
Barricade - Type F	4.00	EA @	\$ 115	= \$ 460.00		\$ 460.00 *
Delineator (Type I)		EA @	\$ 21	= \$		\$ - *
Curb and Gutter, Type C (Ramp)		LF @	\$ 21	= \$		\$ - *
Curb and Gutter, Type A (6" Vertical)	11,100.00	LF @	\$ 16	= \$ 177,600.00		\$ 177,600.00 *
Curb and Gutter, Type B (Median)	1,280.00	LF @	\$ 13	= \$ 16,640.00		\$ 16,640.00 *
Pedestrian Ramp	260.00	SY @	\$ 108	= \$ 28,080.00		\$ 28,080.00 *

Cross Pan	85.00	SY	@	\$ 53	=	\$ 4,505.00	\$ 4,505.00 *
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	=	\$	\$ - *
Jimmy Camp Creek Bridge (260' long)		LS	@	\$ 2,550,000	=	\$	\$ - *
- Storm Drain Improvements							
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$	=	\$	\$ - *
Reinforced Concrete Pipe (RCP) 24" HERC		LF	@	\$ 90	=	\$	\$ - *
18" Reinforced Concrete Pipe	540.00	LF	@	\$ 69	=	\$ 37,260.00	\$ 37,260.00 *
24" Reinforced Concrete Pipe	400.00	LF	@	\$ 84	=	\$ 33,600.00	\$ 33,600.00 *
30" Reinforced Concrete Pipe	145.00	LF	@	\$ 94	=	\$ 13,630.00	\$ 13,630.00 *
36" Reinforced Concrete Pipe	1,030.00	LF	@	\$ 124	=	\$ 127,720.00	\$ 127,720.00 *
42" Reinforced Concrete Pipe	1,100.00	LF	@	\$ 134	=	\$ 147,400.00	\$ 147,400.00 *
48" Reinforced Concrete Pipe	220.00	LF	@	\$ 178	=	\$ 39,160.00	\$ 39,160.00 *
54" Reinforced Concrete Pipe	1,400.00	LF	@	\$ 182	=	\$ 254,800.00	\$ 254,800.00 *
60" Reinforced Concrete Pipe		LF	@	\$ 216	=	\$	\$ - *
66" Reinforced Concrete Pipe	1,370.00	LF	@	\$ 263	=	\$ 360,310.00	\$ 360,310.00 *
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 †	4.00	EA	@	\$ 800	=	\$ 3,200.00	\$ 3,200.00 *
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	3.00	EA	@	\$ 5,044	=	\$ 15,132.00	\$ 15,132.00 *
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	7.00	EA	@	\$ 6,694	=	\$ 46,858.00	\$ 46,858.00 *
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	6.00	EA	@	\$ 8,000	=	\$ 48,000.00	\$ 48,000.00 *
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	2.00	EA	@	\$ 8,830	=	\$ 17,660.00	\$ 17,660.00 *
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	12.00	EA	@	\$ 8,592	=	\$ 103,104.00	\$ 103,104.00 *
Storm Sewer Manhole, Slab Base, Depth < 15 feet	8.00	EA	@	\$ 4,575	=	\$ 36,600.00	\$ 36,600.00 *
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$	\$ - *
Rip Rap, d50 Size from 6" to 24"	300.00	CY	@	\$ 98	=	\$ 29,400.00	\$ 29,400.00 *
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	@	\$	20,000	=	\$		\$	-	*
Detention Emergency Spillway		EA	@	\$	15,000	=	\$		\$	-	*
Permanent Water Quality Facility (Describe)		EA	@	\$	25,000	=	\$		\$	-	*
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6										1,313,834.00	
Section 2 Subtotal							=	\$	2,475,469.00		2,475,469.00 **

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	7,500.00	SY	@ \$38	=	\$ 285,000.00	\$ 285,000.00
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- 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	=	\$	\$ -
		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)		EA	@ \$	=	\$	\$ -
		EA	@ \$	=	\$	\$ -
		EA	@ \$	=	\$	\$ -
		EA	@ \$	=	\$	\$ -
		EA	@ \$	=	\$	\$ -
***Items in this section are not subject to defect warranty financial assurance						
Section 3 Subtotal				=	\$ 285,000.00	285,000.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) \$ \$5,000

(Inc. survey to verify detention pond volumes.) **Total Construction Financial Assurance** \$3,629,033.00
(Sum of all section subtotals)

Total Remaining Construction Financial Assurance 3,629,033.00
(Sum of all section totals less credit for items complete)

Total Defect Warranty Financial Assurance \$495,093.80
(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)

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

(P.E. Seal)



[Handwritten Signature]

4/14/18

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date