

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

10/15/2015

<b>Project Information</b>	
Fontaine Blvd & Lamprey Drive	4/2/2018
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
<b>- Roadway Improvements</b>						
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	=	\$		\$	-	*
<b>- Storm Drain Improvements</b>											
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
<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	7,500.00	SY	@ \$ \$38	=	\$ 285,000.00	\$ 285,000.00
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
<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)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
<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, including tap and valves		EA	@ \$ \$1,253	=	\$	\$ -
		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						
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)



4/14/18

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

**Approved**

by Elizabeth Nijkamp

El Paso County Planning and Community Development  
on behalf of Jennifer Irvine, County Engineer, ECM Administrator**05/23/2018 6:06:56 PM**