

Use the latest version of the FAE form.
(attached)



Revise the FAE specific to the
respective filings. Further review
will be provided with the
re-submittal.

8/6/2015

2015 Financial Assurance Estimate Form

(Basic form)

Project Information		Include the temporary sediment basin	
Riverbend Crossing Filings No. 1 and 2		9/25/2018	
Project Name		Date	

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	194,066.00	CY	@	\$ \$5	=	\$ 970,330.00 *
Permanent Seeding* (inc. noxious weed management)	4.00	AC	@	\$ \$582	=	\$ 2,328.00 *
Mulching*	4.00	AC	@	\$ \$507	=	\$ 2,028.00 *
Permanent Erosion Control Blanket*	20,348.00	SY	@	\$ \$6	=	\$ 122,088.00 *
Temporary Erosion Control Blanket		SY	@	\$ \$3	=	\$
Vehicle Tracking Control	2.00	EA	@	\$ \$1,625	=	\$ 3,250.00
Safety Fence		LF	@	\$ \$3	=	\$
Silt Fence	4,802.00	LF	@	\$ \$4	=	\$ 19,208.00
Temporary Seeding	41.50	AC	@	\$ \$485	=	\$ 20,127.50
Temporary Mulch	41.50	AC	@	\$ \$507	=	\$ 21,040.50
Erosion Bales		EA	@	\$ \$21	=	\$
Erosion Logs	460.00	LF	@	\$ \$6	=	\$ 2,760.00
Rock Ditch Checks		EA	@	\$	=	\$
Inlet Protection	14.00	EA	@	\$ \$153	=	\$ 2,142.00
Sediment Basin		EA	@	\$ \$1,625	=	\$
Concrete Washout Basin	2.00	EA	@	\$ \$776	=	\$ 1,552.00
			@	\$	=	\$
Specified items subject to defect warranty financial assurance						
				Section 1 Subtotal		\$ 1,166,854.00

Section 2 - Public Improvements**	Quantity	Units		Price		
- Roadway Improvements						
Construction Traffic Control		LS	@	\$	=	\$
Aggregate Base Course	6,800.00	Tons	@	\$ \$18	=	\$ 122,400.00
Asphalt Pavement	8,800.00	Tons	@	\$ \$65	=	\$ 572,000.00
Raised Median, Paved		SF	@	\$ \$7	=	\$
Electrical Conduit, Size =		LF	@	\$ \$14	=	\$
Traffic Signal, complete intersection		EA	@	\$ \$250,000	=	\$
Regulatory Sign	13.00	EA	@	\$ \$100	=	\$ 1,300.00
Advisory Sign		EA	@	\$ \$100	=	\$
Guide/Street Name Sign	22.00	EA	@	\$ \$100	=	\$ 2,200.00
Epoxy Pavement Marking	288.00	SF	@	\$ \$12	=	\$ 3,456.00
Thermoplastic Pavement Marking		SF	@	\$ \$22	=	\$
Barricade - Type 3	2.00	EA	@	\$ \$115	=	\$ 230.00
Delineator (Type I)		EA	@	\$ \$21	=	\$
Curb and Gutter, Type C (Ramp)	10,649.00	LF	@	\$ \$21	=	\$ 223,629.00
Curb and Gutter, Type A (6" Vertical)	3,902.00	LF	@	\$ \$16	=	\$ 62,432.00
Curb and Gutter, Type B (Median)		LF	@	\$ \$13	=	\$
Pedestrian Ramp	170.00	SY	@	\$ \$108	=	\$ 18,360.00

Add PCD File No.

Cross Pan	380.00	SY	@	\$	\$53	=	\$	20,140.00
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	=	\$	
Sound Barrier Fence		LF	@	\$	\$100	=	\$	
- Storm Drain Improvements								
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$		=	\$	
Reinforced Concrete Pipe (RCP) Size 15"	61.00	LF	@	\$	\$69	=	\$	4,209.00
18" Reinforced Concrete Pipe	205.00	LF	@	\$	\$69	=	\$	14,145.00
24" Reinforced Concrete Pipe	3,379.00	LF	@	\$	\$84	=	\$	283,836.00
30" Reinforced Concrete Pipe	490.00	LF	@	\$	\$94	=	\$	46,060.00
36" Reinforced Concrete Pipe	152.00	LF	@	\$	\$124	=	\$	18,848.00
42" Reinforced Concrete Pipe	557.00	LF	@	\$	\$134	=	\$	74,638.00
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	@	\$	2,000	=	\$	4,000.00
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	3.00	EA	@	\$	\$3,791	=	\$	11,373.00
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	8.00	EA	@	\$	\$5,528	=	\$	44,224.00
Curb Inlet (Type R) L =10' , 5'-10' Depth	1.00	EA	@	\$	\$6,694	=	\$	6,694.00
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$	\$7,500	=	\$	
Curb Inlet (Type R) L =15' , Depth < 5 feet	1.00	EA	@	\$	\$7,923	=	\$	7,923.00
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	14.00	EA	@	\$ 4,575	=	\$ 64,050.00
Geotextile (Erosion Control)		SY	@	\$ 5	=	\$
Soil Rip Rap, d50 Size from 6" to 24"	458.00	CY	@	\$ 98	=	\$ 44,884.00
Rip Rap, Grouted		CY	@	\$ 215	=	\$
Drainage Channel Construction, Size (W x H)		LF	@	\$	=	\$
Channel Lining, Concrete	108.00	CY	@	\$ 450	=	\$ 48,600.00
Channel Lining, Rip Rap		CY	@	\$ 98	=	\$
Channel Lining, Grass		AC	@	\$ 1,287	=	\$
Channel Lining, Other Stabilization		SY	@	\$ 3	=	\$
Detention Outlet Structure	1.00	EA	@	\$ 9,000	=	\$ 9,000.00
Detention Emergency Spillway		EA	@	\$	=	\$
Permanent Water Quality Facility (Describe)	1.00	EA	@	\$ 5,000	=	\$ 5,000.00
**all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6		Section 2 Subtotal			=	\$ 1,713,631.00 **

Please describe.

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)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
Concrete Sidewalk	2,545.00	SY	@	\$ 38	=	\$ 96,710.00
Construction Traffic Control		LS	@	\$	=	\$
Aggregate Base Course	6,800.00	Tons	@	\$ 18	=	\$ 122,400.00
Asphalt Pavement	8,800.00	Tons	@	\$ 65	=	\$ 572,000.00
Raised Median, Paved		SF	@	\$ 7	=	\$
Electrical Conduit, Size =		LF	@	\$ 14	=	\$
Traffic Signal, complete intersection		EA	@	\$ 250,000	=	\$
Regulatory Sign	12.00	EA	@	\$ 100	=	\$ 1,200.00
Advisory Sign		EA	@	\$ 100	=	\$
Guide/Street Name Sign	24.00	EA	@	\$ 100	=	\$ 2,400.00
Epoxy Pavement Marking	30.00	SF	@	\$ 12	=	\$ 360.00
Thermoplastic Pavement Marking		SF	@	\$ 22	=	\$
Barricade - Type 3	2.00	EA	@	\$ 115	=	\$ 230.00
Delineator (Type I)		EA	@	\$ 21	=	\$
Curb and Gutter, Type C (Ramp)	10,649.00	LF	@	\$ 21	=	\$ 223,629.00
Curb and Gutter, Type A (6" Vertical)	3,902.00	LF	@	\$ 16	=	\$ 62,432.00
Curb and Gutter, Type B (Median)		LF	@	\$ 13	=	\$
Pedestrian Ramp	170.00	SY	@	\$ 108	=	\$ 18,360.00
Cross Pan	380.00	SY	@	\$ 53	=	\$ 20,140.00
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	=	\$
Sound Barrier Fence		LF	@	\$ 100	=	\$
			@	\$	=	\$
			@	\$	=	\$
- Storm Drain Improvements						
(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) Size 15"		LF	@	\$ 69	=	\$
18" Reinforced Concrete Pipe		LF	@	\$ 69	=	\$
24" Reinforced Concrete Pipe		LF	@	\$ 84	=	\$
Flared End Section (FES) RCP †		EA	@	\$ 2,000	=	\$
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$ 3,791	=	\$
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	\$ 5,528	=	\$
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$ 6,694	=	\$
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	@	\$ 4,575	=	\$
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	=	\$

			@	\$	=	\$
<u>- Water System Improvements</u>						
Water Main Pipe (PVC), Size 8"	8,341.00	LF	@	\$ 94	=	\$ 784,054.00
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$
Gate Valves, 8"	54.00	EA	@	\$ 1,852	=	\$ 100,008.00
Fire Hydrant Assembly w/ all valves	15.00	EA	@	\$ 6,430	=	\$ 96,450.00
Water Service Line Installation, inc. tap & valves	226.00	EA	@	\$ 1,253	=	\$ 283,178.00
Fire Cistern Installation, complete		EA	@	\$	=	\$
<u>- Sanitary Sewer Improvements</u>						
Sewer Main Pipe (PVC), Size 4" [Force Main]	1,215.00	LF	@	\$ 45	=	\$ 54,675.00
Sewer Main Pipe (PVC), Size 8"	6,888.00	LF	@	\$ 94	=	\$ 647,472.00
Sanitary Sewer Manhole, Depth < 15 feet	22.00	EA	@	\$ 4,575	=	\$ 100,650.00
Sanitary Service Line Installation, complete	226.00	EA	@	\$ 1,516	=	\$ 342,616.00
Sanitary Sewer Lift Station, complete	1.00	EA	@	\$	=	\$
<u>- Landscaping (If Applicable)</u>						
(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	\$ 3,528,964.00

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	=	<u>\$ 6,412,449.00</u>
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	2,810,405.00
	Defect Warranty Financial Assurance Total	=	<u>\$ 562,081.00</u>
	(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

(P.E. Seal)

Date

Approved by Owner / Applicant

Date

Approved by El Paso County Engineer / ECM Administrator

Date