

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)

<b>Project Information</b>		<b>Riverbend Crossing Filings No. 1 and 2</b>	<b>9/25/2018</b>
Project Name			

Include the temporary  
sediment basin

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						
<b>Section 1 Subtotal</b>						<b>\$ 1,166,854.00</b>

Section 2 - Public Improvements**	Quantity	Units		Price		
<b>- Roadway Improvements</b>						
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	=	\$	
<b>- Storm Drain Improvements</b>								
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						
					<b>Section 2 Subtotal</b>	<b>\$ 1,713,631.00 **</b>

Please describe.

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	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	=	\$
			@	\$	=	\$
			@	\$	=	\$
<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) 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	=	\$

			@	\$	=	\$
<b>- Water System Improvements</b>						
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	@	\$	=	\$
<b>- Sanitary Sewer Improvements</b>						
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	@	\$	=	\$
<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>	<b>\$ 3,528,964.00</b>

<b>Financial Assurance Totals</b>	
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$ 3,000.00
( Inc. survey to verify detention pond volumes.)	
<b>Construction Financial Assurance Total</b>	= \$ <u>6,412,449.00</u>
(Sum of all Section Totals)	
Public Improvements Total* **	\$ 2,810,405.00
<b>Defect Warranty Financial Assurance Total</b>	= \$ <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.

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Engineer \_\_\_\_\_ Date \_\_\_\_\_  
(P.E. Seal)

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Approved by Owner / Applicant \_\_\_\_\_ Date \_\_\_\_\_

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Approved by El Paso County Engineer / ECM Administrator \_\_\_\_\_ Date \_\_\_\_\_