

Update to use 2023 FAE version:

<https://planningdevelopment.elpasoco.com/planning-development-forms/#1516906638016-61792baf-6cf4>

The FAE for the project has been updated to use the 2023 version.

EPC's EDARP File Number: SF2238" (with no dashes or extras zeros or extra spaces in the file number)

2022 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 11/4/2021

PROJECT INFORMATION		
CROSSROADS MIXED USE FILING NO. 2	11/23/2022	SF-XX00X
Project Name	Date	

EPC's EDARP File # has been added.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	= \$ -			\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	= \$ -			\$ -
5,001-20,000; \$30,000 min	9,761	CY	\$ 5.00	= \$ 48,805.00			\$ 48,805.00
20,001-50,000; \$100,000 min		CY	\$ 3.50	= \$ -			\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	= \$ -			\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$ -			\$ -
* Permanent Seeding (inc. noxious weed mgmt.)		AC	\$ 886.00	= \$ -			\$ -
* Mulching		AC	\$ 831.00	= \$ -			\$ -
* Permanent Erosion Control Blanket		SY	\$ 7.00	= \$ -			\$ -
* Permanent Pond/BMP Construction		CY	\$ 22.00	= \$ -			\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		= \$ -			\$ -
Safety Fence		EA		= \$ -			\$ -
Temporary Erosion Control Blanket				= \$ -			\$ -
Vehicle Tracking Control				= \$ 2,625.00			\$ 2,625.00
Silt Fence				= \$ 5,052.00			\$ 5,052.00
Temporary Seeding		AC	\$ 695.00	= \$ -			\$ -
Temporary Mulch		AC	\$ 831.00	= \$ -			\$ -
Erosion Bales		EA	\$ 28.00	= \$ -			\$ -
Erosion Logs/Straw Wattles		LF	\$ 6.00	= \$ -			\$ -
Rock Check Dams		EA	\$ 554.00	= \$ -			\$ -
Inlet Protection	8	EA	\$ 185.00	= \$ 1,480.00			\$ 1,480.00
Sediment Basin		EA	\$ 1,952.00	= \$ -			\$ -
Concrete Washout Basin	1	EA	\$ 997.00	= \$ 997.00			\$ 997.00
[insert items not listed but part of construction plans]				= \$ -			\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 3,553.90			\$ 3,553.90
Section 1 Subtotal				= \$ 62,512.90			\$ 62,512.90

Quantities have been added for the TSBs and Mulching and Seeding for the site.

add quantities

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		= \$ -			\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 31.00	= \$ -			\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 56.00	= \$ -			\$ -
Asphalt Pavement (3" thick)		SY	\$ 16.00	= \$ -			\$ -
Asphalt Pavement (4" thick)		SY	\$ 21.00	= \$ -			\$ -
Asphalt Pavement (6" thick)		SY	\$ 32.00	= \$ -			\$ -
Asphalt Pavement (147 lbs/cf) -- " thick		Tons	\$ 97.00	= \$ -			\$ -
Raised Median, Paved		SF	\$ 9.00	= \$ -			\$ -
Regulatory Sign/Advisory Sign		EA	\$ 333.00	= \$ -			\$ -
Guide/Street Name Sign		EA		= \$ -			\$ -
Epoxy Pavement Marking		SF	\$ 15.00	= \$ -			\$ -
Thermoplastic Pavement Marking		SF	\$ 26.00	= \$ -			\$ -
Barricade - Type 3		EA	\$ 221.00	= \$ -			\$ -
Delineator - Type I		EA	\$ 27.00	= \$ -			\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 32.00	= \$ -			\$ -
Curb and Gutter, Type B (Median)		LF	\$ 32.00	= \$ -			\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 32.00	= \$ -			\$ -
4" Sidewalk (common areas only)		SY	\$ 53.00	= \$ -			\$ -
5" Sidewalk		SY	\$ 66.00	= \$ -			\$ -
6" Sidewalk		SY	\$ 80.00	= \$ -			\$ -
8" Sidewalk		SY	\$ 106.00	= \$ -			\$ -
Pedestrian Ramp		EA	\$ 1,273.00	= \$ -			\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 67.00	= \$ -			\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 102.00	= \$ -			\$ -
Curb Chase		EA	\$ 1,639.00	= \$ -			\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 55.00	= \$ -			\$ -
Guardrail Type 7 (Concrete)		LF	\$ 80.00	= \$ -			\$ -
Guardrail End Anchorage		EA	\$ 2,324.00	= \$ -			\$ -
Guardrail Impact Attenuator		EA	\$ 4,172.00	= \$ -			\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 87.00	= \$ -			\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 89.00	= \$ -			\$ -
Electrical Conduit, Size =		LF	\$ 18.00	= \$ -			\$ -
Traffic Signal, complete intersection		EA	\$ 470,666	= \$ -			\$ -

PROJECT INFORMATION							
CROSSROADS MIXED USE FILING NO. 2		11/23/2022		SF-XX-XXX			
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 70.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 83.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 104.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 128.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 171.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 209.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 272.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 319.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 368.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 421.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 90.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 103.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 131.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 157.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 180.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 190.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 278.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 300.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 364.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 428.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 492.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 588.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		EA		=	\$ -		\$ -
End Treatment- Headwall		EA		=	\$ -		\$ -
End Treatment- Wingwall		EA		=	\$ -		\$ -
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,981.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 9,242.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 8,447.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 8,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 10,898.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 10,984.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 11,775.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,876.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 11,706.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 12,920.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,876.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 7,082.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 7.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 89.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 105.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 631.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 124.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,626.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
Section 2 Subtotal				=	\$ -		\$ -

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

PROJECT INFORMATION			
CROSSROADS MIXED USE FILING NO. 2		11/23/2022	
Project Name		Date	
Description	Quantity	Units	Unit Cost
SECTION 3 - C ROADWAY IMPROVEMENTS (Private or District and NOT Maintained)			
Aggregate	3,575	CY	\$ 56.00
Asphalt	3,575	SY	\$ 21.00
Guide/S	3	EA	\$ -
Barricad	1	EA	\$ 221.00
Curb and	1,559	LF	\$ 32.00
Cross Pan, collector (9" thick, 8' wide to include return)	2	LF	\$ 102.00
Pedestrian Ramp	4	EA	\$ 1,273.00
STORM DRAIN IMPROVEMENTS			
(Exception: Permanent Pond/8 MP shall be itemized under Section 1)			
24" Reinforced Concrete Pipe	15	LF	\$ 83.00
30" Reinforced Concrete Pipe	538	LF	\$ 104.00
36" Reinforced Concrete Pipe	12	LF	\$ 128.00
Flared End Section (FES) RCP Size =(unit cost = 6x pipe u	2	EA	\$ 1,122.00
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'	2	EA	\$ 8,706.00
Storm Sewer Manhole, Box Base	4	EA	\$ 12,876.00
Storm Sewer Manhole, Slab Base	1	EA	\$ 7,082.00
WATER SYSTEM IMPROVEMENTS			
Water Main Pipe (PVC), Size 8"	795	LF	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ -
Gate Valves, 8"	2	EA	\$ 211.00
Fire Hydrant Assembly, w/ all valves	2	EA	\$ 7,306.00
Water Service Line Installation, inc. tap and valves	1	EA	\$ 1,466.00
Fire Cistern Installation, complete	1	EA	\$ -
[insert items not listed but part of construction plans]			
SANITARY SEWER IMPROVEMENTS			
Sewer Main Pipe (PVC), Size 8"	712	LF	\$ 71.00
Sanitary Sewer Manhole, Depth < 15 feet	4	EA	\$ 4,858.00
Sanitary Service Line Installation, complete	1	EA	\$ 1,553.00
Sanitary Sewer Lift Station, complete		EA	\$ -
[insert items not listed but part of construction plans]			
LANDSCAPING IMPROVEMENTS			
(For subdivision specific condition of approval, or PUD)			
		EA	\$ -
		EA	\$ -
		EA	\$ -
		EA	\$ -
		EA	\$ -
Section 3 Subtotal			

Revise to include all signs proposed on CDs.

The FAE has been revised to include all signs proposed on CDs.

The FAE has been updated to include the entire linear footage of the proposed cross pans.

The FAE has been updated to include all 6 ped ramp

Update to include all 6 ped ramps.

Update amounts to match CDs.

Amounts circled in red have been updated to match the CDs.

Amounts not circled in red were already matching the CDs.

Update to include entire linear feet of crossspans proposed.

Section 3 Subtotal

615,830.32

615,830.32

Section 3 is not subject to defect warranty requirements

Revise to include all signs proposed on CDs.

The FAE has been revised to include all signs proposed on CDs.

Update to include entire linear feet of crossspans proposed.

The FAE has been updated to include the entire linear footage of the proposed cross pans.

The FAE has been updated to include all 6 ped ramps.

Update to include all 6 ped ramps.

Update amounts to match CDs.

Amounts circled in red have been updated to match the CDs.
Amounts not circled in red were already matching the CDs.

PROJECT INFORMATION		
CROSSROADS MIXED USE FILING NO. 2	11/23/2022	SF-XX-XXX
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction) % Complete	Remaining
AS-BUILT PLANS (Public Improvements Inc. Permanent WQCV BMPs)		LS		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 678,343.22
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 678,343.22
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 9,761.00
(20% of all items identified as (*). 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 Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Engineer (P.E. Seal Required)	
Approved by Owner / Applicant	Date 11-28-22
Approved by El Paso County Engineer / ECM Administrator	Date

