

Please update to 2023 form.



Please see and address all red-lines comments on FAE submitted under VR223.

Submit one FAE under the VR223 that includes all elements. A separate FAE for the SDP PPR2230 is not needed

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

Updated: 11/4/2021

PROJECT INFORMATION		
Circle K at Highway 24 & Meridian Road	11/16/2022	PPR2230
Project Name:	Date:	PCD File No.

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	16,601	CY	\$ 5.00	=	\$ 83,005.00		\$ 83,005.00	
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 mgmnt.)		AC	\$ 886.00	=	\$ -		\$ -	
Mulching			\$ -	=	\$ -		\$ -	
Permanent Erosion Control Blanket		SY	\$ 7.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 22.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 86,000.00	=	\$ 86,000.00		\$ 86,000.00	
		EA		=	\$ -		\$ -	
Safety Fence	2,090	LF	\$ 3.00	=	\$ 6,270.00		\$ 6,270.00	
Temporary Erosion Control Blanket	2,365	SY	\$ 3.00	=	\$ 7,095.00		\$ 7,095.00	
Vehicle Tracking Control	2	EA	\$ 2,625.00	=	\$ 5,250.00		\$ 5,250.00	
Silt Fence	1,880	LF	\$ 3.00	=	\$ 5,640.00		\$ 5,640.00	
Temporary Seeding	8	AC	\$ 695.00	=	\$ 5,414.05		\$ 5,414.05	
Temporary Mulch		AC	\$ 831.00	=	\$ -		\$ -	
Erosion Bales		EA	\$ 28.00	=	\$ -		\$ -	
Erosion Logs/Straw Wattles	1,250	LF	\$ 6.00	=	\$ 7,500.00		\$ 7,500.00	
Rock Check Dams	4	EA	\$ 554.00	=	\$ 2,216.00		\$ 2,216.00	
Inlet Protection	5	EA	\$ 185.00	=	\$ 925.00		\$ 925.00	
Sediment Basin	1	EA	\$ 1,952.00	=	\$ 1,952.00		\$ 1,952.00	
Concrete Washout Basin	1	EA	\$ 997.00	=	\$ 997.00		\$ 997.00	
Rock Socks	14	EA	\$ 500.00	=	\$ 7,000.00		\$ 7,000.00	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)					=	\$ 15,396.17		\$ 15,396.17
Section 1 Subtotal					=	\$ 234,660.22		\$ 234,660.22

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS							
Construction Traffic Control	1	LS	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
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)	660	LF	\$ 32.00	=	\$ 21,120.00		\$ 21,120.00
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	1,800	SY	\$ 66.00	=	\$ 118,800.00		\$ 118,800.00
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

Circle K at Highway 24 & Meridian Road

11/16/2022

VR-22-03

Project Name:

Date:

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS							
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
15" Reinforced Concrete Pipe		LF	\$ 58.00	=	\$ -		\$ -
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	=	\$ -		\$ -
Storm Main Pipe (PVC), Size 6"		LF	\$ 62.00	=	\$ -		\$ -
Storm Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$ -		\$ -
Flared End Section (FES) RCP Size = 15" <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 400.00	=	\$ -		\$ -
Flared End Section (FES) CSP Size = 18" <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 420.00	=	\$ -		\$ -
Flared End Section (FES) CSP Size = 24" <i>(unit cost = 6x pipe unit cost)</i>		EA	\$ 498.00	=	\$ -		\$ -
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				=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
				Section 2 Subtotal	= \$ 149,920.00		\$ 149,920.00

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

Account for sidewalk along private road south side and along entrances per comments on CDs

PROJECT INFORMATION		
Circle K at Highway 24 & Meridian Road	11/16/2022	VR-22-03
Project Name:	Date:	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
Aggregate Base Course (135 lbs/cf)	1,600	CY	\$ 56.00	\$ 89,600.00		\$ 89,600.00
Asphalt Pavement (4" thick)	8,047	SY	\$ 21.00	\$ 168,987.00		\$ 168,987.00
Curb and Gutter, Type A (6" Vertical)	3,215	LF	\$ 32.00	\$ 102,880.00		\$ 102,880.00
Regulatory Sign/Advisory Sign	6	EA	\$ 333.00	\$ 1,998.00		\$ 1,998.00
4" Sidewalk (Common areas only)	640	SY	\$ 53.00	\$ 33,920.00		\$ 33,920.00
5" Sidewalk		SY	\$ 66.00	\$ -		\$ -*
Pedestrian Ramp	8	EA	\$ 1,273.00	\$ 10,184.00		\$ 10,184.00
Cross Pan, local (8" thick, 6' wide to include return)	376	LF	\$ 67.00	\$ 25,192.00		\$ 25,192.00
Cross Pan, collector (9" thick, 8' wide to include return)	210	LF	\$ 102.00	\$ 21,420.00		\$ 21,420.00*
Curb Chase	1	EA	\$ 1,639.00	\$ 1,639.00		\$ 1,639.00
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
15" Reinforced Concrete Pipe	302	LF	\$ 58.00	\$ 17,516.00		\$ 17,516.00
Concrete Box Culvert (M Standard), Size (23"x14")	97	LF	\$ 85.00	\$ 8,245.00		\$ 8,245.00*
18" Reinforced Concrete Pipe	218	LF	\$ 70.00	\$ 15,260.00		\$ 15,260.00
24" Reinforced Concrete Pipe	85	LF	\$ 83.00	\$ 7,055.00		\$ 7,055.00
Storm Main Pipe (PVC), Size 6"	158	LF	\$ 62.00	\$ 9,821.42		\$ 9,821.42
Storm Main Pipe (PVC), Size 8"	219	LF	\$ 71.00	\$ 15,549.00		\$ 15,549.00
Flared End Section (FES) RCP Size = 15" <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 400.00	\$ 800.00		\$ 800.00
Flared End Section (FES) CSP Size = 18" <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 420.00	\$ 420.00		\$ 420.00
Flared End Section (FES) CSP Size = 24" <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 498.00	\$ 996.00		\$ 996.00
Flared End Section (FES) CSP Size = 23"x14" <i>(unit cost = 6x pipe unit cost)</i>	2	EA	\$ 510.00	\$ 1,020.00		\$ 1,020.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	1	EA	\$ 7,981.00	\$ 7,981.00		\$ 7,981.00
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'	1	EA	\$ 10,898.00	\$ 10,898.00		\$ 10,898.00
Storm Sewer Manhole, Slab Base	1	EA	\$ 7,082.00	\$ 7,082.00		\$ 7,082.00
Denver No. 16 Valley Grate	6	EA	\$ 4,000.00	\$ 24,000.00		\$ 24,000.00
Rip Rap, d50 size from 6" to 24"	10	Tons	\$ 89.00	\$ 890.00		\$ 890.00
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"	509	LF	\$ 71.00	\$ 36,139.00		\$ 36,139.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	\$ -		\$ -
Gate Valves, 8"	8	EA	\$ 2,058.00	\$ 16,464.00		\$ 16,464.00
Fire Hydrant Assembly, w/ all valves	2	EA	\$ 7,306.00	\$ 14,612.00		\$ 14,612.00
Water Service Line Installation, inc. tap and valves	3	EA	\$ 1,466.00	\$ 4,398.00		\$ 4,398.00
Fire Cistern Installation, complete		EA		\$ -		\$ -
8"x6" Reducer	2	EA	\$ 1,500.00	\$ 3,000.00		\$ 3,000.00
<i>[insert items not listed but part of construction plans]</i>				\$ -		\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"	185	LF	\$ 71.00	\$ 13,135.00		\$ 13,135.00
Sanitary Sewer Manhole, Depth < 15 feet	3	EA	\$ 4,858.00	\$ 14,574.00		\$ 14,574.00
Sanitary Service Line Installation, complete	3	EA	\$ 1,553.00	\$ 4,659.00		\$ 4,659.00
Sanitary Sewer Lift Station, complete		EA		\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		\$ -		\$ -
		EA		\$ -		\$ -
		EA		\$ -		\$ -
		EA		\$ -		\$ -
		EA		\$ -		\$ -
Section 3 Subtotal				= \$ 690,334.42		\$ 690,334.42

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

Circle K at Highway 24 & Meridian Road	11/16/2022	VR-22-03
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	\$ 15,000.00	=	\$ 15,000.00	\$	15,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 7,000.00	=	\$ 7,000.00	\$	7,000.00
Total Construction Financial Assurance						\$	1,096,914.64
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	1,096,914.64
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	63,785.00
(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

 Approved by El Paso County Engineer / ECM Administrator

 Date