

Update to 2023 version.

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

Updated: 11/4/2021

PROJECT INFORMATION		
D49 Transportation Center	12/16/2022	PPR - 22-036
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		CY	\$ 5.00	= \$ -		\$ -
20,001-50,000; \$100,000 min	30,875	CY	\$ 3.50	= \$ 108,062		\$ 108,062
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		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		LF	\$ 3.00	= \$ -		\$ -
Vehicle Tracking Control	3	EA	\$ 2,625.00	= \$ 7,875		\$ 7,875
Silt Fence	1,028	LF	\$ 3.00	= \$ 3,084		\$ 3,084
Temporary Seeding	25	AC	\$ 695.00	= \$ 17,375		\$ 17,375
Temporary Mulch	25	AC	\$ 831.00	= \$ 20,775		\$ 20,775
Erosion Bales		EA	\$ 28.00	= \$ -		\$ -
Erosion Logs/Straw Wattles	1,734	LF	\$ 6.00	= \$ 10,404		\$ 10,404
Rock Check Dams	4	EA	\$ 554.00	= \$ 2,216		\$ 2,216
Inlet Protection		EA	\$ 185.00	= \$ -		\$ -
Sediment Basin	1	EA	\$ 1,952.00	= \$ 1,952		\$ 1,952
Concrete Washout Basin		EA	\$ 997.00	= \$ -		\$ -
[insert items not listed but part of construction plans]				= \$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				= \$ 22,288		\$ 22,288
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)						
Section 1 Subtotal				= \$ 194,031		\$ 194,031.00

provide quantity for the permanent pond



Unresolved. See comments on the CDs. Sidewalk, ramp and C&G needs to be installed at the north side of the intersection. FAE will be reviewed once plans are updated.

SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control		LS		= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)				= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)				= \$ -		\$ -
Asphalt Pavement (3" thick)				= \$ -		\$ -
Asphalt Pavement (4" thick)				= \$ -		\$ -
Asphalt Pavement (6" thick)				= \$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick				= \$ -		\$ -
Raised Median, Paved				= \$ -		\$ -
Regulatory Sign/Advisory Sign				= \$ -		\$ -
Guide/Street Name Sign				= \$ -		\$ -
Epoxy Pavement Marking				= \$ -		\$ -
Thermoplastic Pavement Marking				= \$ -		\$ -
Barricade - Type 3				= \$ -		\$ -
Delineator - Type I				= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 32.00	= \$ -		\$ -
Curb and Gutter, Type B (Median)				= \$ -		\$ -
Curb and Gutter, Type C (Ramp)				= \$ -		\$ -
4" Sidewalk (common areas only)				= \$ -		\$ -
5" Sidewalk				= \$ -		\$ -
6" Sidewalk				= \$ -		\$ -
8" Sidewalk				= \$ -		\$ -
Pedestrian Ramp				= \$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)				= \$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)				= \$ -		\$ -
Curb Chase				= \$ -		\$ -
Guardrail Type 3 (W-Beam)				= \$ -		\$ -
Guardrail Type 7 (Concrete)				= \$ -		\$ -
Guardrail End Anchorage				= \$ -		\$ -
Guardrail Impact Attenuator				= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)				= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 89.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 18.00	= \$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 470,666	= \$ -		\$ -

PROJECT INFORMATION

D49 Transportation Center	12/16/2022	PPR-22-036
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		=	\$	-		\$ -	
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 =		EA		=	\$	-		\$ -	
<small>(unit cost = 6x pipe unit cost)</small>									
Flared End Section (FES) CSP Size =		EA		=	\$	-		\$ -	
<small>(unit cost = 6x pipe unit cost)</small>									
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>									
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)									
Section 2 Subtotal						=	\$	-	\$

PROJECT INFORMATION

D49 Transportation Center	12/16/2022	PPR-22-036
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							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	=	\$ -		\$ -
Gate Valves, 8"		EA	\$ 2,058.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 7,306.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,466.00	=	\$ -		\$ -
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"		LF	\$ 71.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,858.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,553.00	=	\$ -		\$ -
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					=	\$ -	\$ -

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

PROJECT INFORMATION

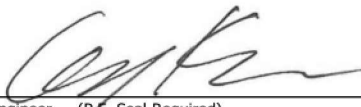
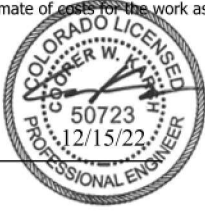
Project Name _____ Date _____ PCD File No. _____

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					\$ 194,031	-
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$ 194,031.00	-
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$ 21,612.50	-
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Provide quantities for the pond certification and as-built

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)


12/16/22 12:39 MST

Approved by Owner / Applicant _____

Date _____

Approved by El Paso County Engineer / ECM Administrator _____

APPROVED
Engineering Department
 01/04/2023 1:02:36 PM
asdnijkamp
 Date _____
 EPC Planning & Community Development Department