

please update to 2025 forms

ATE: ADDRESSED.

EPC STORMWATER REVIEW COMMENTS IN ORANGE BOXES WITH BLACK TEXT

2024 Financial Assurance Estimate (with pre-plat construction)

Updated: 10/2023

PROJECT INFORMATION		
SCHMIDT DISTRICT INFRASTRUCTURE	12/23/2024	
Project Name	Date	PCD File No. CDR2413

Description	Quantity	Units	Unit Cost		Total	(w/ % Comp)
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>						
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		CY	\$ 3.50	=	\$ -	
50,001-200,000; \$175,000 min	50000	CY	\$ 2.50	=	\$ 175,000.00	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -	
Permanent Erosion Control Blanket		SY	\$ 9.00	=	\$ -	
Permanent Seeding (inc. noxious weed mgmt.) & Mulching		AC	\$ 2,018.00	=	\$ -	
Permanent Pond/BMP (provide engineer's estimate)	1.	EA	\$ 25,000.00	=	\$ 25,000.00	
Concrete Washout Basin	1.	EA	\$ 1,172.00	=	\$ 1,172.00	
	6.	EA	\$ 217.00	=	\$ 1,302.00	
		EA	\$ 651.00	=	\$ -	
		LF	\$ 3.00	=	\$ -	
		EA	\$ 2,294.00	=	\$ -	
		EA	\$ 538.00	=	\$ -	
Silt Fence	4000.	LF	\$ 3.00	=	\$ 12,000.00	
Slope Drain		LF	\$ 43.00	=	\$ -	
Straw Bale		EA	\$ 33.00	=	\$ -	
Straw Wattle/Rock Sock	16.	LF	\$ 8.00	=	\$ 128.00	
Surface Roughening		AC	\$ 269.00	=	\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -	
Temporary Seeding and Mulching	30.	AC	\$ 1,793.00	=	\$ 53,790.00	
Vehicle Tracking Control	1.	EA	\$ 3,085.00	=	\$ 3,085.00	
[insert items not listed but part of construction plans]				=	\$ -	
<b>MAINTENANCE (35% of Construction BMPs)</b>					\$ 24,606.75	\$ 24,606.75
<b>Section 1 Subtotal</b>					<b>\$ 296,083.75</b>	<b>\$ 296,083.75</b>

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

<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>						
<b>ROADWAY IMPROVEMENTS</b>						
Construction Traffic Control	1.	LS	\$ 5,000.00	=	\$ 5,000.00	\$ 5,000.00
Aggregate Base Course (135 lbs/cf)	5000.	Tons	\$ 37.00	=	\$ 185,000.00	\$ 185,000.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 66.00	=	\$ -	\$ -
Asphalt Pavement (3" thick)		SY	\$ 18.00	=	\$ -	\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	=	\$ -	\$ -
Asphalt Pavement (6" thick)	1700.	SY	\$ 38.00	=	\$ 64,600.00	\$ 64,600.00
Asphalt Pavement (147 lbs/cf) 4" thick		Tons	\$ 114.00	=	\$ -	\$ -
Raised Median, Paved		SF	\$ 11.00	=	\$ -	\$ -
Regulatory Sign/Advisory Sign		EA	\$ 392.00	=	\$ -	\$ -
Guide/Street Name Sign	4.	EA	\$ 150.00	=	\$ 600.00	\$ 600.00
Epoxy Pavement Marking		SF	\$ 17.00	=	\$ -	\$ -
Thermoplastic Pavement Marking		SF	\$ 30.00	=	\$ -	\$ -
Barricade - Type 3	2.	EA	\$ 259.00	=	\$ 518.00	\$ 518.00
Delineator - Type I		EA	\$ 31.00	=	\$ -	\$ -
Curb and Gutter, Type A (6" Vertical)	5500.	LF	\$ 38.00	=	\$ 209,000.00	\$ 209,000.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	=	\$ -	\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 38.00	=	\$ -	\$ -
4" Sidewalk (common areas only)		SY	\$ 62.00	=	\$ -	\$ -
5" Sidewalk	1900.	SY	\$ 77.00	=	\$ 146,300.00	\$ 146,300.00
6" Sidewalk		SY	\$ 94.00	=	\$ -	\$ -
8" Sidewalk		SY	\$ 125.00	=	\$ -	\$ -
Pedestrian Ramp	10.	EA	\$ 1,496.00	=	\$ 14,960.00	\$ 14,960.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 79.00	=	\$ -	\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 119.00	=	\$ -	\$ -
Curb Opening with Drainage Chase		EA	\$ 1,926.00	=	\$ -	\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 65.00	=	\$ -	\$ -
Guardrail Type 7 (Concrete)		LF	\$ 94.00	=	\$ -	\$ -
Guardrail End Anchorage		EA	\$ 2,731.00	=	\$ -	\$ -
Guardrail Impact Attenuator		EA	\$ 4,902.00	=	\$ -	\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 102.00	=	\$ -	\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 104.00	=	\$ -	\$ -
Electrical Conduit, Size =		LF	\$ 22.00	=	\$ -	\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -	\$ -

this value appears to be low, please check

PROJECT INFORMATION		
SCHMIDT DISTRICT INFRASTRUCTURE	12/23/2024	PCD File No.
Project Name	Date	

include 36" RCP per CDs

ATE: ADDRESSED.

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	Quantity	Units	Unit Cost			with Pre-Plat Construction)	
						Complete	Remaining
Drainage Channel Construction, Size ( W x H )	1750.	LF	\$ 10.00	=	\$		\$ 17,500.00
<i>[insert items not listed but part of construction plans]</i>				=	\$		\$ -
<b>ITEMS</b>							
Standard, Size ( W x H )		LF		=	\$		\$ -
36" Reinforced Concrete Pipe	1042.	LF	\$ 82.00	=	\$	85,444.00	\$ 85,444.00
30" Reinforced Concrete Pipe	101.	LF	\$ 98.00	=	\$	9,898.00	\$ 9,898.00
42" Reinforced Concrete Pipe		LF	\$ 123.00	=	\$	-	\$ -
48" Reinforced Concrete Pipe		LF	\$ 151.00	=	\$	-	\$ -
54" Reinforced Concrete Pipe		LF	\$ 201.00	=	\$	-	\$ -
60" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$	-	\$ -
66" Reinforced Concrete Pipe		LF	\$ 320.00	=	\$	-	\$ -
72" Reinforced Concrete Pipe		LF	\$ 374.00	=	\$	-	\$ -
18" Corrugated Steel Pipe		LF	\$ 433.00	=	\$	-	\$ -
24" Corrugated Steel Pipe		LF	\$ 495.00	=	\$	-	\$ -
30" Corrugated Steel Pipe		LF	\$ 105.00	=	\$	-	\$ -
36" Corrugated Steel Pipe		LF	\$ 121.00	=	\$	-	\$ -
42" Corrugated Steel Pipe		LF	\$ 154.00	=	\$	-	\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$	-	\$ -
54" Corrugated Steel Pipe		LF	\$ 212.00	=	\$	-	\$ -
60" Corrugated Steel Pipe		LF	\$ 223.00	=	\$	-	\$ -
66" Corrugated Steel Pipe		LF	\$ 223.00	=	\$	-	\$ -
72" Corrugated Steel Pipe		LF	\$ 327.00	=	\$	-	\$ -
78" Corrugated Steel Pipe		LF	\$ 353.00	=	\$	-	\$ -
84" Corrugated Steel Pipe		LF	\$ 427.00	=	\$	-	\$ -
Flared End Section (FES) RCP Size =		EA		=	\$	-	\$ -
<i>(unit cost = 6x pipe unit cost)</i>				=	\$	-	\$ -
Flared End Section (FES) CSP Size =		EA		=	\$	-	\$ -
<i>(unit cost = 6x pipe unit cost)</i>				=	\$	-	\$ -
End Treatment- Headwall		EA		=	\$	-	\$ -
End Treatment- Wingwall		EA		=	\$	-	\$ -
End Treatment - Cutoff Wall		EA		=	\$	-	\$ -
Curb Inlet (Type R) L=5', Depth < 5'	1.	EA	\$ 7,212.00	=	\$	7,212.00	\$ 7,212.00
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	2.	EA	\$ 9,377.00	=	\$	18,754.00	\$ 18,754.00
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 10,859.00	=	\$	-	\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 9,925.00	=	\$	-	\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 10,230.00	=	\$	-	\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$	-	\$ -
Curb Inlet (Type R) L=15', Depth < 5'	1.	EA	\$ 12,907.00	=	\$	12,907.00	\$ 12,907.00
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'	1.	EA	\$ 13,835.00	=	\$	13,835.00	\$ 13,835.00
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 15,130.00	=	\$	-	\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 13,755.00	=	\$	-	\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 15,181.00	=	\$	-	\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 6,037.00	=	\$	-	\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 7,458.00	=	\$	-	\$ -
Storm Sewer Manhole, Box Base		EA	\$ 15,130.00	=	\$	-	\$ -
Storm Sewer Manhole, Slab Base	5.	EA	\$ 8,322.00	=	\$	41,610.00	\$ 41,610.00
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$	-	\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 104.00	=	\$	-	\$ -
Rip Rap, Grouted		Tons	\$ 124.00	=	\$	-	\$ -
Drainage Channel Construction, Size ( W x H )		LF		=	\$	-	\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$	-	\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$	-	\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$	-	\$ -
Drainage Channel Lining, Other Stabilization				=	\$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-	\$ -
<b>Section 2 Subtotal</b>				<b>=</b>	<b>\$</b>	<b>833,138.00</b>	<b>\$ 833,138.00</b>

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

**PROJECT INFORMATION**

**SCHMIDT DISTRICT INFRASTRUCTURE**

**12/23/2024**

**Project Name**

**Date**

**PCD File No.**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>								
<b>ROADWAY IMPROVEMENTS</b>								
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)								
24" Reinforced Concrete Pipe	1147.	LF	\$ 98.00	=	\$ 112,406.00		\$ 112,406.00	
Storm Sewer Manhole, Slab Base	5.	EA	\$ 8,322.00	=	\$ 41,610.00		\$ 41,610.00	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
<b>WATER SYSTEM IMPROVEMENTS</b>								
Water Main Pipe (PVC), Size 12"	640.	LF	\$ 84.00	=	\$ 53,760.00		\$ 53,760.00	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 98.00	=	\$ -		\$ -	
Gate Valves, 12"	3.	EA	\$ 2,418.00	=	\$ 7,254.00		\$ 7,254.00	
Fire Hydrant Assembly, w/ all valves		EA	\$ 8,584.00	=	\$ -		\$ -	
Water Service Line Installation, inc. tap and valves		EA	\$ 1,723.00	=	\$ -		\$ -	
Fire Cistern Installation, complete		EA		=	\$ -		\$ -	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<b>SANITARY SEWER IMPROVEMENTS</b>								
Sewer Main Pipe (PVC), Size 8"	230.	LF	\$ 84.00	=	\$ 19,320.00		\$ 19,320.00	
Sanitary Sewer Manhole, Depth < 15 feet	1.	EA	\$ 5,708.00	=	\$ 5,708.00		\$ 5,708.00	
Sanitary Service Line Installation, complete		EA	\$ 1,825.00	=	\$ -		\$ -	
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)								
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 240,058.00</b>		<b>\$ 240,058.00</b>

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

**PROJECT INFORMATION**

<b>SCHMIDT DISTRICT INFRASTRUCTURE</b>	<b>12/23/2024</b>	
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)				\$		\$
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		\$	-	\$
<b>Total Construction Financial Assurance</b>						<b>\$ 1,369,279.75</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
<b>Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$ 1,369,279.75</b>
Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
<b>Total Defect Warranty Financial Assurance</b>						<b>\$ 206,627.60</b>
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Provide unit cost

ATE:  
ADDRESSED.

**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