2022 Financial Assurance Estimate Form

(with pre-plat construction)

(with pre-plat construction)		Updated: 11/4/2021
	PROJECT INFORMATION	
STERLING RANCH ROAD CROSSING OF SAND CREEK	11/29/2022	CDR-226
Project Name	Date	PCD File No.

				Unit				,	e-rial (Construction)
cription	Quantity	Units		Cost			Total	% Complete		Remaining
CTION 1 - GRADING AND EROSION CONTRO	L (Construction	and Perma	nent BN	MPs)						
Earthwork			1.							
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	6,000	CY	\$	5.00	=	\$	30,000.00		\$	30,000.0
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.)	4.7	AC	\$	886.00	=	\$	4,164.20		\$	4,164.2
Mulching	4.7	AC	\$	831.00	=	\$	3,905.70		\$	3,905.
Permanent Erosion Control Blanket	6,600	SY	\$	7.00	=	\$	46,200.00		\$	46,200.
Permanent Pond/BMP Construction		CY	\$	22.00	=	\$	-		\$	-
Permanent Pond/BMP (provide engineer's estimate)		EA			=	\$	-		\$	-
, ,		EA			=	\$	-		\$	_
afety Fence		LF	\$	3.00	=	\$	-		\$	
emporary Erosion Control Blanket		SY	\$	3.00	=	\$			\$	
'ehicle Tracking Control	1	EA		2,625.00		\$	2,625.00		\$	2,625
silt Fence	1	LF	\$	3.00			2,023.00		\$	2,023.
						\$				
emporary Seeding		AC	\$	695.00	=	\$	-		\$	
emporary Mulch		AC	\$	831.00	=	\$	-		\$	
rosion Bales		EA	\$	28.00	=	\$	-		\$	
rosion Logs/Straw Wattles		LF	\$	6.00	=	\$	-		\$	
lock Check Dams	2	EA	\$	554.00	=	\$	1,108.00		\$	1,108
let Protection		EA	\$	185.00	=	\$	-		\$	
ediment Basin	1	EA	\$ 1	1,952.00	=	\$	1,952.00		\$	1,952
concrete Washout Basin	1	EA	\$	997.00	=	\$	997.00		\$	997
					=	\$	-		\$	
nsert items not listed but part of construction plans]					=	\$	-		\$	
	INTENANCE (35%	∕₀ of Consti	ruction	BMPs)	=	\$	2,338.70		\$	2,338
	iziti EitAitGE (55 /	0 0. 0050.	uccioi.	55,		Ψ	2,330.70		Ψ	2,330
phiest to defect warranty financial assurance. A minimum of 20% shall										
tained until final acceptance (MAXIMUM OF 80% COMPLETE WED)		Section	on 1 Su	ubtotal	=	\$	93,290.60		\$	93,290.6
ubject to defect warranty financial assurance. A minimum of 20% shall tained until final acceptance (MAXIMUM OF 80% COMPLETE WED) CTION 2 - PUBLIC IMPROVEMENTS * ADWAY IMPROVEMENTS			on 1 St	ubtotal	=	\$	93,290.60			93,290.6
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ained until final acceptance (MAXIMUM OF 80% COMPLETE WEED) CTION 2 - PUBLIC IMPROVEMENTS construction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) ggregate Base Course (145 lbs/cf) ggregate Base Course (145 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf)" thick aised Median, Paved egulatory Sign/Advisory Sign uide/Street Name Sign poxy Pavement Marking nermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median) urb and Gutter, Type C (Ramp) ' Sidewalk (common areas only) ' Sidewalk ' Sidewalk ' Sidewalk ' Sidewalk ' Sidewalk edestrian Ramp ross Pan, local (8" thick, 6' wide to include return) urb Chase uardrail Type 3 (W-Beam) uardrail Type 7 (Concrete)		LS Tons CY SY SY Tons SF EA EA LF LF SY SY SY LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	31.00 56.00 16.00 21.00 32.00 97.00 9.00 333.00 15.00 26.00 221.00 27.00 32.00 32.00 32.00 66.00 80.00 106.00 1,273.00 67.00 102.00 102.00 103.00 67.00 103.00 80.00 80.00		* * * * * * * * * * * * * * * * * * * *	- - - - - - - - - - - - - - - - - - -		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	23,650
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Lained until final acceptance (MAXIMUM OF 80% COMPLETE WEED) CTTON 2 - PUBLIC IMPROVEMENTS Onstruction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf) aised Median, Paved egulatory Sign/Advisory Sign uide/Street Name Sign poxy Pavement Marking hermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median) urb and Gutter, Type C (Ramp) ' Sidewalk ' Sidewalk ' Sidewalk ' Sidewalk ' Sidewalk edestrian Ramp ross Pan, local (6" thick, 6' wide to include return) ross Pan, collector (9" thick, 8' wide to include return) urb Chase uardrail Type 3 (W-Beam) uardrail Type 7 (Concrete) uardrail End Anchorage		LS Tons CY SY SY Tons SF EA EA LF LF SY SY SY LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	31.00 56.00 16.00 21.00 32.00 97.00 9.00 333.00 15.00 26.00 221.00 27.00 32.00 32.00 32.00 66.00 80.00 106.00 1,273.00 67.00 102.00 102.00 103.00 67.00 103.00 80.00 80.00		* * * * * * * * * * * * * * * * * * * *	- - - - - - - - - - - - - - - - - - -		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	23,650
tained until final acceptance (MAXIMUM OF 80% COMPLETE WEED) CTTON 2 - PUBLIC IMPROVEMENTS construction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf)" thick aised Median, Paved egulatory Sign/Advisory Sign unide/Street Name Sign poxy Pavement Marking hermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median) urb and Gutter, Type C (Ramp) "Sidewalk (common areas only) "Sidewalk		LS Tons CY SY SY Tons SF EA EA LF LF SY SY SY LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	31.00 56.00 16.00 21.00 32.00 97.00 9.00 333.00 15.00 26.00 221.00 27.00 32.00 32.00 32.00 53.00 66.00 80.00 106.00 1,273.00 67.00 102.00 55.00 80.00 2,324.00		* * * * * * * * * * * * * * * * * * * *	- - - - - - - - - - - - - - - - - - -		* * * * * * * * * * * * * * * * * * * *	,
Lained until final acceptance (MAXIMUM OF 80% COMPLETE WEED) CTTON 2 - PUBLIC IMPROVEMENTS Onstruction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (147 lbs/cf)" thick aised Median, Paved egulatory Sign/Advisory Sign uide/Street Name Sign poxy Pavement Marking hermoplastic Pavement Marking arricade - Type 3 elineator - Type I urb and Gutter, Type A (6" Vertical) urb and Gutter, Type B (Median) urb and Gutter, Type C (Ramp) 'Sidewalk (common areas only) 'Sidewalk 'Sidewalk 'Sidewalk 'Sidewalk edestrian Ramp ross Pan, local (8" thick, 6' wide to include return) ross Pan, collector (9" thick, 8' wide to include return) urb Chase uardrail Type 3 (W-Beam) uardrail Type 7 (Concrete) uardrail Impact Attenuator ound Barrier Fence (CMU block, 6' high)		LS Tons CY SY SY Tons SF EA EA LF LF LF SY SY SY LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	31.00 56.00 16.00 21.00 32.00 97.00 3333.00 15.00 26.00 221.00 27.00 32.00 32.00 32.00 53.00 66.00 80.00 106.00 102.00 1,273.00 67.00 102.00 1,399.00 55.00 80.00 2324.00 87.00		***********	- - - - - - - - - - - - - - - - - - -		* * * * * * * * * * * * * * * * * * * *	23,650
tained until final acceptance (MAXIMUM OF 80% COMPLETE WENTED IN THE PROVEMENTS * ADWAY IMPROVEMENTS construction Traffic Control ggregate Base Course (135 lbs/cf) ggregate Base Course (135 lbs/cf) sphalt Pavement (3" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) sphalt Pavement (6" thick) ssphalt Pavement (147 lbs/cf)" thick taised Median, Paved tegulatory Sign/Advisory Sign suide/Street Name Sign poxy Pavement Marking hermoplastic Pavement Marking arricade - Type 3 telineator - Type 1 turb and Gutter, Type A (6" Vertical) turb and Gutter, Type B (Median)		LS Tons CY SY SY Tons SF EA EA SF SF EA LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	31.00 56.00 16.00 21.00 32.00 97.00 9.00 333.00 15.00 26.00 221.00 27.00 32.00 32.00 32.00 66.00 80.00 106.00 11,273.00 67.00 102.00 11,639.00 80.00 2,324.00 4,172.00		* * * * * * * * * * * * * * * * * * * *	- - - - - - - - - - - - - - - - - - -		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	23,650

PROJECT INFORMATION								
STERLING RANCH ROAD CROSSING OF SAND CREEK	11/29/2022	CDR-226						
Project Name	Date	PCD File No.						

Doccrintion	Quantity Units Cost					Total	(with Pre-Plat Construction)		
Description	Quantity	Units	Cost			Total	% Complete		temaining
Financial items and listed but need of construction alone?				=	\$	-		\$	-
[insert items not listed but part of construction plans] STORM DRAIN IMPROVEMENTS				=	\$	-		\$	-
BridgeCor Steel Box Culvert, Size (38'-1" x 11'-11")	90	LF	\$ 1,833.30		\$	164,997.00		\$	164,997.0
BridgeCor Steel Box Culvert, Size (So-1 x 11-11) BridgeCor Steel Box Culvert, Size (Foundation)	1	LS	\$ 112,700.00		\$	112,700.00		\$	112,700.0
BridgeCor Steel Box Culvert, Size (Installation/Backfill)	1	LS	\$ 274,900.00		\$	274,900.00		\$	274,900.0
Bridge Cor Steer Box Curvert, Size (Iristaliation/Backlill)	1	LO	\$ 274,900.00		\$	2/4,300.00		\$	274,900.0
Congrete Boy Culvert (M Standard) Size (W v. H.)		LF		=	\$			\$	
Concrete Box Culvert (M Standard), Size (W x H) 18" Reinforced Concrete Pipe		LF	\$ 70.00		\$			\$	
·		LF	\$ 83.00		\$			\$	
24" Reinforced Concrete Pipe		LF		=	- '	-			
30" Reinforced Concrete Pipe		LF	\$ 104.00	=	\$	-		\$	
36" Reinforced Concrete Pipe		LF	\$ 128.00		\$			\$	
42" Reinforced Concrete Pipe			\$ 171.00	=				\$	
48" Reinforced Concrete Pipe		LF LF	\$ 209.00	=	\$			\$	
54" Reinforced Concrete Pipe			\$ 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 =		LA			١.				
(unit cost = 6x pipe unit cost)		EA		=	\$	-		\$	-
Headwall - BridgeCor Steel Box Culvert	1	LS	\$ 80,000.00	=	\$	80,000.00		\$	80,000.0
Wingwall - BridgeCor Steel Box Culvert	1	LS	\$200,000.00	=	\$	200,000.00		\$	200,000.0
Railing - BridgeCor Steel Box Culvert	365	LF	\$ 28.00	=	\$	10,220.00		\$	10,220.0
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) TRM	2,300	SY	\$ 7.00	=	\$	16,100.00		\$	16,100.0
Rip Rap, d50 size from 6" to 24"	785	Tons	\$ 89.00		\$	69,865.00		\$	69,865.0
Rip Rap, Grouted	763	Tons	\$ 105.00		\$	-		\$	
Drainage Channel Construction, Size (W x H)		LF	\$ 103.00		\$	-		\$	
Drainage Channel Lining, Concrete		CY	\$ 631.00		\$			\$	
Drainage Channel Lining, Concrete Drainage Channel Lining, Rip Rap		CY	\$ 124.00		\$			\$	
Dramage Onamie Lining, Mp Map		O1	Ç 124.00	_	4	-		"	<u>-</u>

PROJECT INFORMATION								
STERLING RANCH ROAD CROSSING OF SAND CREEK	11/29/2022	CDR-226						
Project Name	Date	PCD File No.						

			Unit				(with Pre-Plat Construction)				
Description	Quantity	Units	Cost			Total	% Complete		Remaining		
Drainage Channel Lining, Other Stabilization				=	\$	=		\$	-		
				=	\$	-		\$	-		
* - Subject to defect warranty financial assurance. A minimum of 20% shall		Sectio	n 2 Subtotal	=	\$	957,080.00		\$	957,080.00		
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**											
ROADWAY IMPROVEMENTS											

					=	\$ -	\$	-
					=	\$ -	\$	-
					=	\$ -	\$	-
					=	\$ -	\$	-
					=	\$ -	\$	-
					=	\$ -	\$	-
STORM DRAIN IMPROVEMENTS (Excep	tion: Permanent Por	nd/BMP shall	be ite	emized unde	er 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			=	\$ -	\$	-
					=	\$ -	\$	-
[insert items not listed but part of construction plans]					=	\$ -	\$	-
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			=	\$ -	\$	-
					=	\$ -	\$	-
[insert items not listed but part of construction plans]					=	\$ -	\$	-
LANDSCAPING IMPROVEMENTS	(For subdivision spe	ecific conditio	n of a	approval, or	PUD)			
		EA			=	\$ -	\$	-
		EA			=	\$ -	\$	-

PROJECT INFORMATION									
STERLING RANCH ROAD CROSSING OF SAND CREEK	11/29/2022	CDR-226							
Project Name	Date	PCD File No.							

			Unit			(with Pre-Plat Construction)				
Description	Quantity	Units	Cost		Total	% Complete	F	Remaining		
		EA		=	\$ -		\$	-		
		EA		=	\$ -		\$	-		
		EA		=	\$ -		\$	-		
** - Section 3 is not subject to defect warranty requirements		Sectio	n 3 Subtotal	=	\$ -		\$	-		
						-	-			
AS-BUILT PLANS (Public Improvements inc. Permanent WQ	CV BMPs)	LS	\$ 2,500.00	=	\$ 2,500.00		\$	2,500.00		
POND/BMP CERTIFICATION (inc. elevations and volume cale	culations)	LS	\$ 1,200.00	=	\$ 1,200.00		\$	1,200.00		

Total Construction Financial Assurance \$ 1,054,070.60

(Sum of all section subtotals plus as-builts and pond/BMP certification)

Total Remaining Construction Financial Assurance (with Pre-Plat Construction) _ \$ 1,054,070.60

(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)

Total Defect Warranty Financial Assurance _\$ 208,269.98

(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)

Approvals

I hereby certify that this is an accurate and combet designate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

37155 2 11/29/2022

Engineer (P.E. Seal Required)

11/29/2022

Owner / Applicant

APPROVED **Engineering Department**

Approved by El Paso County Engineer / ECM Administrator