



**PROJECT INFORMATION**

Briargate Bridge at Sand Creek at Sterling Ranch

4/28/2022

CDR-21-013

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
58S Bridge	1	EA	\$ 750,000.00	=	\$ 750,000.00		\$ 750,000.00	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
<b>STORM DRAIN IMPROVEMENTS</b>								
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -	
18" Reinforced Concrete Pipe		LF	\$ 67.00	=	\$ -		\$ -	
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$ -		\$ -	
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$ -		\$ -	
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$ -		\$ -	
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$ -		\$ -	
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$ -		\$ -	
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -	
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -	
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -	
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$ -		\$ -	
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$ -		\$ -	
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$ -		\$ -	
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$ -		\$ -	
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$ -		\$ -	
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$ -		\$ -	
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -	
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$ -		\$ -	
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$ -		\$ -	
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$ -		\$ -	
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$ -		\$ -	
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -	
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -	
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -	
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -	
End Treatment- Headwall		EA		=	\$ -		\$ -	
End Treatment- Wingwall		EA		=	\$ -		\$ -	
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -	
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,736.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 7,894.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 10,265.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,940.00	=	\$ -		\$ -	
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$ -		\$ -	
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$ -		\$ -	
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -	
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$ -		\$ -	
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$ -		\$ -	
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -	
Type M Soil Rip Rap, d50=12"	980	CY	\$ 85.00	=	\$ 83,300.00		\$ 83,300.00	
Type M Void-Filled Rip Rap, d50=12"	740	CY	\$ 100.00	=	\$ 74,000.00		\$ 74,000.00	
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -	
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -	
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -	
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -	
Concrete Grade Control Structure	38	CY	\$ 800.00	=	\$ 30,400.00		\$ 30,400.00	
				=	\$ -		\$ -	
<b>Section 2 Subtotal</b>					=	<b>\$ 1,059,798.00</b>		<b>\$ 1,059,798.00</b>

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

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						% 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)								
Grouted riprap drops	512	CY	\$ 95.00	=	\$ 48,640.00		\$ 48,640.00	
30" Grouted Boulders	1,450	CY	\$ 275.00	=	\$ 398,750.00		\$ 398,750.00	
30" to 36" Grouted Boulders	24	CY	\$ 375.00	=	\$ 9,000.00		\$ 9,000.00	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
				=	\$ -		\$ -	
<b>WATER SYSTEM IMPROVEMENTS</b>								
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	=	\$ -		\$ -	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -		\$ -	
Gate Valves, 8"		EA	\$ 1,923.00	=	\$ -		\$ -	
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	=	\$ -		\$ -	
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	=	\$ -		\$ -	
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"		LF	\$ 66.00	=	\$ -		\$ -	
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	=	\$ -		\$ -	
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	=	\$ -		\$ -	
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		=	\$ -		\$ -	
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 456,390.00</b>		<b>\$ 456,390.00</b>

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

**PROJECT INFORMATION**

Briargate Bridge at Sand Creek at Sterling Ranch	4/28/2022	CDR-21-013
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	\$ 7,500.00	=	\$	7,500.00	\$	7,500.00	
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=			\$	-	
<b>Total Construction Financial Assurance</b>							<b>\$ 1,546,676.98</b>		
(Sum of all section subtotals plus as-builts and pond/BMP certification)									
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>							<b>\$ 1,546,676.98</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>\$ 213,720.10</b>		
(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)

*[Signature]*  
 Approved by Owner / Applicant

*6/30/2022*  
 Date

Approved by El Paso County Engineer / ECM Administrator

**APPROVED**  
 Engineering Department  
07/07/2022 5:12:22 PM  
*d.dijkamp*  
 EPC Planning & Community  
 Development Department