

2023 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 12/8/2022

PROJECT INFORMATION		
Briargate Parkway Seg 2 and SR Rd CDR 221	5/8/2023	CDR 221
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	\$ 8.00	= \$	-	\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	= \$	-	\$ -
20,001-50,000; \$100,000 min	45,439	CY	\$ 3.50	= \$	159,036.50	\$ 159,036.50
50,001-200,000; \$175,000 min		CY	\$ 2.50	= \$	-	\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	= \$	-	\$ -
Permanent Erosion Control Blanket		SY	\$ 8.00	= \$	-	\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching		AC	\$ 1,875.00	= \$	-	\$ -
Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 50,000.00	= \$	50,000.00	\$ 50,000.00
Concrete Washout Basin	1	EA	\$ 1,089.00	= \$	1,089.00	\$ 1,089.00
Inlet Protection	14	EA	\$ 202.00	= \$	2,828.00	\$ 2,828.00
Rock Check Dam		EA	\$ 605.00	= \$	-	\$ -
Safety Fence		LF	\$ 3.00	= \$	-	\$ -
Sediment Basin		EA	\$ 2,132.00	= \$	-	\$ -
Sediment Trap		EA	\$ 500.00	= \$	-	\$ -
Sill Fence	7,129	LF	\$ 3.00	= \$	21,387.00	\$ 21,387.00
Slope Drain		LF	\$ 40.00	= \$	-	\$ -
Straw Bale		EA	\$ 31.00	= \$	-	\$ -
Straw Wattle/Rock Sock		LF	\$ 7.00	= \$	-	\$ -
Surface Roughening		AC	\$ 250.00	= \$	-	\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$	-	\$ -
Temporary Seeding and Mulching	14.0	AC	\$ 1,666.00	= \$	23,324.00	\$ 23,324.00
Vehicle Tracking Control	2	EA	\$ 2,867.00	= \$	5,734.00	\$ 5,734.00
<i>(insert items not listed but part of construction plans)</i>						
MAINTENANCE (35% of Construction BMPs)				= \$	18,645.55	\$ 18,645.55
Section 1 Subtotal				= \$	282,044.05	\$ 282,044.05

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

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	\$ 34.00	= \$	-	\$ -
Aggregate Base Course (135 lbs/cf)	9,833	CY	\$ 61.00	= \$	599,813.00	\$ 599,813.00
Asphalt Pavement (3" thick)		SY	\$ 17.00	= \$	-	\$ -
Asphalt Pavement (4" thick)		SY	\$ 23.00	= \$	-	\$ -
Asphalt Pavement (6" thick)	58,997	SY	\$ 35.00	= \$	2,064,895.00	\$ 2,064,895.00
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 106.00	= \$	-	\$ -
Raised Median, Paved		SF	\$ 10.00	= \$	-	\$ -
Regulatory Sign/Advisory Sign	40	EA	\$ 364.00	= \$	14,560.00	\$ 14,560.00
Guide/Street Name Sign	22	EA	\$ 437.00	= \$	9,614.00	\$ 9,614.00
Epoxy Pavement Marking	8,175	SF	\$ 16.00	= \$	130,800.00	\$ 130,800.00
Thermoplastic Pavement Marking	1,759	SF	\$ 28.00	= \$	49,252.00	\$ 49,252.00
Barricade - Type 3	9	EA	\$ 241.00	= \$	2,169.00	\$ 2,169.00
Delineator - Type I		EA	\$ 29.00	= \$	-	\$ -
Curb and Gutter, Type A (6" Vertical)	15,753	LF	\$ 35.00	= \$	551,355.00	\$ 385,948.50
Curb and Gutter, Type B (Median)	5,333	LF	\$ 35.00	= \$	186,655.00	\$ 186,655.00
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	= \$	-	\$ -
4" Sidewalk (common areas only)		SY	\$ 58.00	= \$	-	\$ -
5" Sidewalk	10,028	SY	\$ 72.00	= \$	722,016.00	\$ 722,016.00
6" Sidewalk		SY	\$ 87.00	= \$	-	\$ -
8" Sidewalk		SY	\$ 118.00	= \$	-	\$ -
Pedestrian Ramp	40	EA	\$ 1,390.00	= \$	55,600.00	\$ 55,600.00
Arterial Cross Pan, local (8" thick, 6' wide to include return)	205	LF	\$ 153.00	= \$	31,365.00	\$ 31,365.00
Cross Pan, collector (9" thick, 8' wide to include return)	638	LF	\$ 111.00	= \$	70,818.00	\$ 70,818.00
Curb Opening with Drainage Chase		EA	\$ 1,790.00	= \$	-	\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 60.00	= \$	-	\$ -
Guardrail Type 7 (Concrete)		LF	\$ 87.00	= \$	-	\$ -
Guardrail End Anchorage		EA	\$ 2,538.00	= \$	-	\$ -
Guardrail Impact Attenuator		EA	\$ 4,556.00	= \$	-	\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	= \$	-	\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	= \$	-	\$ -
Electrical Conduit, Size =		LF	\$ 20.00	= \$	-	\$ -
Traffic Signal, (provide engineer's estimate)		EA		= \$	-	\$ -

PROJECT INFORMATION

Briargate Parkway Seg 2 and SR Rd CDR 221

5/8/2023

CDR 221

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	507	LF	\$ 76.00	\$ 38,532.00		\$ 38,532.00
24" Reinforced Concrete Pipe	499	LF	\$ 91.00	\$ 45,409.00		\$ 45,409.00
30" Reinforced Concrete Pipe	839	LF	\$ 114.00	\$ 95,646.00		\$ 95,646.00
36" Reinforced Concrete Pipe	16	LF	\$ 140.00	\$ 2,240.00		\$ 2,240.00
42" Reinforced Concrete Pipe		LF	\$ 187.00	\$ -		\$ -
48" Reinforced Concrete Pipe	5,950	LF	\$ 228.00	\$ 1,356,600.00		\$ 1,356,600.00
54" Reinforced Concrete Pipe		LF	\$ 297.00	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 348.00	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 402.00	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 460.00	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 98.00	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 112.00	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 143.00	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 171.00	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 197.00	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 207.00	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 304.00	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 328.00	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 397.00	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 467.00	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 537.00	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 642.00	\$ -		\$ -
Flared End Section (FES) RCP Size = 48 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 1,400.00	\$ 1,400.00		\$ 1,400.00
Flared End Section (FES) CSP Size = 42 <i>(unit cost = 6x pipe unit cost)</i>	1	EA	\$ 1,300.00	\$ 1,300.00		\$ 1,300.00
End Treatment- Headwall		EA		\$ -		\$ -
End Treatment- Wingwall		EA		\$ -		\$ -
End Treatment - Cutoff Wall		EA		\$ -		\$ -
Curb Inlet (Type R) L=5' Depth < 5'		EA	\$ 6,703.00	\$ -		\$ -
Curb Inlet (Type R) L=5' 5' ≤ Depth < 10'		EA	\$ 8,715.00	\$ -		\$ -
Curb Inlet (Type R) L =5' 10' ≤ Depth < 15'		EA	\$ 10,092.00	\$ -		\$ -
Curb Inlet (Type R) L =10' Depth < 5'	3	EA	\$ 9,224.00	\$ 27,672.00		\$ 27,672.00
Curb Inlet (Type R) L =10' 5' ≤ Depth < 10'	5	EA	\$ 9,507.00	\$ 47,535.00		\$ 47,535.00
Curb Inlet (Type R) L =10' 10' ≤ Depth < 15'	1	EA	\$ 11,901.00	\$ 11,901.00		\$ 11,901.00
Curb Inlet (Type R) L =15' Depth < 5'	1	EA	\$ 11,995.00	\$ 11,995.00		\$ 11,995.00
Curb Inlet (Type R) L =15' 5' ≤ Depth < 10'	3	EA	\$ 12,858.00	\$ 38,574.00		\$ 38,574.00
Curb Inlet (Type R) L =15' 10' ≤ Depth < 15'	1	EA	\$ 14,061.00	\$ 14,061.00		\$ 14,061.00
Curb Inlet (Type R) L =20' Depth < 5'		EA	\$ 12,783.00	\$ -		\$ -
Curb Inlet (Type R) L =20' 5' ≤ Depth < 10'		EA	\$ 14,109.00	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	\$ -		\$ -
Storm Sewer Manhole, Box Base	15	EA	\$ 14,061.00	\$ 210,915.00		\$ 210,915.00
Storm Sewer Manhole, Slab Base	16	EA	\$ 7,734.00	\$ 123,744.00		\$ 123,744.00
Geotextile (Erosion Control)		SY	\$ 8.00	\$ -		\$ -
Rip Rap, #50 size from 6" to 24"		Tons	\$ 97.00	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 115.00	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 689.00	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,776.00	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				\$ -		\$ -
Section 2 Subtotal				\$ 6,526,436.00		\$ 6,361,029.50

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PROJECT INFORMATION

Briargate Parkway Seg 2 and SR Rd CDR 221
Project Name

5/8/2023
Date

CDR 221
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"	775	LF	\$ 78.00	\$ 60,450.00		\$ 60,450.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 91.00	\$ -		\$ -
Gate Valves, 8"		EA	\$ 2,247.00	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 7,978.00	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,601.00	\$ -		\$ -
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"	782	LF	\$ 78.00	\$ 60,996.00		\$ 60,996.00
Sanitary Sewer Manhole, Depth < 15 feet	2	EA	\$ 5,305.00	\$ 10,610.00		\$ 10,610.00
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	\$ -		\$ -
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		\$ -		\$ -
		EA		\$ -		\$ -
Section 3 Subtotal				\$ 132,056.00		\$ 132,056.00

** Section 3 is not subject to defect warranty requirements

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Briargate Parkway Seg 2 and SR Rd CDR 221	5/8/2023	CDR 221
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	\$ 10,000.00	= \$ 10,000.00	\$	10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	\$ 10,000.00	= \$ 10,000.00	\$	10,000.00
Total Construction Financial Assurance					\$	6,960,536.05
<small>(Sum of all section subtotals plus as-builts and pond/BMP certification)</small>						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	6,795,129.55
<small>(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)</small>						
Total Defect Warranty Financial Assurance					\$	1,347,094.50
<small>(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)</small>						

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 this Project.



Mike Bramlett

Engineer (P.E. Seal Required)

James W. Wray

Approved by Owner / Applicant

5/9/23

Date

Approved by El Paso County Engineer / ECM Administrator

Date