

2021 Financial Assurance Estimate Form
(with pre-plat construction)

SF-21-023

Updated: 12/22/2020

PROJECT INFORMATION		
CLOVERLEAF	5/13/2021	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost			(with Pre-Plat Construction)
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	2,500	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		CY	\$ 2.50			
greater than 200,000; \$500,000 min		CY	\$ 2.00			
* Permanent Seeding (inc. noxious weed mgmnt.)	35	AC	\$ 828.00		\$ 28,980.00	\$ 28,980.00
* Mulching	35	AC	\$ 777.00			
* Permanent Erosion Control Blanket	7,982	SY	\$ 8.00			
Permanent Pond/BMP (Outlet Structure)	1,530	CY	\$ 21.00			
Construction Fence	3	EA	\$ 10,000.00			
Temporary Erosion Control Blanket	4	EA	\$ 15,000.00			
Vehicle Tracking Control	1,407	LF	\$ 8.00			172,715
Silt Fence	5,664	LF	\$ 2.00			
Temporary Seeding		AC	\$ 650.00			
Temporary Mulch		AC	\$ 777.00			
Erosion Bales	7	EA	\$ 26.00			
Erosion Logs/Straw Waddle	8,993	LF	\$ 5.00			
Rock Check Dams		EA	\$ 518.00			
Inlet Protection	19	EA	\$ 173.00			
Sediment Basin	5	EA	\$ 1,824.00			
Concrete Washout Basin		EA	\$ 932.00			
Outlet Protection		EA	\$ 173.00			
Rough Street Cut Control		EA	\$ 100.00			
Stabilized Staging Area		SY	\$ 32.00			
[insert items not listed but part of construction plans]						
of Construction BMPs					\$ 32,282.74	\$ 32,282.74
Section 1 Subtotal					\$ 369,928.82	\$ 369,928.82

Revise to match the following highlighted items with the FAE from the early grading. Snippet below from the early grading.

* Earthwork		
less than 1,000; \$5,300 min		
1,000-5,000; \$8,000 min		
5,001-20,000; \$30,000 min		
20,001-50,000; \$100,000 min		
50,001-200,000; \$175,000 min		
greater than 200,000; \$500,000 min		172,715
* Permanent Seeding (inc. noxious weed mgmnt.)		36
* Erosion Control Blanket		2,516
* Mulching		36
Vehicle Tracking Control		3
Construction Fence		1,440
Concrete Washout Area		1
Silt Fence		6,002
Stabilized Staging Area		2,000
Check Dams (Straw)		6
Inlet Protection		1
Sediment Basin		5
Rough Cut Street Control		35
[insert items not listed but part of construction plans]		

revise spillway to 4

double check quantity. This seems low. CY to be based on 8" thick ABC

update. Plans show greater than 8 street name signs and greater than 10 regulatory/advisory sign

provide quantities for Type A C&G

Move type B C&G for Walters Pt to Section 3 (private improvements)

Staff recommends moving to 5" sidewalk per standard thickness

SECTION 2 - PUBLIC IMPROVEMENTS *						
ROADWAY IMPROVEMENTS						
Construction Traffic Control	1	LS	\$ 5,000.00	=	\$ 5,000.00	\$ 5,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -	\$ -
Aggregate Base Course (135 lbs/cf)	3,098	CY	\$ 52.00	=	\$ 161,076.00	\$ 161,070.00
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -	\$ -
Asphalt Pavement (4" thick)	18,585	SY	\$ 20.00	=	\$ 371,700.00	\$ 1,700.00
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -	\$ -
Asphalt Pavement (147 lbs/cf) 8" thick		Tons	\$ 91.00	=	\$ -	\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -	\$ -
Regulatory Sign/Advisory Sign	10	EA	\$ 311.00	=	\$ 3,110.00	\$ 3,110.00
Guide/Street Name Sign	8	EA	\$ 300.00	=	\$ 2,400.00	\$ 2,400.00
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -	\$ -
Thermoplastic Pavement Marking	64	SF	\$ 24.00	=	\$ 1,536.00	\$ 1,536.00
Barricade - Type 3		EA	\$ 207.00	=	\$ -	\$ -
Delineator - Type I		EA	\$ -	=	\$ -	\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ -	=	\$ -	\$ -
Curb and Gutter, Type B (Median)	284	LF	\$ 8,804.00	=	\$ 8,804.00	\$ 8,804.00
Curb and Gutter, Type C (Ramp)	10,356	LF	\$ 1,036.00	=	\$ 1,036.00	\$ 321,036.00
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -	\$ -
5" Sidewalk		SY	\$ 62.00	=	\$ -	\$ -
6" Sidewalk		SY	\$ 75.00	=	\$ -	\$ 401,850.00
8" Sidewalk	5,358	SY	\$ 99.00	=	\$ 530,442.00	\$ -
Pedestrian Ramp	30	EA	\$ 1,190.00	=	\$ 35,700.00	\$ 35,700.00
Cross Pan, local (8" thick, 6' wide to include return)	75	LF	\$ 63.00	=	\$ 4,725.00	\$ 4,725.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -	\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -	\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -	\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -	\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -	\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -	\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -	\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -	\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -	\$ -

PROJECT INFORMATION		
CLOVERLEAF	5/13/2021	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -*

Fix break in page.

PROJECT INFORMATION

CLOVERLEAF	5/13/2021	
Project Name	Date	PCD File No.

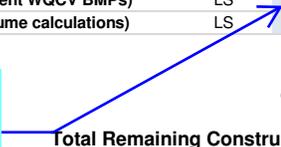
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
STORM DRAIN IMPROVEMENTS								
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -	
18" Reinforced Concrete Pipe	1,175	LF	\$ 67.00	=	\$ 78,748.38		\$ 78,748.38	
24" Reinforced Concrete Pipe	66	LF	\$ 81.00	=	\$ 5,369.73		\$ 5,369.73	
30" Reinforced Concrete Pipe	1,122	LF	\$ 100.00	=	\$ 112,213.30		\$ 112,213.30	
36" Reinforced Concrete Pipe	448	LF	\$ 124.00	=	\$ 55,574.94		\$ 55,574.94	
42" Reinforced Concrete Pipe	916	LF	\$ 166.00	=	\$ 152,048.53		\$ 152,048.53	
48" Reinforced Concrete Pipe	428	LF	\$ 202.00	=	\$ 86,505.49		\$ 86,505.49	
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 = 18" <small>(unit cost = 6x pipe unit cost)</small>	5	EA	\$ 960.00	=	\$ 4,800.00		\$ 4,800.00	
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		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'	2	EA	\$ 7,440.00	=	\$ 14,880.00		\$ 14,880.00	
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'	3	EA	\$ 8,136.00	=	\$ 24,408.00		\$ 24,408.00	
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'	3	EA	\$ 11,005.00	=	\$ 33,015.00		\$ 33,015.00	
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	16	EA	\$ 12,034.00	=	\$ 192,544.00		\$ 192,544.00	
Storm Sewer Manhole, Slab Base	13	EA	\$ 6,619.00	=	\$ 86,047.00		\$ 86,047.00	
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -	
Rip Rap, d50 size from 6" to 24"	943	Tons	\$ 83.00	=	\$ 78,234.14		\$ 78,234.14	
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -	
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				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
Section 2 Subtotal					=	\$ 2,241,319.52		\$ 2,241,319.52

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

PROJECT INFORMATION		
CLOVERLEAF	5/13/2021	
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						\$ 4,581,914.77
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 4,581,914.77
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 496,501.64
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

provide quantities for both as-built plans and pond certification



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

 Approved by El Paso County Engineer / ECM Administrator

 Date

 Date