

2015 Financial Assurance Estimate Form

8/6/2015

Project Information

Lorson Ranch East- Lorson Boulevard Bridge

1/5/2018

Project Name

Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork-	7,500.00	CY @	\$ 5	\$ 37,500.00	\$ 37,500.00 *
Permanent Seeding*	1.00	AC @	\$ 582	\$ 582.00	\$ 582.00 *
Mulching*	1.00	AC @	\$ 507	\$ 507.00	\$ 507.00 *
Permanent Erosion Control Blanket*		SY @	\$ 6	\$	\$ - *
Temporary Erosion Control Blanket		SY @	\$ 3	\$	\$ - *
Vehicle Tracking Control	1.00	EA @	\$ 1,625	\$ 1,625.00	\$ 1,625.00
Safety Fence	1,900.00	LF @	\$ 3	\$ 5,700.00	\$ 5,700.00
Silt Fence	360.00	LF @	\$ 4	\$ 1,440.00	\$ 1,440.00
Temporary Seeding		AC @	\$ 485	\$	\$ - *
Temporary Mulch		AC @	\$ 507	\$	\$ - *
Erosion Bales		EA @	\$ 21	\$	\$ - *
Erosion Logs		LF @	\$ 6	\$	\$ - *
Rock Ditch Checks		EA @	\$	\$	\$ - *
Inlet Protection		EA @	\$ 153	\$	\$ - *
Sediment Basin		EA @	\$ 1,625	\$	\$ - *
Concrete Washout Basin	1.00	EA @	\$ 776	\$ 776.00	\$ 776.00
Stabilized stockpile and staging area	1.00	EA @	\$ 1,000	\$ 1,000.00	\$ 1,000.00
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process.					
Section 1 Subtotal				\$ 49,130.00	\$ 49,130.00

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control		LS @	\$	\$	\$ - *
Aggregate Base Course		Tons @	\$ 18	\$	\$ - *
Asphalt Pavement		Tons @	\$ 85	\$	\$ - *
Raised Median, Paved		SF @	\$ 7	\$	\$ - *
Electrical Conduit, Size =		LF @	\$ 14	\$	\$ - *
Traffic Signal, complete intersection		EA @	\$ 250,000	\$	\$ - *
Regulatory Sign		EA @	\$ 100	\$	\$ - *
Advisory Sign		EA @	\$ 100	\$	\$ - *
Guide/Street Name Sign		EA @	\$ 50	\$	\$ - *
Epoxy Pavement Marking		SF @	\$ 12	\$	\$ - *
Thermoplastic Pavement Marking		SF @	\$ 22	\$	\$ - *
Barricade - Type 3		EA @	\$ 115	\$	\$ - *
Delineator (Type I)		EA @	\$ 21	\$	\$ - *
Curb and Gutter, Type C (Ramp)		LF @	\$ 21	\$	\$ - *
Curb and Gutter, Type A (6" Vertical)		LF @	\$ 16	\$	\$ - *
Curb and Gutter, Type B (Median)		LF @	\$ 13	\$	\$ - *
Pedestrian Ramp		SY @	\$ 108	\$	\$ - *
Concrete Sidewalk		SY @	\$ 38	\$	\$ - *

Cross Pan		SY	@	\$ 53	=	\$	\$ -	*	
Curb Chase		EA	@	\$ 1,300	=	\$	\$ -	*	
Guardrail Type 3 (W-Beam)	395.00	LF	@	\$ 18	=	\$ 7,110.00	\$ 7,110.00	*	
Guardrail Type 7 (Concrete)		LF	@	\$ 67	=	\$	\$ -	*	
Guardrail End Anchorage	4.00	EA	@	\$ 1,978	=	\$ 7,912.00	\$ 7,912.00	*	
Guardrail Impact Attenuator		EA	@	\$ 3,564	=	\$	\$ -	*	
Sound Barrier Fence		LF	@	\$ 100	=	\$	\$ -	*	
- Storm Drain Improvements									
48-foot clear span precast arch bridge, precast bridge pieces, wingwalls, precast headwalls, guard rails, hand rails, structure excavation and backfill and select backfill.	1.00	ea	@	\$ 1,055,420	=	\$ 1,055,420.00	\$ 1,055,420.00	*	
Reinforced Concrete Pipe (RCP)	Size	LF	@	\$	=	\$	\$ -	*	
18" Reinforced Concrete Pipe		LF	@	\$ 69	=	\$	\$ -	*	
24" Reinforced Concrete Pipe		LF	@	\$ 84	=	\$	\$ -	*	
30" Reinforced Concrete Pipe		LF	@	\$ 94	=	\$	\$ -	*	
36" Reinforced Concrete Pipe		LF	@	\$ 124	=	\$	\$ -	*	
42" Reinforced Concrete Pipe		LF	@	\$ 134	=	\$	\$ -	*	
48" Reinforced Concrete Pipe		LF	@	\$ 178	=	\$	\$ -	*	
54" Reinforced Concrete Pipe		LF	@	\$ 182	=	\$	\$ -	*	
60" Reinforced Concrete Pipe		LF	@	\$ 216	=	\$	\$ -	*	
66" Reinforced Concrete Pipe		LF	@	\$ 253	=	\$	\$ -	*	
72" Reinforced Concrete Pipe		LF	@	\$ 283	=	\$	\$ -	*	
43"x68"Horiz. Ell. Reinforced Concrete Pipe		LF	@	\$ 190	=	\$	\$ -	*	
Corrugated Steel Pipe (CSP)	Size	LF	@	\$	=	\$	\$ -	*	
18" Corrugated Steel Pipe		LF	@	\$ 66	=	\$	\$ -	*	
24" Corrugated Steel Pipe		LF	@	\$ 96	=	\$	\$ -	*	
30" Corrugated Steel Pipe		LF	@	\$ 101	=	\$	\$ -	*	
36" Corrugated Steel Pipe		LF	@	\$ 136	=	\$	\$ -	*	
42" Corrugated Steel Pipe		LF	@	\$ 147	=	\$	\$ -	*	
48" Corrugated Steel Pipe		LF	@	\$ 169	=	\$	\$ -	*	
54" Corrugated Steel Pipe		LF	@	\$ 193	=	\$	\$ -	*	
60" Corrugated Steel Pipe		LF	@	\$ 227	=	\$	\$ -	*	
66" Corrugated Steel Pipe		LF	@	\$ 278	=	\$	\$ -	*	
72" Corrugated Steel Pipe		LF	@	\$ 330	=	\$	\$ -	*	
78" Corrugated Steel Pipe		LF	@	\$ 381	=	\$	\$ -	*	
84" Corrugated Steel Pipe		LF	@	\$ 432	=	\$	\$ -	*	
Flared End Section (FES) RCP 24"		EA	@	\$ 900	=	\$	\$ -	*	
Flared End Section (FES) RCP 30"		EA	@	\$ 1,000	=	\$	\$ -	*	
Flared End Section (FES) RCP 42"		EA	@	\$ 1,200	=	\$	\$ -	*	
Flared End Section (FES) 54-INCH		EA	@	\$ 1,500	=	\$	\$ -	*	
End Treatment- Headwall		EA	@	\$	=	\$	\$ -	*	
End Treatment- Wingwall		EA	@	\$	=	\$	\$ -	*	
End Treatment - Cutoff Wall		EA	@	\$	=	\$	\$ -	*	
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$ 3,791	=	\$	\$ -	*	
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	@	\$ 5,044	=	\$	\$ -	*	
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$ 6,027	=	\$	\$ -	*	
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	\$ 5,528	=	\$	\$ -	*	
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$ 6,694	=	\$	\$ -	*	
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$ 7,500	=	\$	\$ -	*	
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	\$ 7,923	=	\$	\$ -	*	
Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	\$ 8,000	=	\$	\$ -	*	
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$ 8,800	=	\$	\$ -	*	
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$ 8,000	=	\$	\$ -	*	
Curb Inlet (Type R) L =20' , 5'-10' Depth		EA	@	\$ 8,830	=	\$	\$ -	*	
Curb Inlet (Type R) L =25' , <5' Depth		EA	@	\$ 9,000	=	\$	\$ -	*	
Curb Inlet (Type R) L =25' , 5' - 10' Depth		EA	@	\$ 10,000	=	\$	\$ -	*	
Curb Inlet (Type R Modified) L =25' , 5' - 10' Depth		EA	@	\$ 13,500	=	\$	\$ -	*	
Grated Inlet (Type C), < 5' deep		EA	@	\$ 3,270	=	\$	\$ -	*	
Grated Inlet (Type D), < 5' deep		EA	@	\$ 3,908	=	\$	\$ -	*	
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	@	\$ 8,592	=	\$	\$ -	*	

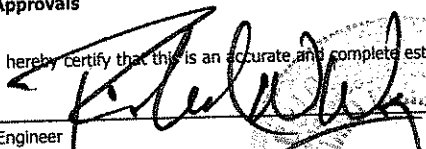
Storm Sewer Manhole, Slab Base, Depth < 15 feet	EA	@	\$	\$4,575	=	\$	\$	-	*
Geotextile (Erosion Control)	SY	@	\$	\$5	=	\$	\$	-	*
Rip Rap, d50 Size from 6" to 24"	CY	@	\$	\$98	=	\$	\$	-	*
Rip Rap, Grouted	CY	@	\$	\$215	=	\$	\$	-	*
Drainage Channel Construction, Size (W x H)	LF	@	\$		=	\$	\$	-	*
Channel Lining, Concrete (Trickle Channel)	CY	@	\$	\$450	=	\$	\$	-	*
Channel Lining, Rip Rap	CY	@	\$	\$98	=	\$	\$	-	*
Channel Lining, Grass	AC	@	\$	\$1,287	=	\$	\$	-	*
Concrete Cutoff Wall (30" RCP FES)	EA	@	\$	\$500	=	\$	\$	-	*
Detention Outlet Structure	EA	@	\$	\$12,000	=	\$	\$	-	*
Detention Emergency Spillway	EA	@	\$	\$18,300	=	\$	\$	-	*
Presedimentation Forebay	EA	@	\$	\$7,000	=	\$	\$	-	*
Gravel Maintenance Access Trail	SY	@	\$	\$20	=	\$	\$	-	*
Type II Bedding	CY	@	\$	\$35	=	\$	\$	-	*
Detention Basin Seeding and Mulch	AC	@	\$	\$520	=	\$	\$	-	*
Permanent Water Quality Facility (Describe)	EA	@	\$		=	\$	\$	-	*
	EA	@	\$		=	\$	\$	-	*
* specified items subject to defect warranty financial assurance. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6					=	\$	1,070,442.00	1,070,442.00	**
Section 2 Subtotal					=	\$	1,070,442.00	1,070,442.00	**

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units	Price		% Complete	Remaining
- Roadway Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
Concrete Sidewalk		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
Type M soil/riprap bank lining	2,930.00	@	\$ 65	=	\$ 190,450.00	\$ 190,450.00
		@	\$	=	\$	\$ -
		@	\$	=	\$	\$ -
- Water System Improvements						
Water Main Pipe (PVC), Size 6"		LF @	\$ 94	=	\$	\$ -
Water Main Pipe (Ductile iron), Size 8"		LF @	\$ 137	=	\$	\$ -
Water Main Pipe (PVC), Size 12"		LF @	\$ 122	=	\$	\$ -
Gate Valves, 6"		EA @	\$ 1,852	=	\$	\$ -
Gate Valves, 12"		EA @	\$ 2,400	=	\$	\$ -
Fire Hydrant Assembly w/ all valves		EA @	\$ 6,430	=	\$	\$ -
Water Service Line Installation, including tap and valves		EA @	\$ 1,253	=	\$	\$ -
Fire Cistern Installation, complete		EA @	\$	=	\$	\$ -
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"		LF @	\$ 94	=	\$	\$ -
Sewer Main Pipe (PVC), Size 12"		LF @	\$ 165	=	\$	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA @	\$ 4,575	=	\$	\$ -
Sanitary Service Line Installation, complete		EA @	\$ 1,516	=	\$	\$ -
Sanitary Sewer Lift Station, complete		EA @	\$	=	\$	\$ -
- Landscaping (If Applicable)						
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
		EA @	\$	=	\$	\$ -
***items in this section are not subject to defect warranty financial assurance						
Section 3 Subtotal				=	\$ 190,450.00	190,450.00

Financial Assurance Totals	\$ 4,000
As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$1,314,022.00
(Inc. survey to verify detention pond volumes.)	(Sum of all section subtotals)
	1,314,022.00
	(Sum of all section totals less credit for items complete)
	\$221,806.20
	(20% of all items identified as public improvements(*). To be collateralized at time of preliminary acceptance)

Approvals

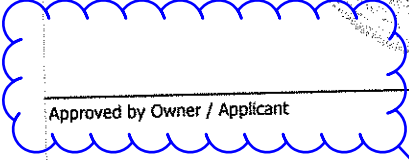
I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.


Date 1/5/18

Engineer 

Approved by Owner / Applicant Date

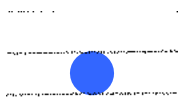
Approved by El Paso County Engineer / ECM Administrator Date



Sign

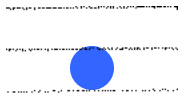
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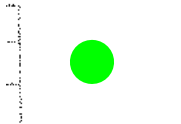
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