

2015 Financial Assurance

11/7/18

Estimate Form (with pre-plat construction)

Project Information
 Judge Orr Road RV Park & Storage Development
 Project Name
 Date 11/7/2018

Update any quantities impacted by comments to the construction plans.

Use the updated financial assurance estimate form attached.



Section 1 - Grading and Erosion Control BMPs	Quantity	Units	Price	% Complete	Remaining
Earthwork*	60,000.00	CY @	\$5		\$ 300,000.00
Permanent Seeding* (inc. noxious weed mgmnt.)	5.00	AC @	\$582		\$ 2,910.00
Mulching*	5.00	AC @	\$507		\$ 2,535.00
Permanent Erosion Control Blanket*		SY @	\$6		\$ -
Temporary Erosion Control Blanket		SY @	\$3		\$ -
Vehicle Tracking Control	1.00	EA @	\$1,625		\$ 1,625.00
Safety Fence		LF @	\$3		\$ -
Silt Fence	3,555.00	LF @	\$4		\$ 14,220.00
		AC @	\$485		\$ -
		AC @	\$507		\$ -
	3.00	EA @	\$21		\$ 63.00
		LF @	\$6		\$ -
		EA @			\$ -
Inlet Protection	1.00	EA @	\$153		\$ 153.00
Sediment Basin	1.00	EA @	\$1,625		\$ 1,625.00
Concrete Washout Basin	1.00	EA @	\$776		\$ 776.00
		@			\$ -
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process.					
Section 1 Subtotal					\$ 323,907.00

Update. Inlet Protection shall be placed at all proposed inlets.

Section 2 - Public Improvements**	Quantity	Units	Price	% Complete	Remaining
- Roadway Improvements					
Construction Traffic Control	1.00	LS @	\$4,000		\$ 4,000.00
Aggregate Base Course	1,290.00	Tons @	\$18		\$ 23,220.00
Asphalt Pavement	678.00	Tons @	\$65		\$ 44,070.00
Raised Median, Paved		SF @	\$7		\$ -
Electrical Conduit, Size =		LF @	\$14		\$ -
Traffic Signal, complete intersection		EA @	\$250,000		\$ -
Regulatory Sign	1.00	EA @	\$100		\$ 100.00
Advisory Sign		EA @	\$100		\$ -
Guide/Street Name Sign	2.00	EA @	\$177		\$ 354.00
Epoxy Pavement Marking		SF @	\$12		\$ -
Thermoplastic Pavement Marking	546.00	SF @	\$22		\$ 12,012.00
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)	1,027.00	LF @	\$16		\$ 16,432.00
Curb and Gutter, Type B (Median)		LF @	\$13		\$ -
Pedestrian Ramp	35.00	SY @	\$108		\$ 3,780.00

Move all Section 2 improvements into Section 3. At this time Range Flower Way is not a public road.

FYI: In the future, once the applicant subdivides and dedicate this roadway to the County for maintenance then collateral will be required to the collateralized to the defect warranty estimate (20 % of the roadway improvement cost).

Cross Pan	135.00	SY	@	\$ 53	=	\$ 7,155.00		\$ 7,155.00	*
Curb Chase		EA	@	\$ 1,300	=	\$		\$ -	*
Concrete Sidewalk	1,008.00	LF	@	\$ 3	=	3,024.00		\$ 3,024.00	
Guardrail Type 3 (W-Beam)		LF	@	\$ 18	=	\$		\$ -	*
Guardrail Type 7 (Concrete)		LF	@	\$ 67	=	\$		\$ -	*
Guardrail End Anchorage		EA	@	\$ 1,978	=	\$		\$ -	*
Guardrail Impact Attenuator		EA	@	\$ 3,564	=	\$		\$ -	*
Sound Barrier Fence		LF	@	\$ 100	=	\$		\$ -	*
- Storm Drain Improvements									
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$	=	\$		\$ -	*
Reinforced Concrete Pipe (RCP) Size		LF	@	\$	=	\$		\$ -	*
18" Reinforced Concrete Pipe		LF	@	\$ 69	=	\$		\$ -	*
24" Reinforced Concrete Pipe		LF	@	\$ 84	=	\$		\$ -	*
38"x24" Reinforced Concrete Pipe	130.00	LF	@	\$ 94	=	12,220.00		\$ 12,220.00	*
36" Reinforced Concrete Pipe	190	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	@	\$ 263	=	\$		\$ -	*
72" Reinforced Concrete Pipe		LF	@	\$ 283	=	\$		\$ -	*
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	4	LF	@	\$ 330	=	\$		\$ -	*
78" Corrugated Steel Pipe		LF	@	\$ 381	=	\$		\$ -	*
84" Corrugated Steel Pipe		LF	@	\$ 432	=	\$		\$ -	*
Flared End Section (FES) RCP 38"x24"	2.00	EA	@	\$ 700	=	1,400.00		\$ 1,400.00	*
Flared End Section (FES) CSP +		EA	@	\$	=	\$		\$ -	*
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 = ___ , ___ - ___ Depth		EA	@	\$	=	\$		\$ -	*
Curb Inlet (Type R) L = ___ , ___ - ___ Depth		EA	@	\$	=	\$		\$ -	*
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	=	\$	90.00	\$ -	*
Rip Rap, Grouted		CY	@	\$ 215	=	\$		\$ -	*

Drainage Channel Construction, Size (W x H)		LF	@	\$	=	\$		\$ - *
Channel Lining, Concrete		CY	@	\$ 450	=	\$		\$ - *
Channel Lining, Rip Rap		CY	@	\$ 98	=	\$		\$ - *
Channel Lining, Grass		AC	@	\$ 1,287	=	\$		\$ - *
Channel Lining, Other Stabilization		SY	@	\$ 3	=	\$		\$ - *
Detention Outlet Structure		EA	@	\$	=	\$		\$ - *
Detention Emergency Spillway		EA	@	\$	=	\$		\$ - *
Permanent Water Quality Facility (Describe)		EA	@	\$	=	\$		\$ - *
* Subject to defect warranty financial assurance. DO NOT ENTER MORE THAN 80% COMPLETE. A minimum of 20% to be retained up to preliminary acceptance process. † For flared end sections, multiply pipe LF cost by 6								
Section 2 Subtotal						=	127,767.00	127,767.00 **
							\$	

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		SY @	\$ 38	=	\$ -
		@	\$	=	\$ -
		@	\$	=	\$ -
- Storm Drain Improvements					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)		@	\$	=	\$ -
		@	\$	=	\$ -
		@	\$	=	\$ -
High Density Polyethylene (HDPE) Pipe 30"		LF	75	=	\$ - 100.00
18" Reinforced Concrete Pipe		LF	\$69	=	\$ -
Flared End Section (FES) RCP 18"		EA	500	=	\$ -
Flared End Section (FES) HDPE 30"		EA	650	=	\$ - 100.00
Detention Outlet Structure	1.00	EA	8,000	=	\$ - 8,000.00 100.00
Detention Emergency Spillway	1.00	EA	2,500	=	\$ - 2,500.00 100.00
		EA		=	\$ -
		EA @	\$	=	\$ -
		CY @	\$	=	\$ -
		@	\$	=	\$ -
- Water System Improvements					
Water Main Pipe (PVC), Size 8"		LF @	\$ 94	=	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF @	\$ 137	=	\$ -
Gate Valves, 8"		EA @	\$ 1,852	=	\$ -
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 10"			\$100	=	\$ -
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				=	\$ 10,500.00

Include the Type C inlets and 36" FES

Riprap

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)	\$	\$1,500
(Inc. survey to verify detention pond volumes.)	Total Construction Financial Assurance	\$463,674.00
	(Sum of all section subtotals)	
	Total Remaining Construction Financial Assurance	453,174.00
	(Sum of all section totals less credit for items complete)	
	Total Defect Warranty Financial Assurance	\$86,642.40
	(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.

 Engineer	 (P.E. Seal)	 Date
Approved by Owner / Applicant		Date
Approved by El Paso County Engineer / ECM Administrator		Date