

# 2015 Financial Assurance Estimate Form

(Basic form)

3/17/2015

May be required at the roadside ditch sections steeper than 6% if the ditch does not meet the permissible velocities.

<b>Project Information</b>	
Jackson Ranch Filing No. 4	5/4/17
Project Name	Date

Section 1 - Grading and Erosion Control BMPs	Quantity	Units		Price		
Earthwork*	2,216.00	CY	@	\$ 5	=	\$ 11,080.00 *
Permanent Seeding*	1.90	AC	@	\$ 582	=	\$ 1,105.80 *
Mulching*	1.90	AC	@	\$ 507	=	\$ 963.30 *
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	310.00	LF	@	\$ 4	=	\$ 1,240.00
Temporary Seeding		AC	@	\$ 485	=	\$
Temporary Mulch		AC	@	\$ 507	=	\$
Erosion Bales	33.00	EA	@	\$ 21	=	\$ 693.00
Erosion Logs		LF	@	\$ 6	=	\$
Rock Ditch Checks		EA	@	\$ 300	=	\$
Inlet Protection		EA	@	\$ 153	=	\$
Sediment Basin		EA	@	\$ 1,625	=	\$
Concrete Washout Basin		EA	@	\$ 776	=	\$
			@	\$	=	\$
Specified items subject to defect warranty financial assurance						
						<b>Section 1 Subtotal</b> = \$ 16,707.10

Section 2 - Public Improvements**	Quantity	Units		Price		
<b>- Roadway Improvements</b>						
Construction Traffic Control		LS	@	\$	=	\$
Aggregate Base Course	887.00	Tons	@	\$ 18	=	\$ 15,966.00
Asphalt Pavement	593.00	Tons	@	\$ 65	=	\$ 38,545.00
Raised Median, Paved		SF	@	\$ 7	=	\$
Electrical Conduit, Size 1/2"		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		EA	@	\$	=	\$
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	=	\$

Provide quantity

Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase		EA	@	\$	\$1,300	=	\$
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	=	\$
<b>- Storm Drain Improvements</b>							
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	=	\$
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	@	\$	\$263	=	\$
72" Reinforced Concrete Pipe		LF	@	\$	\$283	=	\$
High Density Polyethylene (HDPE) Pipe Size		LF	@	\$		=	\$
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 †		EA	@	\$		=	\$
Flared End Section (FES) HDPE †		EA	@	\$		=	\$
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	=	\$
Rip Rap, Grouted		CY	@	\$	\$215	=	\$
Drainage Channel Construction, Size ( W x H )		LF	@	\$		=	\$
Channel Lining, Concrete		CY	@	\$	\$450	=	\$
Channel Lining, Rip Rap (Ditch-Out)	12.00	CY	@	\$	\$98	=	\$ 1,176.00
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	@	\$		=	\$
**all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6							
<b>Section 2 Subtotal</b>						=	<b>\$ 55,787.00 **</b>

<b>Section 3 - Common Development Improvements (Private or District)***</b>	<b>Quantity</b>	<b>Units</b>	<b>Price</b>		
<b><u>- Roadway Improvements</u></b>					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
Concrete Sidewalk		SY	@	\$ 338	= \$
			@	\$	= \$
			@	\$	= \$
<b><u>- Storm Drain Improvements</u></b>					
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	= \$
			@	\$	= \$
			@	\$	= \$
Permanent Rock Check	2.00		@	\$ 1,200	= \$ 2,400.00
			@	\$	= \$
			@	\$	= \$
<b><u>- Water System Improvements</u></b>					
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, inc. tap & valves		EA	@	\$ 1,253	= \$
Fire Cistern Installation, complete		EA	@	\$	= \$
<b><u>- Sanitary Sewer Improvements</u></b>					
Sewer Main Pipe (PVC), Size 8"		LF	@	\$ 94	= \$
Sanitary Sewer Manhole, Depth < 15 feet		EA	@	\$ 4,575	= \$
Sanitary Service Line Installation, complete		EA	@	\$ 1,516	= \$
Sanitary Sewer Lift Station, complete		EA	@	\$	= \$
<b><u>- Landscaping (If Applicable)</u></b>					
(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					
				<b>Section 3 Subtotal</b>	= \$ 2,400.00

**Financial Assurance Totals**

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS)		\$	3,000.00
( Inc. survey to verify detention pond volumes.)	<b>Construction Financial Assurance Total</b>	=	<u>\$ 77,894.10</u>
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	68,936.10
	<b>Defect Warranty Financial Assurance Total</b>	=	<u>\$ 13,787.22</u>
	(20%of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		

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

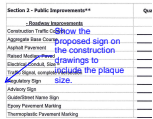
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dsdlaforce (6)



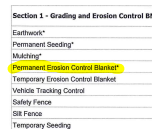
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May be required at the roadside ditch sections steeper than 6% if the ditch does not meet the permissible velocities.

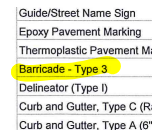


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Show the proposed sign on the construction drawings to include the plaque size.



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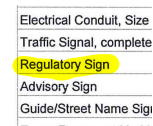


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