

General Information		Map	
<b>Project ID</b>			
<b>Street Name</b>	<b>Scott Blvd.</b>		
<b>Site Visit Date</b>	5/22/13		
<b>Road Classification</b>	Internal Local		
<b>Project Notes</b>			
Rural typical section. Point is close to FEMA Zone A flood boundary. Including cost of Zone A flood study based on limited location information.			
<b>Field Notes</b>			
<b>Design (Existing Site Features)</b>			
<b>Existing Road Laneage</b>	2-10.5'		
<b>Existing Shld Width (paved and grass) (feet)</b>	4' Grass		
<b>Existing Side Slopes</b>	6:1 to flat		
<b>Existing Guardrail</b>	None		
<b>Depth fm Pavement to Top of Culvert (ft):</b>	10 - 11		
<b>Pipe Type and Size</b>	18" CMP		
<b>Pipe Condition (1-5) (1 is new)</b>	5		
Condition Notes:			
<b>Pavement Type/Condition</b>	Asphalt/Good		
<b>Environmental Features</b>			
<b>Wetlands</b>	Upstream		
<b>Ditches</b>	Noted		
<b>Utilities (Visual Inspection)</b>			
<b>Electric</b>	Aerial		
<b>Cable</b>	Aerial		
<b>Phone</b>	Aerial		
<b>Gas</b>	None		
<b>Water</b>	Buried		
<b>Sewer</b>			
<b>Other</b>			
<b>Proposed Design</b>			
<b>Roadway Section</b>	Typical rural. Driveway removal/replacement costed as 20' x 9' concrete sidewalk		
<b>Culvert Size &amp; Material</b>	4' x 2' box, concrete, 50'		
<b>Utility Relocations</b>	Utility poles, aerial lectric, cable,phone, buried water		
<b>Guardrail Replacement</b>			
<b>Miscellaneous Features</b>	Series of three, 18" pipes. Upper two are within reasonable sizes, second one in series could be upsized to 24". Downstream-most culvert is primary replacement need.		
<b>Planning Cost Estimate</b>			
<b>Type</b>	<b>Notes</b>	<b>Total</b>	
<b>Design</b>	Includes 10% Construction Cost and surveying needs	\$17,008	
<b>Right of Way Cost</b>	Assuming project extends 2,000 sf beyond ROW	\$8,000	
<b>Utility Relocation Cost</b>	Aerial utilities, poles, and buried water main	\$14,025	
<b>Construction Cost</b>	Assuming 1/10 acre clearing and grubbing	\$45,081	
<b>Environmental Permits</b>	Permitting, Zone A flood study	\$15,000	
<b>Total Planning Estimate</b>		<b>\$99,114</b>	





**Photo 1:**



**Photo 2:**

160 Scott Blvd.

**Photo Date:**

5/21/2013

**Taken By:**

David King

**Page:**

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**Photo 3:**



**Photo 4:**

160 Scott Blvd.

**Photo Date:**

5/21/2013

**Taken By:**

David King

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Roadway Construction, Utility Relocation and ROW Quantity Calculations

Roadway Construction	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$ 0.73	\$ 4.87	126.00	\$ 706.27
Curb and Gutter (LF)	\$ 28.56	\$ 30.60	0.00	\$ -
Drain Inlet (EA)		\$ 3,000.00	0.00	\$ -
4" Sidewalk (SY)	\$ 13.56	\$ 36.90	20.00	\$ 1,009.20
Guardrail (LF)	\$ 4.88	\$ 49.09	0.00	\$ -
End Anchorage (EA)		\$ 1,380.00	0.00	\$ -
<b>Subtotal</b>				<b>\$ 1,715.47</b>

Grading Complete (5% of Rwy Items & Drng Total \$) \$ 1,550.79

Roadway Total \$ 3,266.27

Drainage	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)		\$ 10.38	150.00	\$ 1,557.00
18" CMP (LF)	\$ 5.74		50.00	\$ 860.40
18" RCP		\$ 36.00	0.00	\$ -
Class A Conc (CY)		\$ 892.19	24.56	\$ 21,912.14
Steel (lb)		\$ 1.42	2,189.00	\$ 3,099.62
Pipe Bedding (CY)		\$ 48.60	11.60	\$ 563.76
Trench Backfill (CY)		\$ 2.99	161.90	\$ 483.76
Trench Compaction (CY)		\$ 6.36	129.52	\$ 823.75

Drainage Total \$ 29,300.43

Signing and Marking	Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)	\$ 0.71	0.00	\$ -

Signing and Marking Total \$ -

Staging	Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)	\$ 10,260.00	0.10	\$ 1,026.00
Temporary Pavement			\$ -
Temporary Drainage (Stream Diversion)	\$ 4,428.00	1.00	\$ 4,428.00

Staging Total \$ 5,454.00

Erosion Control	Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)	\$ 4.39	19.33	\$ 84.91
Temporary Grassing (AC)	\$ 855.60	0.00	\$ -
Type C Silt Fence (LF)	\$ 4.24	200.00	\$ 847.20
Check Dam Type C Silt Fence (LF)	\$ 6.79	200.00	\$ 1,358.40
Erosion Control Mats (SY)	\$ 1.87	66.67	\$ 124.80
Landscape Mulch (SY)	\$ 3.58	66.67	\$ 238.40
Perm Grassing (AC)	\$ 1,402.20	0.00	\$ -
Rip Rap Type 3 12" (SY)	\$ 60.98	16.00	\$ 975.74
Plastic Filter Fabric (SY)	\$ 5.72	16.00	\$ 91.58
4" Ditch Paving (SY)	\$ 54.65	0.00	\$ -

Erosion Control Total \$ 3,721.04

Construction Cost Total \$ 41,741.73

Traffic Control (8% of Construction Total \$) \$ 3,339.34

Construction Cost Grand Total \$ 45,081.07

Utility Relocation	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Electric				
Aerial	\$ 11.00	\$ 55.00	50.00	\$ 3,300.00
Buried	\$ 16.50	\$ 82.50	0.00	\$ -
Wooden Pole	\$ 82.50	\$ 605.00	2.00	\$ 1,375.00
Phone				
Aerial	\$ 11.00	\$ 27.50	50.00	\$ 1,925.00
Buried	\$ 16.50	\$ 55.00	0.00	\$ -
Wooden Pole	\$ 82.50	\$ 605.00	0.00	\$ -
Cable				
Aerial	\$ 11.00	\$ 27.50	50.00	\$ 1,925.00
Buried	\$ 16.50	\$ 55.00	0.00	\$ -
Wooden Pole	\$ 82.50	\$ 605.00	0.00	\$ -
Gas				
4" main	\$ 16.50	\$ 66.00	0.00	\$ -
Water				
8" main	\$ 16.50	\$ 93.50	50.00	\$ 5,500.00
Relocate Fire Hydrant (EA)		\$ 2,609.22		\$ -
Sewer			0.00	\$ -
12" main	\$ 16.50	\$ 82.50	0.00	\$ -
<b>Utility Relocation Total</b>				<b>\$ 14,025.00</b>

Right of Way (Sq Ft)	Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement	\$ 4.00	2,000.00	\$ 8,000.00
<b>ROW Total</b>			<b>\$ 8,000.00</b>