

General Information		Map	
Project ID			
Street Name	Morning Dove Dr.		
Site Visit Date	5/21/13		
Road Classification	Minor road		
Project Notes			
Urban typical section valley gutter			
Field Notes			
Design (Existing Site Features)			
Existing Road Laneage	2-12'		
Existing Shld Width (paved and grass) (feet)	4'		
Existing Side Slopes	flat		
Existing Guardrail	none		
Depth fm Pavement to Top of Culvert (ft):	2'		
Pipe Type and Size	1-72", 1-84"		
Pipe Condition (1-5) (1 is new)	4		
Condition Notes:			
Pavement Type/Condition	Asphalt/Good		
Environmental Features			
Wetlands	None identified		
Ditches	None		
Utilities (Visual Inspection)			
Electric	Buried		
Cable	Buried		
Phone	Buried		
Gas	Not Sighted		
Water	Buried		
Sewer	Buried		
Other			
Proposed Design			
Roadway Section	Replace in kind. For costing purposes, temporary road consists of 8" gravel fill		
Culvert Size & Material	double 10' x 4' box, concrete, 70' length		
Utility Relocations	Electric, Cable, Phone, Water, Sewer		
Guardrail Replacement	No		
Miscellaneous Features			
Planning Cost Estimate			
Type	Notes	Total	
Design	Includes 10% Construction Cost and surveying needs	\$22,779	
Right of Way Cost	Assuming project does not extend beyond ROW	\$0	
Utility Relocation Cost	Buried utilities	\$33,825	
Construction Cost	Assuming 1/10 acre clearing and grubbing	\$177,785	
Environmental Permits	Assuming minimal environmental permitting required	\$10,000	
Total Planning Estimate		\$244,389	



Photo 1:



Photo 2:

130 Morning Dove Drive

Photo Date:

5/17/1013

Taken By:

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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	528.00	\$ 2,959.62
Curb and Gutter (LF)	\$ 28.56	\$ 30.60	44.00	\$ 2,603.04
Drain Inlet (EA)		\$ 3,000.00	0.00	\$ -
4" Sidewalk (SY)	\$ 13.56	\$ 36.90	0.00	\$ -
Guardrail (LF)	\$ 4.88	\$ 49.09	0.00	\$ -
End Anchorage (EA)		\$ 1,380.00	0.00	\$ -
Subtotal				\$ 5,562.66

Grading Complete (5% of Rwy Items & Drng Total \$) \$ 6,949.20

Roadway Total \$ 12,511.86

Drainage	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)		\$ 10.38	570.37	\$ 5,920.44
72" CMP (LF)	\$ 54.00		70.00	\$ 3,780.00
84" CMP	\$ 63.00		70.00	\$ 4,410.00
Class A Conc (CY)		\$ 892.19	106.88	\$ 95,357.05
Steel (lb)		\$ 1.42	11,505.00	\$ 16,291.08
Pipe Bedding (CY)		\$ 48.60	58.70	\$ 2,852.82
Trench Backfill (CY)		\$ 2.99	595.60	\$ 1,779.64
Trench Compaction (CY)		\$ 6.36	476.48	\$ 3,030.39

Drainage Total \$ 133,421.43

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 Gravel Road (SY)	\$ 15.42	222.22	\$ 3,426.67
Temporary Drainage (Stream Diversion)	\$ 4,428.00	1.00	\$ 4,428.00

Staging Total \$ 8,880.67

Erosion Control	Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)	\$ 4.39	112.44	\$ 493.86
Temporary Grassing (AC)	\$ 855.60	0.00	\$ -
Type C Silt Fence (LF)	\$ 4.24	420.00	\$ 1,779.12
Check Dam Type C Silt Fence (LF)	\$ 6.79	420.00	\$ 2,852.64
Erosion Control Mats (SY)	\$ 1.87	140.00	\$ 262.08
Landscape Mulch (SY)	\$ 3.58	140.00	\$ 500.64
Perm Grassing (AC)	\$ 1,402.20	0.00	\$ -
Rip Rap Type 3 12" (SY)	\$ 60.98	58.67	\$ 3,577.73
Plastic Filter Fabric (SY)	\$ 5.72	58.67	\$ 335.81
4" Ditch Paving (SY)	\$ 54.65	0.00	\$ -

Erosion Control Total \$ 9,801.87

Construction Cost Total \$ 164,615.83

Traffic Control (8% of Construction Total \$) \$ 13,169.27

Construction Cost Grand Total \$ 177,785.10

Utility Relocation	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Electric				
Aerial	\$ 11.00	\$ 55.00		\$ -
Buried	\$ 16.50	\$ 82.50	75.00	\$ 7,425.00
Wooden Pole	\$ 82.50	\$ 605.00		\$ -
Phone				
Aerial	\$ 11.00	\$ 27.50		\$ -
Buried	\$ 16.50	\$ 55.00	75.00	\$ 5,362.50
Wooden Pole	\$ 82.50	\$ 605.00		\$ -
Cable				
Aerial	\$ 11.00	\$ 27.50		\$ -
Buried	\$ 16.50	\$ 55.00	75.00	\$ 5,362.50
Wooden Pole	\$ 82.50	\$ 605.00		\$ -
Gas				
4" main	\$ 16.50	\$ 66.00		\$ -
Water				
8" main	\$ 16.50	\$ 93.50	75.00	\$ 8,250.00
Relocate Fire Hydrant (EA)		\$ 2,609.22		\$ -
Sewer			0.00	\$ -
12" main	\$ 16.50	\$ 82.50	75.00	\$ 7,425.00
Utility Relocation Total				\$ 33,825.00

Right of Way (Sq Ft)	Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement	\$ 4.00	0.00	\$ -
ROW Total			\$ -