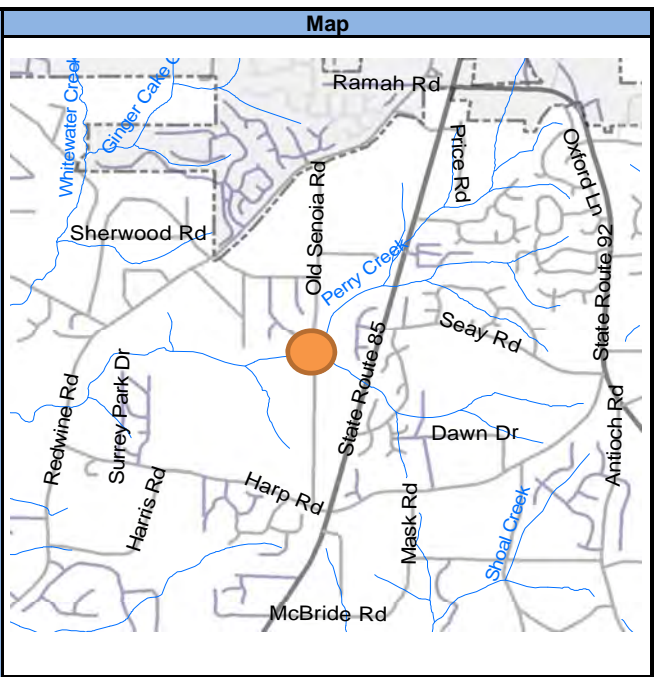


General Information	
Project ID	
Street Name	Old Senoia Road
Site Visit Date	5/21/13
Road Classification	Collector
Project Notes	
Rural Typical Section	
Field Notes	
Design (Existing Site Features)	
Existing Road Laneage	2 - 12'
Existing Shld Width (paved and grass) (feet)	8' (G)
Existing Side Slopes	2:1 to 10:1
Existing Guardrail	None
Depth fm Pavement to Top of Culvert (ft):	3'
Pipe Type and Size	3 - 96" CMP
Pipe Condition (1-5) (1 is new)	3
Condition Notes: Lining deteriorated, but pipes fully functioning; DS drop	
Pavement Type/Condition	Asphalt/New
Environmental Features	
Wetlands	None identified
Ditches	None
Utilities (Visual Inspection)	
Electric	Aerial
Cable	
Phone	Aerial and Buried
Gas	
Water	Buried
Sewer	
Other	



Stage Construction Options	
Close Location to Traffic	X
Maintain One Lane - No Temp Pavement	
Maintain One Lane - Temp Pavement	
Stage Construction Notes: Close Road - access from the South & North	

Proposed Design	
Roadway Section	
Proposed Design	100' prestressed concrete beam bridge, three spans, 43' wide
Utility Relocations	Buried Phone, Watermain
Guardrail Replacement	Proposed Guardrail Installation due to proposed culvert(s) and side slopes
Miscellaneous Features	Zone AE with Floodway, Floodplain Analysis Required

Planning Cost Estimate		
Type	Description	Total
Design	bridge design and geotech (BFI) included	\$140,949.73
Right of Way Cost		\$12,000.00
Utility Relocation Cost		\$26,125.00
Construction Cost		\$459,497.27
Environmental Permits	environmental(bridge), floodplain analysis	\$30,000.00

Total Planning Estimate	\$668,572.00
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Photo 1:



Photo 2:

Old Senoia Road

Photo Date:

5/21/2013

Taken By:

David King

Page:

1 of 2



Photo 1



Photo 2

Old Senoia Road

Photo Date:

12/28/2015

Taken By:

Public Works

Page

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Roadway Construction, Utility Relocation and ROW Quantity Calculations

Roadway Construction	Installation Unit Cost	Amount	Total Cost
Pavement			\$ 6,522.69
Curb and Gutter (LF)	\$ 27.50		\$ -
4" Sidewalk (SY)	\$ 49.50		\$ -
Guardrail (LF)	\$ 57.20	650	\$ 37,180.00
End Anchorage (EA)	\$ 2,530.00	2	\$ 5,060.00
Subtotal			\$ 48,762.69

Grading Complete (5% of Rwy Items & Drng Total \$) \$ 22,863.13

Roadway Total \$ 71,625.83

Drainage	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Class A Conc (cy)		\$ 698.50	0	\$ -
Steel (lb)		\$ 1.38	0	\$ -
Type 2 Back Fill (cy)		\$ 60.50	0	\$ -

Bridge Cost (total) \$ 408,500.00

Drainage Total \$ 408,500.00

Signing and Marking	Installation Unit Cost	Amount	Total Cost
Permanent Striping			\$ 500.00

Signing and Marking Total \$ 500.00

Staging	Aerial	Installation Unit Cost	Amount	Total Cost
Temporary Pavement				\$0
Temporary Drainage (Stream Diversi Aerial and Buried		\$ 10,000.00	1	\$ 10,000.00

Staging Total Buried \$10,000

Erosion Control	Installation Unit Cost	Amount	Total Cost
Temporary Grassing (AC)	\$ 418.00	0.15	\$ 62.70
Silt Fence (LF) 100' prestressed cor	\$ 5.50	250	\$ 1,375.00
Check Dam Type C Silt Fence (LF)	\$ 4.40	200	\$ 880.00
Erosion Control Mats (SY)	\$ 2.75	225	\$ 618.75
Mulch (TN)	\$ 286.00	1.5	\$ 429.00
Perm Grassing (ac)	\$ 9.90	0.1	\$ 0.99
Rip Rap (SY)	\$ 66.00	50	\$ 3,300.00
Plastic Filter Fabric (SY)	\$ 6.60	50	\$ 330.00
4" Ditch Paving (SY)	\$ 33.00		\$ -

Erosion Control Total \$ 6,996.44

Utility Relocation	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Electric				
Aerial	\$ 11.00	\$ 55.00	100	\$ 6,600.00
Buried	\$ 16.50	\$ 82.50	0	\$ -
Wooden Pole	\$ 82.50	\$ 605.00	2	\$ 1,375.00
Phone				
Aerial	\$ 11.00	\$ 27.50	0	\$ -
Buried	\$ 16.50	\$ 55.00	100	\$ 7,150.00
Wooden Pole	\$ 82.50	\$ 605.00		\$ -
Cable				
Aerial	\$ 11.00	\$ 27.50		\$ -
Buried	\$ 16.50	\$ 55.00	0	\$ -
Wooden Pole	\$ 82.50	\$ 605.00		\$ -
Gas				
4" main	\$ 16.50	\$ 66.00		\$ -
Water				
8" main	\$ 16.50	\$ 93.50	100	\$ 11,000.00
Sewer				
12" main	\$ 16.50	\$ 82.50	0	\$ -

Utility Relocation Total \$ 26,125.00

Right of Way (Sq Ft)	Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement	\$ 2.00	6000	\$ 12,000.00

Construction Cost Total \$ 497,622.27

Traffic Control (6% of Construction Total \$) \$ 29,857.34

Construction Cost Grand Total \$ 527,479.61