

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**TE PROJECT CONCEPT REPORT**

**GDOT P.I. Number: 0010678**

**COUNTY: Forsyth**

**FEDERAL FUNDS: \$500,000      MATCHING FUNDS: \$125,000**

**PROPOSED CONSTRUCTION START DATE: November 2014**

**PROJECT SPONSOR: Forsyth County**

**CONTACT PERSON: Tim Allen, Assistant Director of Engineering,  
770-781-2165**

**Date of Report:** September 28, 2012

**The undersigned have reviewed the concept report:**

\_\_\_\_\_  
**Date      District Engineer**

\_\_\_\_\_  
**Date      State Environmental Administrator**

\_\_\_\_\_  
**Date      State Traffic Engineer**

\_\_\_\_\_  
**Date      State Transportation Planning Administrator**

This project concept is contained in the Regional Transportation Program (RTP) and/or in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTP and/or STIP.

(Information copies have been provided to the following offices: Engineering Services, Maintenance, Road Design, Urban Design, Bridge Design, and Right-of-Way. Their comments are welcomed.)

TE PROJECT COMMON NAME: CR 53/Shiloh; CR 458/McFarland & CR 9853/Shiloh East @ 3 Locations

TE PROJECT LOCATION: McFarland Road from Ronald Reagan Boulevard east to Shiloh Road; Shiloh Road north to Shiloh Road East; Shiloh East to Yorkridge Drive. The entire project is located within Forsyth County.

TE PROJECT CONCEPT: Installation of approximately 2.48 miles of sidewalk improvements to McFarland Road from Ronald Reagan Boulevard east to Shiloh Road; Shiloh Road north to Shiloh Road East; Shiloh Road East to Yorkridge Drive. Five foot sidewalks are proposed on the west shoulder of McFarland Road and on the north/west shoulder of Shiloh Road/Shiloh Road East. These sidewalks will provide pedestrian access and connectivity along these roads from residential neighborhoods to the Forsyth County Big Creek Greenway Trail. In addition, a 2.5 foot curb and gutter section will be added to the west side of McFarland Road starting at the Greenway Access and extending south for approximately 1120 feet to the intersection of McFarland Road with Shiloh Road. Additional drainage structures will be added as needed to the new curb and gutter section. A small 60 square yard concrete island for pedestrian refuge is proposed at the intersection of Shiloh Road and Corporate Court.

Minor right-of-way and easements will be required where the shoulder width will vary slightly to avoid large utility vaults and trees along Shiloh Road and Shiloh Road East but are not anticipated along McFarland Road. Due to the number of utilities and trees through this section, a varying grass width would be used along with a meandering sidewalk. No lane configurations or parking modifications are anticipated for this project. Pedestrian lights, landscaping and irrigation will not be needed for this project. The project design will conform to the provisions of the Americans with Disabilities Act. The posted speed limit on McFarland Road is 45 mph and on Shiloh Road and Shiloh Road East is 35 mph. Utility relocations and adjustments to water valves and fire hydrants are anticipated along Shiloh Road and Shiloh Road East.

If the cost of the project exceeds the TE granted funds then the remaining cost of the project will be the responsibility of Forsyth County.

#### PROPOSED TYPICAL SECTION:

12 foot urban shoulder with 5 foot concrete sidewalk with 2 foot grassed strip and 2.5 foot graded shoulder behind the 2.5 foot existing curb along McFarland Road, Shiloh Road and Shiloh Road East.

12 foot urban shoulder with proposed 2.5 foot curb and gutter, 2 foot grassed strip, 5 foot sidewalk, and 2.5 foot graded shoulder along the current rural shoulder of McFarland Road from the Big Creek Greenway Access to the intersection of McFarland Road with Shiloh Road.

9 foot shoulder with 6 foot raised sidewalk and 3 foot buffer on bridge along McFarland Road over Big Creek and the Forsyth County Greenway

RIGHT-OF-WAY OR EASEMENTS REQUIRED: Yes

NUMBER OF PARCELS: 14

MAJOR STRUCTURES: Proposed sidewalk added on existing roadway bridge on McFarland Road over Big Creek and the Forsyth County Greenway

PERMITS REQUIRED: Section 404 Nationwide

LEVEL OF ENVIRONMENTAL ANALYSIS: CATEGORICAL EXCLUSION

SECTION 4(f)/SECTION 106 INVOLVEMENT: No

OTHER KNOWN OR SUSPECTED ENVIRONMENTAL ISSUES: None

LEVEL OF PUBLIC INVOLVEMENT: None Anticipated

DESIGN STANDARDS TO BE USED: AASHTO, GDOT, ADA

DESIGN VARIANCES/EXCEPTIONS REQUIRED: None

PROPRIETARY ITEMS REQUEST: No

PEDESTRIAN LIGHTING: None

LANDSCAPING: None

IRRIGATION: None

OTHER GDOT PROJECTS IN IMMEDIATE VICINITY OF THE PROJECT: None

CONCEPT TEAM MEETING HELD AND PERSONS PRESENT: None

FIELD REVIEW HELD: No

RAILROAD INVOLVEMENT: None

UTILITIES:

Electric – Georgia Power – No relocations

Telephone – AT&T – No relocations

Fiber Optic – MCI, AT&T – No relocations

Cable – Comcast – No Relocations

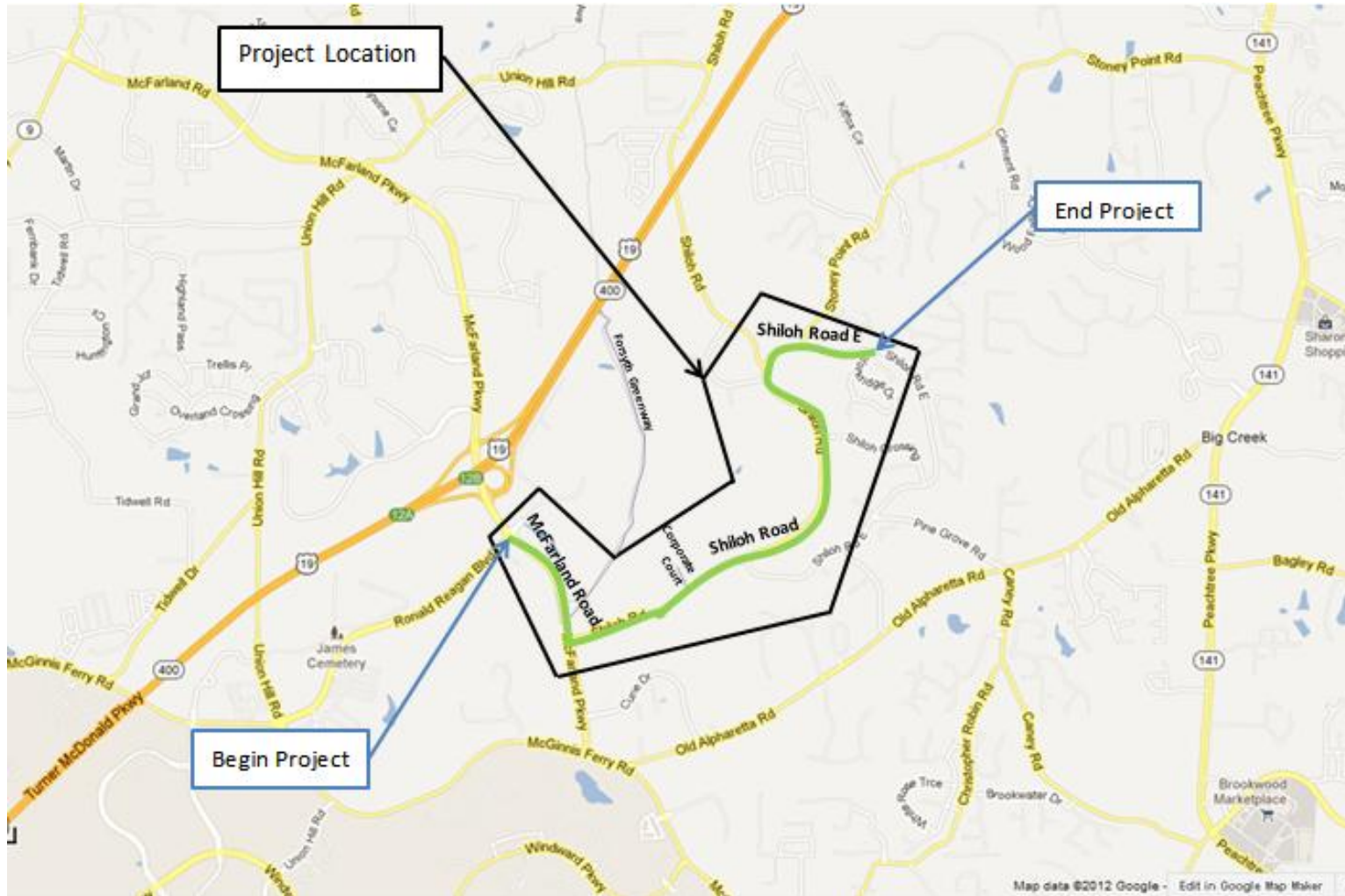
Sewer – Forsyth County – No Relocations

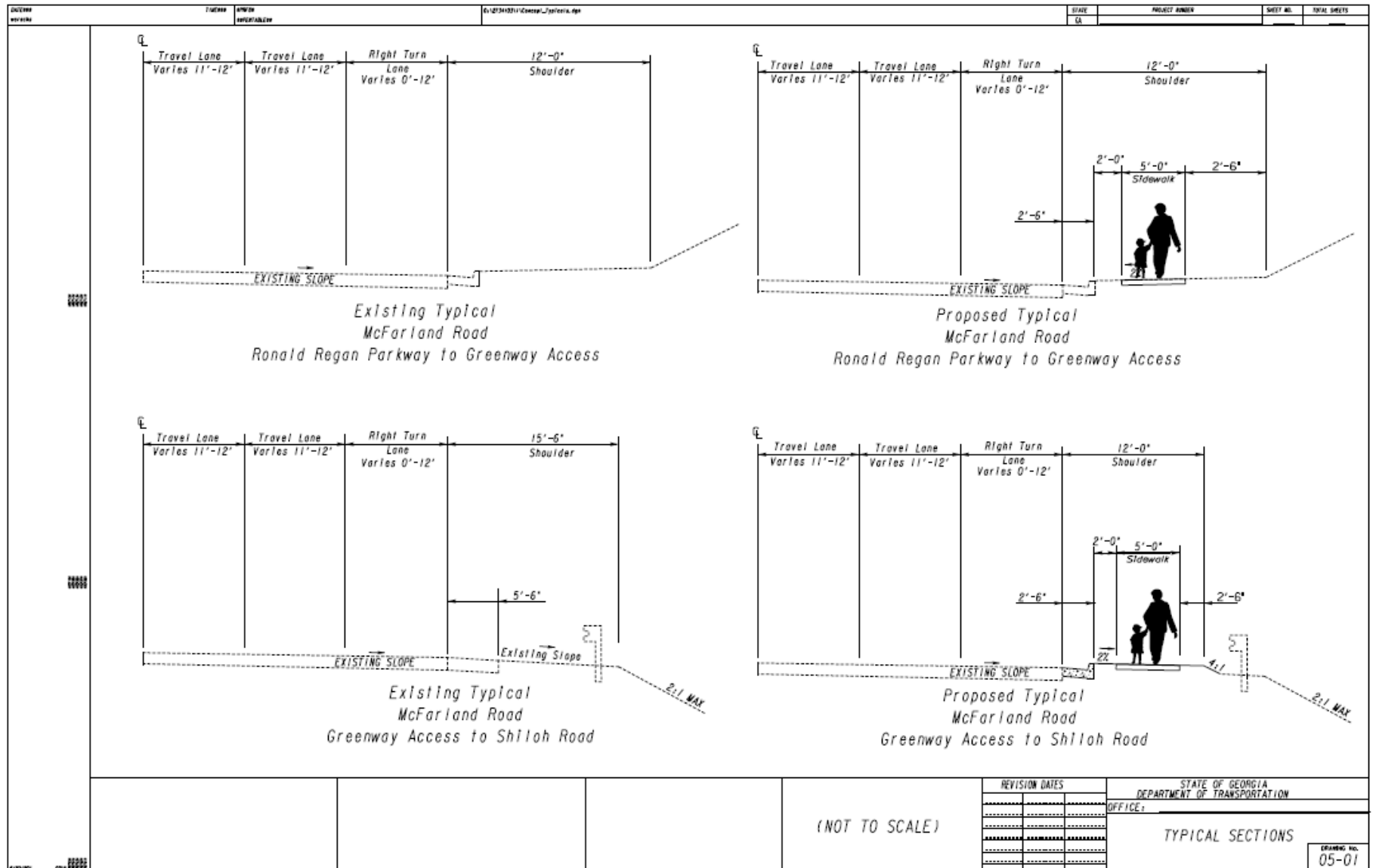
Water – Forsyth County – Possible water valve fire hydrant relocation (Responsibility of Sponsor)

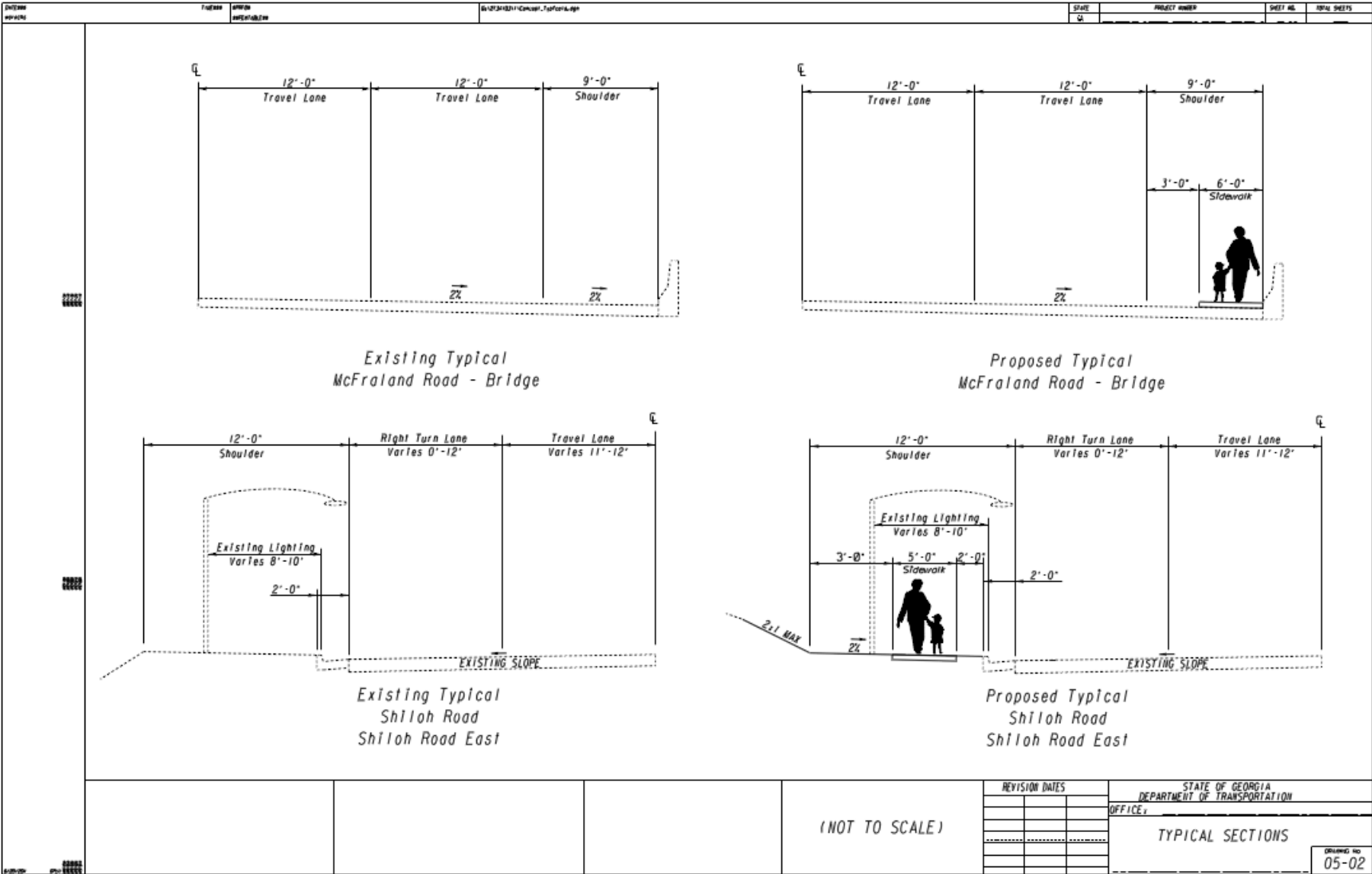
ATTACHMENTS: Project Area Location Map, Project Layout, Existing and Proposed Typical Sections, Cost Estimate, Notice of Location and Design Approval

# Project Area Map

P.I. 0010678







# Cost Estimate

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## TE Eligible

Item #	Description and Unit	Quantity	With 10%	Cost per Unit	Total Cost
150-1000	Traffic Control (LS)	1	1	\$30,000	\$ 30,000.00
210-0100	Grading Complete (LS)	1	1	\$55,000	\$ 55,000.00
310-1101	Graded Aggregate Base, Incl Matl (TN)	187	206	\$30	\$ 6,171.00
441-0100	Concrete Sidewalk, 4in (SY)	6159	6775	\$35	\$ 237,139.00
441-0748	Concrete Median, 6in (SY)*	56	62	\$41	\$ 2,526.00
441-6222	Curb and Gutter, 8"x30" TP2 (LF)	961	1057	\$15	\$ 15,857.00
441-0106	Concrete Sidewalk, 6in (SY)**	143	158	\$41	\$ 6,465.00
441-0301	Concrete Spillway, Type 1 (EA)	4	4	\$1,742	\$ 6,968.00
603-2180	Stone Dumped Rip Rap, TP 1, 12in (SY)	50	55	\$60	\$ 3,300.00
163-0000	Sec 163 Misc Erosion Control Item (LS)	1	1	\$100,000	\$ 100,000.00
636-0000	Sec 636 Highway Signs (LS)	1	1	\$5,000	\$ 5,000.00
653-0000	Sec 653 Thermo Traffic Striping (LS)	1	1	\$5,000	\$ 5,000.00
	Preliminary Engineering	1	1	\$69,961	\$ 69,961.00
	Construction Engineering & Inspection	1	1	\$5,000	\$ 5,000.00
	Right-of-Way	1	1	\$55,000	\$ 55,000.00

\* For Pedestrian Refuge Island

Grand Total

\$603,387.00

\*\* For Bridge Raised Sidewalk

## Not TE Eligible (Responsibility of Sponsor)

	Description and Unit	Quantity	With 10%	Cost per Unit	Total Cost
	Reimbursable Utilities	1	1	\$20,000	\$ 20,000.00

Grand Total

\$20,000.00

# NOTICE OF LOCATION AND DESIGN APPROVAL

## ***FORSYTH COUNTY***

### ***P. I. 0010678***

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is *(To be inserted by the Sponsor (or his designee) after concept approval.)*

*Installation of approximately 2.48 miles of sidewalk improvements to McFarland Road east of Ronald Reagan Boulevard, Shiloh Road and Shiloh Road East to Yorkridge Drive. These sidewalks will provide pedestrian access and connectivity along these roads from residential neighborhoods to the Forsyth County Big Creek Greenway Trail. Minor right-of-way and easements will be required along Shiloh Road and Shiloh Road East but are not anticipated along McFarland Road. All potential right-of-way and easements along Shiloh Road and Shiloh Road East will be in the 2<sup>nd</sup> Land District and in Land Lots 912, 913, 841 or 816.*

*The construction along McFarland Road will consist of adding a 5 foot sidewalk and 2 foot grass strip behind the existing curb and gutter from Ronald Reagan Blvd to the Forsyth Greenway Access Drive. A 12 foot urban shoulder with 30 inch curb and gutter, 2 foot grass strip and 5 foot sidewalk will be installed from the Forsyth Greenway Access Drive to the Shiloh Road Intersection which will include adding a raised 6 foot concrete sidewalk to the existing bridge shoulder. The pedestrian facilities at the McFarland Road/Shiloh Road intersection will be reconstructed to meet ADA standards. Along Shiloh Road and Shiloh Road East, a 5 foot concrete sidewalk would be constructed behind the existing curb. Due to the number of utilities and trees through this section, a varying grass width would be used along with a meandering sidewalk.*

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the *Sponsor's municipal office*:

*Forsyth County Engineering Department  
Tim Allen, Assistant Director of Engineering  
TLAllen@forsythco.com  
110 East Main Street, Suite 120  
Cumming, GA 30040  
770-781-2165*

*Or from:  
Georgia Department of Transportation  
Office of Program Delivery  
[teprogram@dot.state.ga.us](mailto:teprogram@dot.state.ga.us)*

Any written request or communication in reference to this project or notice should include the Project and P. I. Numbers as noted at the top of this notice.