

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. # 0012881 **OFFICE** Design Policy & Support
Fulton County
GDOT District 7 - Metro Atlanta **DATE** February 29, 2016
Cogburn Road; Bethany Bend
& Windward Parkway @ 3 Locations
Multi-Use Trail & Streetscape Improvements

FROM  *Kim Pullias*
for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Lee Upkins, State Utilities Engineer
Richard Cobb, Statewide Location Bureau Chief
Kathy Zahul, District Engineer
Scott Lee, District Preconstruction Engineer
Nicholas Fields, District Utilities Engineer
Timothy Evans, Project Manager
BOARD MEMBER - 6th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
LIMITED SCOPE PROJECT CONCEPT REPORT**

Project Type: Enhancement P.I. Number: 0012881
 GDOT District: 7 County: Fulton
 Federal Route Number: N/A State Route Number: N/A
 Project Number: N/A

A 10' wide multi-use trail from the intersection of Cogburn Road and Bethany Road, following Cogburn Road, Webb Road, Deerfield Parkway, Westside Parkway, and Webb Bridge Road. The trail connects the City of Milton to the Big Creek Greenway access along Webb Bridge Road.

Submitted for approval: Andrew D. Kohr 1/15/16
 Andrew Kohr (Stantec)
 Consultant Designer & Firm Date
 Sara Leaders (City of Milton) Sara Leaders 1/15/16
 Local Government Sponsor Date
Albert V. Shelby III 2-3-16
 State Program Delivery Engineer Date
Kim Evans PBE 2/1/16
 GDOT Project Manager Date

Recommendation for approval:
 * Eric Duff/KLP 2-6-16
 State Environmental Administrator Date
 * Ken Werho/KLP 2-5-16
 State Traffic Engineer Date
 * Bill DuVall/KLP 2-11-16
 State Bridge Engineer Date

- MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).
- Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

Cynthia L. Vande 2-9-16
 State Transportation Planning Administrator Date

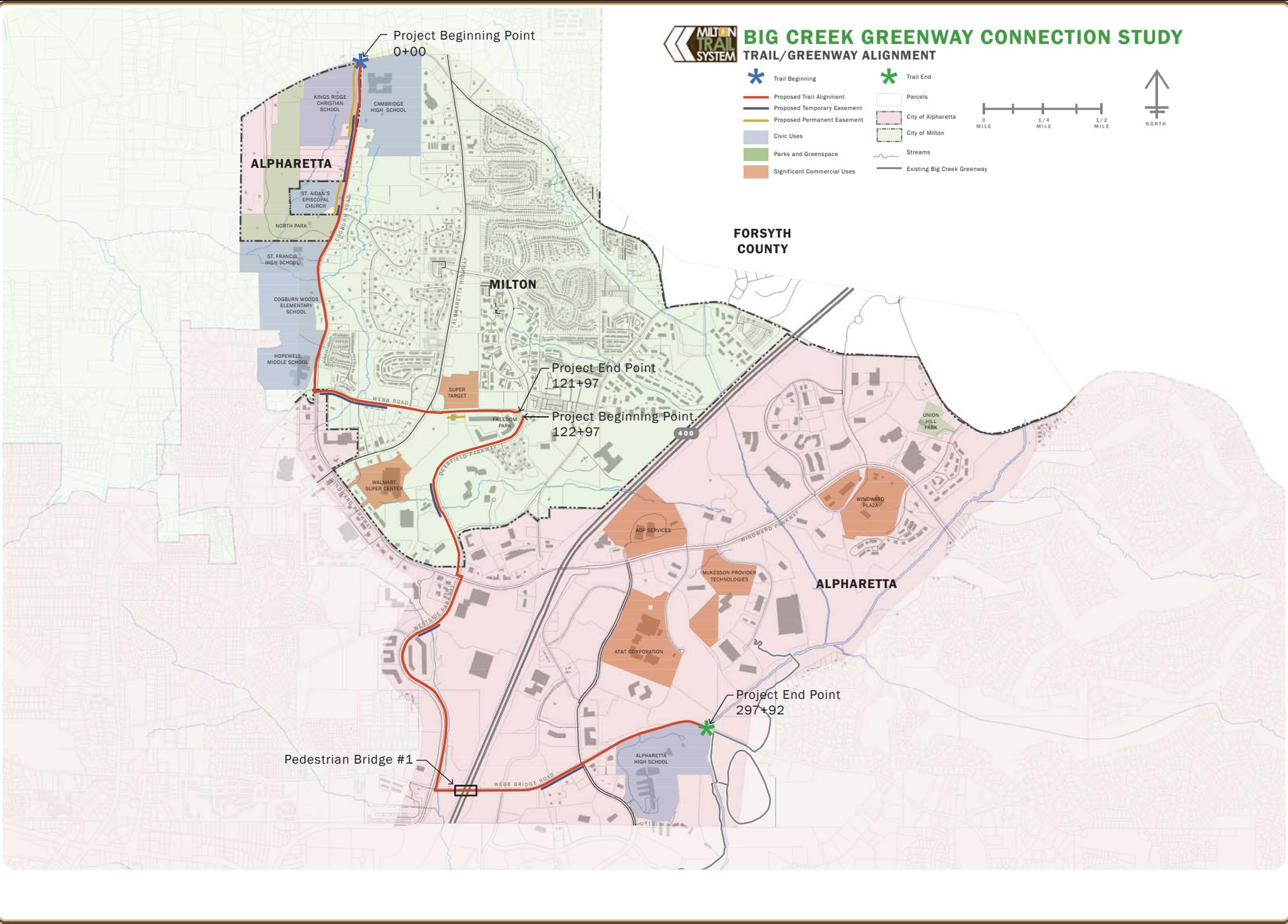
Approval:
 Concur: Phil Bittel 2-17-16
 GDOT Director of Engineering Date

Approve: Margaret B. Pirkle 2-23-16
 GDOT Chief Engineer Date



BIG CREEK GREENWAY CONNECTION STUDY TRAIL/GREENWAY ALIGNMENT

- Trail Beginning
- Trail End
- Proposed Trail Alignment
- Proposed Temporary Easement
- Proposed Permanent Easement
- Civic Uses
- Parks and Greenspace
- Significant Commercial Uses
- Parcels
- City of Alpharetta
- City of Milton
- Streams
- Existing Big Creek Greenway



Pedestrian Bridge #1

Project Beginning Point
0+00

Project End Point
121+97

Project Beginning Point
122+97

FORSYTH COUNTY

ALPHARETTA

Project End Point
297+92

ALPHARETTA

MILTON

PLANNING & BACKGROUND DATA

Project Justification Statement: The project proposes a multimodal trail/greenway connecting the communities of Milton and Alpharetta (utilizing the existing Big Creek Greenway) with the surrounding businesses and neighborhoods. The Cities of Milton and Alpharetta and the North Fulton Community Improvement District (NFCID) received a grant to study the possible connections from Milton to the Big Creek Greenway system. This joint project was intended to enhance the alternative transportation and recreation options available to citizens, businesses and visitors to the area. It would provide access to bicyclists and pedestrians for recreational purposes as well as commute trip-making.

Existing conditions: The Big Creek Greenway Connector trail follows five roadways linking residents, institutions, and commercial businesses in Milton to the Big Creek Greenway. The proposed trail would connect six schools, a park, and commercial centers along with providing access to the greenway. The project begins at the southwest corner of Bethany Road/Cogburn Road and proceeds south along Cogburn Road (2 to 4 urban collector with portions of existing sidewalk). The trail crosses Webb Road and continues along the south side of Webb Road (2-lane urban local road with portions of existing sidewalk). The trail follows the west side of Deerfield Parkway (4 lane urban local road with vegetated median and existing sidewalks) until Windward Parkway at which point it crosses to the east side of the road and follows Westside Parkway (4 lane urban local road with vegetated median and existing sidewalks) south to Webb Bridge Road. The trail crosses the south side of the road and follows Webb Bridge Road (2 to 4 lane urban collector street with vegetated medians and existing sidewalks) east of GA 400 to the Big Creek Greenway. This section of the greenway includes a proposed pedestrian only bridge across the GA400.

Other projects in the area: N/A

Description of the proposed project: The trail would be constructed as a 10' – 12' wide multiuse trail. The trail would follow Cogburn Road, Webb Road, Deerfield and Westside Parkways, and Webb Bridge Road until its ending point at the Big Creek Greenway east of Alpharetta High School, as well as through undeveloped areas. The trail would be a hard surface to allow for bicycles as well as pedestrians. Drainage will be designed and accommodated throughout. A majority of the project area includes existing sidewalks. This project would retrofit existing sidewalks to expand the width to 10 to 12 feet wide multi-use trail constructed of concrete. New curb and gutter will be constructed where none currently exists. Intersections and ADA ramps will be upgraded to meet multi-use trail standards. The intersection of Deerfield Parkway and Webb Road has been removed from this project because the City of Milton is already modifying the intersection with local funding. A dedicated pedestrian bridge is proposed on the south side of Webb Bridge Road to accommodate the multi-trail users.

MPO: Atlanta Regional Commission (ARC)

TIP #: FN289

MPO Name Congressional District(s): 5

Federal Oversight: Exempt State Funded Other

Please note: this project does not modify existing traffic operations or roadways. Traffic counts were provided by GDOT, the City of Alpharetta, and the City of Milton.

Cogburn Road

Projected Traffic: AADT 24 HR T: 3%
Current Year (2015): 14,360 Open Year (2019): 15,880 Design Year (2039): 26,270
Traffic Projections Performed by: Stantec

Functional Classification (Mainline): Urban Collector Street

Webb Road

Projected Traffic: ADT 24 HR T: N/A%
 Current Year (2015): 7,380 Open Year (2019): 8,170 Design Year (2039): 13,510
 Traffic Projections Performed by: Stantec

Functional Classification (Mainline): Urban Local Road

Deerfield Parkway

Projected Traffic: ADT 24 HR T: N/A%
 Current Year (2015): 14,970 Open Year (2019): 16,560 Design Year (2039): 27,400
 Traffic Projections Performed by: Stantec

Functional Classification (Mainline): Urban Local Road

Westside Parkway

Projected Traffic: ADT 24 HR T: N/A%
 Current Year (2015): 9,450 Open Year (2019): 10,450 Design Year (2039): 17,290
 Traffic Projections Performed by: Stantec

Functional Classification (Mainline): Urban Local Road

Webb Bridge Road

Projected Traffic: AADT 24 HR T: N/A%
 Current Year (2015): 14,250 Open Year (2019): 15,760 Design Year (2039): 26,090
 Traffic Projections Performed by: Stantec

Functional Classification (Mainline): Urban Collector Street

Complete Streets - Bicycle, Pedestrian, and/or Transit Standards Warrants:

Warrants met: None Bicycle Pedestrian Transit

Pavement Evaluation and Recommendations

Preliminary Pavement Evaluation Summary Report Required? No Yes
 Preliminary Pavement Type Selection Report Required? No Yes
 Feasible Pavement Alternatives: HMA PCC HMA & PCC

DESIGN AND STRUCTURAL

Description of Proposed Project: Project includes the construction of a single pedestrian bridge. Please note: Bridge shall be designed in accordance with ASSHTO LRFD Specifications. Design Live Load shall be greater H-10 Design Truck or pedestrian live load as defined by AASHTO LRFD Design Specifications.

Major Structures:

Structure ID	Existing	Proposed
Pedestrian Bridge 1 (See Attachment 1)	No pedestrian bridge exists. Current Webb Bridge Road Bridge has insufficient pedestrian and bike facilities with existing constraints to allow for use.	320' concrete and steel pedestrian bridge with concrete abutments and 2 spans. Bridge located south of Webb Bridge Road.

Mainline Design Features: Cogburn Road

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes (Roadway – no change)	2-4	2-4	2-4
- Lane Width(s) (Roadway- no change)	12'	12'	12'
- Trail	N/A	10' min.	10' + 12'
- Sidewalks	0'-8' on both sides	5'	Trail on west side, 0-8' on east side
- Auxiliary Lanes (Roadway – no change)	12'	12'	12'
Posted Speed (Roadway – no change)	40		40
Pavement Type (Roadway – no change)	HMA	HMA	HMA
Pavement Type - Trail	N/A	Varies	PCC
Cross Slope - Trail	N/A	2% max	2%
Longitudinal Slope - Trail	N/A	Varies	5%

*According to current GDOT design policy and AASHTO Guide for the Design of Bicycle Facilities if applicable

Mainline Design Features: Webb Road

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes (Roadway – no change)	2	2	2
- Lane Width(s) (Roadway- no change)	11'-12'	12'	11'-12'
- Trail	N/A	10' min.	10' = 12'
- Sidewalks	0'-6' on both sides	5'	Trail on south side, 0-6' on north side
- Auxiliary Lanes (Roadway – no change)	11'-12'	12'	11'-12'
Posted Speed (Roadway – no change)	35		35
Pavement Type (Roadway – no change)	HMA	HMA	HMA
Pavement Type - Trail	N/A	Varies	PCC
Cross Slope - Trail	N/A	2% max	2%
Longitudinal Slope - Trail	N/A	Varies	5%

*According to current GDOT design policy and AASHTO Guide for the Design of Bicycle Facilities if applicable

Mainline Design Features: Deerfield Parkway

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes (Roadway – no change)	4	4	4
- Lane Width(s) (Roadway- no change)	12'	12'	12'
- Median Width & Type (Roadway – no change)	6'-20' raised median	24' raised	6'-20' raised median
- Trail	N/A	10' min.	10'-12'
- Sidewalks	5' on east side, 5'-10' on west side	5'	Trail on west side, 5' on east side
- Auxiliary Lanes (Roadway – no change)	12'	12'	12'
Posted Speed (Roadway – no change)	35		35
Pavement Type (Roadway – no change)	HMA	HMA	HMA
Pavement Type - Trail	N/A	Varies	PCC
Cross Slope - Trail	N/A	2% max	2%
Longitudinal Slope - Trail	N/A	Varies	5%

TE

*According to current GDOT design policy and AASHTO Guide for the Design of Bicycle Facilities if applicable

Mainline Design Features: Westside Parkway

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes (Roadway – no change)	4	4	4
- Lane Width(s) (Roadway- no change)	12'	12'	12'
- Median Width & Type (Roadway – no change)	6'-20' raised median	24' raised	6'-20' raised median
- Trail	N/A	10' min.	10'-12'
- Sidewalks	5'-10' on east side, 0'-5' on west side	5'	Trail on east side, 0'-5' on west side
- Auxiliary Lanes (Roadway – no change)	12'	12'	12'
Posted Speed (Roadway – no change)	35		35
Pavement Type (Roadway – no change)	HMA	HMA	HMA
Pavement Type - Trail	N/A	Varies	PCC
Cross Slope - Trail	N/A	2% max	2%
Longitudinal Slope - Trail	N/A	Varies	5%

TE

*According to current GDOT design policy and AASHTO Guide for the Design of Bicycle Facilities if applicable

Mainline Design Features: Webb Bridge Road

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes (Roadway – no change)	2-4	2-4	2-4
- Lane Width(s) (Roadway- no change)	10'-12'	12'	10'-12'
- Median Width & Type (Roadway – no change)	3'-20' raised median	24' raised	3'-20' raised median
- Trail	N/A	10' min.	10' - 12'
- Sidewalks	5' on north side, 0-5' on south side	5'	Trail on south side, 5' on north side
- Auxiliary Lanes (Roadway – no change)	12'	12'	12'
Posted Speed (Roadway – no change)	40		40
Pavement Type (Roadway – no change)	HMA	HMA	HMA
Pavement Type - Trail	N/A	Varies	PCC
Cross Slope - Trail	N/A	2% max	2%
Longitudinal Slope - Trail	N/A	Varies	5%

(TE)

*According to current GDOT design policy and AASHTO Guide for the Design of Bicycle Facilities if applicable

Major Interchanges/Intersections:

- Cogburn Road/Bethany Bend Road
- Cogburn Road/Webb Road
- Webb Road/Alpharetta Highway
- Deerfield Parkway/Windward Parkway
- Westside Parkway/Webb Bridge Road
- Webb Bridge Road/North Point Parkway

Lighting required: No Yes

Transportation Management Plan [TMP] Required: No Yes
 If Yes: Project classified as: Non-Significant Significant
 TMP Components Anticipated: TTC TO PI

Will Context Sensitive Solutions procedures be utilized? No Yes
 Design elements will match aesthetic standards

Design Exceptions to FHWA/AASHTO controlling criteria anticipated: N/A

Design Variances to GDOT Standard Criteria anticipated: Lateral offset to Obstruction for existing utility poles and existing fencing that will not be moved during construction.

UTILITY AND PROPERTY

Temporary State Route Needed: No Yes Undetermined

Railroad Involvement: N/A

Utility Involvements:

- Sawnee EMC
- Georgia Power
- AGL
- Comcast
- AT&T
- Fulton County Water and Sewer

SUE Required: No Yes

Public Interest Determination Policy and Procedure recommended? No Yes

Right-of-Way: Existing width: 50-125 ft. Proposed width: 50-125 ft.
Required Right-of-Way anticipated: No Yes Undetermined
Easements anticipated: None Temporary Permanent Utility Other

Anticipated total number of impacted parcels:	<u>20</u>
Displacements anticipated:	Businesses: <u>10</u>
	Residences: <u>10</u>
	Other: <u>N/A</u>
Total Displacements:	<u>0</u>

ENVIRONMENTAL AND PERMITS

Anticipated Environmental Document:

GEPA: NEPA: CE PCE

MS4 Compliance – Is the project located in an MS4 area? No Yes

Environmental Permits, Variances, Commitments, and Coordination anticipated:

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? No Yes
Is the project located in an Ozone Non-attainment area? No Yes
Carbon Monoxide hotspot analysis: Required Not Required TBD

NEPA/GEPA Comments & Information:

Ecology

The project study area contains a number of jurisdictional wetlands and open waters. Depending on the impacts associated with the construction of the proposed project, a Section 404 wetlands permit (either Nationwide or Individual – depending on impact severity/type) could be required consistent with the requirements of the Clean Water Act. In addition, impacts associated with the state-mandated buffers to any state waters could require a stream buffer variance.

Additionally as a part of the environmental screening, the US Fish and Wildlife Service's (USFWS) Information, Planning, and Conservation System (IPaC) and the Georgia Department of Natural Resource (GADNR) websites were consulted for information regarding potential impacts to federally protected species related to implementation of the proposed project. The USFWS IPaC list identifies five species of concern within Fulton County, including the Gulf moccasinshell (*Medionidus penicillus*), oval pigtoe (*Pleurobema*

County: Fulton

pyriforme), purple bankclimber (*Elliptoideus sloatianus*), shinyrayed pocketbook (*Hamiota subangulata*) and the Cherokee darter (*Etheostoma scotti*). The GADNR Fulton County list identifies the federally dwarf sumac, threatened Cherokee darter, shinyrayed pocketbook, and Gulf moccasinshell. Dwarf sumac are found in dry, open, rocky, or sandy woodlands over mafic bedrock with high level of calcium, magnesium, or iron; often on ridges and river bluffs. The wooded areas observed within the screening area could provide suitable habitat for the dwarf sumac. Surveys that are more intensive may identify pockets of suitable habitat for this species. Because perennial streams do occur within the project area, the Gulf moccasinshell, oval pigtoe, purple bankclimber, shinyrayed pocketbook, and the Cherokee darter would be species of concern during project development or construction and surveys of the habitat areas would be required if the proposed trail were to involve crossing of any perennial streams.

History

There are no nationally registered historic sites listed in the vicinity of the project. The survey area was defined by the Milton Multi-Use Trail Connection to Big Creek Greenway Scoping and Concept Study. Sources consulted included the Georgia Natural, Archaeological, and Historic Resources GIS (NAHRGIS) database, Atlanta Regional Commission (ARC) database, National Register of Historic Places listed properties, topographic maps and historic aeriels. No properties 50 years of age or older were identified within the proposed project's APE during the preliminary survey. All resources listed were identified by the NAHRGIS database from surveys conducted in the 1990s. Some of the addresses could not be verified in the Fulton County tax assessor's record. Due to the length of time since this survey, a field survey is recommended to determine whether these properties are still extant.

Archaeology

A total of 13 previously recorded archaeological sites are located within the possible project area. In addition, an existing cemetery is also located within the study area. In addition to archaeological sites recorded in the Georgia Archaeological Site Files database, 14 previous surveys fall within the possible project area. References for these surveys are listed below. Four of these projects include the same project area boundaries and are depicted as overlapping hatched lines (Duff 2007; Gresham 2005; McIntosh 2004; Pietak and Silliman 2007). A separate survey area is interpreted from site forms on file at GASF because no final report exists (Reid 1998).

Air/Noise

Ozone: This project could not be identified within the conforming TIP.

CO: Given the project type (multiuse trail), it is not anticipated that this project would significantly impact CO concentrations and would, therefore, not require a CO hot-spot analysis.

PM2.5: It is anticipated that this project, when evaluated by an interagency group consisting of FHWA, EPA, EPD and the MPO, would be "Exempt" per the Transportation Conformity Rule and thus meet the statutory and regulatory requirements for PM2.5 hotspots without a qualitative analysis.

MSAT: It is anticipated that the proposed project would be classified as a project with No Potential MSAT Effects.

Noise: It is anticipated that this project meets the definition of a Type III project and does not require a noise study or abatement of highway noise impacts.

Public Involvement: PIOH Meeting held on December 2, 2015. A public workshop was held on March 17, 2015.

County: Fulton

COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Project Meetings: Kickoff Meeting (4/3/14); GA Power Coordination Meeting (5/15/14); Initial Concept Team Meeting (8/1/14); Public Workshop (3/17/15) PIOH (12/2/15)

Project Activity	Party Responsible for Performing Task(s)
Concept Development	GDOT Office, Stantec, City of Milton, City of Alpharetta, North Fulton CID
Design	Stantec
Right-of-Way Acquisition	City of Milton
Utility Coordination (Preconstruction)	Utility Owner/Stantec/City of Milton
Utility Relocation (Construction)	Utility Owner/City of Milton
Letting to Contract	Stantec/City of Milton
Construction Supervision	Stantec
Providing Material Pits	Contractor
Providing Detours	Contractor
Environmental Studies, Documents, & Permits	Stantec
Environmental Mitigation	Contractor
Construction Inspection & Materials Testing	Stantec/Contractor

Other coordination to date: N/A

Project Cost Estimate and Funding Responsibilities:

	Scoping	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
Funded by	Federal: 80% Local: 20%	TBD	TBD	TBD	TBD	TBD	
\$ Amount	250,000.00	525,000.00	685,000.00	0.00	4,375,787.63	0.00	\$5,835,787.63
Date of Estimate	12/18/15	12/18/15	12/18/15	12/18/15	12/18/15	12/18/15	

*CST Cost includes: Construction, Engineering and Inspection, Contingencies and Liquid AC Cost Adjustment.

ALTERNATIVES DISCUSSION

Preferred Alternative: Trail alignment runs along Cogburn Road, Webb Road, Deerfield/Westside Parkway, and Webb Bridge Road terminating at Big Creek Greenway access point.			
Estimated Property Impacts:	20	Estimated Total Cost:	\$5,835,787.63
Estimated ROW Cost:	\$685,000.00	Estimated CST Time:	12 months
Rationale: It provided the most direct route while to a more visible access point for the Big Creek Greenway.			

No-Build Alternative: Leave site as is			
Estimated Property Impacts:	0	Estimated Total Cost:	\$0.00
Estimated ROW Cost:	\$0.00	Estimated CST Time:	N/A
Rationale: This would not provide the needed access to the Big Creek Greenway as the project is intended to do.			

Alternative 1: Trail alignment runs along Cogburn Road, Webb Road, Deerfield Parkway, Windward Parkway, and Marconi Drive terminating at the Marconi Drive Trailhead			
Estimated Property Impacts:	28	Estimated Total Cost:	\$7,500,000.00
Estimated ROW Cost:	\$850,000.00	Estimated CST Time:	12-18 months
Rationale: There were significant site constraints at the Windward Parkway/GA 400 underpass because of the planned interchange expansion project.			

LIST OF ATTACHMENTS/SUPPORTING DATA

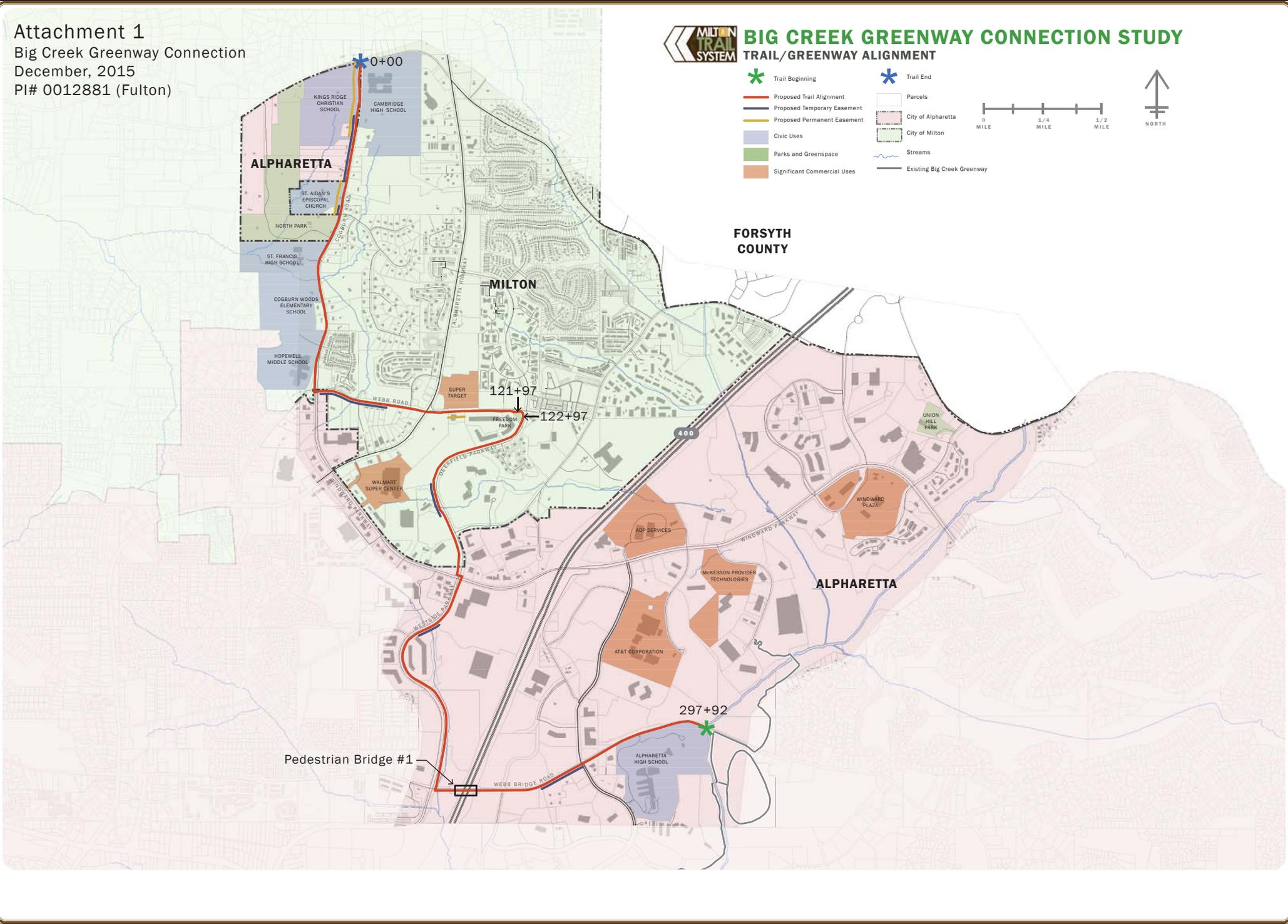
1. Concept Layout
2. Typical sections
3. Cost Estimates
4. Environmental Screening Report
5. Meeting Minutes
 - a. Kickoff Meeting – 4/3/14
 - b. GA Power Meeting – 5/16/14
 - c. Initial Concept Team Meeting – 8/1/14
 - d. Public Workshop – 3/17/15
 - e.
6. PIOH – 12/2/15
7. Concept Team Meeting – 11/5/15

Attachment 1
 Big Creek Greenway Connection
 December, 2015
 PI# 0012881 (Fulton)



BIG CREEK GREENWAY CONNECTION STUDY
TRAIL/GREENWAY ALIGNMENT

- Trail Beginning
- Trail End
- Proposed Trail Alignment
- Proposed Temporary Easement
- Proposed Permanent Easement
- Civic Uses
- Parks and Greenspace
- Significant Commercial Uses
- Parcels
- City of Alpharetta
- City of Milton
- Streams
- Existing Big Creek Greenway

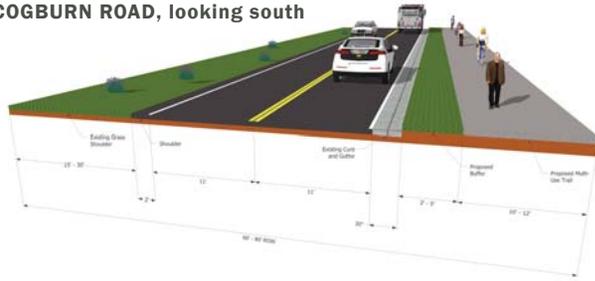




BIG CREEK GREENWAY CONNECTION STUDY CROSS SECTIONS

- Trail Beginning
- Trail End
- Proposed Trail Alignment

COGBURN ROAD, looking south



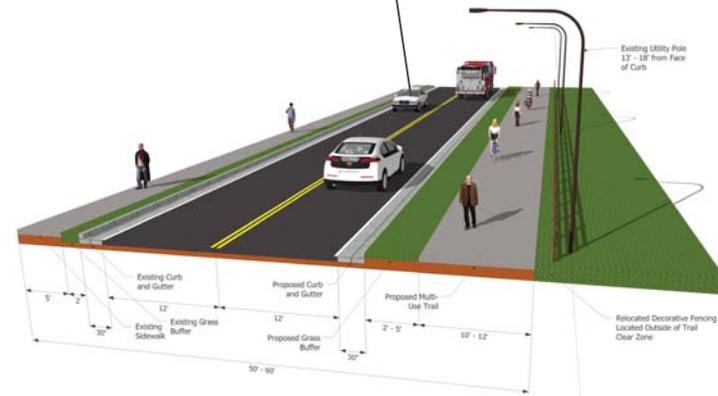
WEBB ROAD, looking east



**DEERFIELD, looking south
 WESTSIDE PARKWAY, looking north**



WEBB BRIDGE ROAD, looking east



**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No.

OFFICE

PROJECT DESCRIPTION

DATE

From:

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER

MGMT LET DATE

MGMT ROW DATE

PROGRAMMED COSTS (TPRO W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

*685,000 Request 2-15-16
Pends approval*

*Cost Contains % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

The project remains in Concept Phase and Detail Designs have not been completed. The contingency accounts for design changes, changes during construction, and increase in construction cost upon letting.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	3,862,125.00	Base Estimate From CES
B. ENGINEERING AND INSPECTION (E & I):	\$	115,863.75	Base Estimate (A) x 3 %
C. CONTINGENCY:	\$	397,798.88	Base Estimate (A) + E & I (B) x 10 % <u>See % Table in "Risk Based Cost Estimation" Memo</u>
D. TOTAL LIQUID AC ADJUSTMENT:	\$		Total From Liquid AC Spreadsheet
E. CONSTRUCTION TOTAL:	\$	4,375,787.63	(A + B + C + D = E)

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
Sawnee EMC	
Georgia Power	
AGL	
Comcast	
AT&T	
Fulton County Water and Sewer	
TOTAL	\$ -

ATTACHMENTS:

PRELIMINARY COST ESTIMATE

0012881 (FULTON)

DATE: 12/21/15

1 DEMOLITION & SITE PREP:				
MOBILIZATION FEE	1	EA	\$10,000.00	\$10,000.00
CLEARING AND GRUBBING	1	AC	\$5,500.00	\$5,500.00
TEMPORARY SILT FENCE	29,000	LF	\$3.00	\$87,000.00
TREE PROTECTION FENCING	300	EA	\$300.00	\$90,000.00
AS-BUILT / RECORD DRAWINGS	1	LS	\$15,000.00	\$15,000.00
EROSION AND SEDIMENT CONTROL	1	LS	\$100,000.00	\$100,000.00
TRAFFIC CONTROL	29,000	LF	\$11.50	\$333,500.00
GRADING COMPLETE	3.3	AC	\$10,000.00	\$33,000.00
DEMOLITION & SITE PREP COST:				\$674,000.00
2 PAVING, CURBING, & UTILITIES:				
30" CONCRETE CURB & GUTTER	8000	LF	\$30.00	\$240,000.00
6" CONCRETE SIDEWALK	145,000	SF	\$8.00	\$1,160,000.00
CROSSWALK STRIPING - 8"	2000	LF	\$28.00	\$56,000.00
ADA RAMP	120	EA	\$1,000.00	\$120,000.00
PEDESTRIAN BRIDGE	1	LF	\$1,500,000.00	\$1,500,000.00
PAVING, CURBING, & UTILITIES COST:				\$2,836,000.00
3 PLANT MATERIAL:				
TURF	145000	SF	\$1.00	\$145,000.00
SHRUBS	500	EA	\$30.00	\$15,000.00
TREES	150	EA	\$300.00	\$45,000.00
PLANT MATERIAL COST:				\$205,000.00
4 OTHER MISCELLANEOUS ITEMS:				
BOLLARDS	10	EA	\$1,000.00	\$10,000.00
BENCHES	15	EA	\$1,000.00	\$15,000.00
TRASH RECEPTACLES	15	EA	\$875.00	\$13,125.00
FENCE RECONSTRUCTION	600	LF	\$150.00	\$90,000.00
MUTCD SIGNAGE	40	EA	\$150.00	\$6,000.00
WAYFINDING AND DIRECTIONAL SIGANGE	20	EA	\$650.00	\$13,000.00
OTHER MISCELLANEOUS ITEMS COST:				\$147,125.00
SUBTOTAL				\$3,862,125.00
E & I INSPECTION				\$115,863.75
20% DESIGN CONTINGENCY				\$795,597.75
10% FE				397,798.88 FE
TOTAL PROJECT COST				\$4,773,586.50

NOTES

1 Pedestrian Bridge including foundations, abutments, etc.

\$4,375,787.63 FE

* Consultant had the contingency too high, for a project like this, the contingency should be 10%. Emailed the consultant on 2/3/16, and he was fine with the new total.

ROW COST ESTIMATE

Date: 12/21/2015 Project: BIG CREEK GREENWAY CONNECTION
 Revised: County: Fulton
 PI: 12881

Description: 10' concrete trail from King's Ridge School to Big Creek Greenway @ Webb Bri
 Project Termini: Cogburn Rd., Webb Rd., Deerfield Pkwy., Westside Pkwy., Webb Bridge Rd.

Existing ROW: 50-125 feet
 Required ROW: 50-125 feet
 Parcels: 20

Land and Improvements _____ \$319,763.34

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$0.00

Valuation Services _____ \$31,250.00

Legal Services _____ \$126,000.00

Relocation _____ \$40,000.00

Demolition _____ \$0.00

Administrative _____ \$167,500.00

TOTAL ESTIMATED COSTS _____ \$684,513.34

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$685,000.00

Preparation Credits	Hours	Signature

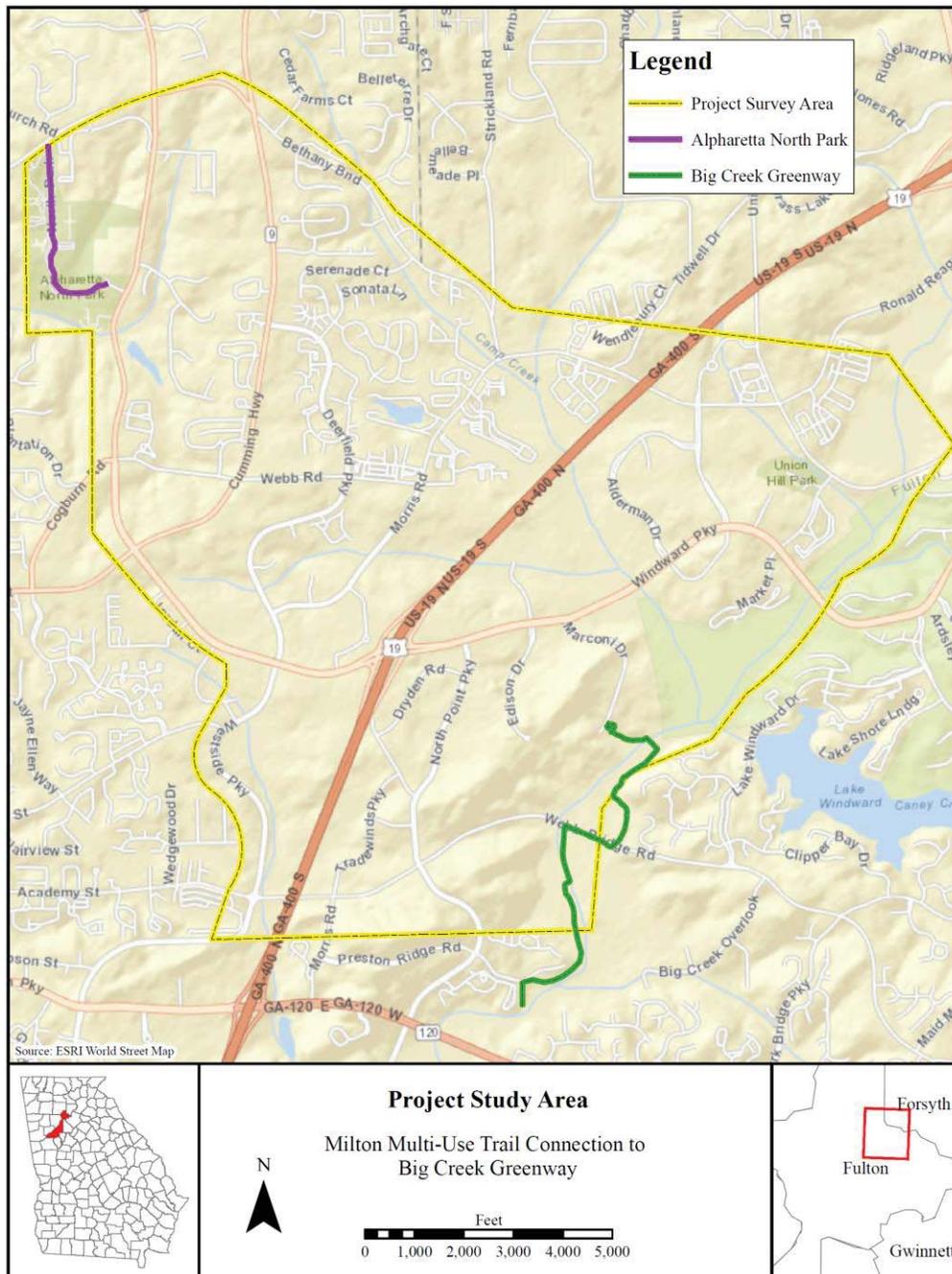
Prepared By: _____ *Andrew D. Kohn* _____ CG#: _____ 12/18/15
 Approved By: _____ CG#: _____ (DATE)

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate

Environmental Screening Survey

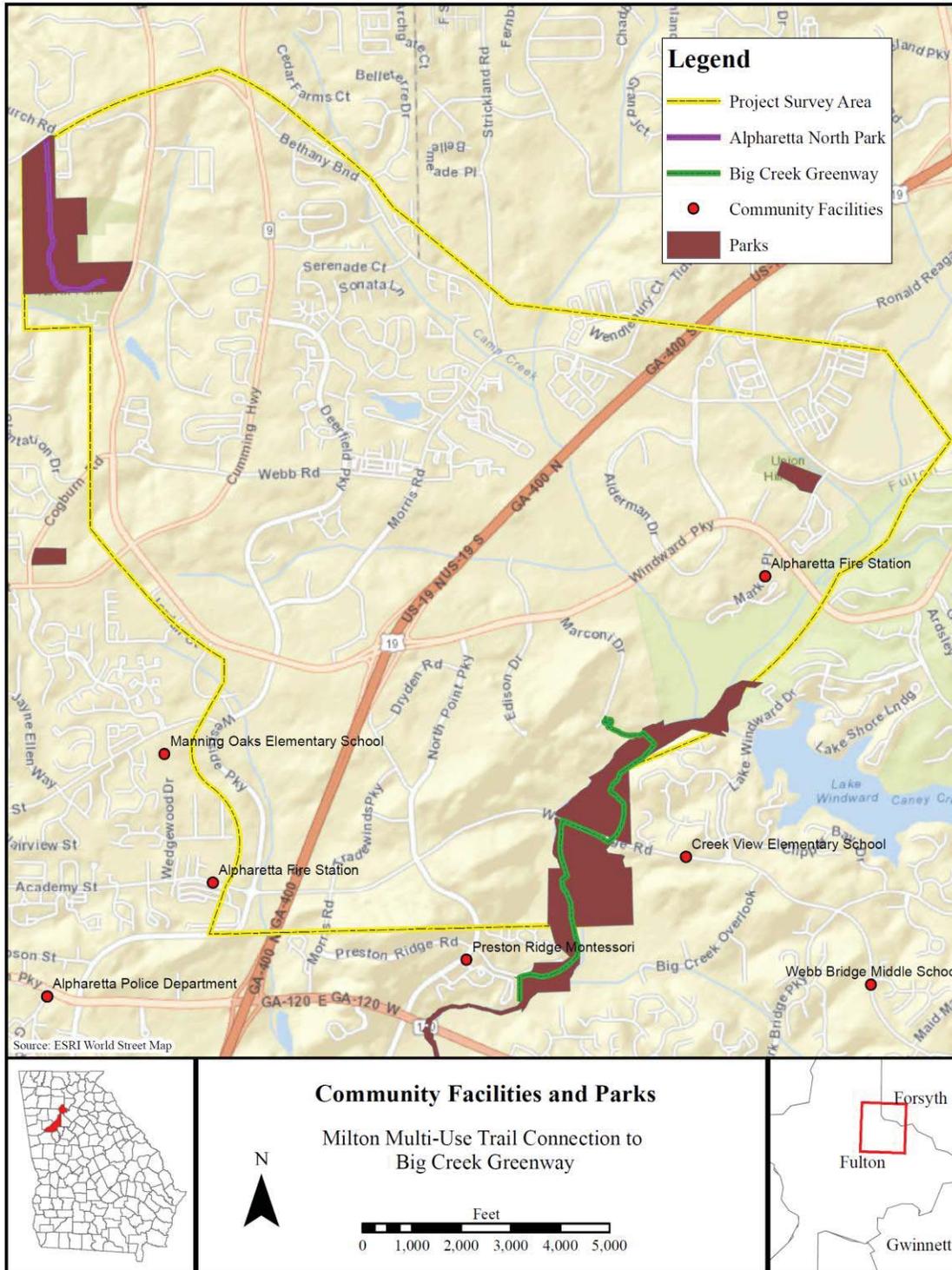
Project Name: Milton Multi-Use Trail Connection to Big Creek Greenway
County: Fulton
Consultant Firms: Edwards-Pitman Environmental, Inc. for Stantec (Urban Places Group)
Date: December 17, 2015

Site Description: The proposed project would connect existing trails in North Fulton County. The project would seek to connect the Milton Multi-Use Trail to the Big Creek Greenway. As a result, the study area associated with the project is relatively large and general and encompasses the area as shown in the figure below.



General Land Use Description:

Given the corridor’s size and location (suburban north Fulton County) the land uses of the study area are highly diverse and include most land uses consistent with a developed environment. Residential development consists of both single family and multifamily dwellings. The study area also contains a number of large office complexes and light industrial/warehouse land use sites. Institutional and recreational land uses (schools, parks, etc.) are also contained within and adjacent to the survey area. Their locations relative to the project study area are provided below.



Ecology:

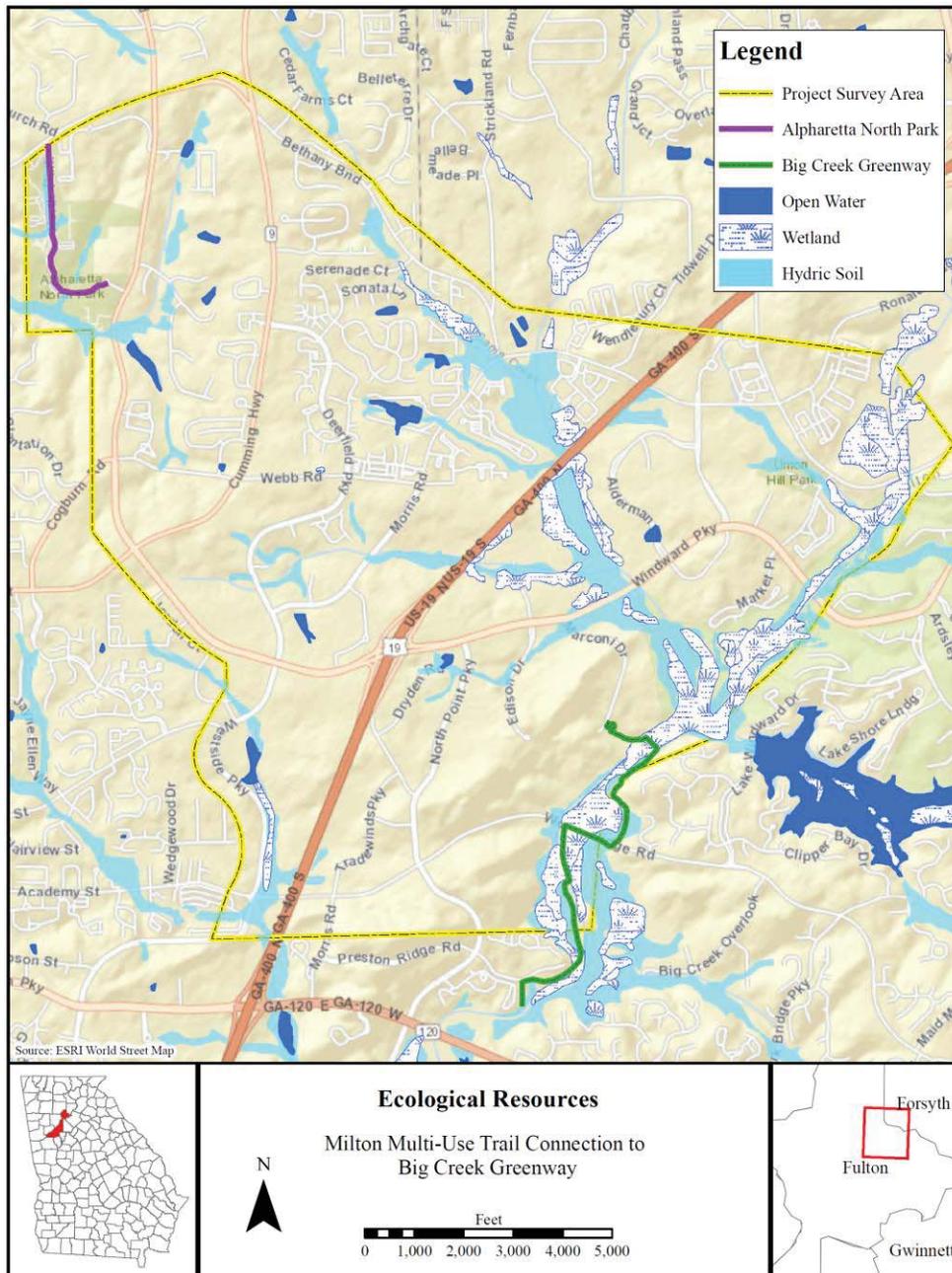
Author: Ryan Cook

Date Surveyed: June 6, 2014

Ecological Resource(s) Identified: Yes No
 Resource Type: Stream Wetland Open Water T&E/Habitat
 Any State Buffered Waters? Yes No
 Any Jurisdictional Waters? Yes No

Streams/Wetlands:

On June 6, 2014, a desktop survey was conducted for environmental resources located within and immediately adjacent to the screening area. The screening survey identified a number of jurisdictional wetlands and open waters. These resources were not delineated; however, they are approximately located on the *Ecological Resources* map, below. This information is for planning purposes only and a full delineation of the waters of the US should be performed prior to project permitting and construction.



Protected Species:

Additionally as a part of the environmental screening, the US Fish and Wildlife Service’s (USFWS) Information, Planning, and Conservation System (IPaC) and the Georgia Department of Natural Resource (GADNR) websites were consulted for information regarding potential impacts to federally protected species related to implementation of the proposed project. The USFWS IPAC list identifies five species of concern within Fulton County, including the Gulf moccasinshell (*Medionidus penicillus*), oval pigtoe (*Pleurobema pyriforme*), purple bankclimber (*Elliptioideus sloatianus*), shinyrayed pocketbook (*Hamiota subangulata*) and the Cherokee darter (*Etheostoma scotti*). The GADNR Fulton County list identifies the federally dwarf sumac, threatened Cherokee darter, shinyrayed pocketbook, and Gulf moccasinshell.

Dwarf sumac are found in dry, open, rocky, or sandy woodlands over mafic bedrock with high level of calcium, magnesium, or iron; often on ridges and river bluffs. The wooded areas observed within the screening area could provide suitable habitat for the dwarf sumac. Surveys that are more intensive may identify pockets of suitable habitat for this species.

Because perennial streams do occur within the project area, the Gulf moccasinshell, oval pigtoe, purple bankclimber, shinyrayed pocketbook, and the Cherokee darter would be species of concern during project development or construction and surveys of the habitat areas would be required if the proposed trail were to involve crossing of any perennial streams.

Archaeology:

Author: Joseph Roberts

Date Surveyed: May 23, 2014

Archaeological Resource(s) Identified:

Within Survey Boundary: Yes No Number of Sites: 13

Previously Recorded Sites/Surveys:

On May 23, 2014, a check of the Georgia Archaeological Site File (GASF) was conducted electronically for this project using the GNAHRGIS database at the University of Georgia in Athens. A total of 13 previously recorded archaeological sites are located within the possible project area (Table 1). In addition, an existing cemetery is also located within the study area. The approximate locations of the sites relative to the study area are provided on the *Archaeological Resources Map* on page 6.

Table 1. Previously Recorded Archaeological Sites.

Site Number	Northing	Easting	NRHP Eligibility	Site Type
9FU292	3776800	754040	Ineligible	Late Nineteenth/Early Twentieth Century Well/Historic Scatter
9FU293	3776610	753120	Ineligible	Late Nineteenth/Early Twentieth Century Collapsed Structure and Precontact Isolate
9FU294	3776120	751740	Ineligible	Late Nineteenth/Early Twentieth Century Chimney Fall/Well, Unknown Precontact Isolate
9FU295	3776140	752040	Ineligible	Late Nineteenth/Early Twentieth Century Farm House Complex
9FU296	3776060	752830	Ineligible	Late Nineteenth/Early Twentieth Century Farm House Complex
9FU297	3775540	752530	Ineligible	Late Nineteenth/Early Twentieth Century Outbuilding
9FU309	3775160	752420	Ineligible	Late Nineteenth/Early Twentieth Century Standing Structure
9FU310	3776020	752620	Ineligible	Late Nineteenth/Early Twentieth Century Historic Scatter, Unknown Precontact Isolate
9FU311	3776040	753060	Ineligible	Late Nineteenth/Early Twentieth Century Farm House Complex

Table 1. Previously Recorded Archaeological Sites. (Continued)

Site Number	Northing	Easting	NRHP Eligibility	Site Type
9FU312	3776040	752920	Ineligible	Late Nineteenth/Early Twentieth Century Outbuilding
9FU313	9776900	753740	Ineligible	Late Nineteenth/Early Twentieth Century House Pad
9FU371	3774916	752888	Recommended Ineligible	Late Archaic Lithic Scatter
9FU372	3774706	752905	Recommended Ineligible	Unidentified Precontact Lithic Scatter
Morris Cemetery			Eligible	Cemetery

In addition to archaeological sites recorded in the Georgia Archaeological Site Files database, 14 previous surveys fall within the possible project area. References for these surveys are listed below. Four of these projects include the same project area boundaries and are depicted as overlapping hatched lines (Duff 2007; Gresham 2005; McIntosh 2004; Pietak and Silliman 2007). A separate survey area is interpreted from site forms on file at GASF because no final report exists (Reid 1998).

Atz, Leiellen

2006 *Phase I Archaeological Survey of the Proposed Big Creek Greenway Extension, Fulton County, Georgia.* Brockington and Associates, Inc., Norcross, Georgia. Prepared for Greenhorne and O'Mara, Inc., Marietta, Georgia.

Duff, Eric A.

2007 *Archaeological Assessment of a Flex Shoulder Lane Project, Fulton and Forsyth Counties.* GDOT Interdepartmental Correspondence, Georgia Department of Transportation, Atlanta, Georgia.

Fleming, Sherry and Bob Entorf

1998 *Archaeological Assessment of Project STP-114-1(99), Fulton County.* GDOT Interdepartmental Correspondence. Georgia Department of Transportation, Atlanta, Georgia.

Gresham, Thomas H.

2005 *Archeological Survey of Certain Improvements to GA 400 from Holcomb Bridge Road to McFarland Road, Fulton and Forsyth Counties.* Southeastern Archeological Services, Inc., Athens, Georgia. Prepared for Parson Brinkerhoff, Inc., Atlanta, Georgia.

2001 *An Archeological Survey of Proposed Improvements to Cumming Highway and Webb Road Intersection, Fulton County, Georgia.* Prepared for Edwards-Pitman Environmental, Inc., Smyrna, Georgia.

Joseph, J. W., Jennifer Matternes, Matthew Watts-Edwards, and Theresa Hamby

2003 *A Phase I Archaeological Survey of Two Intersections Along McGinnis Ferry Road, Fulton and Forsyth Counties, Georgia.* New South Associates, Inc., Stone Mountain, Georgia. Submitted to Moreland Altobelli Associates, Inc., Norcross, Georgia.

McIntosh

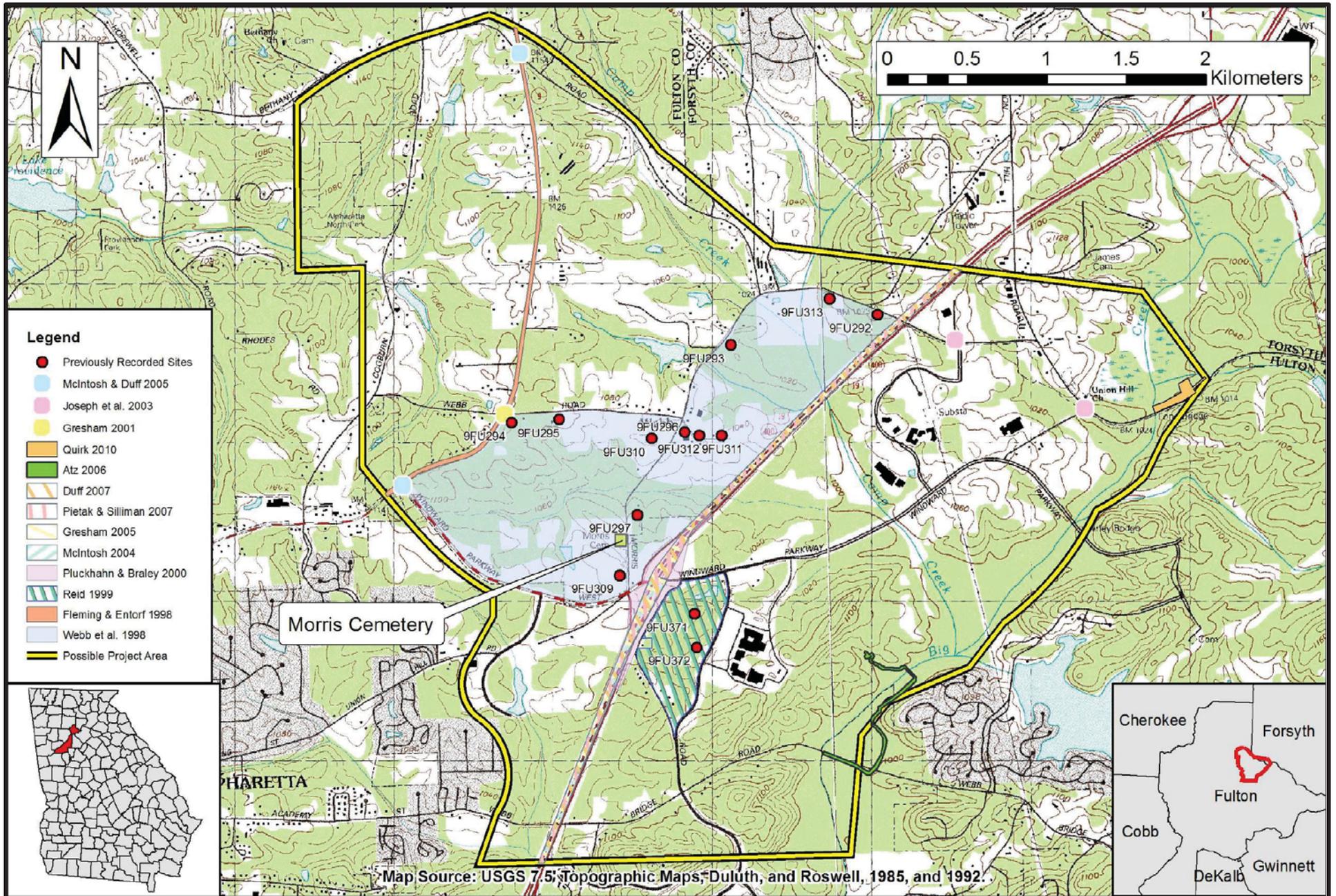
2004 *Archaeological Assessment of Project NH-M001-00(752), Fulton County.* GDOT Interdepartmental Correspondence, Georgia Department of Transportation, Atlanta, Georgia.

McIntosh, Paul and Eric A. Duff

2005 *Archaeological Assessment of Project CSSTP-0007-00(112), Fulton County.* GDOT Interdepartmental Correspondence, Georgia Department of Transportation, Atlanta, Georgia.

Pietak, Lynn Marie, and Garrett W. Silliman

2007 *Phase I Archaeological Survey for the Navigator ATMS Expansion on SR 400 (Turner McDonald Parkway) Fulton and Forsyth Counties, Georgia.* Edwards-Pitman Environmental, Inc., Atlanta, Georgia. Prepared for Gresham Smith and Partners, Alpharetta, Georgia.



Archaeological Resources Map

Pluckhahn, Thomas J., and Chad O. Braley

2000 *An Archeological Survey of the Windward Parkway/SR 400 Interchange, Fulton County, Georgia*. Southeastern Archeological Services, Athens, Georgia. Prepared for Jordan, Jones & Goulding, Tucker, Georgia.

Quirk, Phillip W.

2010 *Phase I Archaeological Survey of the Proposed Lower Big Creek 20-Inch Sanitary Sewer Force Main and Lower Big Creek Lift Station and Sanitary Sewer, Forsyth County, Georgia*. Edwards-Pitman Environmental, Inc., Smyrna, Georgia. Prepared for the Forsyth County Water & Sewer Department, Cumming Georgia.

Reid, Dawn

1999 *Cultural Resources Survey of the Windward Tract, North Fulton County, Georgia*. Brockington & Associates, Inc., Atlanta, Georgia. Site Forms submitted to Georgia Archaeological Site File, Athens, Georgia.

Webb, Robert S., Grace F. Keith, and Scot J. Keith

1998 *Cultural Resources Survey and Site Evaluations Deerfield Park Development, Fulton County, Georgia*. R.S. Webb & Associates, Holly Springs, Georgia. Submitted to Hines Interests, Atlanta, Georgia.

Whitley, Thomas

2008 *Phase I Archaeological Addendum of an Additional .01 Acre for the Proposed Big Creek Greenway Extension, Fulton County Georgia*. Brockington and Associates, Inc., Norcross, Georgia. Prepared for Greenhorne and O'Mara, Inc., Marietta, Georgia.

History:

Author: Martha Teall

Date Surveyed: May 29, 2014

Structures 50+ year Identified: Yes No

In compliance with Section 106 of the National Historic Preservation Act of 1966 and amendments thereto, a desktop background survey of the proposed project area was conducted on May 29, 2014, to identify the properties 50 years of age or older within the Area of Potential Effect (APE) of the proposed project. The survey area was defined by the Milton Multi-Use Trail Connection to Big Creek Greenway Scoping and Concept Study.

Sources consulted included the Georgia Natural, Archaeological, and Historic Resources GIS (NAHRGIS) database, Atlanta Regional Commission (ARC) database, National Register of Historic Places listed properties, topographic maps and historic aerials. No properties 50 years of age or older were identified within the proposed project's APE during the preliminary survey.

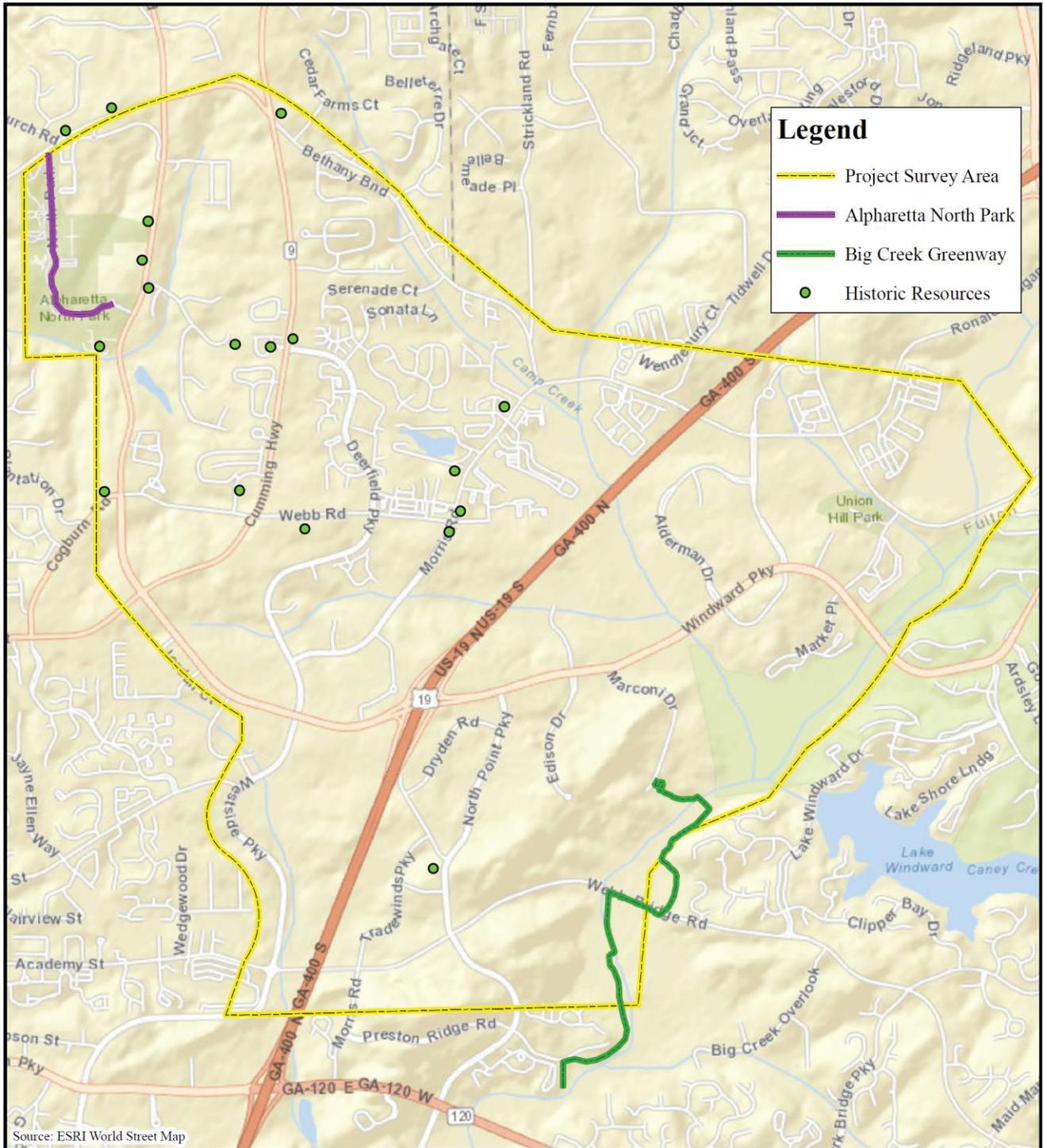
All resources listed in Table 2 were identified by the NAHRGIS database from surveys conducted in the 1990s. Some of the addresses could not be verified in the Fulton County tax assessor's record. Due to the length of time since this survey, a field survey is recommended to determine whether these properties are still extant.

Table 2. Previously Recorded Historic Properties.

Name of Resource	Date of Construction	Type and/or Style	Location	National Register Recommendation
Resource 1 DNR 32242	1934	SG Bungalow; Craftsman style; Blacksmith shop, barn, chicken coop	13400 Cogburn Road	Unknown
Resource 2 DNR 32243	1884	Central Hallway	13500 Cogburn Road	Unknown
Resource 3 DNR 32244	1884	Gabled-Wing Cottage, Greek Revival style, Barn	13560 Cogburn Road	Unknown
Resource 4 DNR 32245	1894	Central Hallway	13630 Cogburn Road	Unknown
Resource 5 DNR 32248	1884	Central Hallway; Blacksmith shop, barn	2470 Bethany Road	Unknown

Name of Resource	Date of Construction	Type and/or Style	Location	National Register Recommendation
Resource 6 DNR 32246	1874	Central Hallway, Greek Revival style	2730 Bethany Road	Unknown
Resource 7 DNR 32240	1874	Craftsman style	13920 Cumming Hwy	Unknown
Resource 8 William- Madison- Dodge House DNR 32230	1884	Hall Parlor, Greek Revival style; Blacksmith shop, smokehouse, barn, machinery/wagon	13360 Cumming Hwy	Unknown
Resource 9 Dodd-Bagwell House DNR 32231	1874	Central Hallway, Folk Victorian style; Barn, machinery/wagon, well house	West of 1360 Cumming Hwy	Unknown
Resource 10 Z.D. Dodd House DNR 32232	1928	FG Bungalow	E Side Cumming Hwy, 3/5 mile north Webb Road	Unknown
Resource 11 Bowen House DNR 32233	1869	Central Hallway, Greek Revival style; Machinery/wagon, barn, blacksmith shop, storage bldg., well house	13040 Hwy 9	Unknown
Resource 12 DNR 32234	1884	Central Hallway, Folk Victorian style; Blacksmith shop, well house, chicken coop	S Side Webb Road, 1/5 mile E of intersection with Cumming Hwy	Unknown
Resource 13 DNR 32241	1924	Craftsman style No Academic Type/Style; Livestock, barn	W Side Cogburn Road W of intersection with Webb Road	Unknown
Resource 14 Webb GA General Foods DNR 32237	1938	Commercial	E side Morris Road NE of intersection with Webb Road	Unknown
Resource 15 DNR 32238	1874	Hall Parlor; Blacksmith shop	13170 Morris Road	Unknown
Resource 16 DNR 32239	1934	FG Bungalow, Craftsman style; Blacksmith shop, garage Note: House moved to site in 1955	W Side Morris Road, 1/5 mile south of intersection with Bethany Road	Unknown
Resource 17 DNR 32236	1884	Hall Parlor; Barn	E Side Morris Road SE of intersection with Webb Road	Unknown
Resource 18 DNR 32235	1914	FG Bungalow Craftsman style	3310 Webb Road	Unknown
Resource 19 DNR 30850	1880	Gabled Wing Cottage; Livestock, corn crib	Union Hill Drive	Unknown
Resource 20 DNR 30848	1915	Hall Parlor; Blacksmith shop, barn	W Side Tidwell Drive 1 Mile S of Tidwell Road	Unknown
Resource 21 DNR 30849	1850	Central Hallway Folk Victorian; Blacksmith shop, barn, garage, well house	N Side Tidwell Drive Just W of Union Hill Road	Unknown

While not all the resources noted above could be located within the corridor, those that could be identified are provided on the *Historic Resources* map on the following page.



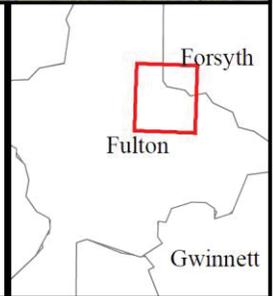
Historic Resources

Milton Multi-Use Trail Connection to Big Creek Greenway

N

Feet

0 1,000 2,000 3,000 4,000 5,000



It should be noted that all assumptions and observations regarding resource eligibility made in this report are preliminary and have not been reviewed or approved by the Georgia SHPO. As such, they are subject to change.

Air Quality/Noise:

Author: Russ Danser, AICP

Date Surveyed: December 16, 2015

Impacts Anticipated: Yes No

Ozone: This project could not be identified within the conforming TIP.

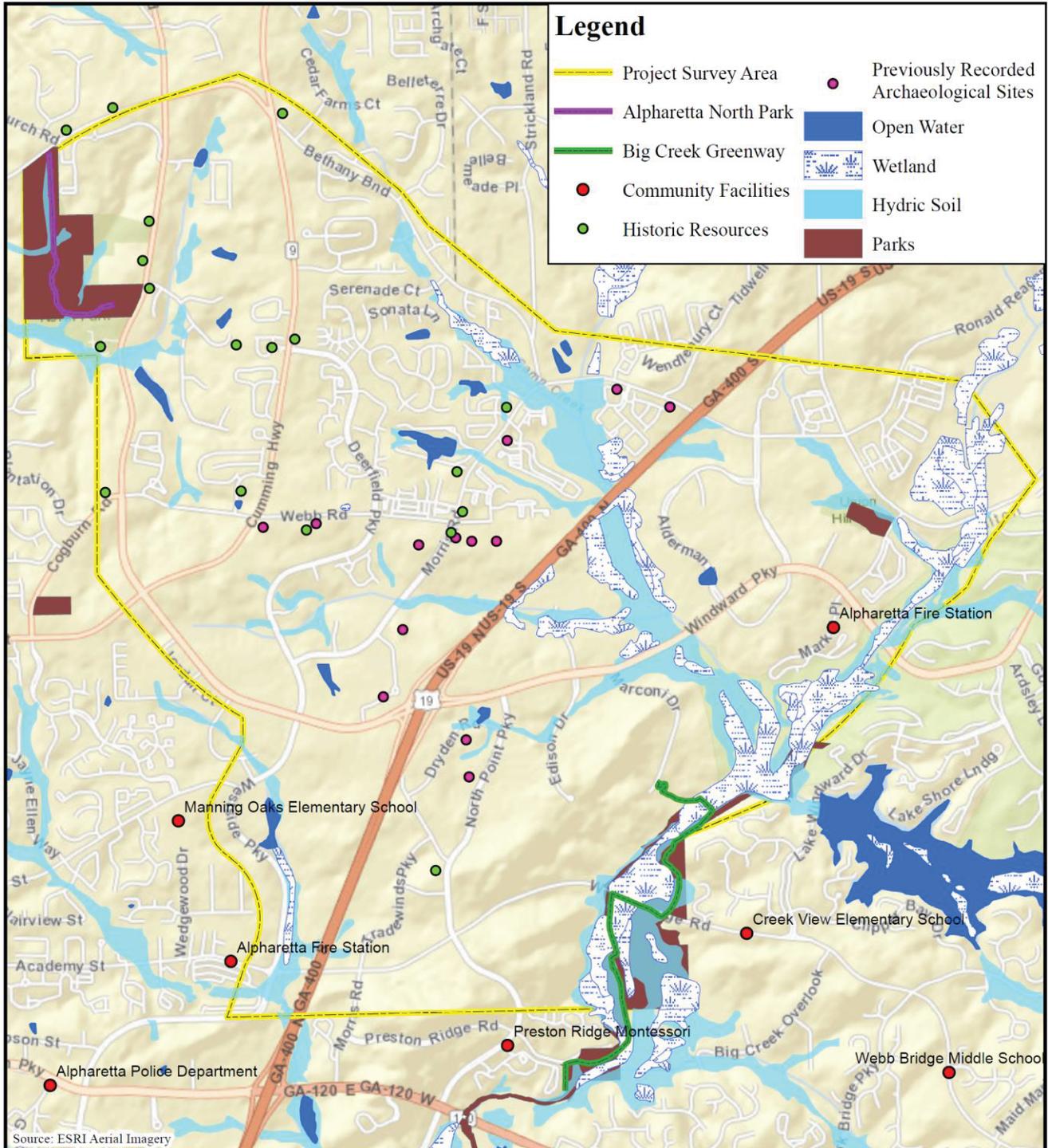
CO: Given the project type (multiuse trail), it is not anticipated that this project would significantly impact CO concentrations and would, therefore, not require a CO hot-spot analysis.

PM_{2.5}: It is anticipated that this project, when evaluated by an interagency group consisting of FHWA, EPA, EPD and the MPO, would be Exempt per the Transportation Conformity Rule and thus meet the statutory and regulatory requirements for PM_{2.5} hotspots without a qualitative analysis.

MSAT: It is anticipated that the proposed project would be classified as a project with *No Potential MSAT Effects*.

Noise: It is anticipated that this project meets the definition of a Type III project and does not require a noise study or abatement of highway noise impacts.

Given the number of resources identified in this screening memo, a Comprehensive Resource Map has been prepared and is provided on page 11.



Comprehensive Resource Map

Milton Multi-Use Trail Connection to Big Creek Greenway

N

Feet

0 1,000 2,000 3,000 4,000 5,000



Milton Kickoff Meeting Notes: 4-3-14

Attendees:

- Sara, Carter, Mike and Andrew (phone)

Miscellaneous:

- Alpharetta liaison – Mike Perry and Pete Sewczwicz
- North Fulton Community Improvement District (CID) liaison - Kristen Rome

Data Mapping and Context:

- **Action Item:** Check Fulton County: Max to link
- Build on their master plan. Give the public something to react to.
- CID will be our connection to businesses.
- **Action Item:** Sara to send SR 9 and Bethany Bend – intersection concept design – Milton needs to build ped tunnel across SR 9
- SR 9 widening is in concept by GDOT – widening from Windward to Co. Line (May 21st) – 4 lane with median and wider sidewalks. No bike lanes. Milton wants a tunnel.
- Webb Bridge Rd – Has an existing bridge. Could accommodate a separate ped bridge.
- New interchange planned for McGinnis Ferry.
- Ga. Power may want to build a tunnel under GA 400. We could share ROW crossing?
- Let's meet with Alpharetta and CID once we define project and do a little bit of ground truthing.
- **Action Item:** Stantec to send all correspondence to core team thru Sara. All agenda's and materials.
- **Action Item:** Andrew set up meeting with Pete/Carter 4/18th timeframe

Study Area:

- Starting point at Bethany at Windward/Cogburn.
- **Action Item:** Stantec to create a new map with new boundary.
- **Action Item:** DRI – Mixed use (DRI completed in 2013). Sara to send via FTP
- **Action Item:** Try to obtain the IJR for McGinnis Ferry/GA 400
- Alpharetta has 3 or 4 options along Big Creek to McFarlan (end). See Pete
- Look at master plan for connecting beyond phase I
- **Action Item:** Sara to get utility layers
- **Action Item:** ROW reservation: Carter will provide ROW (future) for master roads including SR 9, Bethany Bend, Webb, Windward, and Cogburn
- **Action Item:** Concept team work session (potential) 5/12 afternoon

Meeting TitleMilton Big Creek Greenway / 171001490

Date/Time: May 16, 2014 / 9:00 AM
Place: City of Alpharetta, Department of Public Works
Next Meeting: TBD
Attendees: Nathan Aarons, Carter Lucas (Milton), Pete Sewczicz, Jeff Petrea (GA Power), Craig (GA Power)
Absentees: Absentees
Distribution: Andrew Kohr, Mike Rutkowski

Item:**Action:****Webb Bridge Road**

[Type the action text]

Webb Bridge Road is planned for widening from 2 to 4 lanes. This gives us the opportunity to design the bridge with a greenway/trail aspect to it. Georgia Power prefers this idea from a power stand point but is also on board with Webb Road Extension.

Georgia Power has a substation east of 400 on Webb Road near Deerfield as well as one West of 400 near Windward Plaza and extending Webb Road would allow them to connect these two substations.

As far a funding, GA Power will only pay for the design and construction of power infrastructure. They would hire their own contractor to work with "our" contractor. They would be open to partnering with Milton and Alpharetta to acquire federal funding.

To sum it up, Milton and Alpharetta prefer Webb Road Extensions to keep greenway close to Milton. GA power's first choice is Webb Bridge Road but is open to extension concept from a power perspective.

The meeting adjourned at 10:30 AM

The foregoing is considered to be a true and accurate record of all items discussed. If any discrepancies or inconsistencies are noted, please contact the writer immediately.

Stantec Consulting Services Inc.

Nathan P. Aarons, ASLA, LEED GA
Landscape Designer
Phone: 678.689.2366
Fax: 770.813.0688
nathan.aarons@stantec.com

Design with community in mind

Initial Concept Team Meeting

Milton Big Creek Greenway / 171001490

Date/Time: August 1, 2014 / 10:00 AM

Place: GDOT DISTRICT 7 OFFICE

Attendees: Andrew Kohr (Stantec); Greg Mayo (Stantec); Carter Lucas (Milton), Pete Sewczicz, Elaine Armster (GDOT); Rachel Brown (GDOT); Tim Lee (GDOT); Mike Lobdell (GDOT)

The initial concept team meeting focused on the City of Milton's desire to connect the Big Creek Greenway to the west side of GA 400. Prior to this meeting multiple grade separated concepts were discussed. Primary locations for grade separated crossing focused on areas north of Windward Parkway due to topography and local conditions.

Tunnel

Two tunnel locations were discussed. These provide adequate depth below the roadway and a more "rural" transition into naturalized areas. GDOT had concerns about tunnels because of lack of visibility, cost, liability, and drainage.

Bridge

Multiple bridge crossing locations were discussed, with the primary focus being north of Windward Parkway. These areas could be associated with a Webb Road Extension or further north towards McGinnis Ferry Road. The latter is less desirable because the resulting trail connections are not as well accessible.

GDOT preferred a pedestrian bridge crossing and recommended multi modal operations (including a bridge associated with a roadway). They were amenable to a Webb Road extension or modification of Webb Bridge Road.

The meeting adjourned at 11:30 AM

Stantec Consulting Services Inc.

North Fulton Regional Greenway Concept Study

Public Workshop

March 17, 2015



Name & Organization

SACA LEADERS	City of Milton
EMIL WALLEK	emilw @ ESN ASSOC.COM
Shannon Weaver	Milton Herald
Glenn Anter	GDOT / OPD
WALT REKUC	RESIDENT
Dennis Knebel	RESIDENT
Amy Peters	Resident
Paul & Lili	resident
Robert Strader	Resident
DOUG HENG	RESIDENT
Denise Sheridan	Milton
Hope Winograd	resident
Jack Lindon	Chairman, MGG
Joe Lockwood	Mayor
SCOTT REECE	BRUMBEROW-REECE
Chris Lagerbloom	Milton City Manager

North Fulton Regional Greenway Concept Study

Public Workshop

March 17, 2015



Name & Organization

Phil + Sharon Joseph

Joe Lamp'1

Patrick McHugh

Ken Brock

David + Stacy Jackson

Christy McWhorter

Eric + Cindy Ringwall

Trails and Big Creek Greenway Connection

“Connecting People with Places”



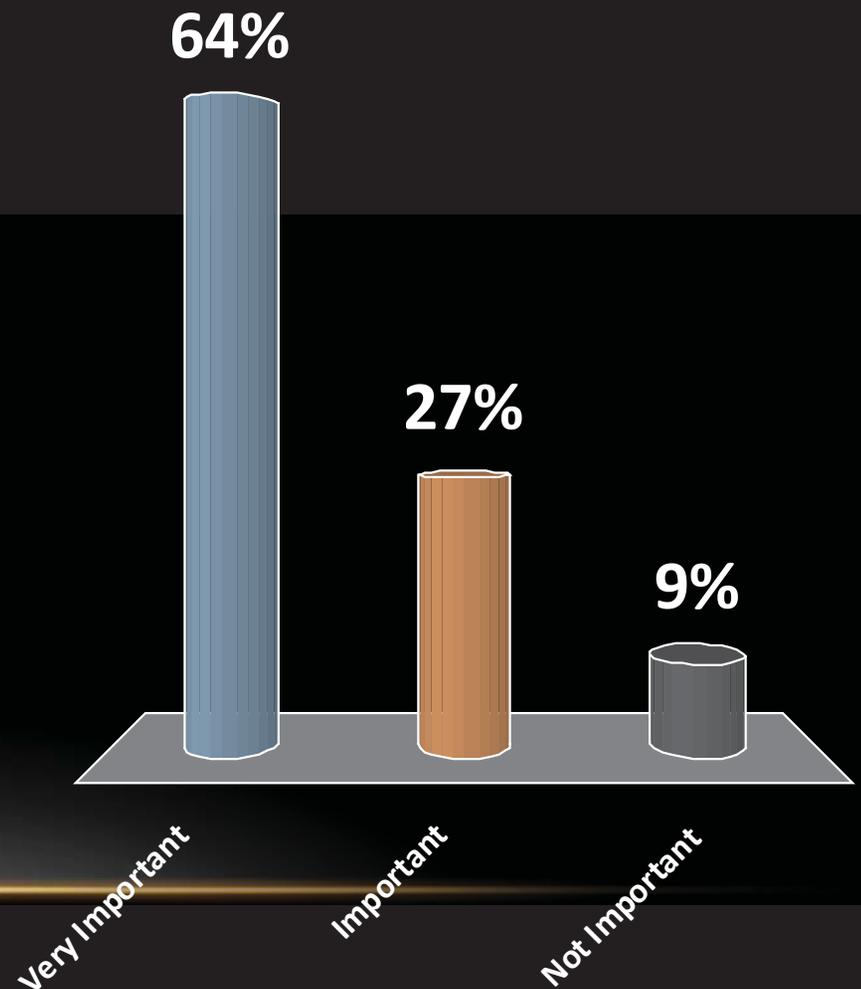
March 17, 2015

HOW IMPORTANT TO YOU IS CREATING ACCESS TO A REGIONAL TRAIL SYSTEM?

A. Very Important

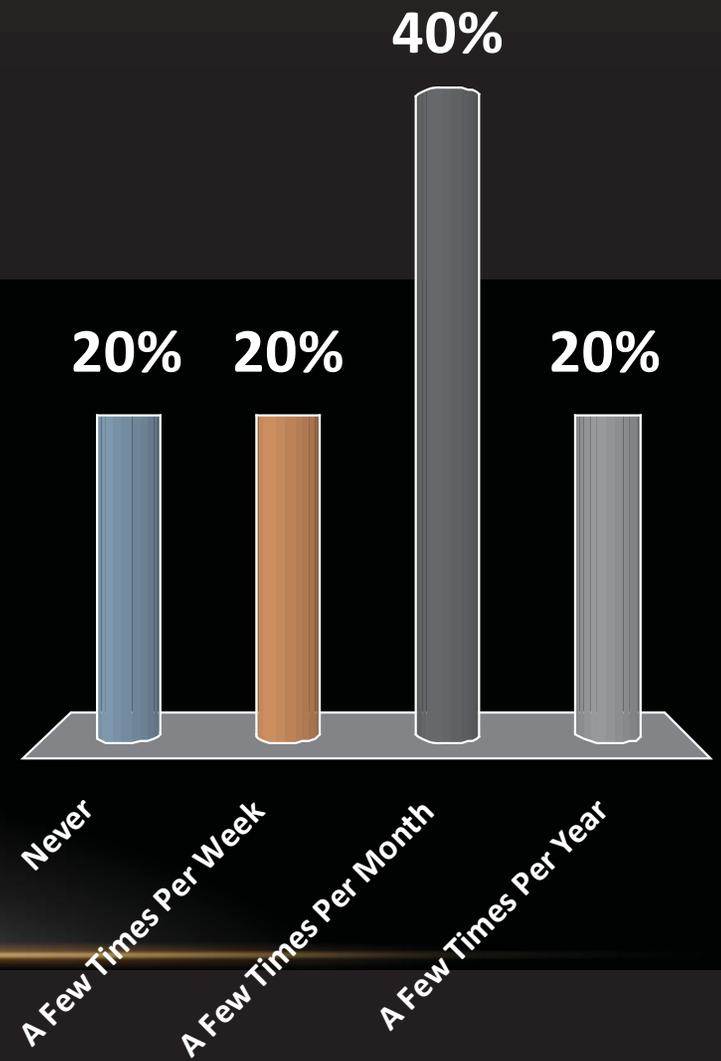
B. Important

C. Not Important



HOW OFTEN DO YOU USE TRAILS NOW?

- A. Never
- B. A Few Times Per Week
- C. A Few Times Per Month
- D. A Few Times Per Year

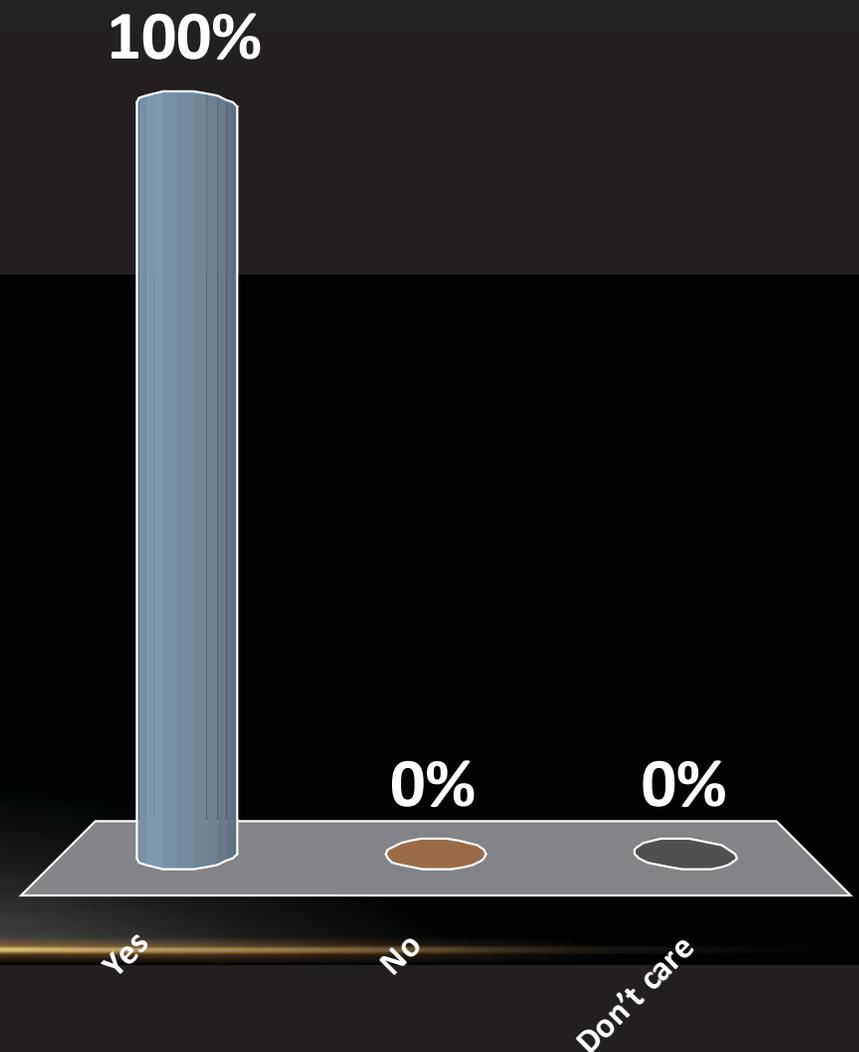


IS THERE A NEED TO HAVE TRAIL CONNECTIONS TO NEIGHBORING COMMUNITIES (ALPHARETTA, ROSWELL, FORSYTH COUNTY)?

A. Yes

B. No

C. Don't care



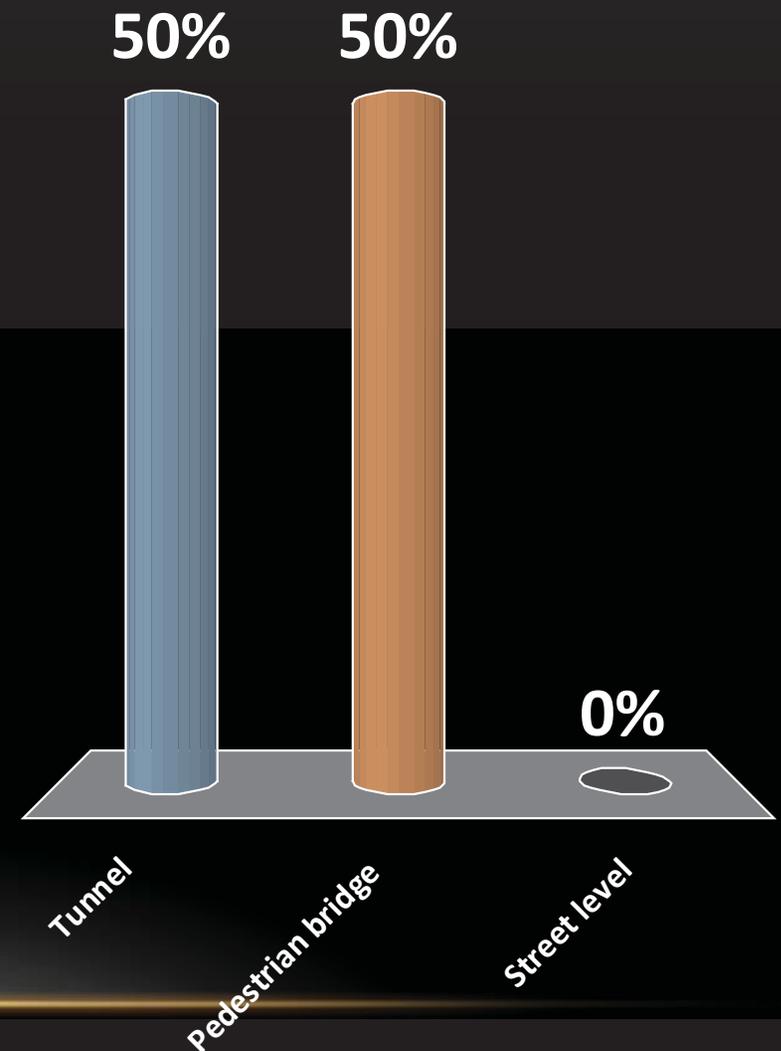


TRAIL CROSSINGS



HOW SHOULD THE TRAIL SYSTEM CROSS GA 400?

- A. Tunnel
- B. Pedestrian bridge
- C. Street level



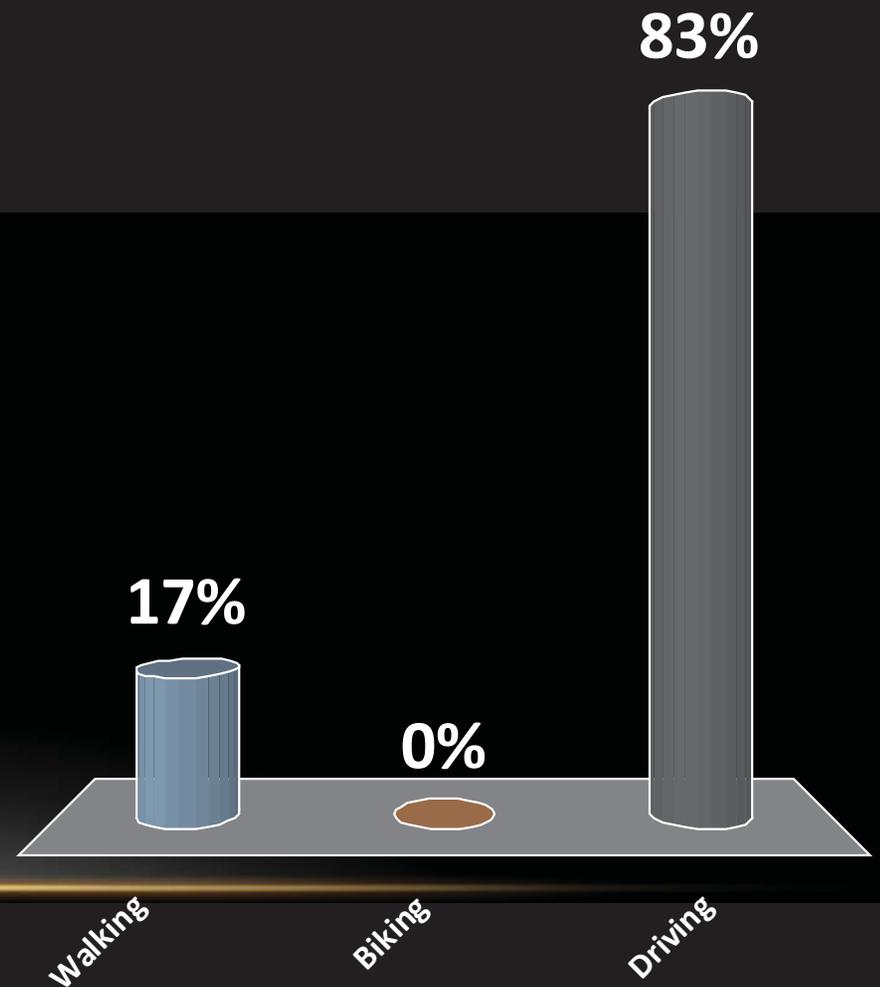


USE AND ACCESS



WHAT IS YOUR PREFERRED TRANSPORTATION MODE TO GET TO A TRAIL?

- A. Walking
- B. Biking
- C. Driving

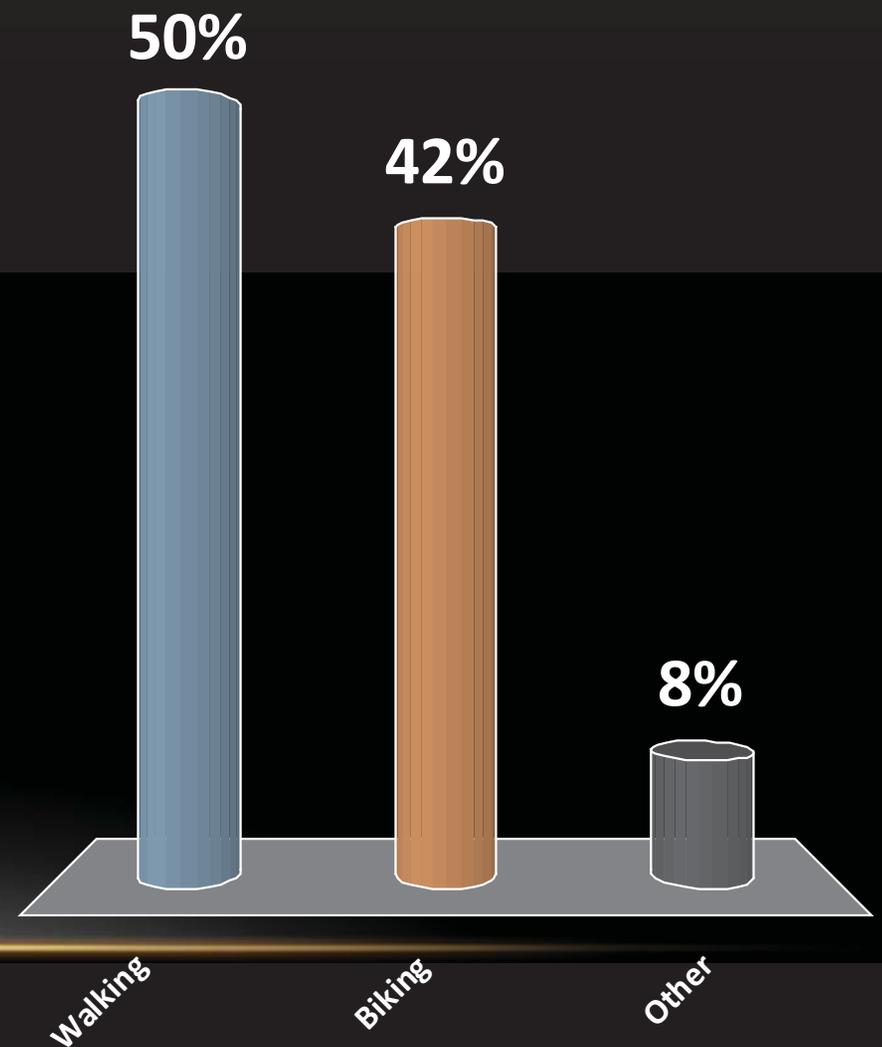


WHAT IS YOUR PREFERRED ACTIVITY WHEN USING A TRAIL?

A. Walking

B. Biking

C. Other



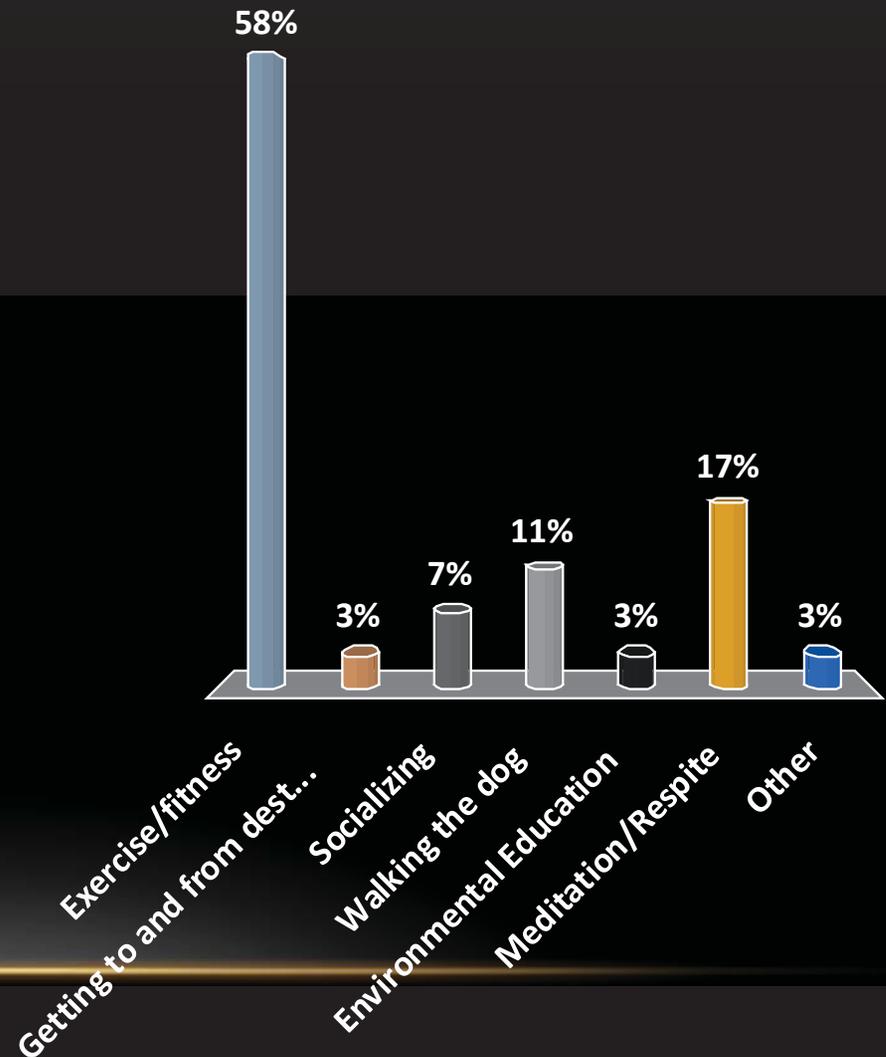


RANKING QUESTIONS



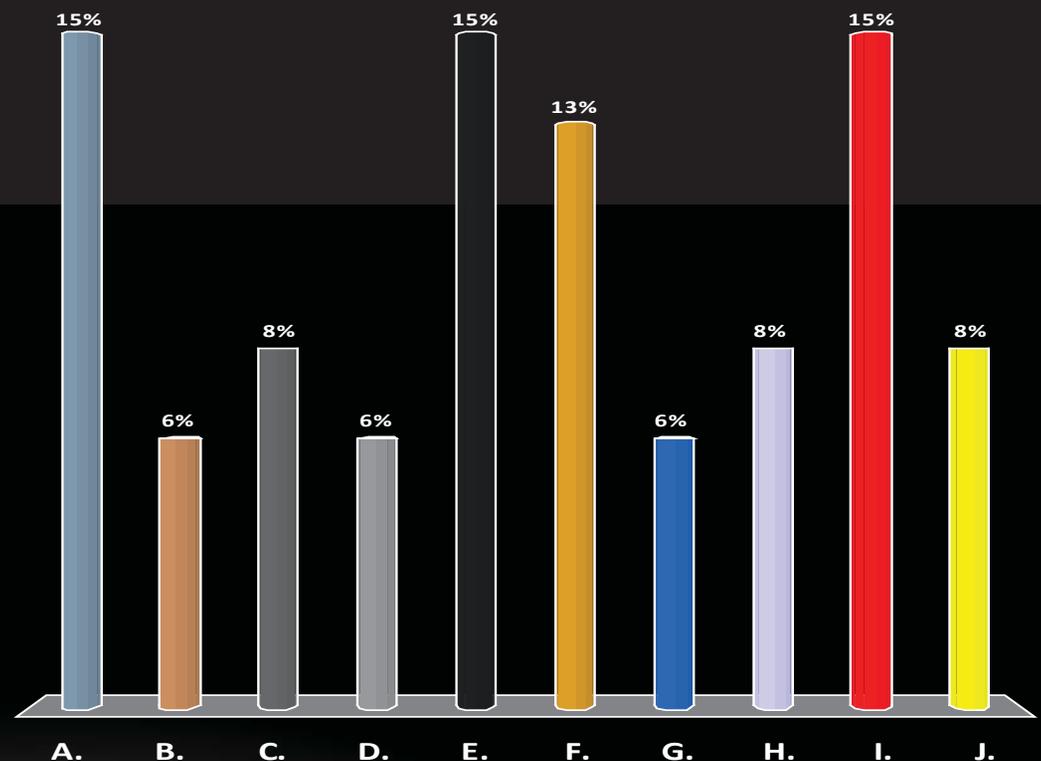
WHAT IS THE PRIMARY REASON THAT YOU CURRENTLY USE TRAILS? (RANK YOUR TOP THREE)

- A. Exercise/fitness
- B. Getting to and from destinations
- C. Socializing
- D. Walking the dog
- E. Environmental Education
- F. Meditation/Respite
- G. Other



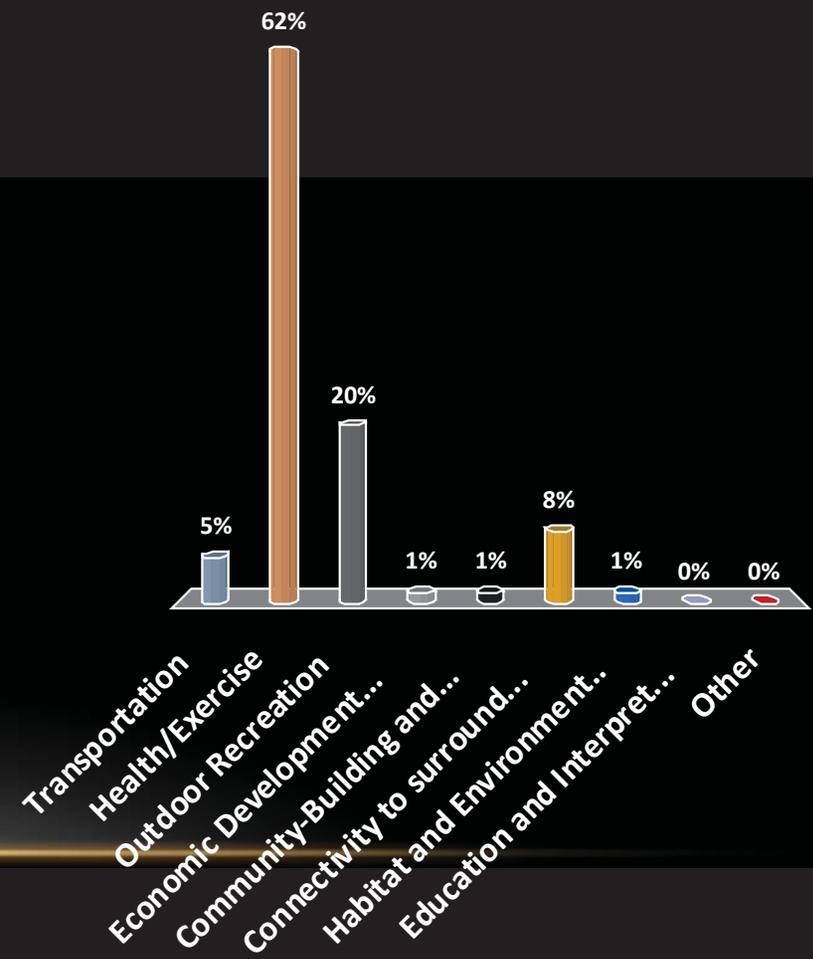
WHAT AMENITIES ARE MOST IMPORTANT TO YOU FOR TRAILS? (SELECT ALL THAT APPLY)

- A. Benches
- B. Directional signs
- C. Trail maps/information kiosks
- D. Interpretive Signs (featuring local history/environment)
- E. Drinking Foundations
- F. Adequate Lighting
- G. Trash Cans
- H. Pet Waste Stations
- I. Restrooms
- J. 911 Call Boxes

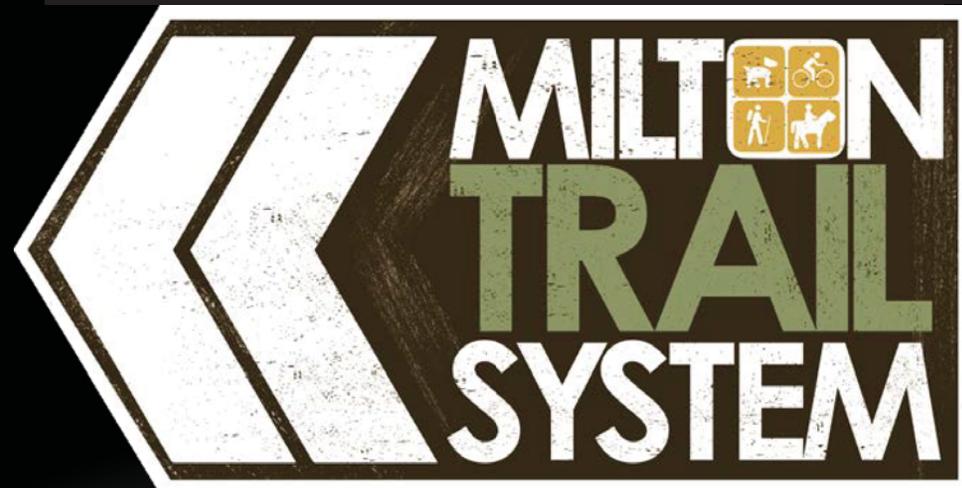


IN YOUR OPINION, WHAT ARE THE MOST IMPORTANT BENEFITS AND USES OF A TRAIL SYSTEM? (RANK YOUR TOP 3)

- A. Transportation
- B. Health/Exercise
- C. Outdoor Recreation
- D. Economic Development/Tourism
- E. Community-Building and Events
- F. Connectivity to surrounding community
- G. Habitat and Environmental Protection
- H. Education and Interpretation
- I. Other



*THANKS AGAIN FOR YOUR INPUT. WE
LOOK FORWARD TO WORKING WITH YOU
ON THIS IMPORTANT PROJECT!*





December 2, 2015

Dear Resident/Interested Stakeholder:

Thank you for attending the Public Information Open House for the proposed Multi-use Connection to the Big Creek Greenway, PI Number 0012881. The goal of this meeting is to provide you with information on the proposed project and provide you with an opportunity to give us your comments on the proposed project.

The City of Milton is partnering with the City of Alpharetta and the North Fulton Community Improvement District to establish a connection to the Big Creek Greenway. For the past several months we have investigated potential intermediate and long-term connection options. The concept presented today is considered a logical intermediate connection that will enhance the alternative transportation and recreation options available to citizens, businesses and visitors to the area.

Thank you for your interest in this project. For more information on the project please visit the project website:

<http://miltonintersectionprojects.com/big-creek-greenway-connection>

Sincerely,

Sara Leaders, PE
Transportation Engineer
City of Milton



PHONE: 678.242.2500 | FAX: 678.242.2499
info@cityofmiltonga.us | www.cityofmiltonga.us
 13000 Deerfield Parkway, Suite 107 | Milton GA 30004



FACT SHEET
BIG CREEK GREENWAY CONNECTION STUDY
COGBURN RD; BETHANY BEND & WINDWARD PKWY CONNECTION @ 3 LOCS
P.I. NUMBER: 0012881 (FULTON)

PROJECT BACKGROUND

The purpose of the project is to identify a greenway connection that would connect Milton to Alpharetta and the Big Creek Greenway. Landmarks that the proposed multi-use trail will connect include residential developments, businesses, schools, parks, daycare facilities, and office parks. The preferred alignment identified in this project is seen as one of several opportunities to improve multi-modal and pedestrian accessibility between Milton and Alpharetta. The City of Milton received a Transportation Alternatives Program (TAP) grant from the Atlanta Regional Commission to develop a scoping study investigating potential connections across GA 400. One of the final products will be a Concept Report submitted to the Georgia Department of Transportation for the preferred trail alignment.

PROJECT PARTNERS

This project is a collaboration between the City of Milton, the City of Alpharetta, and the North Fulton Community Improvement District (NFCID) with support from Georgia DOT and the Atlanta Regional Commission. Stantec Consulting is the engineering consultant for the project.

PROJECT BOUNDARIES

The multi-use trail begins at the southwest corner of Cogburn and Bethany Bend Road. The trail follows the west side of Cogburn Road, south side of Webb Road, west side of Deerfield Road, east side of Westside Parkway and the south side of Webb Bridge Road. The project ends at the Big Creek Greenway access point east of Alpharetta High School.

DESIGN FEATURES

Design Features of the Big Creek Greenway Connection are outlined as follows:

- A 10 foot-wide concrete multi-use trail. Portions of existing sidewalk will be expanded to support the use as a trail.
- A 2 to 8 foot-wide grassed buffer between the roadway and trail.
- New concrete curb and gutter in locations where it is currently absent.
- Improved pedestrian/bicycle crossings at intersections.
- ADA compliant access ramps and crossings.
- Appropriate striping and signage.
- A dedicated pedestrian bridge over GA400 at Webb Bridge Road.

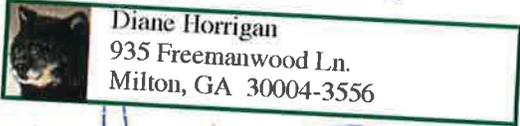
COMMENTS & QUESTIONS

Formal comments should be provided within 5 business days via email or mail to the following address:

Andrew Kohr
Stantec Consulting
2310 Parklake Drive NE, Suite 400
Atlanta, GA 30345
Email: andrew.kohr@stantec.com

The Big Creek Greenway Connection - Public Information Open House
 Wednesday, December 2, 2015 - Milton City Hall

Sign-In

NAME, MAILING ADDRESS, PHONE AND E-MAIL	NAME, MAILING ADDRESS, PHONE AND E-MAIL
<p>Lee Lockridge Karen Lockridge 2902 Commonwealth Cir Alpharetta, GA 30004</p>	<p>Diane Horrigan  Diane Horrigan 935 Freemanwood Ln. Milton, GA 30004-3556 Diane.Horrigan@gmail.com</p>
<p>Marissa Marshall 605 Camber Woods Dr. Roswell, GA 30076</p>	<p>Rosert Buscemi 13000 Deerfield Pkwy Rosert.Buscemi@cityofmiltonga.us</p>
<p>Peter B. Emmanuel 600 West Peachtree St Atlanta, GA 30308 pemmanuel@dot.ga.gov</p>	<p>Chris Lagerbloom 680 Dunbrody Dr. Milton, GA 30004 Chris.lagerbloom@cityofmiltonga.us</p>
<p>Carter Lucas 13000 Deerfield Pkwy Milton, Ga 30004</p>	<p>Sara Leaders 12507 Waterside Dr Milton, GA 30004</p>

The Big Creek Greenway Connection - Public Information Open House
Wednesday, December 2, 2015 - Milton City Hall

Sign-In

NAME, MAILING ADDRESS, PHONE AND E-MAIL	NAME, MAILING ADDRESS, PHONE AND E-MAIL
<p>DIANE McDONALD 15390 Thompson Way Milton, GA 30004 → ddiemcd123@gnmcc.com</p>	<p>BILL McDonald mrbill125@hotmail.com</p>
<p>Roddy NOTES Marc Arrington marc@williamarrington.com</p>	<p>UNKNOWN</p>
<p>Richard Reflicker 275 CARYBELL LN. ALPHARETTA 30004</p>	<p>Kristin Winzeler kwinzeler@northfultonckd.com</p>
<p>FRANCIS CoudomBE 325 Stone Hill PT Milton, GA 30004 FRANCIS.CoudomBE@gmail.com</p>	<p>Lou + Mary Swansm 525 Cherington Way Milton, GA ~ 30004 mswans810@aol.com LouSwanny@aol.com</p>

#1



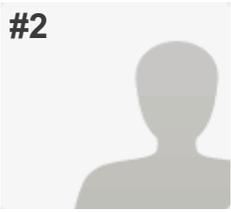
COMPLETE

Collector: Web Link 2 (Web Link)
Started: Tuesday, December 01, 2015 7:22:34 AM
Last Modified: Tuesday, December 01, 2015 7:25:25 AM
Time Spent: 00:02:50
IP Address: 74.190.95.83

PAGE 1: P.I. No. 0012881 Comment Card Big Creek Greenway Connection

Q1: Name	Joanne Boyd
Q2: Address	16355 New Bull Pen Rd., Milton
Q3: Do you support the project?	For
Q4: Comments on Trail/Greenway Alignment?	
Much needed addition to Milton! My friends and I ride the greenway weekly (bikes) as it is the safest spot in North Fulton for riding..we travel to North Point or Fowler Park for access.	
Q5: How did you hear about this survey?	Other Milton e-mail

#2



COMPLETE

Collector: Web Link 2 (Web Link)
Started: Tuesday, December 01, 2015 8:29:14 AM
Last Modified: Tuesday, December 01, 2015 8:29:46 AM
Time Spent: 00:00:31
IP Address: 204.193.72.50

PAGE 1: P.I. No. 0012881 Comment Card Big Creek Greenway Connection

Q1: Name	Terri Barton
Q2: Address	1365 WINSHIRE CV ALPHARETTA, GA 30004
Q3: Do you support the project?	For
Q4: Comments on Trail/Greenway Alignment?	<i>Respondent skipped this question</i>
Q5: How did you hear about this survey?	Newspaper

#3

**COMPLETE****Collector:** Web Link 2 (Web Link)**Started:** Tuesday, December 01, 2015 8:06:02 PM**Last Modified:** Tuesday, December 01, 2015 8:09:00 PM**Time Spent:** 00:02:57**IP Address:** 174.49.66.102

PAGE 1: P.I. No. 0012881 Comment Card Big Creek Greenway Connection

Q1: Name

Maya Gupta

Q2: Address*Respondent skipped this question***Q3: Do you support the project?**

Uncommitted

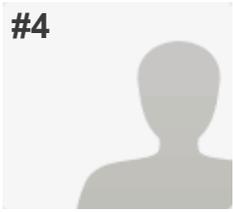
Q4: Comments on Trail/Greenway Alignment?

Thank you for your commitment to increasing our pedestrian and recreational opportunities within Milton! This greenway connection provides a valuable addition to the Big Creek Greenway network, greatly improves access to that network, and extends the total miles of trail available to those of us who are long-distance walkers, runners, and cyclists.

Q5: How did you hear about this survey?

Other City of Milton email

#4



COMPLETE

Collector: Web Link 2 (Web Link)
Started: Wednesday, December 02, 2015 2:14:53 PM
Last Modified: Wednesday, December 02, 2015 2:17:48 PM
Time Spent: 00:02:55
IP Address: 50.180.133.147

PAGE 1: P.I. No. 0012881 Comment Card Big Creek Greenway Connection

Q1: Name Don Miller

Q2: Address 815 Colonial Lane

Q3: Do you support the project? For

Q4: Comments on Trail/Greenway Alignment?

Any connection to the existing greenway would be fantastic. Hope it won't take too long.

Q5: How did you hear about this survey? Word of Mouth

#5



COMPLETE

Collector: Web Link 2 (Web Link)
Started: Tuesday, December 08, 2015 9:30:50 PM
Last Modified: Tuesday, December 08, 2015 9:37:44 PM
Time Spent: 00:06:54
IP Address: 98.230.188.238

PAGE 1: P.I. No. 0012881 Comment Card Big Creek Greenway Connection

Q1: Name Deborah Scerno

Q2: Address 120 Wigton Place

Q3: Do you support the project? For

Q4: Comments on Trail/Greenway Alignment?

Bike trails in Milton are needed. It would be preferable to have them be flatter (less hilly) than the proposed route. Along the creek beds is flatter, but prone to flooding. I understand the reasons for the route and support having something in Milton. I currently have to drive to the the greenway to ride.

Q5: How did you hear about this survey? Newspaper,
Other
Trails connecting further north would be great as well.

BIG CREEK GREENWAY CONNECTION STUDY

project identification number: 0012881

Public Information Open House, Wednesday, December 2, 2015

COMMENT CARD

Do it yesterday

DO YOU SUPPORT THE PROJECT?

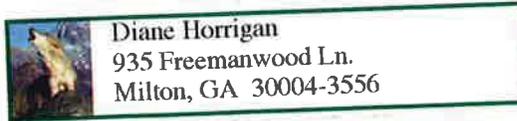
FOR

AGAINST

CONDITIONAL

UNCOMMITTED

Your Name:
(please print)



Address:

City, State, ZIP:

BIG CREEK GREENWAY CONNECTION STUDY

project identification number: 0012881

Public Information Open House, Wednesday, December 2, 2015

COMMENT CARD

Looks very interesting. Very glad routes will not be on same roadway with auto traffic! Traffic on Cogburn w/ bicycles already is a problem. We might actually use the pathways ourselves!

DO YOU SUPPORT THE PROJECT?

FOR

AGAINST

CONDITIONAL

UNCOMMITTED

Your Name:
(please print)

Diane & Bill McDonald

Address:

15390 Thompson Way

City, State, ZIP:

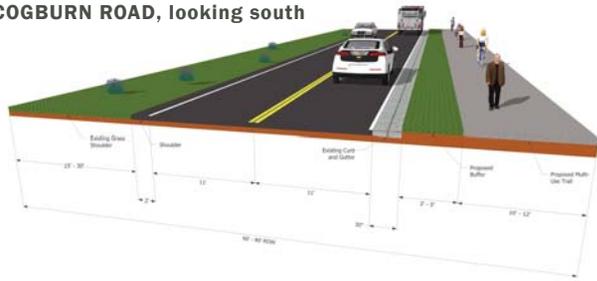
Milton, GA 30004



BIG CREEK GREENWAY CONNECTION STUDY CROSS SECTIONS

- Trail Beginning
- Trail End
- Proposed Trail Alignment

COGBURN ROAD, looking south



WEBB ROAD, looking east



DEERFIELD AND WESTSIDE PARKWAY, looking south



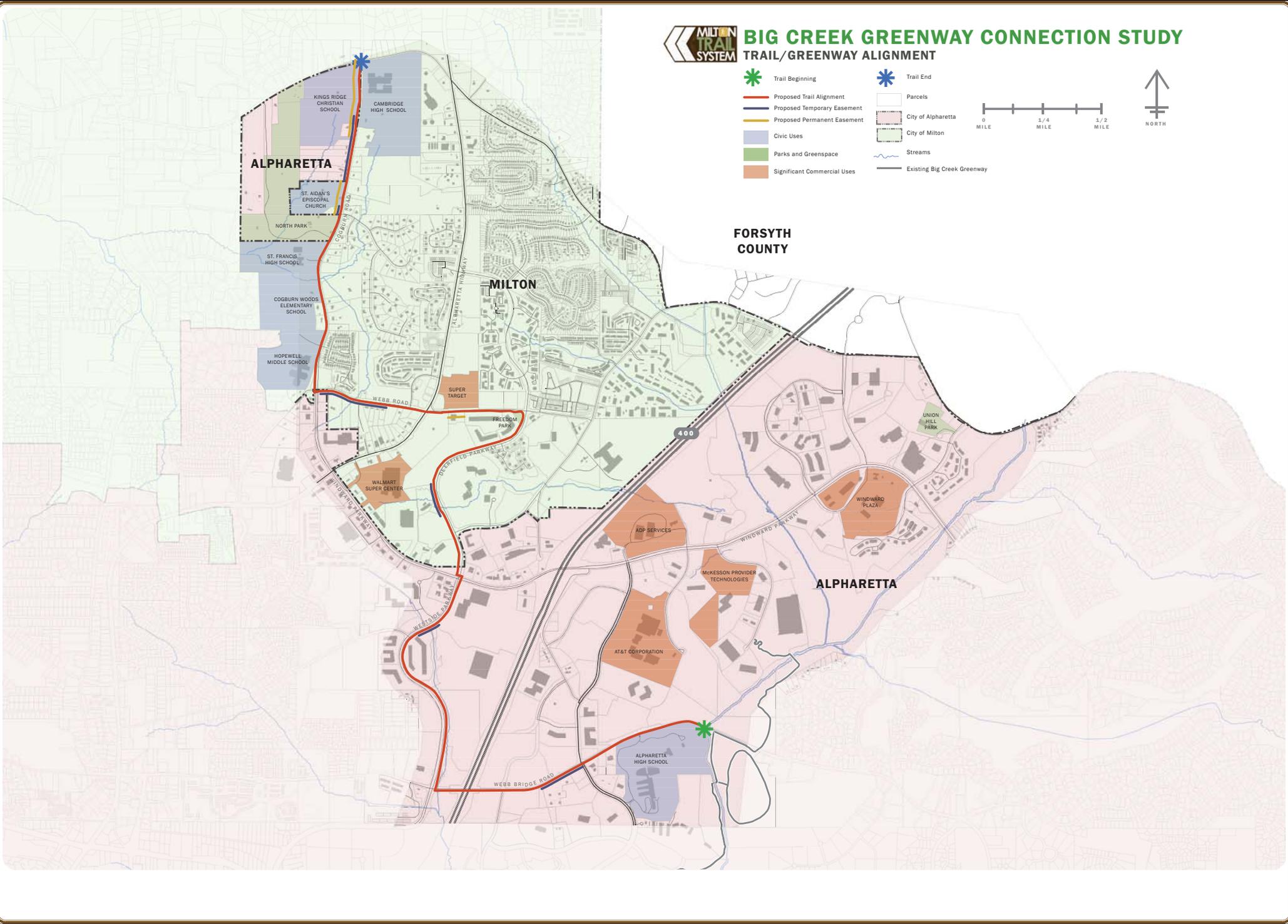
WEBB BRIDGE ROAD, looking east





BIG CREEK GREENWAY CONNECTION STUDY TRAIL/GREENWAY ALIGNMENT

- Trail Beginning
- Trail End
- Proposed Trail Alignment
- Proposed Temporary Easement
- Proposed Permanent Easement
- Civic Uses
- Parks and Greenspace
- Significant Commercial Uses
- Parcels
- City of Alpharetta
- City of Milton
- Streams
- Existing Big Creek Greenway



ALPHARETTA

MILTON

FORSYTH COUNTY

ALPHARETTA

KINGS RIDGE CHRISTIAN SCHOOL
CAMBRIDGE HIGH SCHOOL

ST. AIDAN'S EPISCOPAL CHURCH

NORTH PARK

ST. FRANCIS HIGH SCHOOL

COGBURN WOODS ELEMENTARY SCHOOL

HOPEWELL MIDDLE SCHOOL

ALPHARETTA HIGHWAY

WEBB ROAD

SUPER TARGET

FREEDOM PARK

WALMART SUPER CENTER

ADP SERVICES

MISSION PROVIDER TECHNOLOGIES

AT&T CORPORATION

ALPHARETTA HIGH SCHOOL

400

WINDWARD PARKWAY

WINDWARD PLAZA

UNION HILL PARK



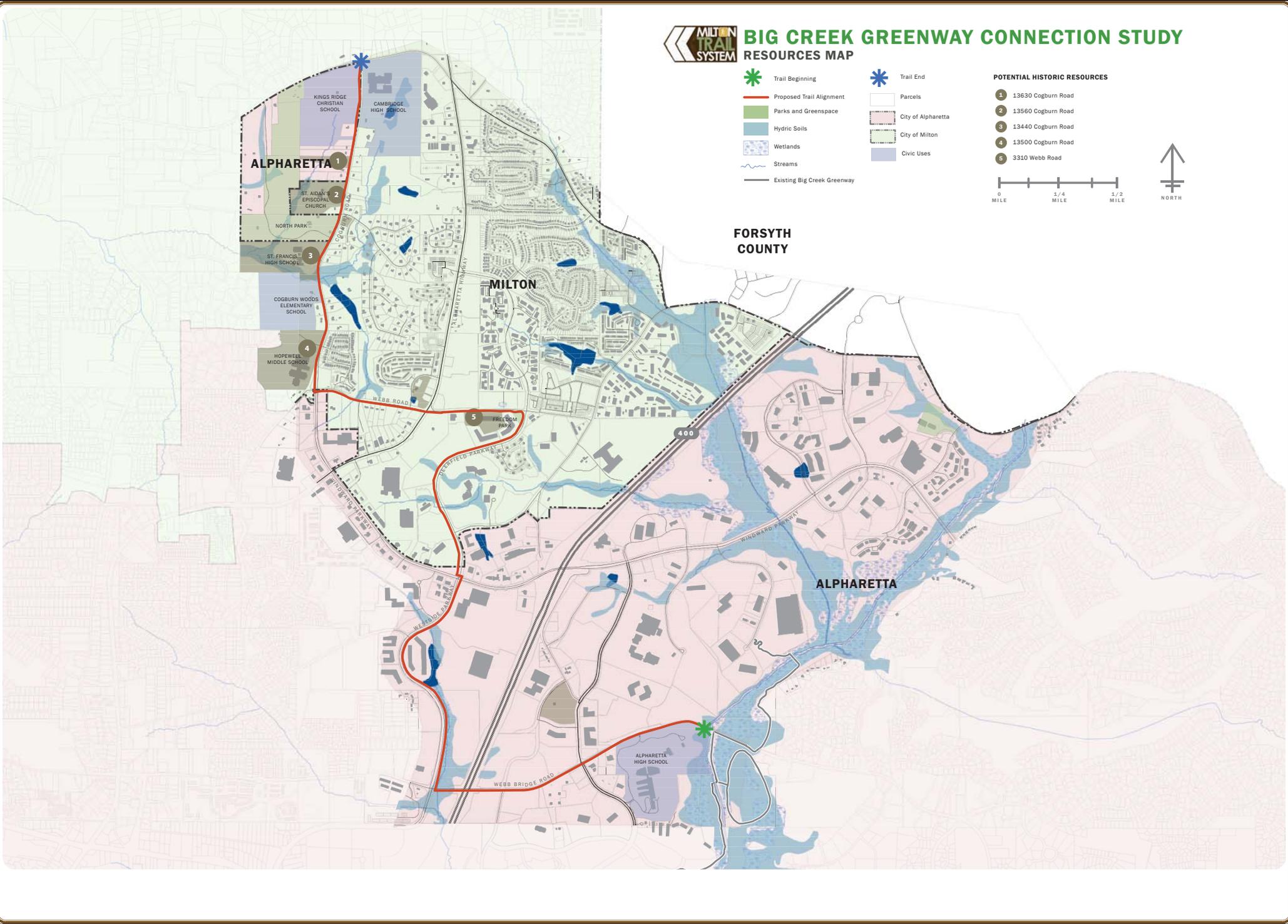
BIG CREEK GREENWAY CONNECTION STUDY

RESOURCES MAP

- Trail Beginning
- Trail End
- Proposed Trail Alignment
- Parks and Greenspace
- Hydric Soils
- Wetlands
- Streams
- Existing Big Creek Greenway
- Parcels
- City of Alpharetta
- City of Milton
- Civic Uses

POTENTIAL HISTORIC RESOURCES

- 1 13630 Cogburn Road
- 2 13560 Cogburn Road
- 3 13440 Cogburn Road
- 4 13500 Cogburn Road
- 5 3310 Webb Road



FORSYTH COUNTY

ALPHARETTA

MILTON

ALPHARETTA

ALPHARETTA HIGH SCHOOL

NORTH PARK

ST. AIDAN'S EPISCOPAL CHURCH

ST. FRANCIS HIGH SCHOOL

COGBURN WOODS ELEMENTARY SCHOOL

HOPEWELL MIDDLE SCHOOL

FREEDOM PARK

WEBB BRIDGE ROAD

400

WINDWARD PARKWAY

WEBB ROAD

WEBB BRIDGE ROAD



Concept Team Meeting Minutes

Concept Team Meeting

PI 0012881 (Fulton) – Big Creek Greenway Connection

Date/Time: November 5, 2015, 1:30 PM

Place: GDOT/OGC Large Conference Room, 25th Floor

Attendees: Andrew Kohr (Stantec); Sara Leaders (City of Milton); Kristin Winzeler (NFCID); Ashley Ikpwlue (GDOT Traffic Operations District 7); Tim Evans (GDOT – OPD); Oluchakwu Anyaebosi (GDOT – OPD); Kim Phillips (Design Policy GDOT); Nick Fields (GDOT District 7 Utilities); Bobby Dollars (GDOT OES)

Introductions and Overview.

Peter Emmanuel introduced the project and individual members introduced themselves. Peter provided an overview of the project and the scope of the project. As it currently stands no construction funds have been authorized and this is merely a scoping study. When this moves to PE, a new PI number will be developed to follow the project through to construction.

Review of Project Process

Andrew Kohr, representing Stantec Consulting, provided an overview of the project process and detailed the design process to date. He outlined the public engagement process and notified everyone of the upcoming PIOH on December 2, 2015.

Review of Concept Report

Each item on the concept report was reviewed in detail. Multiple questions were asked and answered during the meeting to get further clarification on correct responses.

Peter noted that a new GDOT PM would be identified in December to continue this process forward.

There was a discussion as to whether or not this project would be locally let. The City of Milton would ultimately make that decision.

Next Steps

At the close of the meeting, we identified next steps which included addressing comments and resubmitting to GDOT for additional review.

The meeting adjourned at 2:30 PM

Stantec Consulting Services Inc.

Design with community in mind

MEETING SIGN-IN SHEET

Project: PI 0012881, Fulton County – Concept Team Meeting

Meeting Date: November 5, 2015 @ 1:30 pm

Facilitator: Peter B. Emmanuel

Place/Room: OGC, Large Conference Room
25th Floor

Name	Company	Phone	E-Mail
ANDREW KOHN	STANTEC	4-556-8258	ANDREW.KOHN@STANTEC.COM
Kristin Winzeler	NFCID	678-397-0570	Kwinzeler@northfultonnoid.com
Ashley Ikpelue	GDOT Traffic Ops D7	(7) 986 1773	aiikpelue@dot.ga.gov
Tim Evans	OPD	4) 631-1555	tievans@dot.ga.gov
Oluochukwu Anyaebo	OPD	4) 631-1450	oanyaebo1@dot.ga.gov
Kim Phillips	Design Policy GDOT	404 631 1775	Kiphillips@dot.ga.gov
Sara Leaders	City of Milton	678-242-2559	Sara.Leaders@cityofmiltonga.us
Nick Fields	GDOT D7 UTILITIES	404-977-8509	nfields@dot.ga.gov
Bobby Dollars	GDOT OES	404-631-1920	RDollar@dot.ga.gov

CONCEPT TEAM MEETING COMMENTS/QUESTIONS

PI NO.: 0012881
COUNTY: Fulton
SPONSOR: City of Milton

SUBJECT: CTM – Big Creek Greenway Connection
DATE: Thursday, November 5, 2015
TIME: 1:30 PM – 2:30 PM

NOTE: The questions/comments below will be added to the concept team meeting minutes and may be incorporated into the projects if it is feasible.

NAME	Please provides us comments on the concept report and write down any questions/suggestions that you would like for us to address or incorporate into the projects.
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QUESTIONS/COMMENTS

Traffic Operations: I would just like to note that with multiuse path projects there is a special set of criteria in our Ped manual (and MUTCD) that directly applies to multiuse paths. Please make sure these are taken into account during design phase. This distinguishes between an "enhanced sidewalk" and a "multi use trail."