

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0012675 **OFFICE** Design Policy & Support
Forsyth County
GDOT District 1 - Gainesville **DATE** November 24, 2014
SR 9 @ 3 Locations & SR 400 @ 6 Locations
Signal Improvements

FROM  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:

Glenn Bowman, 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
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Mike Bolden, State Utilities Engineer
Richard Cobb, Statewide Location Bureau
Brent Cook, District Engineer
Justin Lott, District Design Engineer
Neil Kantner, District Utilities Engineer
Steven Heng, Project Manager
BOARD MEMBER - 7th & 9th Congressional Districts

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

Project Type: Signals (Reconstruction/Rehabilitation) P.I. Number: 0012675
 GDOT District: District 1 County: Forsyth
 Federal Route Number: N/A State Route Number: 9, 20, 306, 369, 400
 Project Number: _____

SR 9 @ 3 LOCS & SR 400 @ 6 LOCS IN FORSYTH COUNTY

Submitted for approval:

Meredith Emory 8/27/14
 Meredith Emory, EIT, Kimley-Horn DATE

Albert Shelby 9.18.14
 State Program Delivery Engineer DATE

Steve Henry 9/15/14
 GDOT Project Manager DATE

** recommendation on file*

Recommendation for approval:
* Hiral Patel / KLP 10-6-14
 State Environmental Administrator DATE

* Kathy Zahul / KLP 9-25-14
 State Traffic Engineer DATE

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

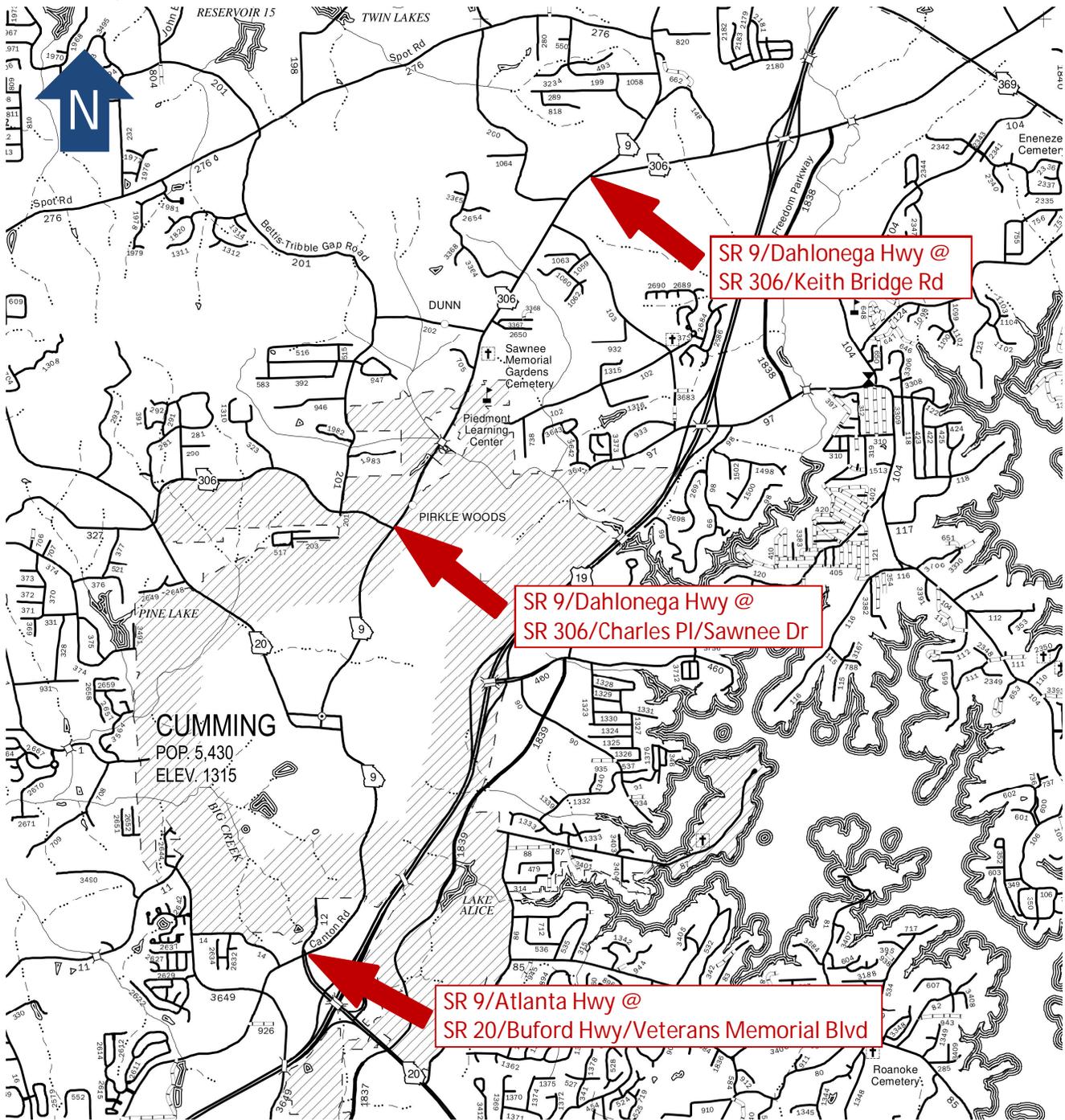
Conklevia K. Nauspe 9-23-14
 State Transportation Planning Administrator DATE

Approval:

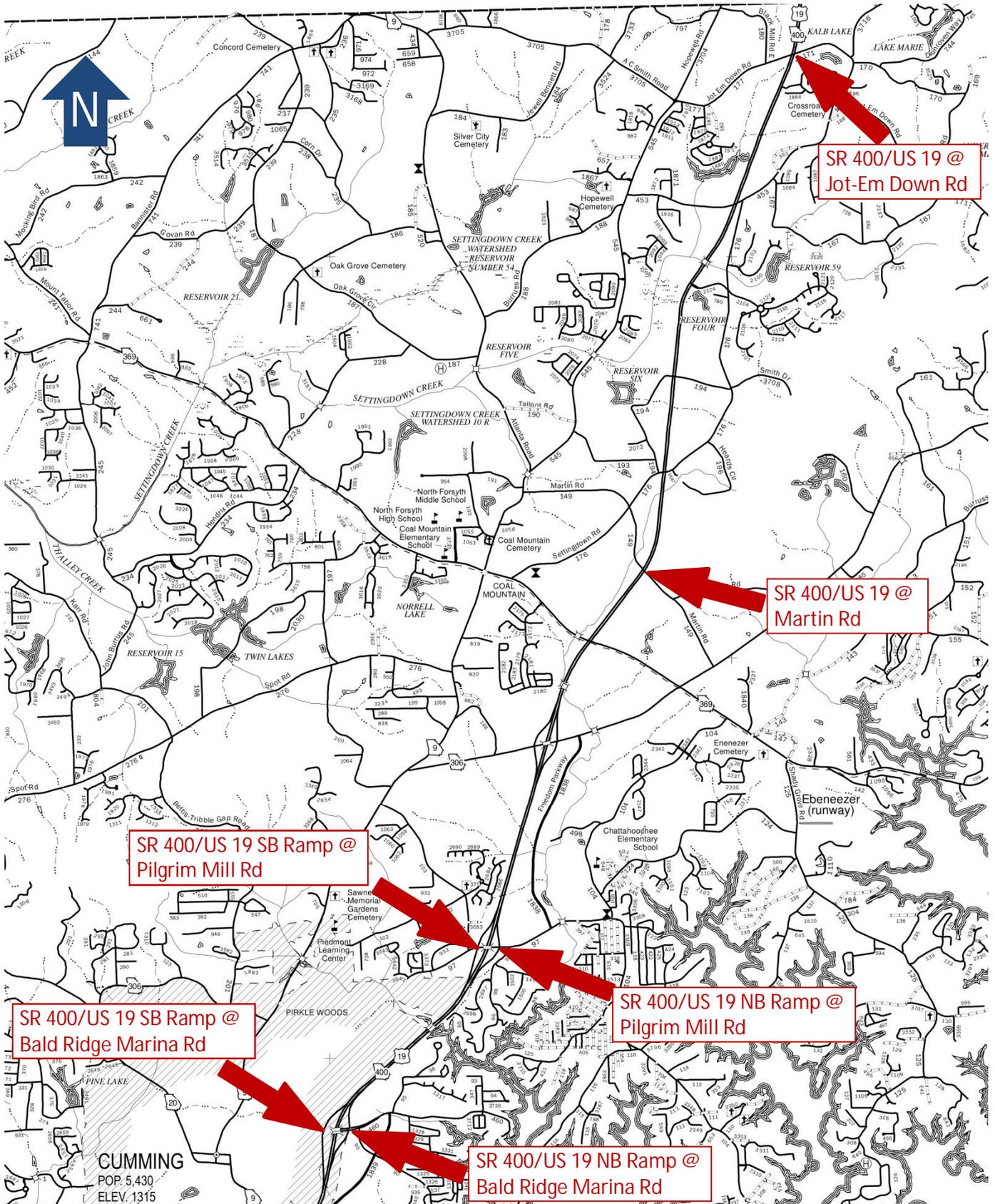
Concur: [Signature] 10/15/14
 GDOT Director of Engineering DATE

Approve: [Signature] 10/20/14
 GDOT Chief Engineer DATE

SR 9 (Map Not to Scale)



SR 400 (Map Not to Scale)



County: Forsyth

PLANNING & BACKGROUND DATA

Project Justification Statement: There are nine (9) signalized intersections in Forsyth County in need of improvements to address compliance with current GDOT standards, compliance with the Manual on Uniform Traffic Control Devices (MUTCD), and the requirements of the Americans with Disabilities Act (ADA). The proposed project will enhance efficiency for vehicular and pedestrian movements at several locations by providing upgraded traffic signal equipment and pedestrian platforms, energy saving LED signal heads, wheelchair ramps, pedestrian signals, and crosswalk striping.

The intersections listed in Table 1 and located in Forsyth County have been identified by The Office of Traffic Operations as high priority for minor intersection improvements. Table 1 also shows the reason the District has identified these intersections to be upgraded. The proposed project is to be included in the Regionwide Signal Upgrade Program Lump Sum.

Table 1: Intersection Upgrade Needs

County	City	Primary Route	Intersecting Road	Reason for Upgrade
Forsyth	Cumming	SR 9/Dahlonega Hwy	SR 306/Keith Bridge Rd	Obsolete Equipment/ADA
Forsyth	Cumming	SR 9/Dahlonega Hwy	SR 306/Charles Pl/Sawnee Dr	Obsolete Equipment/ADA
Forsyth	Cumming	SR 9/Atlanta Hwy	SR 20/Buford Hwy/Veterans Memorial Blvd	Obsolete Equipment/ADA
Forsyth	Cumming	SR 400/US 19	Jot-Em Down Rd	Obsolete Equipment/ADA
Forsyth	Cumming	SR 400/US 19	Martin Rd	Obsolete Equipment/ADA
Forsyth	Cumming	SR 400/US 19 SB Ramp	Pilgrim Mill Rd	Obsolete Equipment/ADA
Forsyth	Cumming	SR 400/US 19 NB Ramp	Pilgrim Mill Rd	Obsolete Equipment/ADA
Forsyth	Cumming	SR 400/US 19 SB Ramp	Bald Ridge Marina Rd	Obsolete Equipment/ADA
Forsyth	Cumming	SR 400/US 19 NB Ramp	Bald Ridge Marina Rd	Obsolete Equipment/ADA

Existing conditions:

- SR 9/Dahlonega Hwy at SR 306/Keith Bridge Rd is a two-lane roadway with 12-foot lanes and a left-turn lane from SR9 SB.
- SR 9/Dahlonega Hwy at SR 306/Charles Pl/Sawnee Dr is a two-lane roadway with 19-foot lanes and left-turn lanes.
- SR 9/Atlanta Hwy at SR 20/Buford Hwy/Veterans Memorial Blvd is a three-lane roadway with 13-foot lanes, left-turn lanes, and right-turn lanes.
- SR 400/US 19 at Jot-Em Down Rd is a four-lane divided roadway with 13-foot lanes, grass medians, offset left-turn lanes, and right turn lanes.
- SR 400/US 19 at Martin Rd is a four-lane divided roadway with 13-foot lanes, grass medians, offset left-turn lanes, and right turn lanes.
- SR 400/US 19 SB ramp terminates at Pilgrim Mill Rd with a left-turn lane and a right-turn lane.
- SR 400/US 19 NB ramp terminates at Pilgrim Mill Rd with a left-turn lane and a right-turn lane.
- SR 400/US 19 SB ramp terminates at Bald Ridge Marina Rd with a left-turn lane and a right-turn lane.
- SR 400/US 19 NB ramp terminates at Bald Ridge Marina Rd with dual left-turns lane and a right-turn lane.

County: Forsyth

Other projects in the area:

- 121690 – SR 9: Segment 4 from SR 141 to SR 20 / Status: Programmed – This project involves adding one general purpose lane in each direction along SR 9 (Atlanta Highway) between SR 141 (Peachtree Parkway /Bethelview Road) and SR 20 (Buford Highway). Also included will be a 16-foot raised median, a 16-foot outside urban shoulder containing curb and gutter, and an 8-foot multi-use path on each side.
- 0002392 – Metro Arterial Connector – SR 20 from Samples Rd / Trammel Rd to James Burgess Rd / Status: Programmed - This project involves widening the road from 2 to 4 lanes and adding a 44' depressed median. The Metro Arterial Connector (MAC) is a network of state highways approximately 180 miles in length encircling the Atlanta region. Roadways comprising the MAC (primarily SR 20 and SR 92) are proposed to have a minimum of four travel lanes along its entire length. At least 30 capacity projects are already planned along the MAC over the timeframe of the RTP. A study will be conducted to determine how these individual projects can be engineered and constructed in a holistic and logical manner to maximize the mobility, safety, accessibility and growth management benefits which would best serve multimodal needs (auto, truck, transit, bicycling, walking) and include land use policies, access management regulations, and ITS components to ensure network uniformity.
- 0010211 – SR 369 (Browns Bridge Rd) Bridge Replacement and Widening / Status: Programmed - This project will replace the existing bridge which has a sufficiency rating of 45.10. The proposed bridge will consist of two 12-foot lanes with 8-foot shoulders. The roadway approaches will be reconstructed to provide two 12-foot lanes and 10-foot shoulders. The shoulder will include a 6.5-foot paved shoulder.
- FT-329 – Lanier Parkway New Alignment / Status: Programmed - This project will construct a new road on Lanier Parkway from Pirkle Ferry Road to Pilgrim Mill Road.

Description of the proposed project: The project will upgrade equipment, accommodate pedestrians, and update pedestrian facilities to meet current ADA standards at the following intersections:

- SR 9/Dahlonega Hwy @ SR 306/Keith Bridge Rd
- SR 9/Dahlonega Hwy @ SR 306/Charles Pl/Sawnee Dr
- SR 9/Atlanta Hwy @ SR 20/Buford Hwy/Veterans Memorial Blvd
- SR 400/US 19 @ Jot-Em Down Rd
- SR 400/US 19 @ Martin Rd
- SR 400/US 19 SB Ramp @ Pilgrim Mill Rd
- SR 400/US 19 NB Ramp @ Pilgrim Mill Rd
- SR 400/US 19 SB Ramp @ Bald Ridge Marina Rd
- SR 400/US 19 NB Ramp @ Bald Ridge Marina Rd

The standard project limits will be 200 feet from the center point of the intersection; should setback loops need replacement, the project limits will be 500 feet from the center point of the intersection. If setback loops are present, the survey should include the edge of pavement and property lines to the setback loop. Standard erosion control details should be used. Traffic studies are not needed for this project. The scope of this project will be limited to equipment upgrades, pedestrian accommodations, and updating pedestrian facilities to meet ADA standards.

MPO: Atlanta TMA

TIP #: N/A

TIA Regional Commission: Not a TIA Project

TIA RC Project ID: N/A

Congressional District(s): 7, 9

Federal Oversight: Exempt State Funded Other

Projected Traffic: N/A

Current Year (20WW): N/A Open Year (20XX): N/A

Design Year (20YY): N/A

Traffic Projections Performed by: N/A

Functional Classification (Mainline):

- SR 9 – Urban Minor Arterial
- SR 9 – Urban Principal Arterial
- SR 400 – Urban Principal Arterial
- SR 400 – Urban Freeway and Expressway

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

Warrants met: None Bicycle Pedestrian Transit

DESIGN AND STRUCTURAL

Description of Proposed Project:

Major Structures: N/A

Mainline Design Features:

SR 9 – Urban Minor Arterial

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2	N/A	N/A
- Lane Width(s)	12 ft – 19 ft	N/A	N/A
- Sidewalks	Yes and No	N/A	N/A
Posted Speed	35 mph – 55 mph; School Zone 25 mph		N/A

SR 9 – Urban Principal Arterial

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	3	N/A	N/A
- Lane Width(s)	13 ft – 19 ft	N/A	N/A
- Sidewalks	No	N/A	N/A
Posted Speed	45 mph		N/A

County: Forsyth

SR 400/US 19 – Urban Principal Arterial

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	4	N/A	N/A
- Lane Width(s)	12 ft	N/A	N/A
- Median Width & Type	Width Varies, Grass	N/A	N/A
- Sidewalks	No	N/A	N/A
Posted Speed	65 mph		N/A

SR 400/US 19 – Urban Freeway and Expressway

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	4	N/A	N/A
- Lane Width(s)	13 ft	N/A	N/A
- Median Width & Type	Width Varies, Grass	N/A	N/A
- Sidewalks	No	N/A	N/A
Posted Speed	65 mph		N/A

Major Interchanges/Intersections:

- SR 9/Dahlonega Hwy @ SR 306/Keith Bridge Rd
- SR 9/Dahlonega Hwy @ SR 306/Charles Pl/Sawnee Dr
- SR 9/Atlanta Hwy @ SR 20/Buford Hwy/Veterans Memorial Blvd
- SR 400/US 19 @ Jot-Em Down Rd
- SR 400/US 19 @ Martin Rd
- SR 400/US 19 SB Ramp @ Pilgrim Mill Rd
- SR 400/US 19 NB Ramp @ Pilgrim Mill Rd
- SR 400/US 19 SB Ramp @ Bald Ridge Marina Rd
- SR 400/US 19 NB Ramp @ Bald Ridge Marina Rd

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 Exceptions to FHWA/AASHTO controlling criteria anticipated: None

Design Variances to GDOT Standard Criteria anticipated: None.

UTILITY AND PROPERTY

Temporary State Route Needed: No Yes Undetermined

Railroad Involvement: None

Utility Involvements: Power service will be required for Advanced Warning Beacons. Utility companies are as follows:

- Georgia Power – Electric Distribution
- Sawnee EMC – Electric Distribution
- Forsyth County – Water and Sewer
- City of Cumming – Water and Sewer
- North Georgia Network – Telecom
- AT&T – Telecom
- Windstream - Telecom
- Comcast – Cable TV

The following intersections are anticipated to have utility impacts/conflicts:

- SR 9/Dahlonega Hwy @ SR 306/Charles Pl/Sawnee Dr
- SR 9/Dahlonega Hwy @ SR 306/Keith Bridge Rd
- SR 9/Atlanta Hwy @ SR 20/Buford Hwy/Veterans Memorial Blvd

SUE Required: No Yes

Public Interest Determination Policy and Procedure recommended (Utilities)? No Yes

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

Anticipated number of impacted parcels:	N/A
Displacements anticipated:	Total: N/A
	Businesses: N/A
	Residences: N/A
	Other: N/A

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: None anticipated.

County: Forsyth

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
- Is a Carbon Monoxide hotspot analysis required? No Yes

NEPA/GEPA Comments & Information: Based on the nature of the project, impacts to history, archaeology, ecology, air, and noise are expected to be minimal to none.

COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Project Meetings: Project Kick-Off Meeting 06/12/2014. Meeting minutes attached.

Project Activity	Party Responsible for Performing Task(s)
Concept Development	Kimley-Horn (Atkins)
Design	Kimley-Horn (Atkins)
Right-of-Way Acquisition	GDOT
Utility Relocation	GDOT
Letting to Contract	GDOT
Construction Supervision	GDOT
Providing Material Pits	N/A
Providing Detours	N/A
Environmental Studies, Documents, and Permits	Atkins
Environmental Mitigation	N/A
Construction Inspection & Materials Testing	GDOT

Other coordination to date: Kick-Off Meeting 06/12/2014

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
Funded By	GDOT	GDOT	GDOT	GDOT	N/A	
\$ Amount	\$416,812.02	\$0	\$0	\$1,267,416.05	N/A	\$1,684,228.07
Date of Estimate	4/1/2014			11/19/2014		

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

ALTERNATIVES DISCUSSION

No-Build Alternative:			
Estimated Property Impacts:	N/A	Estimated Total Cost:	N/A
Estimated ROW Cost:	N/A	Estimated CST Time:	N/A
Rationale: Does not fulfill the objectives of the Project Justification Statement			

Comments/Additional Information: None

LIST OF ATTACHMENTS/SUPPORTING DATA

1. Revisions to Program Costs
2. Cost Estimate
3. Kick-Off Meeting Minutes

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0012675

OFFICE Program Delivery

PROJECT DESCRIPTION

SR 9 @ 3 LOC & SR 400 @ 6 LOC IN FORSYTH COUNTY

DATE November 19, 2014

From: Albert Shelby, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: **REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER Steven Heng

MGMT LET DATE

MGMT ROW DATE

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 875,000.00

DATE 4/24/2014

RIGHT OF WAY \$ 350,000.00

DATE 4/24/2014

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$ 1,267,416.05

RIGHT OF WAY \$ -

UTILITIES \$ -

*Cost Contains 5 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

Original project cost was the programming estimate. Updated construction cost estimate was determined using knowledge from the field visit and proposed work to intersections. Project Type: Reconstruction/Rehabilitation; Risk: Low; Project Phase: Concept

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	1,149,583.72	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	57,479.19	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	60,353.15	Base Estimate (A) + E & I (B) x	5 %
			See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	-	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	1,267,416.05	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS:

STATE HIGHWAY AGENCY
 DATE : 11/19/2014
 JOB DETAIL ESTIMATE

JOB NUMBER : 0012675 SPEC YEAR: 01
 DESCRIPTION: SR 9 @ 3 LOC & SR 400 @ 6 LOC IN FORSYTH COUNTY

ITEMS FOR JOB 0012675

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 0012675	1.000	61083.75	61083.75
0010	163-0232		AC	TEMPORARY GRASSING	1.000	241.14	241.14
0015	163-0240		TN	MULCH	10.000	326.69	3266.91
0020	163-0550		EA	CONS & REM INLET SEDIMENT TRAP	20.000	122.85	2457.07
0025	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	2000.000	1.81	3631.80
0030	210-0100		LS	GRADING COMPLETE - 0012675	1.000	2000.00	2000.00
0035	441-0108		SY	CONC SIDEWALK, 8 IN	610.000	66.71	40698.99
0040	636-1020		SF	HWY SGN, TP1MAT, REFL SH TP3	150.000	16.98	2548.00
0045	636-1033		SF	HWY SIGNS, TP1MAT, REFL SH TP 9	624.000	19.41	12114.65
0050	636-2080		LF	GALV STEEL POSTS, TP 8	128.000	9.20	1178.78
0055	636-2090		LF	GALV STEEL POSTS, TP 9	128.000	8.56	1095.80
0060	639-4004		EA	STRAIN POLE, TP IV	40.000	7421.97	296878.82
0065	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 1	1.000	75000.00	75000.00
0070	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 2	1.000	100000.00	100000.00
0075	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 3	1.000	75000.00	75000.00
0080	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 4	1.000	75000.00	75000.00
0085	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 5	1.000	75000.00	75000.00
0090	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 6	1.000	75000.00	75000.00
0095	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 7	1.000	75000.00	75000.00
0100	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 8	1.000	75000.00	75000.00
0105	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 9	1.000	75000.00	75000.00
0115	652-2501		LM	SOLID TRAF STRIPE, 5 IN, WHITE	1.000	830.45	830.45
0120	652-2502		LM	SOLID TRAF STRIPE, 5 IN, YELLO	1.000	824.54	824.54
0125	652-3501		GLM	SKIP TRAF STRIPE, 5 IN, WHITE	1.000	398.49	398.49
0130	652-5701		LF	SOLID TRAF STRIPE, 24", WHITE	2645.000	3.47	9200.63
0135	652-5801		LF	SOLID TRAF STRIPE, 8 IN, WHITE	5000.000	1.10	5500.00
0140	700-6910		AC	PERMANENT GRASSING	1.000	954.10	954.11
0145	700-7000		TN	AGRICULTURAL LIME	5.000	72.77	363.86
0150	700-8000		TN	FERTILIZER MIXED GRADE	5.000	647.94	3239.73
0155	700-8100		LB	FERTILIZER NITROGEN CONTENT	300.000	3.58	1076.20
ITEM TOTAL							1149583.70
INFLATED ITEM TOTAL							1149583.72

TOTALS FOR JOB 0012675

ESTIMATED COST:	1149583.72
CONTINGENCY PERCENT (5.0):	57479.19
ESTIMATED TOTAL:	1207062.91

Meeting Notes

PROJECT: ITS On-Call Task Order #4
PI #: 0012674

SUBJECT: Kick-off Meeting Minutes

DATE AND TIME: June 12, 2014 – 8:30 MEETING NO: 1

MEETING PLACE: Field MINUTES BY: Alvin James Jr./Meredith Emory

<u>PRESENT:</u>	Charles Humphries	<u>REPRESENTING:</u>	Comcast
	Lorie Short		AT&T
	John Gay		Southern Company
	Johnny Millwood		Forsyth County
	Steve Heng		GDOT
	Kevin York		GDOT
	Chris McJunkin		GDOT
	Shane Giles		GDOT
	Dale Sutton		GDOT
	Vickie Simmons		GDOT
	Jason Dykes		GDOT
	Troy Gallaway		GDOT
	Samuel Harris		GDOT
	Douglas Fadool		GDOT
	Harold Mull		GDOT
	Alvin James, Jr.		Kimley-Horn
	Meredith Emory		Kimley-Horn
	Ashlyn Morgan		Atkins

<u>CC:</u>	Alan Davis	<u>REPRESENTING:</u>	GDOT
	Tim Ashton		Georgia Transmission

MINUTES:

SR 400 @ SR 369/Browns Bridge Road

- Overhead utilities present – phone, cable, & power
- Underground utilities present – water & cable
- Right-of-way constraints on SW corner along SR 369
- Future development on SR 369. Follow up with District office.
- Master controller with wireless interconnect
- Maintain existing phone drop
- Maintain existing overhead beacons along SR 400
- Install 332 cabinet with BBS & 2070 controller
- Upgrade all poles with concrete
- Install loops
- Add pedestrian signals and accommodations
- Landing pads in ramps for peds
- Maintain wireless interconnect

SR 400 @ Martin Road

- Overhead utilities present – phone, cable, & power
- Underground utilities present – water & cable
- No right-of-way constraints
- Maintain existing overhead beacons along SR 400
- Rerun power to beacons
- Install 332A cabinet with BBS & 2070 controller
- Upgrade all poles with concrete
- Install loops
- Add pedestrian signals and accommodations
- Landing pads in radii for pedestrians
- Add flashing yellow arrow (FYA)
- Install wireless interconnect to SR 369

SR 400 @ Bald Ridge Marina Northbound (NB)

- Overhead utilities present – phone, cable, & power
- Underground utilities present – cable
- No right-of-way constraints
- Remove signal head signs
- Install 332 cabinet & 2070 controller
- Upgrade all poles with concrete
- Install loops
- Add pedestrian signals and accommodations
- Provide pedestrian access with buttons in existing center median
- Landing pads in radii for pedestrians
- District to verify crosswalk crossing right turn lane onto ramp
- Add flashing yellow arrow (FYA)
- GDOT will determine condition of existing interconnect to Bald Ridge Marina SB

SR 400 @ Bald Ridge Marina Southbound (SB)

- Overhead utilities present – phone, cable, & power
- Underground utilities present – cable
- No right-of-way constraints
- Remove signal head signs
- Install 332 cabinet with BBS & 2070 controller
- Upgrade all poles with concrete
- Install loops
- Add pedestrian signals and accommodations
- Provide pedestrian access with buttons in existing center median
- Landing pads in radii for pedestrians
- District to verify crosswalk crossing right turn lane onto ramp
- Add flashing yellow arrow (FYA)
- GDOT will determine condition of existing interconnect to Bald Ridge Marina NB

SR 400 @ Jot-em-down Road

- Overhead utilities present – phone, cable, & power
- Underground utilities present – water & cable
- No right-of-way constraints
- Upgrade existing advance beacon signs to 48” along SR 400
- Replace advance beacon poles along SR 400
- Install 332A cabinet with BBS & 2070 controller
- Upgrade all poles with concrete
- Install loops
- Add pedestrian signals and accommodations
- Landing pads in radii for pedestrians
- Install raised islands where possible
- Add flashing yellow arrow (FYA)

SR 9 @ SR 369

- Remove – will be replaced with SR 400 Northbound (NB) @ Pilgrim Mill Road

SR 9 @ SR 20/Veterans Memorial/Buford Highway

- Overhead utilities present – phone, cable, & power
- Underground utilities present – cable
- Overhead utility conflicts on north side of intersection
- Right-of-way constraints on southwest corner
- Consider additional right-of-way on southwest corner
- District to investigate increasing radius on southeast corner
- Install raised islands where possible
- Install 332 cabinet & 2070 controller
- Upgrade poles with concrete
- Consider joint-use if utilities are an issue.
- Install loops
- Add pedestrian signals and accommodations
- Landing pads in radii for pedestrians
- Install raised islands where possible
- Consider two-stage crossing to cross Buford Hwy
- Relocate fiber drop cable to new cabinet
- Remove yield sign for southbound approach

SR 9 @ Buford Dam Road

- Remove – recently upgraded – will be replaced with SR 400 Southbound @ Pilgrim Mill Road

SR 9 @ SR 306/Charles Place

- Overhead utilities present – phone, cable, & power
- Overhead utilities conflicts on west side of intersection
- Right-of-way constraints on southwest & northwest corners
- Consider additional right-of-way on southwest & northwest corners
- Install 332 cabinet & 2070 controller
- Consider tandem mast arms
- Install loops
- Add pedestrian signals and accommodations
- Consider L-crossing for crosswalks. District to coordinate
- Landing pads in radii for pedestrians
- Existing fiber between here and Tribble Gap Road. Drop cables will need to be re-spliced.

SR 9 @ SR 141/Bethelview

- Remove – will be replaced by SR 9 @ SR 306

SR 400 Southbound (SB) @ Pilgrim Mill Road

- Added intersection
- Overhead utilities present – phone, cable, & power
- Underground utilities present – cable
- No right-of-way constraints
- Install 332A cabinet & 2070 controller
- Install loops
- Upgrade poles with concrete
- Add pedestrian signals and accommodations
- Install L-crossing for crosswalks. District to coordinate
- Remove crosswalks crossing Pilgrim Mill Road inside ramp
- Install crosswalk to right of ramp (outside of ramp)
- Landing pads in radii and island for pedestrians
- Install flashing yellow arrow (FYA)
- Install wireless interconnect to SR 400 NB – dependent on fiber condition survey
- GDOT will determine condition of existing fiber

SR 400 Northbound (NB) @ Pilgrim Mill Road

- Added intersection
- Overhead utilities present – phone, cable, & power
- Underground utilities present – cable
- No right-of-way constraints
- Install 332A cabinet & 2070 controller
- Upgrade poles with concrete
- Install loops
- Add pedestrian signals and accommodations
- Install L-crossing
- Remove crosswalks crossing Pilgrim Mill Road inside ramp
- Install crosswalk to right of ramp (outside of ramp)
- Landing pads in radii and island for pedestrians
- Install flashing yellow arrow (FYA)
- Install wireless interconnect to SR 400 SB – dependent on fiber condition survey
- GDOT will determine condition of existing fiber

SR 9 @ SR 306

- Added intersection
- Overhead utilities present – phone, cable, & power
- Underground utilities present – cable
- Overhead utility conflicts on west side of road
- Right-of-way constraints on northeast corner
- Consider joint-use self-supporting strain pole on northeast corner
- Consider joint-use poles along west side of intersection
- Upgrade pole on southeast corner with concrete
- Install 332A cabinet & 2070 controller
- May consider mast arms
- Incorporate supplemental head for sight distance
- Install loops

- Add pedestrian signals and accommodations
- Landing pads in radii for pedestrians

This document represents Kimley-Horn's interpretation of the meeting. Please contact Alvin James at alvin.james@kimley-horn.com or 404-201-6137 if you have any questions, comments or concerns.

Attachments:
Sign-in Sheet