

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. # 0013230 **OFFICE** Design Policy & Support  
Gwinnett County  
GDOT District 1 - Gainesville **DATE** 11/3/2016  
Signal Upgrades @ 14 Locations in Gwinnett

**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:**

Hiral Patel, Director of Engineering  
Joe Carpenter, 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  
Andrew Heath, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Lisa Myers, State Project Review Engineer  
Monica Flournoy, State Materials and Testing Administrator  
Patrick Allen, State Utilities Engineer  
Richard Cobb, Statewide Location Bureau Chief  
Brent Cook, District Engineer  
Brandon Kirby, District Preconstruction Engineer  
Robby Oliver, District Utilities Engineer  
Heidi Schneider, Project Manager  
BOARD MEMBER - 7th Congressional District

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

Project Type: Signal Upgrade P.I. Number: 0013230  
GDOT District: District 1 County: Gwinnett  
Federal Route Number: 29 State Route Number: 8, 13, 20, 120, 124,  
141, 264, 317, 378  
Project Number: \_\_\_\_\_

Signal Upgrades @ 14 locations in Gwinnett County

**Submitted for approval:**

Ashlyn Morgan 10-3-16  
Ashlyn Morgan, PE, PTOE, Atkins Date  
Albert V. Shelby III 10-6-16  
State Program Delivery Engineer Date  
Heidi Schneid 10-4-16  
GDOT Project Manager Date

**Recommendation for approval:** (Delete any inapplicable signature lines)

\* Eric Duff/KLP 10-25-16  
State Environmental Administrator Date  
 Environmental Surveys for history and ecology are complete. (Surveys are complete means that the field survey has been performed and the survey report has been completed and reviewed by the Office of Environmental Services)  
\* Christopher Raymond/KLP 10-17-16  
FOR State Traffic 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).

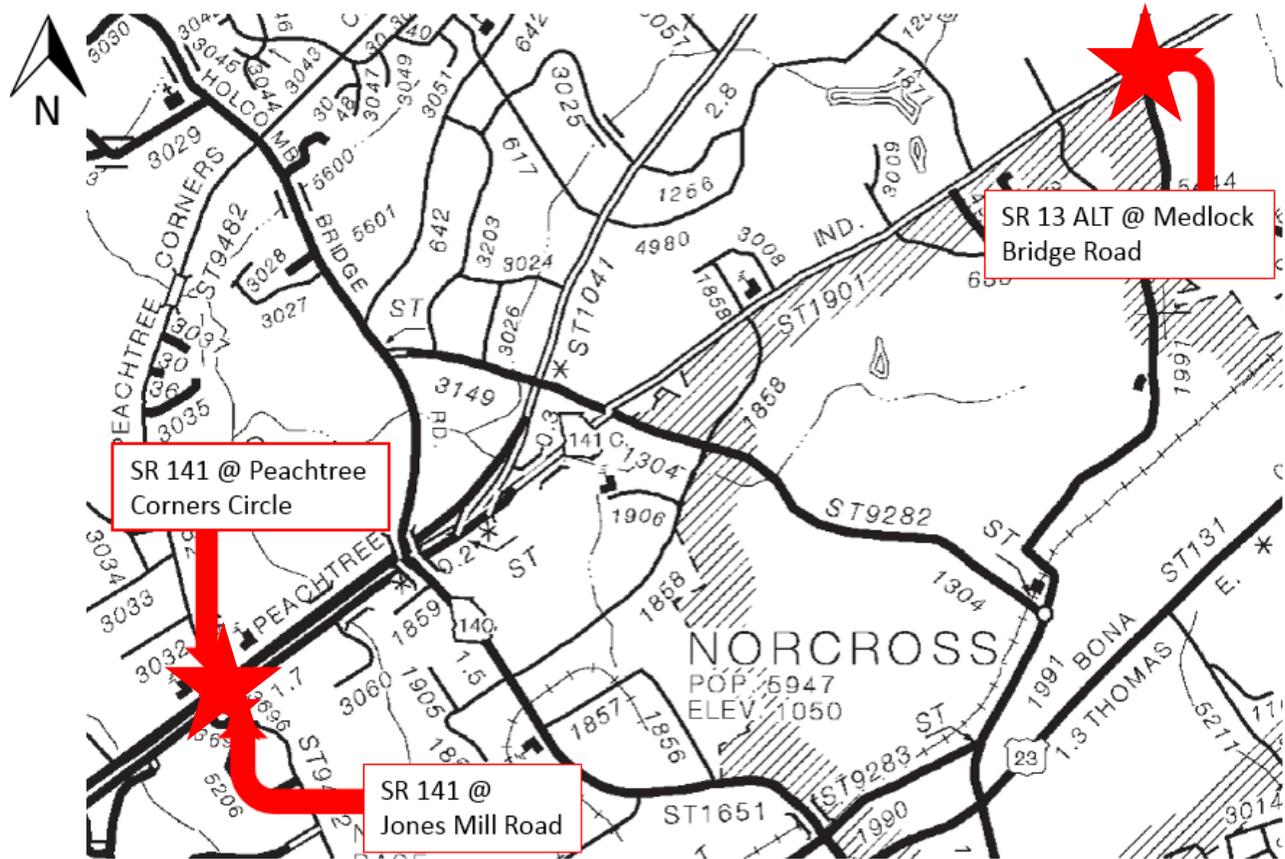
Christina L. Naegele 10-12-16  
State Transportation Planning Administrator Date

**Approval:**

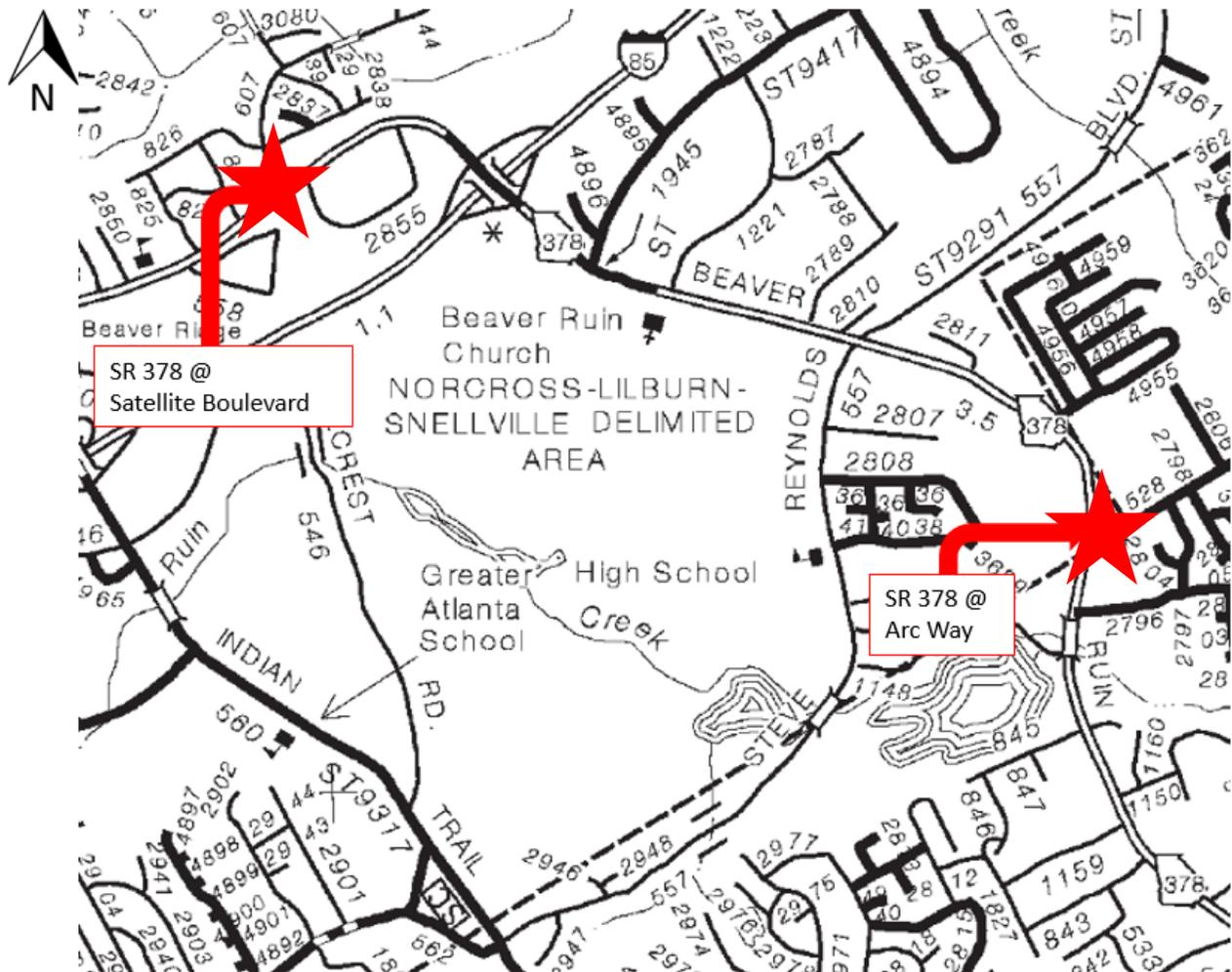
Concur: Hiral Patel 10-28-16  
GDOT Director of Engineering Date

Approve: Margaret B. Finkle 10-28-16  
GDOT Chief Engineer Date

### PROJECT LOCATION MAP: Gwinnett County (Not to Scale)

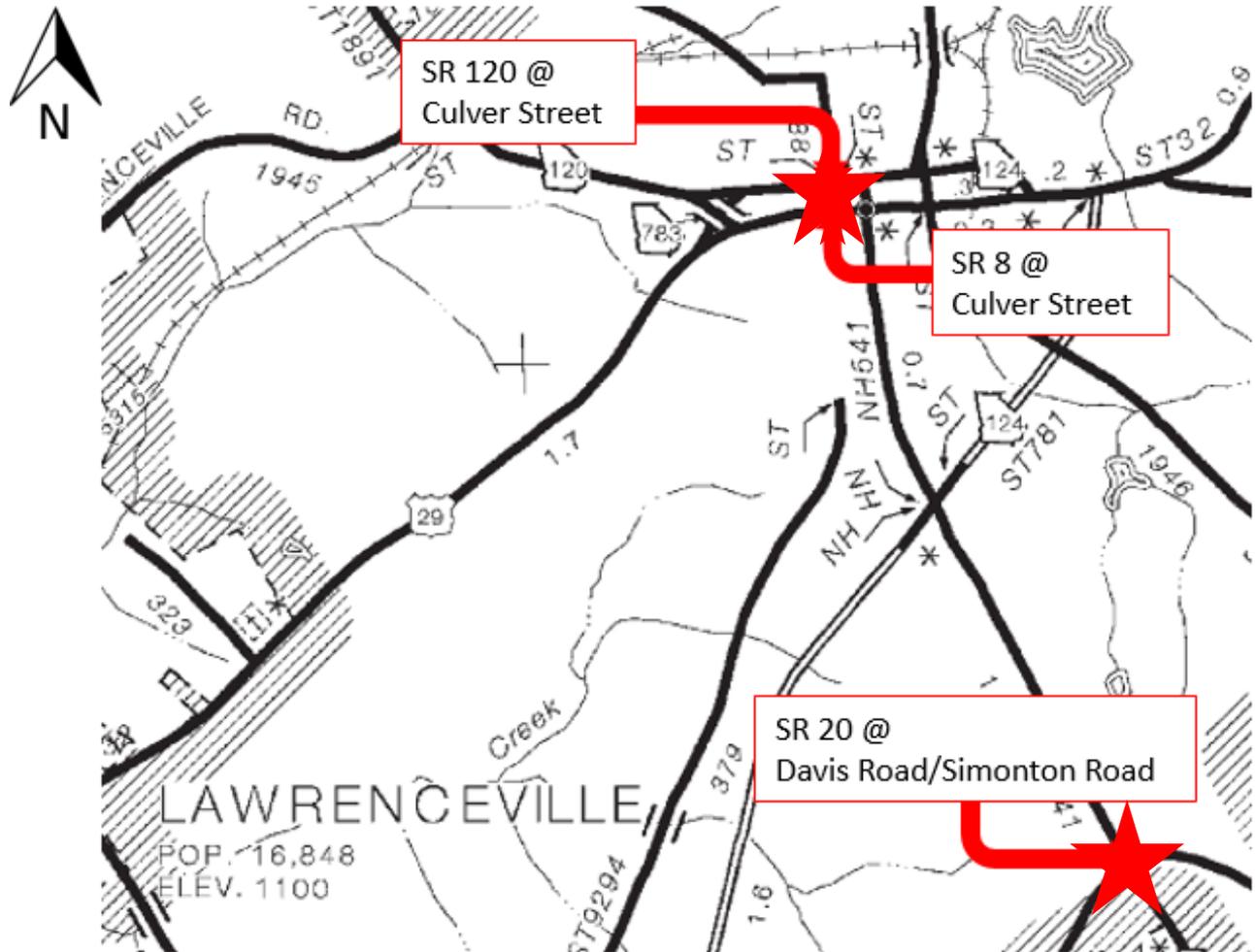


### PROJECT LOCATION MAP: Gwinnett County (Not to Scale)

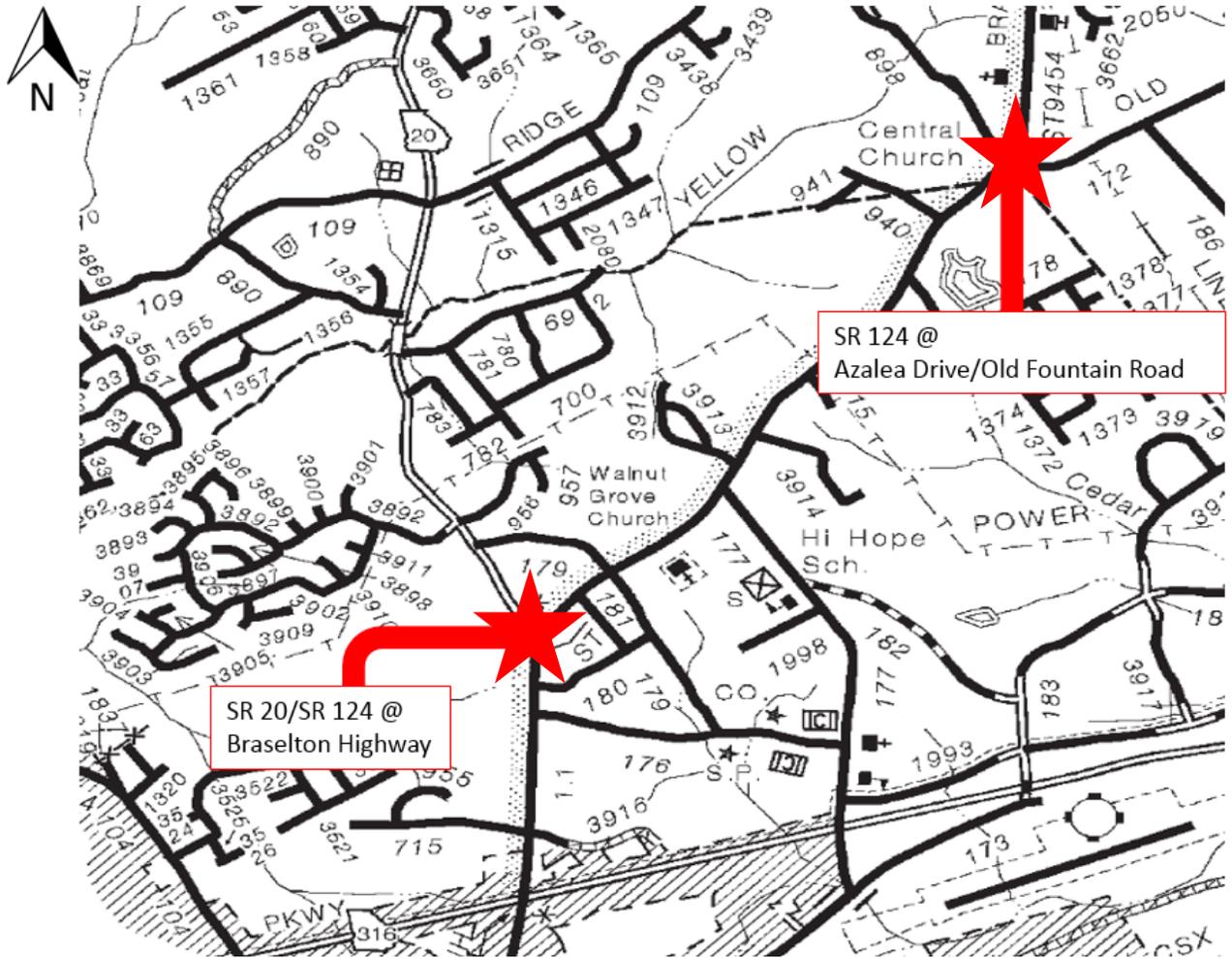




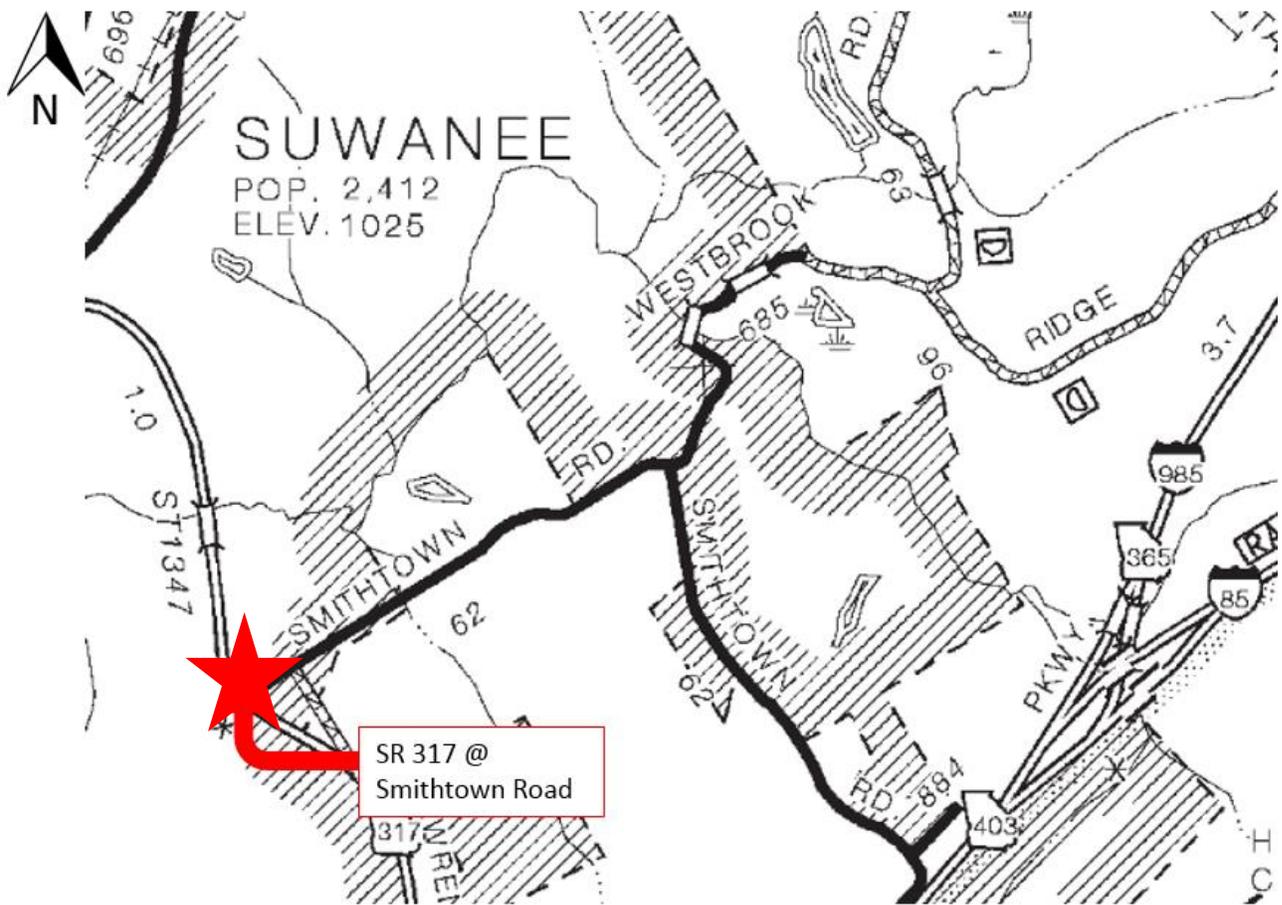
### PROJECT LOCATION MAP: Gwinnett County (Not to Scale)



### PROJECT LOCATION MAP: Gwinnett County (Not to Scale)



### PROJECT LOCATION MAP: Gwinnett County (Not to Scale)





## PLANNING & BACKGROUND DATA

**Project Justification Statement:** There are fourteen (14) signalized intersections in Gwinnett County in need of improvements to address compliance with current GDOT standards, 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 have been identified by The Office of Traffic Operations as high priority for minor intersection improvements. Table 1 also shows the reason the District and the County have identified these intersections to be upgraded.

**Table 1: Intersection Upgrade Needs**

County	City	Primary Route	Intersecting Road	Reason for Upgrade
Gwinnett	Lawrenceville	SR 120	Culver Street	Obsolete Equipment/ADA
Gwinnett	Lawrenceville	SR 8	Culver Street	Obsolete Equipment/ADA
Gwinnett	Suwanee	SR 317	Smithtown Road	Obsolete Equipment/ADA
Gwinnett	Lawrenceville	SR 20/SR 124	Braselton Highway	Obsolete Equipment/ADA
Gwinnett	Norcross	SR 378	Satellite Boulevard	Obsolete Equipment/ADA
Gwinnett	Norcross	SR 378	Arc Way	Obsolete Equipment/ADA
Gwinnett	Snellville	SR 264	Shiloh Road	Obsolete Equipment/ADA
Gwinnett	Lawrenceville	SR 20	Davis Road/Simonton Rd	Obsolete Equipment/ADA
Gwinnett	Norcross	SR 141	Peachtree Corners Circle	Obsolete Equipment/ADA
Gwinnett	Norcross	SR 141	Jones Mill Road	Obsolete Equipment/ADA
Gwinnett	Norcross	SR 13 ALT	Medlock Bridge Road	Obsolete Equipment/ADA
Gwinnett	Buford	SR 13	Thompson Mill Road	Obsolete Equipment/ADA
Gwinnett	Buford	SR 13	Commerce Drive	Obsolete Equipment/ADA
Gwinnett	Lawrenceville	SR 124	Azalea Drive/Old Fountain Rd	Obsolete Equipment/ADA

**Existing conditions:**

- SR 120/Pike Street – at the intersection of Culver Street – is a three-lane, one-way roadway westbound with 12-foot lanes.
- SR 8/Crogan Steet – at the intersection of Culver Street – is a three-lane, one-way roadway eastbound with 12-foot lanes and sidewalks present.
- SR 317/Lawrenceville-Suwanee Road – at the intersection of Smithtown Road – is a four-lane roadway with 11-foot lanes, left turn lanes, and right turn lanes.
- SR 20/SR 124/Buford Drive – at the intersection of Braselton Highway – is a four-lane roadway with 13-foot lanes, left turn lane onto Braselton Highway eastbound, and a right turn lane with a striped median on the south side of the intersection.
- SR 378/Beaver Ruin Road – at the intersection of Satellite Boulevard – is a four-lane roadway with 12-foot lanes, left turn lanes with a striped median on the east side of the intersection, right turn lanes with a striped median on the west side of the intersection, and a concrete median on the east side of the intersection.
- SR 378/Beaver Ruin Road – at the intersection of Arc Way – is a four lane roadway with 12-foot lanes, offset left turn lanes, and a right turn lane on the southside of the intersection.



County: Gwinnett

**Complete Streets - Bicycle, Pedestrian, and/or Transit Standards Warrants:**Warrants met: None Bicycle Pedestrian Transit**Pavement Evaluation and Recommendations**Initial Pavement Evaluation Summary Report Required? No YesInitial Pavement Type Selection Report Required? No YesFeasible Pavement Alternatives: HMA PCC HMA & PCC**DESIGN AND STRUCTURAL****Description of Proposed Project:** The project will upgrade equipment, accommodate pedestrians, and update pedestrian facilities to meet current ADA standards at the following intersections:

- SR 120 (Pike Street) @ Culver Street
- SR 8 (Crogan Street) @ Culver Street
- SR 317 (Lawrenceville-Suwanee Road) @ Smithtown Road
- SR 20/SR 124 (Buford Drive) @ Braselton Highway
- SR 378 (Beaver Ruin Road) @ Satellite Boulevard
- SR 378 (Beaver Ruin Road) @ Arc Way
- SR 264 (Bethany Church Road) @ Shiloh Road
- SR 20 (Grayson Highway) @ Davis Road/Simonton Road
- SR 141 (Peachtree Industrial Boulevard SB Ramp) @ Peachtree Corners Circle
- SR 141 (Peachtree Industrial Boulevard NB Ramp) @ Jones Mill Road
- SR 13 ALT (Peachtree Industrial Boulevard) @ Medlock Bridge Road
- SR 13 (Buford Highway) @ Thompson Mill Road
- SR 13 (Buford Highway) @ Commerce Drive
- SR 124 (Braselton Highway) @ Azalea Drive/Old Fountain Road

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.

**Major Structures:** N/A**Mainline Design Features:****SR 120/Pike Street (Urban Minor Arterial Street):**

No design changes will be made under this project.

**SR 8/Crogan Street (Urban Minor Arterial Street):**

No design changes will be made under this project.

**SR 317/Lawrenceville-Suwanee Road (Urban Minor Arterial Street):**

No design changes will be made under this project.

**SR 20/SR 124/Buford Drive (Urban Principal Arterial):**

No design changes will be made under this project.

**SR 378/Beaver Ruin Road (Urban Minor Arterial Street):**

No design changes will be made under this project.

**SR 264/Bethany Church Road (Urban Minor Arterial Street):**

No design changes will be made under this project.

**SR 20/Grayson Highway (Urban Minor Arterial Street):**

No design changes will be made under this project.

**SR 141/Peachtree Industrial Boulevard (Urban Principal Arterial):**

No design changes will be made under this project.

**Mainline Design Features: (cont.)**

**SR 13 Alternate/Peachtree Industrial Boulevard (Urban Principal Arterial):**

No design changes will be made under this project.

**SR 13/Buford Highway (Urban Minor Arterial Street):**

No design changes will be made under this project.

**SR 124/Braselton Highway (Urban Minor Arterial Street):**

No design changes will be made under this project.

**Major Interchanges/Intersections:**

- SR 141 (Peachtree Industrial Boulevard SB Ramp) @ Peachtree Corners Circle - Urban Principal Arterial
- SR 141 (Peachtree Industrial Boulevard NB Ramp) @ Jones Mill Road - Urban Principal Arterial

**Lighting required:**  No  Yes

**Off-site Detours Anticipated:**  No  Undetermined  Yes

**Transportation Management Plan [TMP] Required:**  No  Yes

If Yes: Project classified as:  Non-Significant

TMP Components Anticipated:  TTC

**Design Exceptions to FHWA/AASHTO controlling criteria anticipated:** None.

**Design Variances to GDOT Standard Criteria anticipated:** None.

## UTILITY AND PROPERTY

**Railroad Involvement:** None.

**Utility Involvements:**

- Atlanta Gas Light Co
- AT&T
- Comcast
- Gwinnett County Department of Water Resources
- Walton EMC
- Georgia Power Distribution
- Georgia Power Transmission
- Jackson EMC
- Georgia Transmission
- Gwinnett DOT Traffic Ops
- Lawrenceville Gas
- Lawrenceville Power

**SUE Required:**  No  Yes

**Public Interest Determination Policy and Procedure recommended?**  No  Yes

**Right-of-Way:** Existing width: N/A ft. Proposed width: N/A ft.  
Required Right-of-Way anticipated:  None  Yes  Undetermined  
Easements anticipated:  None  Temporary  Permanent  Utility  Other

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

Impacts to USACE property anticipated?  No  Yes  Undetermined

## ROUNDABOUTS

Roundabout Lighting Commitment Letter received:  No  Yes

Roundabout Planning Level Assessment: N/A

Roundabout Feasibility Study: N/A

Roundabout Peer Review Required:  No  Yes  Completed – Date:

## CONTEXT SENSITIVE SOLUTIONS

Issues of Concern: N/A

Context Sensitive Solutions Proposed: N/A

## ENVIRONMENTAL AND PERMITS

### Anticipated Environmental Document:

NEPA:  PCE  CE  EA-FONSI  
GEPA\*:  Type A  Type B  None

\*A GEPA document must be prepared only for state funded projects where the project cost meets or exceeds \$100 million. ~~Environmental surveys are required for all state funded projects regardless of project cost.~~ *RRP*

### Level of Environmental Analysis: (check one)

The environmental considerations noted below are based on preliminary desktop or screening level environmental analysis and are subject to revision after the completion of resource identification, delineation, and agency concurrence.

The environmental considerations noted below are based on the completion of resource identification, delineation, and agency concurrence.

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

Is Protected Species water quality mitigation anticipated?  No  Yes

Environmental Permits, Variances, Commitments, and Coordination anticipated: None anticipated.

County: Gwinnett

**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:**

**NEPA:** Based on the nature and scope of the project, any impacts resulting from the proposed action are anticipated to be minor. This work is expected to be cleared with a programmatic categorical exclusion (PCE). If eligible historic resources are identified, work within the resource boundary should be avoided to avoid a Section 4f use. Public parkland is not located within the project limits. Formal public involvement activities are not anticipated.

**Ecology:** An ecological resource survey and effects assessment has not occurred; however, based on the nature and scope of the project, it is anticipated that project impacts would be minimal to none. It is anticipated that protected species will be eligible for evaluation using the criteria set forth in the June 2003 Endangered Species Act (ESA) and Fish and Wildlife Coordination Act (FWCA) Joint Coordination Procedures (JCP), as amended January 2007.

**History:** Based on the nature and scope of the project, and the locations of the intersections being evaluated, impacts to historic resources is anticipated to be minimal to none. The intersections of SR 120 (Pike Street) at Culver Street and the intersection of SR 8 (Crogan Street) at Culver Street may have historic structures within the area of potential effect; however, a historic resource survey report has not been completed. Work within the boundary of eligible, historic resources should be avoided.

**Archeology:** No surveys have been conducted at the time of this draft report. Based on the nature and scope of the project, and the locations of the intersections being evaluated, impacts to archaeological resources is anticipated to be minimal to none.

**Noise Effects:** Based on the project scope, it is anticipated this project will not require a noise assessment and will meet the criteria for a Type III noise screening

**COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS**

**Project Meetings:** Kickoff Meeting 05/10/2016

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

**Other coordination to date:** Kickoff Meeting 05/10/2016

**Project Cost Estimate and Funding Responsibilities:**

	PE Activities		ROW	Reimbursable Utilities	CST*	Total Cost
	PE Funding	Section 404 Mitigation				
Funded By	Federal		Federal		Federal	
\$ Amount	\$530,000		\$999,000	\$200,000	\$2,689,278.08	\$4,418,278.08
Date of Estimate	6/23/14		9/23/16	9/16/16	7/22/16	

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

**ALTERNATIVES DISCUSSION**

No-Build Alternative:			
Estimated Property Impacts:	N/A	Estimated Total Cost:	\$0
Estimated ROW Cost:	\$0	Estimated CST Time:	N/A
<b>Rationale:</b> Does not fulfill the objectives of the Project Justification Statement.			

**Additional Comments/ Information:**

**LIST OF ATTACHMENTS/SUPPORTING DATA**

1. Revisions to Program Cost
2. Cost Estimates
  - a. Construction
  - b. Right-of-Way
  - c. Utility
3. Kickoff meeting minutes

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE P.I. No.** 0013230 **OFFICE** Program Delivery

**PROJECT DESCRIPTION**

Signal Upgrades at 14 locations in Gwinnett County

**DATE** October 3, 2016

**From:** Albert V. Shelby III, State Program Delivery Administrator

**To:** Lisa L. Myers, State Project Review Engineer  
via Email Mailbox: [CostEstimatesandUpdates@dot.ga.gov](mailto:CostEstimatesandUpdates@dot.ga.gov)

**Subject: REVISIONS TO PROGRAMMED COSTS**

**PROJECT MANAGER** Heidi Schneider

**MGMT LET DATE** 5/15/2019

**MGMT ROW DATE**

**PROGRAMMED COSTS (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION	\$	<span style="border: 1px solid black; padding: 2px;">2,344,650.00</span>	DATE	<span style="border: 1px solid black; padding: 2px;">12/4/2015</span>
RIGHT OF WAY	\$	<span style="border: 1px solid black; padding: 2px;">378,000.00</span>	DATE	<span style="border: 1px solid black; padding: 2px;">12/4/2015</span>
UTILITIES	\$	<span style="border: 1px solid black; padding: 2px;"></span>	DATE	<span style="border: 1px solid black; padding: 2px;"></span>

**REVISED COST ESTIMATES**

CONSTRUCTION*	\$	<span style="border: 1px solid black; padding: 2px;">2,689,278.08</span>
RIGHT OF WAY	\$	<span style="border: 1px solid black; padding: 2px;">999,000.00</span>
UTILITIES	\$	<span style="border: 1px solid black; padding: 2px;">200,000.00</span>

\*Cost Contains 10 % Contingency

**REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:**

Concept cost estimate is based on information learned at the kick off meeting detailing the upgrades that need to take place at each intersection.  
Right-of-way cost provided by the GDOT Office of Right-of-Way based on acquiring 56 parcels.  
Utility costs were provided by District Utilities to cover the installation of self-supporting concrete utility poles if they are needed.

# CONTINGENCY SUMMARY

<b>A. CONSTRUCTION COST ESTIMATE:</b>	\$	2,328,379.29	Base Estimate From CES
<b>B. ENGINEERING AND INSPECTION (E &amp; I):</b>	\$	116,418.96	Base Estimate (A) x <span style="border: 1px solid black; padding: 2px 5px;">5</span> %
<b>C. CONTINGENCY:</b>	\$	244,479.83	Base Estimate (A) + E & I (B) x <span style="border: 1px solid black; padding: 2px 5px;">10</span> % <a href="#">See % Table in "Risk Based Cost Estimation" Memo</a>
<b>D. TOTAL LIQUID AC ADJUSTMENT:</b>	\$		Total From Liquid AC Spreadsheet
<b>E. CONSTRUCTION TOTAL:</b>	\$	2,689,278.08	(A + B + C + D = E)

## REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
General	\$ 200,000.00
<b>TOTAL</b>	<b>\$ 200,000.00</b>

**ATTACHMENTS: (File Copy in the Project Cost Estimate Folder)**

Detailed Cost Estimate Printout From TRAQS

0013230 Concept CES Report 7.11.2016  
STATE HIGHWAY AGENCY

DATE : 07/11/2016  
PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 0013230 SPEC YEAR: 13  
DESCRIPTION: SIGNAL UPGRADES @ 14 LOCATIONS IN GWINNETT COUNTY

ITEMS FOR JOB 0013230

LINE	ITEM	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000	LS	TRAFFIC CONTROL - 0013230	1.000	221248.71	221248.71
0010	163-0232	AC	TEMPORARY GRASSING	1.000	451.96	451.96
0015	163-0240	TN	MULCH	14.000	193.80	2713.32
0019	210-0100	LS	GRADING COMPLETE - 0013230	1.000	3500.00	3500.00
0020	441-0108	SY	CONC SIDEWALK, 8 IN	1400.000	60.55	84770.87
0025	441-0748	SY	CONC MEDIAN, 6 IN	500.000	58.04	29021.12
0030	636-1020	SF	HWY SGN, TP1MAT, REFL SH TP3	250.000	14.11	3528.02
0035	636-1033	SF	HWY SIGNS, TP1MAT, REFL SH TP 9	910.000	18.31	16662.56
0040	639-3014	EA	STEEL STR POLE, TP 4, LUMIN ARM W/ MAST ARM	20.000	13627.91	272558.38
0045	639-4004	EA	STRAIN POLE, TP IV	36.000	6912.90	248864.41
0049	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	2100.000	1.27	2687.73
0050	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 1	1.000	65000.00	65000.00
0055	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 2	1.000	65000.00	65000.00
0060	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 3	1.000	65000.00	65000.00
0065	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 4	1.000	65000.00	65000.00
0070	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 5	1.000	65000.00	65000.00
0075	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 6	1.000	65000.00	65000.00
0080	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 7	1.000	65000.00	65000.00
0085	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 8	1.000	65000.00	65000.00
0090	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 9	1.000	65000.00	65000.00
0095	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 10	1.000	65000.00	65000.00
0100	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 11	1.000	65000.00	65000.00
0105	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 12	1.000	65000.00	65000.00
0110	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 13	1.000	65000.00	65000.00
0115	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 14	1.000	65000.00	65000.00
0119	647-2170	EA	PULL BOX, PB-7	5.000	1563.38	7816.94
0120	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	28.000	88.02	2464.78
0125	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	35.000	1.29	45.21
0130	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	28.000	1.15	32.39
0135	653-1704	LF	THERM SOLID TRAF STRIPE, 24, WH	1416.000	6.56	9302.99
0140	653-1804	LF	THERM SOLID TRAF STRIPE, 8, WH	1680.000	2.28	38327.02
0145	653-6004	SY	THERM TRAF STRIPING, WHITE	1050.000	4.97	5221.27
0149	653-6006	SY	THERM TRAF STRIPING, YELLOW	1050.000	5.28	5545.48
0150	682-6233	LF	CONDUIT, NONMETL, TP 3, 2 IN	18650.000	5.00	93250.00
0154	682-6520	LF	CONDUIT, FIBERGLASS, 2 IN	350.000	76.65	26827.50
0155	682-9950	LF	DIRECTIONAL BORE - 3 IN	3460.000	15.00	51900.00
0160	682-9950	LF	DIRECTIONAL BORE - 5 IN	420.000	16.00	6720.00
0164	682-9950	LF	DIRECTIONAL BORE - 7 IN	1500.000	17.00	25500.00
0165	700-6910	AC	PERMANENT GRASSING	1.000	1000.30	1000.31

0013230 Concept CES Report 7.11.2016

0170	700-7000	TN	AGRI CULTURAL LIME	7.000	119.73	838.17
0175	700-8000	TN	FERTILIZER MIXED GRADE	7.000	578.36	4048.55
0180	700-8100	LB	FERTILIZER NITROGEN CONTENT	350.000	3.26	1143.93
0185	700-9300	SY	SOD	200.000	5.53	1107.35
0190	713-3011	SY	WOOD FIBER BLANKET, TP I, SHOULDERS	2170.000	0.01	40.56
0194	935-1113	LF	OUT PLNT FBR OPT CBL, LOOSE TB, SM, 24 FBR	1500.000	1.80	2700.00
0195	935-3103	EA	FIBER OPTIC CLOSURE, UNDRGRD, 24 FBR	4.000	619.20	2476.80
0199	935-4010	EA	FIBER OPTIC SPLICE, FUSION	96.000	49.24	4727.86
0200	936-1001	EA	CCTV SYSTEM, TYPE B	6.000	9444.33	56665.98
0205	936-8000	LS	TESTING	1.000	2500.00	2500.00
0210	936-8500	LS	TRAINING	1.000	2500.00	2500.00
0215	937-6000	EA	MICROWAVE RADAR DETECTION ASSEMBLY	24.000	7277.88	174669.12
0220	937-8020	LS	TESTING - MICROWAVE DETECTION SYSTEM	1.000	2500.00	2500.00
0225	937-8520	LS	TRAINING - MICROWAVE DETECTION SYSTEM	1.000	2500.00	2500.00

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 ITEM TOTAL 2328379.27  
 INFLATED ITEM TOTAL 2328379.29

TOTALS FOR JOB 0013230

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 ESTIMATED COST: 2328379.29  
 CONTINGENCY PERCENT ( 0.0 ): 0.00  
 ESTIMATED TOTAL: 2328379.29  
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**GEORGIA DEPARTMENT OF TRANSPORTATION  
PRELIMINARY ROW COST ESTIMATE SUMMARY**

Date: 9/23/2016 Project:  
 Revised: County: Gwinnett  
 PI: 13230

Description: Signal Upgrades @ 14 LOC  
 Project Termini:

Existing ROW: NA  
 Required ROW: 14Ac  
 Parcels: 56

Land and Improvements \_\_\_\_\_ \$4,650.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$1,000.00

Valuation Services \_\_\_\_\_ \$35,000.00

Legal Services \_\_\_\_\_ \$375,300.00

Relocation \_\_\_\_\_ \$112,000.00

Demolition \_\_\_\_\_ \$0.00

Administrative \_\_\_\_\_ \$472,000.00

TOTAL ESTIMATED COSTS \_\_\_\_\_ \$998,950.00

**TOTAL ESTIMATED COSTS (ROUNDED) \_\_\_\_\_ \$999,000.00**

Preparation Credits	Hours	Signature

Prepared By: Ruthie Jones CG#: R244060 (DATE) 9-23-16  
 Approved By: Deshone Alexander CG#: 286999 (DATE) 09/23/2016

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

## Schneider, Heidi

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**From:** Oliver, Robby  
**Sent:** Friday, September 16, 2016 9:24 AM  
**To:** Schneider, Heidi  
**Cc:** Busby, Jeremy; Palmer, Janis Lynn  
**Subject:** RE: PI 0013230 Gwinnett - utility cost estimate for Concept Report

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Heidi,  
Just to be safe, let's go ahead and include \$ 200,000.00 as a utility estimate just in case we end up with any self-supporting concrete utility poles. Thanks,

***Robby B. Oliver***  
***District Utilities Manager, G.D.O.T. District One***  
***(770) 531-5772***  
***[roliver@dot.ga.gov](mailto:roliver@dot.ga.gov)***  
***2505 Athens Highway, S.E., Gainesville, GA 30507***

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**From:** Schneider, Heidi  
**Sent:** Wednesday, September 14, 2016 10:38 AM  
**To:** Oliver, Robby <roliver@dot.ga.gov>  
**Cc:** Busby, Jeremy <JBusby@dot.ga.gov>  
**Subject:** PI 0013230 Gwinnett - utility cost estimate for Concept Report

Hi Robbie,

I am the new PM for this project. The Concept Report is ready for submittal. However, I need a utility cost estimate or no cost letter to attach to the report. Can you please provided me with one? Attached is a draft concept report.

I would be grateful if I could have the cost estimate this week. ☺

Thanks,  
Heidi

**Heidi Schneider**  
Project Manager

**GDOT | OFFICE OF PROGRAM DELIVERY**  
**GRESHAM, SMITH AND PARTNERS**  
600 West Peachtree Street  
Suite 610  
Atlanta, GA 30308  
[P] 678.518.3677  
[M] 412.977.7174

# Draft Meeting Minutes

<b>Project:</b>	0013230		
<b>Subject:</b>	Project Kickoff Meeting		
<b>Date and time:</b>	10 May 2016		
<b>Meeting place:</b>	Gwinnett County TMC	<b>Written by:</b>	John Hannaford
<b>Present:</b>	Angie Bastian Tom Sever Ken Keena Ashlyn Morgan John Hannaford	<b>Representing:</b>	GCDOT GCDOT GCDOT Atkins Atkins

## Meeting Minutes – Action items in red

- General Comments
  - Uninterrupted battery source to be installed at all intersections
  - FYA at all left turns with existing 5-stacks
  - Use loops unless mast arms or there are 3 or more lanes then consider radar
  - No painted islands unless over 200 SF
- Intersections:
  - SR 120 (Pike St) @ Culver St
    - Fluted black mast arms to be installed with radar
    - Install detection on side streets
    - Right of way concerns, consider alternatives (1 mast arm for all signals)
    - Intersection has existing fiber
    - Fiber between here and SR 8 @ Culver
    - Use comparable mast arms and poles to PI #08963
    - City plans to install 5' sidewalk on east side of Culver
  - SR 8 (Crogan St) @ Culver St
    - Fluted black mast arms to be installed with radar; best mast arm location may be by new condominiums
    - Install detection on side streets
    - Right of way concerns, consider alternatives
    - Existing fiber along SR 8 and SR 120
    - Install CCTV camera
    - Install fiber between here and SR 120 @ Culver
    - Use comparable mast arms and poles to PI #08963
    - City plans to install 5' sidewalk on east side of Culver
  - SR 317 @ Smithtown Rd
    - Install black powder coated decorative mast arms at this location
    - Remove painted islands and install crosswalks and 4 peds
    - Install a CCTV Camera
    - Existing utilities could be in conflict (Jackson EMC)
    - Install 4G Cell Router
    - City of Suwanee has a sidewalk project on Smithtown Road – should not impact this project

**NOTE TO RECIPIENTS:**

These meeting notes record Atkins understanding of the meeting and intended actions arising therefrom. Your agreement that the notes form a true record of the discussion will be assumed unless adverse comments are received in writing within five days of receipt.

- SR 20 @ Braselton Highway
  - Intersection included in RTOP FYA project, coordinate to ensure no conflicts
  - Most likely only a ped upgrade at this intersection
  - Existing fiber at this location
- SR 378 @ Satellite Blvd
  - Install span wire with concrete strain poles and peds
  - Issue with right turn onto westbound Beaver Run as it is a keep moving lane, may need to make this a signalized lane for ped conflicts
  - Existing fiber; Additional cabinet for fiber to be retained
  - Existing CCTV camera
- SR 378 @ Arc Way
  - Install span wire with concrete strain poles and peds
  - Possible sidewalk on south side of intersection to tie into
  - Waste management exit only to be signalized if not already
  - Existing fiber at this location
  - No CCTV camera
- SR 264 @ Shiloh Rd
  - Install span wire with concrete strain poles with peds and loops
  - Install CCTV camera
  - Remove painted islands unless over 200 SF
  - Install 4G Cell Router
- SR 20 @ Davis Rd/Simonton Rd
  - Possible right of way concerns
  - Install span wire with concrete strain poles with peds and loops
  - Remove painted islands
  - Existing CCTV
  - City wants H/C ramps, crosswalks, and sidewalks on the SW quadrant
- SR 141 @ Peachtree Corners Circles
  - Install span wire with concrete strain poles with peds and loops
  - Install fiber between this intersection and NB ramp
  - Existing fiber is 6SM or 12MM, install 24Sm
- SR 141 @ Jones Mill Rd
  - Install span wire with concrete strain poles with peds and loops
  - Install fiber between this intersection and SB ramp
  - Existing fiber is 6SM or 12MM, install 24Sm
  - Install CCTV camera
- SR 13 ALT @ Medlock Bridge Rd
  - Install span wire with concrete strain poles with peds and loops if mast arms don't work
  - Atkins to ask if an additional turn lane can be added to mainline
  - Existing fiber at this location
  - Existing CCTV
- SR 13 @ Thompson Mill Rd
  - Install mast arms with radar detection
  - Remove painted islands under 200 SF
  - Install CCTV camera
  - Tie into existing sidewalk
  - Install 4G Cell Router
  - Re-stripe side streets
  - Run Autoturn on left turns to adjust stop bar and close gap on stop bars
  - City of Buford standard is for black mast arms/ped poles

- SR 13 @ Thompson Mill Rd (continued)
  - 12 Stone Church and Buford High School to be constructed in 2017 and 2016 respectively
    - Connector road to Thompson Mill thru 12 Stone property and align with Brickton North - **City of Buford to forward site plans**
- SR 13 @ Commerce Dr
  - Aerial fiber existing, drop to new cabinet
  - Install CCTV camera
  - Install black powder coated mast arms with radar detection
  - Intersection is split phased
  - **Gwinnett to check recent timing study for recommendations on lane configuration**
- SR 124 @ Azalea Dr/Old Fountain Rd
  - Install CCTV camera
  - Possible footprint change with county project – **Atkins to follow up with Brittney Bulfinch on project details**
  - Install span wire with concrete strain poles, ADA ramps, and peds
  - Possible right of way concerns
  - Install 4G Cell Router
- General Action Items
  - **Angie to send existing plans** – done on 5/10/16
  - **Ken to send fiber details**
  - **Atkins to discuss 4G Routers to be configured to GCDOT's network**