

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. # 0012677

**OFFICE** Design Policy & Support

Fulton County  
GDOT District 7 - Metro Atlanta  
Signal Upgrades @ 17 East Point Locations

**DATE** 10/14/2014

**FROM**  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:**

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  
Jeff Fletcher, Statewide Location Bureau Chief  
Rachel Brown, District Engineer  
Scott Lee, District Preconstruction Engineer  
Patrick Allen, District Utilities Engineer  
Xavier James, Project Manager  
BOARD MEMBER – 5th & 13th Congressional Districts

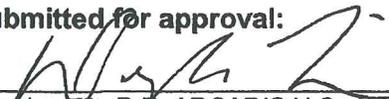
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
LIMITED SCOPE PROJECT CONCEPT REPORT**

Project Type: Reconstruction/  
Rehabilitation  
 GDOT District: 7  
 Federal Route Number: 29

P.I. Number: 0012677  
 County: Fulton  
 State Route Number: 14, 139, 154, 166, 403

I-85 @ LOC; SR 14 @ 12 LOC & SR 166 @ 4 LOC IN EAST POINT

**Submitted for approval:**

<u></u>	<u>8/1/14</u>
Douglas Vilt, P.E. ARCADIS U.S., Inc.	DATE
<u></u>	<u>8/8/14</u>
State Program Delivery Engineer	DATE
<u> (E.D.B.)</u>	<u>8/8/14</u>
GDOT Project Manager	DATE

**Recommendation for approval:**

<u>*/EKP</u>	<u>8/27/2014</u>
State Environmental Administrator	DATE
_____ 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).

<u>*/EKP</u>	<u>8/18/2014</u>
State Transportation Planning Administrator	DATE

**Approval:**

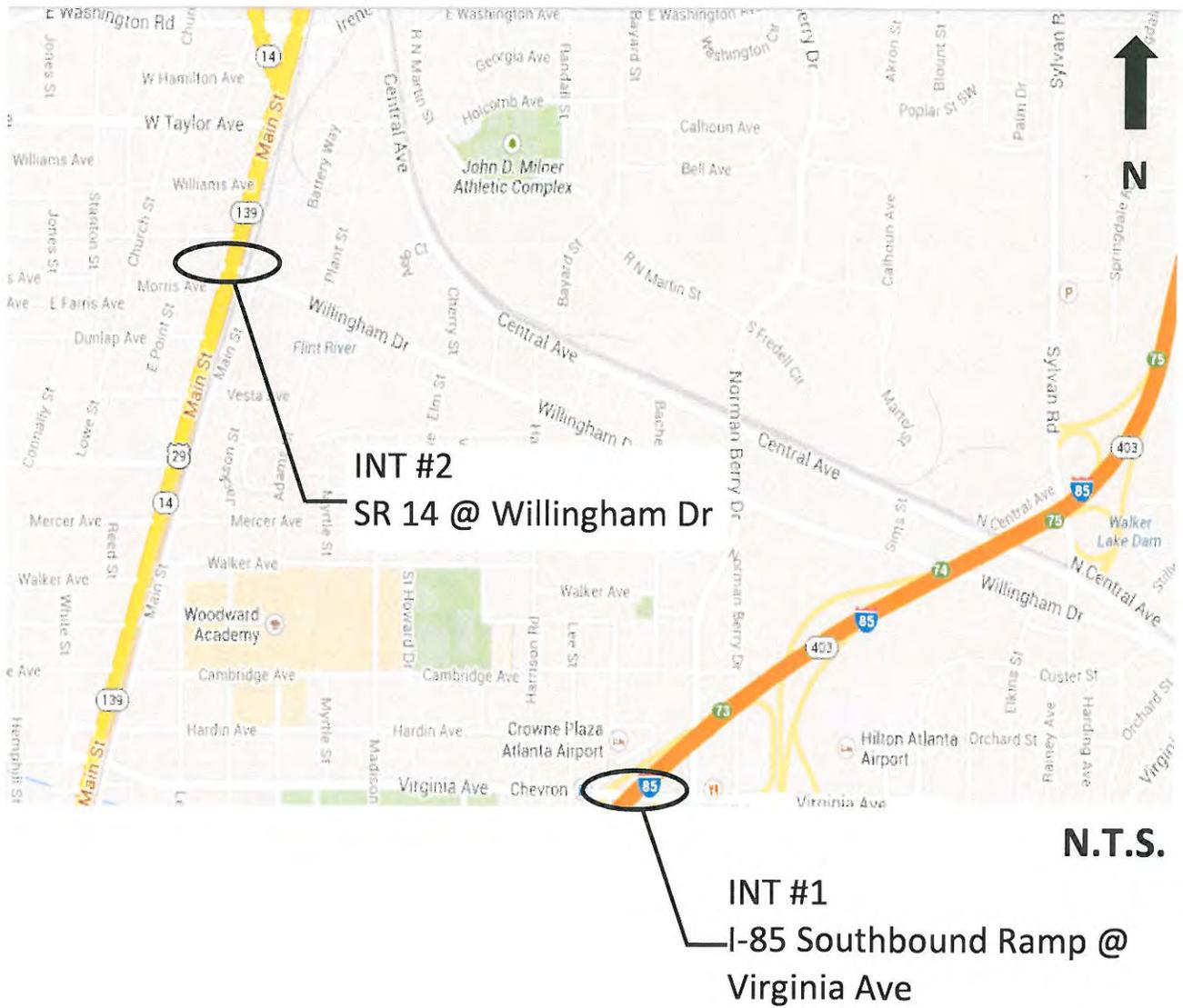
Concur: <u></u>	<u>10/5/14</u>
GDOT Director of Engineering	DATE

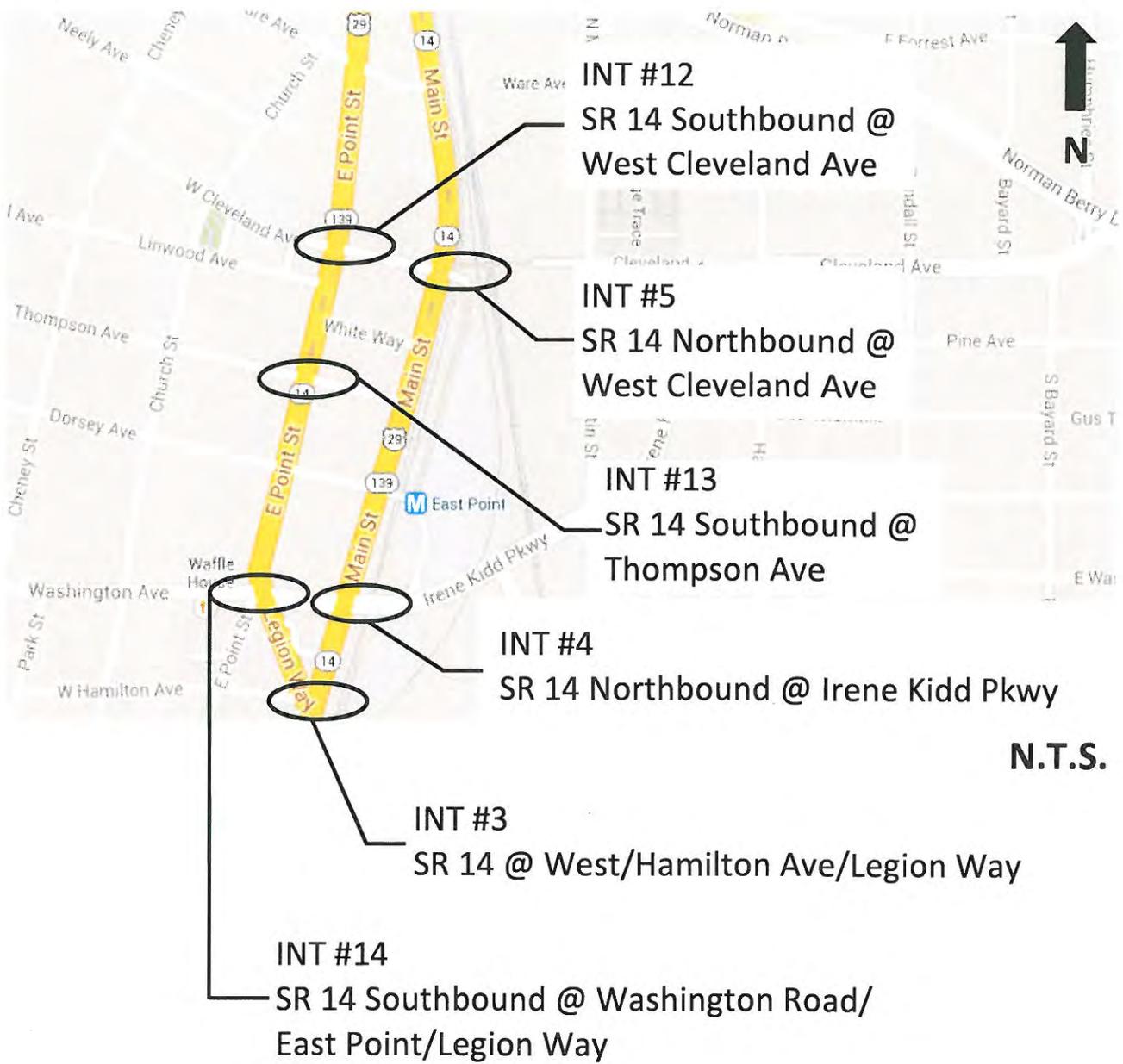
Approve: <u></u>	<u>10/2/14</u>
GDOT Chief Engineer	DATE

\* - RECOMMENDATION ON FILE

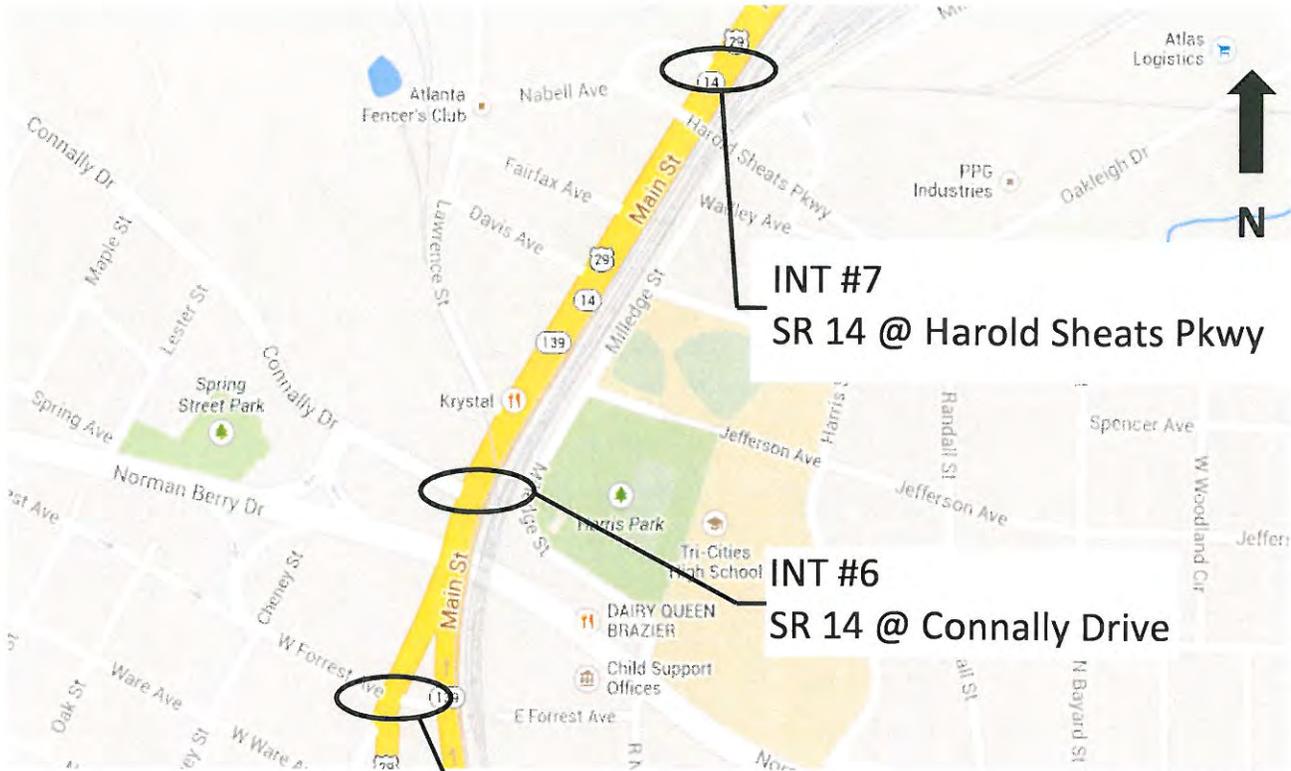
# PROJECT LOCATION

## Project Location Maps



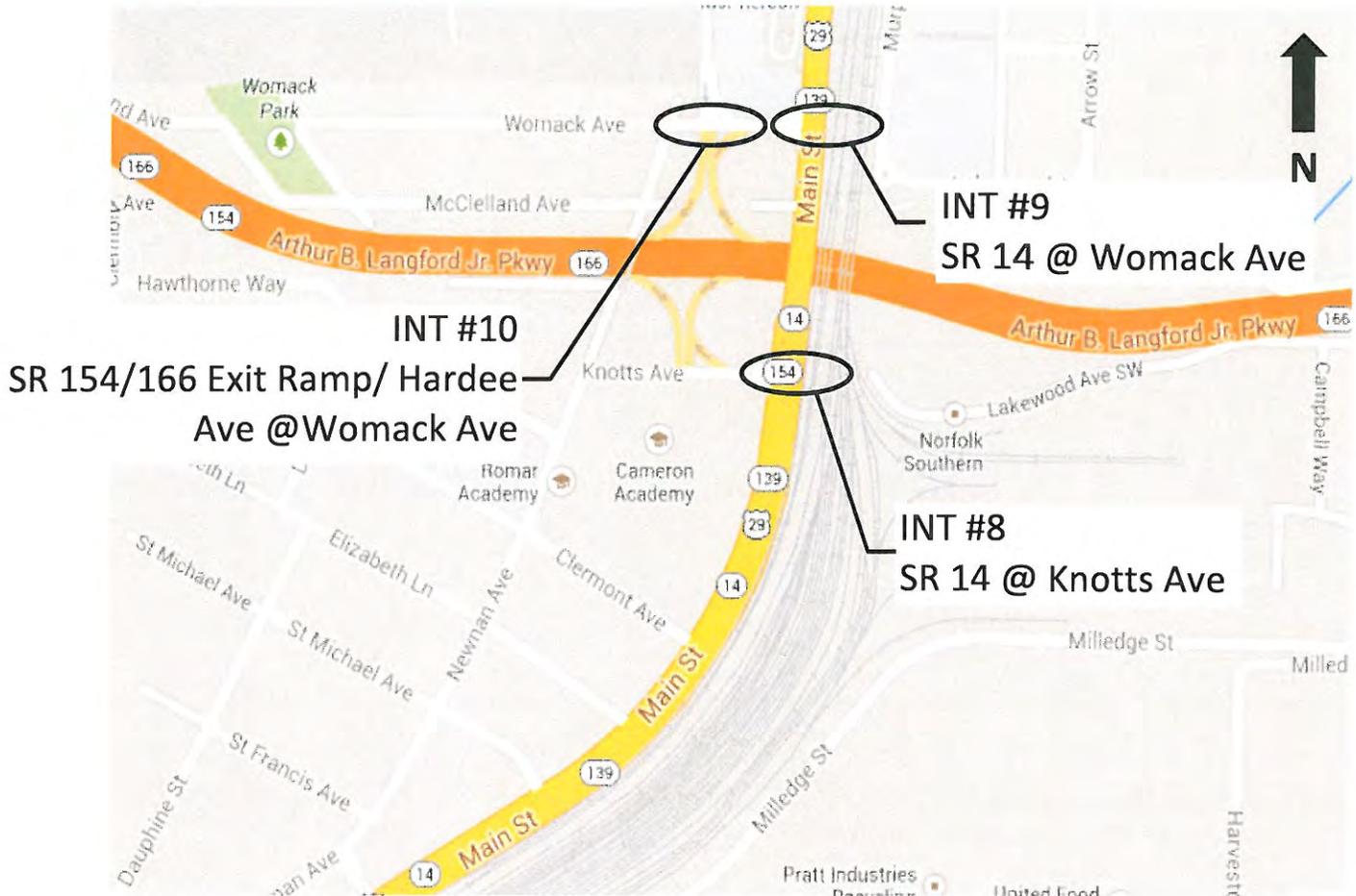


**N.T.S.**

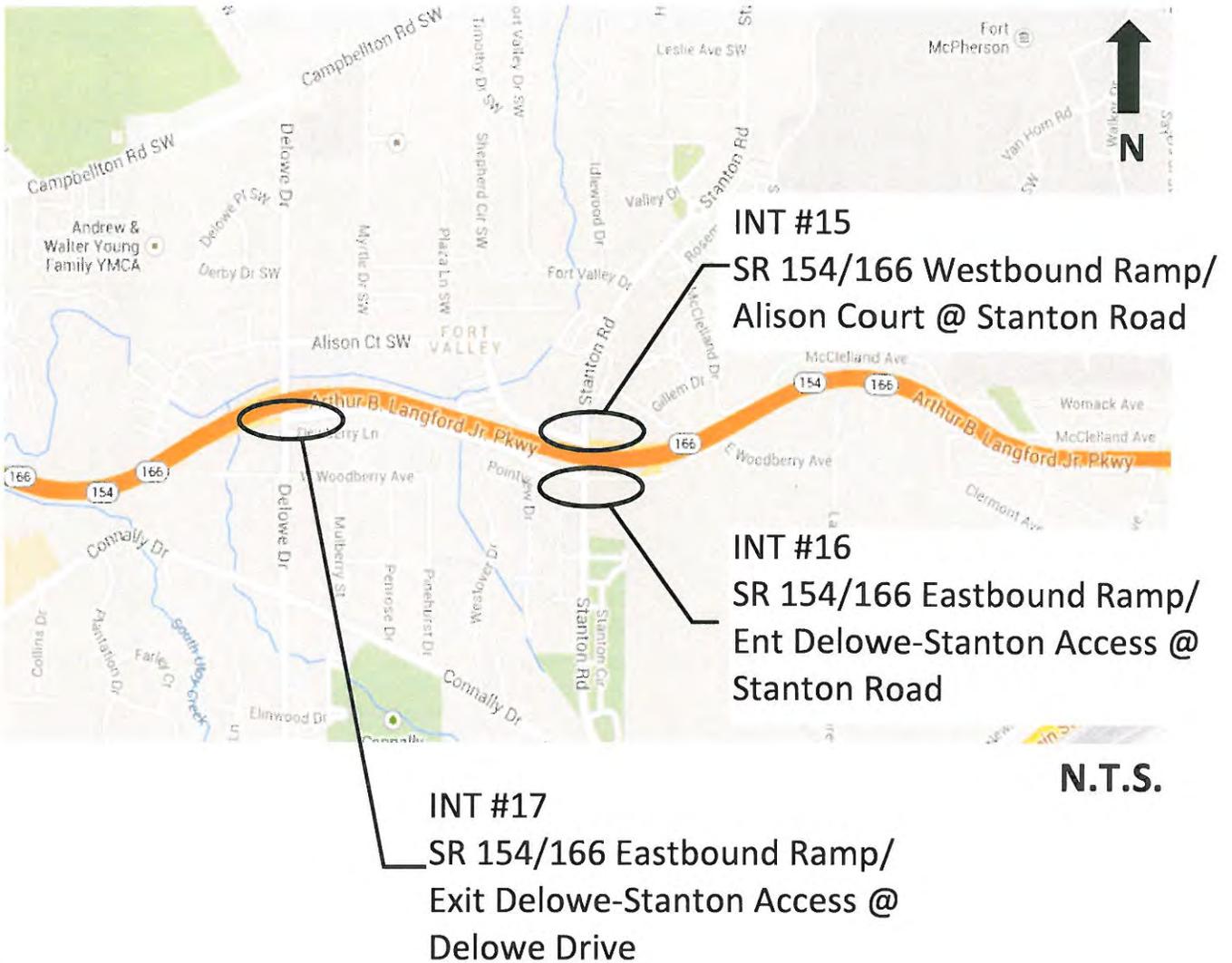


**N.T.S.**

**INT #11**  
 SR 14 Southbound @ West Forrest Ave



**N.T.S.**



## PLANNING & BACKGROUND DATA

**Project Justification Statement:** P.I. Number: 0012677

The following intersections located in Fulton County have been identified by The Office of Traffic Operation as high priority for minor intersection improvements. The proposed project is to be included in the Region wide Signal Upgrade Program Lump Sum.

- I-85 Southbound Ramp @ Virginia Avenue
- SR 14 @ Willingham Dr
- SR 14 @ West Hamilton Ave/ Legion Way
- SR 14 @ Irene Kidd Pkwy
- SR14 Northbound @ West Cleveland Ave
- SR 14 @ Connally Drive
- SR 14 @ Harold Sheats Pkwy
- SR 14 @ Knotts Ave
- SR 14 @ Womack Ave
- SR 166 Exit Ramp/Hardee @ Knotts Ave
- SR 14 Southbound @ West Forrest Ave
- SR 14 Southbound @ West Cleveland Ave
- SR 14 Southbound @ Thompson Ave
- SR 14 Southbound @ Washington Road/ East Point St/Legion Way
- SR 154 Westbound Ramp/ Allison Court @ Stanton Road
- SR 154 Eastbound Ramp/ Ent Delowe-Stanton Access @ Stanton Road
- SR 166 Eastbound Ramp/ Exit Delowe-Stanton Access @ Delowe Drive

The project will upgrade equipment, accommodate pedestrians, and update pedestrian facilities to meet current ADA standards. The Office of Traffic Operations has justified these upgrades based on the following deficiencies: pedestrian accommodations, ADA compliance, old conductor cables, 332 cabinet w/2070, support poles/mast arms, utility issues, and signal interconnects.

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. Funding is provided by ARC. All communications and meetings involving this project should include the Office of Traffic Operations.

**Existing conditions:**

**1. I-85/SR403 southbound off/on Ramp @ Virginia Ave**

- Virginia Ave Mainline Design Features:
  - This roadway has 5 lanes, curb and gutter, and 2 left turn lanes.
- I-85 /SR 403 southbound off/on Ramp Side Road Features:
  - This roadway has a 16 foot off ramp with curb and gutter, left and right turn lanes, and two grassed concrete islands in the northeast and southwest quadrants.

**2. SR 14/SR 139/US 29 (Main St) @ Willingham Dr**

- SR 14/SR 139/US 29 (Main St) Mainline Design Features:
  - SR 14 is an undivided roadway with 5 lanes, curb and gutter, and left and right turn lanes. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- Willingham Dr Side Road Features:
  - This roadway has 5 lanes, curb and gutter, and left and right turn lanes, and a 5 foot sidewalk on the north and south side of the roadway.

**3. SR 14/SR 139/US 29 (Main St) @ West Hamilton Ave/Legion Way**

- SR 14/SR 139/US 29 (Main St) Mainline Design Features:
  - SR 14 is an undivided roadway with 5 lanes, curb and gutter, and left and right turn lanes. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- West Hamilton Ave Side Road Features:
  - This roadway has 2 lanes with curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.
- Legion Way Side Road Features:
  - This roadway is one-way with 3 lanes, curb and gutter, and 5 foot sidewalks on the west and east side of the roadway.

**4. SR 14/SR 139/US 29 northbound (Main St) @ East Washington Rd/Irene Kidd Pkwy**

- SR 14/SR 139/US 29 northbound (Main St) Mainline Design Features:
  - SR 14 is an undivided roadway with 5 lanes, curb and gutter, and left and right turn lanes. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- East Washington Rd/Irene Kidd Pkwy Side Road Features:
  - This roadway has 5 lanes, curb and gutter, and left and right turn lanes, and a 5 foot sidewalk on the north and south side of the roadway.

#### **5. SR 14/SR 139/US 29 northbound (Main St) @ West Cleveland Ave**

- SR 14/SR 139/US 29 northbound (Main St) Mainline Design Features:
  - SR 14 is one-way with 3 through lanes and 1 left through lane for access to side streets, curb and gutter, and angle parking lanes for downtown. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- West Cleveland Ave Side Road Features:
  - This roadway has 2 lanes with curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.

#### **6. SR 14/SR 139/US 29 (Main St) @ Connally Dr**

- SR 14/SR 139/US 29 (Main St) Mainline Design Features:
  - SR 14 is an undivided roadway with 5 lanes, curb and gutter, and left and right turn lanes. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- Connally Dr Side Road Features:
  - This roadway has 3 lanes that create a T-intersection with SR 14. Connally Drive has dedicated left and right turn only lanes, and curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.

#### **7. SR 14/SR 139/US 29 (Main St) @ Harold Sheats Pkwy**

- SR 14/SR 139/US 29 (Main St) Mainline Design Features:
  - SR 14 is an undivided roadway with 5 lanes, curb and gutter, and left and right turn lanes. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- Harold Sheats Pkwy Side Road Features:
  - This roadway has 3 lanes that create a T-intersection with SR 14. Harold Sheats Pkwy has dedicated left turn only lane and right turn with a concrete island in the southwest quadrant.

#### **8. SR 14/SR 139/US 29 (Main St) @ Knotts Ave**

- SR 14/SR 139/US 29 (Main St) Mainline Design Features:
  - SR 14 is an undivided roadway with 5 lanes, curb and gutter, and left and right turn lanes. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- Knotts Ave Side Road Features:
  - The roadway has 5 lanes that create a T-intersection with SR 14. Dual left turn lanes and a single right turn lane exists for the Knotts Ave approach, with concrete islands in the northwest and southwest quadrants, and 5-foot sidewalk on the north and south sides of the roadway.

### **9. SR 14/SR 139/US 29 (Main St) @ Womack Ave**

- SR 14/SR 139/US 29 (Main St) Mainline Design Features:
  - SR 14 is an undivided roadway with 5 lanes, curb and gutter, and left and right turn lanes. On the west side of the roadway is a 5 foot sidewalk and on the east side MARTA runs parallel to SR 14.
- Womack Ave Side Road Features:
  - The roadway has 4 lanes that create T-intersection with SR 14. Womack Ave has dedicated left and right turn only lanes, and curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.

### **10. SR 154/166 Exit Ramp/Hardee Ave @ Womack Ave**

- SR 166 Exit Ramp/Hardee Ave Mainline Design Features:
  - SR 166 Exit Ramp is a 3 lane roadway with entrance/exit ramps and a 4 foot concrete median. The southeast quadrant has a right turn lane onto Womack Ave with a grass Island, and the northeast quadrant has a right turn lane from Womack Ave onto Hardee Ave with a concrete island.
- Hardee Ave Side Road Features:
  - Hardee Ave is an undivided roadway with 4 lanes, curb and gutter, and 5 foot sidewalks.
- Womack Ave Side Road Features:
  - This roadway has 4 lanes with left and right turn lanes for the east approach and 2 lanes for the west approach with curb and gutter, and 5 foot sidewalks.

### **11. SR 14/SR 139/US 29 southbound (East Point St) @ West Forrest Ave**

- SR 14/SR 139/US 29 southbound (East Point St) Mainline Design Features:
  - SR 14 is one-way with 3 lanes and left and right turn lanes curb and gutter, and 5 foot sidewalks on west and east side of the roadway.
- West Forrest Ave Side Road Features:
  - This roadway has 2 lanes with curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.

### **12. SR 14/SR 139/US 29 southbound (East Point St) @ West Cleveland Ave**

- SR 14/SR 139/US 29 southbound (East Point St) Mainline Design Features:
  - SR 14 is one-way with 3 lanes and left and right turn lanes curb and gutter, and 5 foot sidewalks on west and east side of the roadway.
- West Cleveland Ave Side Road Features:
  - This roadway has 2 lanes with curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.

**13. SR 14/SR 139/US 29 southbound (East Point St) @ Thompson Ave**

- SR 14/SR 139/US 29 southbound (East Point St) Mainline Design Features:
  - SR 14 is one-way with 3 lanes and left and right turn lanes curb and gutter, and 5 foot sidewalks on west and east side of the roadway.
- Thompson Ave Side Road Features:
  - This roadway has 2 lanes with curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.

**14. SR 14/SR 139/US 29 southbound (East Point St) @ East Washington Rd/East Point St/Legion Way**

- SR 14/SR 139/US 29 southbound (East Point St) Mainline Design Features:
  - SR 14 is one-way with 3 lanes and left and right turn lanes curb and gutter, and 5 foot sidewalks on west and east side of the roadway.
- East Washington Rd Side Road Features:
  - This roadway has 5 lanes, curb and gutter, left and right turn lanes, and a 5 foot sidewalk on the north and south side of the roadway.
- East Point St Side Road Features:
  - This roadway has 2 lanes with curb and gutter, and a 5 foot sidewalk on the north and south side of the roadway.
- Legion Way Side Road Features:
  - This roadway is one-way with 3 lanes, curb and gutter, and 5 foot sidewalks on west and east side of the roadway.

**15. SR 154/166 westbound Ramp/Alison Ct @ Stanton Rd**

- Stanton Rd Mainline Design Features:
  - This roadway has 4 lanes with curb and gutter, and left and right turn lanes, and a 5 foot sidewalk on the west and east side of the roadway.
- SR 154/166 westbound Ramp Side Road Features:
  - SR 154 westbound is a 2 lane exit ramp with curb and gutter.
- Alison Ct Side Road Features:
  - Alison Ct is a 3 lane undivided roadway with dedicated left and right turn only lanes, and curb and gutter.

**16. SR 154/166 eastbound Ramp/Ent Delowe-Stanton Access @ Stanton Rd**

- Stanton Rd Mainline Design Features:
  - This roadway has 4 lanes with curb and gutter, and left and right turn lanes, and a 5 foot sidewalk on the west and east side of the roadway.
- SR 154/166 Eastbound Ramp/Ent Delowe-Stanton Access Side Road Features:
  - SR 154 eastbound is a 2 lane on ramp with curb and gutter. Stanton-Delowe Access is a 4 lane undivided roadway with dedicated right turn lane, and curb and gutter.

**17. SR 154/166 eastbound Ramp/Exit Delowe-Stanton Access @ Delowe Dr**

- Delowe Dr Mainline Design Features:
  - This is an undivided roadway with 3 lanes on the south side of the intersection with curb and gutter, and 4 lanes on the north side of the intersection with curb and gutter with 5 foot sidewalk on the west and east side of the roadway.
- SR 154/166 eastbound Ramp/Exit Delowe-Stanton Access Side Road Features:
  - SR 154/166 eastbound is a 2 lane on ramp with curb and gutter. Stanton-Delowe Access is a 4 lane undivided roadway with dedicated right turn lane, and curb and gutter.

**Other projects in the area:**

PI0012638: SR 14; SR 14SO; WEST CLEVELAND AVE; WHITE WAY & DORSEY AVE-LCI

This project will provide multimodal improvements along US 29/SR 14 (Main Street & East Point Street) from W. Cleveland Avenue to Dorsey Avenue.

PI0006576: DOWNTOWN EAST POINT STREETScape PROJECT-PHASE II

This project will provide parking, sidewalk and landscape improvements for the City of East Point in the downtown area.

PI0007540: SEMES ST FM WASHINGTON RD to NORMAN BERRY RD IN EAST POINT

This project provides sidewalk and landscape improvements in the City of East Point along both sides of CR 211/Semmes Street from Washington Avenue to Norman Berry Drive.

PI0011772: CS 6029/MILLEDGE STREET @ NS #18108W IN EAST POINT

This is project will replace railroad warning devices.

**Description of the proposed project:** The proposed project is located in Fulton County in the City of East Point. The approximate length of the project is 3 miles and will consist of traffic signalization upgrades, including LED vehicular signals, countdown pedestrian signals, ADA wheelchair ramps, and crosswalk striping at all 17 intersections.

**MPO:** Atlanta Regional Commission (ARC)

**TIP #:**

**TIA Regional Commission:** Not a TIA Project

**Congressional District(s):** 5, 13

**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):**

- Virginia Ave : Urban Local Road
- SR 14 /SR 139/US 29 (Main St): Urban Minor Arterial
- SR 14 /SR 139/US 29 (East Point St): Urban Minor Arterial
- SR 154 /SR 166 westbound Ramp: Urban Freeway and Expressway
- SR 154 /SR 166 eastbound Ramp: Urban Freeway and Expressway
- Stanton Rd: Urban Local Road
- Delowe Dr: Urban Local Road

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

Warrants met:  None  Bicycle  Pedestrian  Transit

County: Fulton

**DESIGN AND STRUCTURAL****Description of the proposed project:** See Field Visit Kick Off Meeting Minutes Attachment**Major Structures:** N/A**Mainline Design Features: I-85 off/on Ramp/SR 403 southbound @ Virginia Ave**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	5		N/A
- Lane Width(s)	12 ft.		N/A
- Sidewalks	5 ft.		N/A
- Auxiliary Lanes	Yes (Left turn lane)		N/A
Posted Speed	35 mph		N/A

\*According to current GDOT design policy if applicable

**Mainline Design Features: SR 14/SR 139/US 29 (Main St) from Willingham Dr to West Hamilton Ave/Legion Way and from Connally Dr to Womack Ave**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	5		N/A
- Lane Width(s)	12 ft.		N/A
- Median Width & Type	Flush Median		N/A
- Sidewalks	5 ft.		N/A
- Auxiliary Lanes	Yes (Left and Right turn lanes)		N/A
Posted Speed	35 mph		N/A

\*According to current GDOT design policy if applicable

**Mainline Design Features: SR 14/SR 139/US 29 northbound (Main St) from East Washington Rd /Irene Kidd Pkwy to West Cleveland Ave**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	3		N/A
- Lane Width(s)	12 ft./One Way		N/A
- Sidewalks	5 ft.		N/A
Posted Speed	35 mph		N/A

\*According to current GDOT design policy if applicable

**Mainline Design Features: SR 14/SR 139/US 29 southbound (East Point St) from West Forrest Ave to East Washington Rd**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	3		N/A
- Lane Width(s)	12 ft./One Way		N/A
- Sidewalks	5 ft.		N/A
- Auxiliary Lanes	Yes (Left and Right turn lanes)		N/A
Posted Speed	35 mph		N/A

\*According to current GDOT design policy if applicable

**Mainline Design Features: SR 154 /166 Exit Ramp / Hardee Ave**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	3 to 4		N/A
- Lane Width(s)	12 ft. to 16 ft.		N/A
- Median Width & Type	4 ft. concrete Median		N/A
- Sidewalks	5 ft.		N/A
- Auxiliary Lanes	Yes (Left and Right turn lanes)		N/A

\*According to current GDOT design policy if applicable

**Mainline Design Features: Stanton Rd**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	4		N/A
- Lane Width(s)	12 ft.		N/A
- Sidewalks	5 ft.		N/A
- Auxiliary Lanes	Yes (Left and Right turn lanes)		N/A

\*According to current GDOT design policy if applicable

**Mainline Design Features: Delowe Dr**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	3 to 4		N/A
- Lane Width(s)	12 ft.		N/A
- Sidewalks	5 ft.		N/A
- Auxiliary Lanes	Yes (Left turn lane)		N/A

\*According to current GDOT design policy if applicable

**Major Interchanges/Intersections:** I-85 OFF/ON Ramp/SR 403 southbound @ Virginia Ave

**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:** Norfolk Southern Railroad  
 Pre-emption with no cost anticipated

**Utility Involvements:**

- City of College Park - Water & Sewer
- City of East Point - Water & Sewer
- City of East Point - Traffic & Safety
- AT&T – Communication
- Comcast - Communication
- Georgia Power - Electrical
- Zayo Fiber Solutions - Communication
- Level 3 – Communication
- Fiber Light – Communication
- Verizon - Communication

County: Fulton

Atlanta Gas Light - Gas

SUE Required:  No  Yes

Public Interest Determination Policy and Procedure recommended?  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:

Displacements anticipated: 0 Total:  
Businesses:  
Residences:  
Other:



### 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  
Is a Carbon Monoxide hotspot analysis required?  No  Yes

This project is exempt and does not add capacity or change roadway conditions; therefore, it is excluded from a CO hotspot.

#### NEPA/GEPA Comments & Information:

**Ecology:** One stream was identified at Intersection 16. Potential state waters identified at three other intersections. Due to the nature and scope of the project, a combined Ecology Resource/AOE is anticipated. Department of Natural Resources and United States Fish & Wildlife Service coordination in process. Field survey to be completed upon response from DNR and USFWS. Design will avoid any impacts.

**History:** Section 106 notification in process. Field survey pending completion of 30 day response period. Preliminary screening identified 6 potentially eligible resources and/or historic districts. A Historic Resources Survey Report and Assessment of Effects documentation are anticipated. Design will avoid any impacts.

**Archeology:** Section 106 notification in process. Field survey pending completion of 30 day response period. A Short Form of No Findings is anticipated for completion.

**Air & Noise:** Qualitative air assessment is anticipated. This project will need PM 2.5 exemption. Based on project type a Type III Noise Assessment is anticipated.

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

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

**Other coordination to date:** N/A

**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	423,254.38	0.00	100,000.00	1,914,496.75	0.00	2,437,751.13
Date of Estimate	9/8/2014	9/8/2014	9/8/2014	9/8/2014	9/8/2014	

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

**Comments/Additional Information:** None

**LIST OF ATTACHMENTS/SUPPORTING DATA**

1. Field Visit Kick-off Meeting Minutes
2. Construction Cost Estimate
3. Utility Cost estimate



**MEETING MINUTES**

ARCADIS  
2410 Paces Ferry Road  
Suite 400  
Atlanta  
Georgia 30339  
Tel 770.431.8666  
Fax 770.435.2666

Subject:  
Field Visit Kick-Off Meeting Minutes  
Traffic Signal Upgrade Project  
Fulton County

PI Numbers:  
PI0012677

Department:  
Georgia Department of Transportation

Place/Date of Meeting:  
TMC/SR 14

June 16, 2014

Minutes by:  
Dino Pampolina

Issue Date:  
June 26, 2014

Participants:  
Xavier James, GDOT- Office of Program Delivery  
Cynthia Burney, GDOT- Office of Program Delivery  
Lewis Brooker, GDOT- Office of Utilities- District 7  
Kate D'Ambrosio, GDOT- Traffic Operations  
Troy Gallaway, GDOT-Traffic Operations  
Edlin Regis, GDOT-Traffic Operations- District 7  
Josh Earhart, Edwards Pittman  
Mike Holt, Parsons Brinkerhoff  
Larry Overn, STANTEC  
Carly Jackson, Georgia Power  
Doug Tilt, ARCADIS  
Dino Pampolina, ARCADIS

Copies:  
Participants

# ARCADIS

## General Comments:

- Use loops for detection unless there is an R/W issue, then use video detection.
- Use flashing yellow heads.
- Once right of way is known then we can get needed easement and adjust are design.
- Use 900 MHZ radios for wireless communication.
- Only replace signs and pavement markings directly impacted or needed for the signal improvement.
- No drainage improvements because it is out of the scope of work.
- Once the preliminary signal design is complete we need to set up a meeting with the City of East Point to review.
- Relocate luminaire's on new poles.

## Intersection Comments:

### **#1 I-85 Off Ramp @ Virginia Avenue.**

- One mast arm on the SE corner
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Remove Pedestal Pole on SW corners.
- Set pole for power service and move luminaire to pole.
- Video detection on bridge deck use loops for other approaches.
- Use GPS clocks
- Arcadis will send email to Xavier requesting if design variance is needed.
- Replace grass islands with concrete.

### **#2 SR 14 NB @ Willingham Dr.**

- Need R/W and construction easement in front coffee shop.
- Possibly use pole mount signal heads because of utilities clearance.
- Use 900 MHZ for wireless communication to West Hamilton Ave. /Legion Way.
- Use 3-section FYA's
- Provide three leg pedestrian crossings with vehicle arrows for side street approach.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Signalize driveway.

### **#3 SR 14 NB @ West Hamilton Ave. /Legion Way.**

- Remove pavement markings in front of the Taco Shack then add a bulb out island for new cabinet location and mast arm pole.
- Mast arm poles on S/W and NE corners.
- Trim tree limbs on the east side.
- Provide up arrows on signal heads so motorists do not turn left even though
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to Willingham Dr. and Irene Kidd Pkwy/ East Washington Rd.

# ARCADIS

## **#4 SR 14 NB @ Irene Kidd Pkwy/ East Washington Rd.**

- Trim tree limbs on the SE corner.
- Investigate encroachment permit for new construction on NW corner.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to West Cleveland Ave. and West Hamilton Ave./Legion Way
- Replace signal pole in same location as existing pole.

## **#5 SR 14 NB @ West Cleveland Ave.**

- Will upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to SR 14 SB @ West Cleveland Ave. and Irene Kidd Pkwy/ East Washington Rd.
- Bulb out islands on the NW and SW corners for mast arms consider is the 3 DI's

## **#6 SR 14 NB @ Connally Dr.**

- Intersection will be a span wire configuration.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to SR 14 SB @ West Forrest Ave.
- Verify with Stanley Mack that rail is still active and provide railroad pre-emption
- Add overlap phase for right turn

## **#7 SR 14 NB @ Harold Sheats Pkwy.**

- Intersection will be a span wire configuration.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to Connally Dr.

## **#8 SR 14 NB @ Knotts Ave.**

- Intersection will be a span wire configuration.
- New poles will be off of concrete islands.
- Signal heads will have arrows for double lefts
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to Harold Sheats Pkwy and Womack Ave.

## **#9 SR 14 NB @ Womack Ave.**

- Intersection will be a span wire configuration.
- New poles will be off of concrete islands.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to Harold Sheats Pkwy and Womack Ave.

## **#10 SR 166 Exit Ramp /Hardee @ Womack Ave.**

- Bulb out island for Ped. Pole and ADA ramp on the SW corner.
- Intersection will have two tandem mast arm poles on NW and SE corners
- New poles will be off of concrete islands.
- Upgrade all signal heads, ADA ramps, Cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to Womack Ave.

## ARCADIS

- There is a potential historic issue on the SW corner. Design will make all efforts to avoid impacts
- Pull median nose back to keep trucks from crushing the curb.

### **#11 SR 14 SB @ West Forrest Ave.**

- Intersection will have tandem mast arm pole on SE corner and one on the NW corner
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to Thompson Ave. and West Forrest Ave.
- Will have split phase for Church St.
- Bulb out islands on the NE, SE and SW corners for poles

### **#12 SR 14 SB @ West Cleveland Ave.**

- Intersection will be a span wire configuration.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to Thompson Ave. and West Forrest Ave.
- Bulb out islands on the NE, SE and SW corners for poles
- Potential historic with City Hall on the N/W corner Design will make all efforts to avoid impacts.

### **#13 SR 14 SB @ Thompson Ave.**

- Maybe a span wire configuration or one diagonal mast arm pole on the NW corner.
- Will upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to East Washington/Legion Way and West Cleveland Ave.
- Bulb out island on the NW corner for pole.
- Josh stated that there may be potential historic issues with Church. Design will make all efforts to avoid impacts.
- Utility coordination with the City of East Point will need to raise power line.

### **#14 SR 14 SB @ East Washington/Legion Way**

- One mast arm where East Point St and Legion Way come together.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication
- Investigate signal permit for new construction on SW corner.

### **#15 SR 154 WB Ramp/Allison Court @ Stanton Rd**

- Intersection will be a span wire configuration.
- Upgrade all signal heads, ADA ramps, Cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to SR 154 EB Ramp/Delowe-Stanton Access @ Stanton Rd
- Move stop bar location on Alison Court closer.
- Utility coordination with utility owner for joint use.

### **#16 SR 154 EB Ramp/Delowe-Stanton Access @ Stanton Rd**

- Intersection will be a span wire configuration or mast arm.
- Upgrade all signal heads, ADA ramps, Cabinet, striping, crosswalks, peds.

## ARCADIS

- Use 900 MHZ for wireless communication to SR 154 WB Ramp/Allison Court @ Stanton Rd
- Modify drainage flume as necessary to accommodate ADA
- Add supplemental signal head for SB approach.

### **#17 SR 166 EB Ramp/Exit Delowe-Stanton Access @ Delowe Dr.**

- Intersection will be a span wire configuration or mast arm.
- Upgrade all signal heads, ADA ramps, cabinet, striping, crosswalks, peds.
- Use 900 MHZ for wireless communication to SR 154 WB Ramp/Allison Court
- Remove concrete island on off ramp

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

-----

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No.  OFFICE

**PROJECT DESCRIPTION**

DATE

From:  *Albert Shelby*

To: Lisa L. Myers, State Project Review Engineer

*C.L.A. BK*

**Subject: REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER  MGMT LET DATE   
MGMT ROW DATE

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

**LAST ESTIMATE UPDATE**

CONSTRUCTION	\$	<input type="text" value="1,525,000.00"/>	DATE	<input text"="" type="text" value="775,000.00"/>	DATE	<input text"="" type="text" value="-"/>	DATE	<input 325="" 640="" 660"="" 72="" data-label="Section-Header" type="text" value="---&lt;/input&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/table&gt;&lt;/div&gt;&lt;div data-bbox="/> <p><b><u>REVISED COST ESTIMATES</u></b></p>
--------------	----	---	------	--	------	---	------	--

CONSTRUCTION\* \$   
RIGHT OF WAY \$   
UTILITIES \$

\*Cost Contains  % Contingency

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

This project is a signal (Reconstruction/Rehabilitation) project and is at low risk. The contingency chosen is 5% because it is currently in the concept phase.

# CONTINGENCY SUMMARY

<b>A. CONSTRUCTION COST ESTIMATE:</b>	\$	1,736,504.99	Base Estimate From CES
<b>B. ENGINEERING AND INSPECTION (E &amp; I):</b>	\$	86,825.25	Base Estimate (A) x <span style="border: 1px solid black; padding: 2px 5px;">5</span> %
<b>C. CONTINGENCY:</b>	\$	91,166.51	Base Estimate (A) + E & I (B) x <span style="border: 1px solid black; padding: 2px 5px;">5</span> % <u>See % Table in "Risk Based Cost Estimation" Memo</u>
<b>D. TOTAL LIQUID AC ADJUSTMENT:</b>	\$	-	Total From Liquid AC Spreadsheet
<b>E. CONSTRUCTION TOTAL:</b>	\$	1,914,496.75	(A + B + C + D = E)

## REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
City of East Point Electric	\$ 100,000.00
<b>TOTAL</b>	<b>\$ 100,000.00</b>

**ATTACHMENTS:**

JOB ESTIMATE REPORT

JOB NUMBER : 0012677 COPY SPEC YEAR: 13  
DESCRIPTION: I-85 @ 1 LOC; SR 14 @ 12 LOC & SRE 166 @ 4 LOC IN EAST POINT

ITEMS FOR JOB 0012677 COPY

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - TRAFFIC CONTROL	1.000	60000.00	60000.00
0010	441-0108		SY	CONC SIDEWALK, 8 IN	212.000	51.61	10942.34
0015	441-6222		LF	CONC CURB & GUTTER/ 8X30TP2	200.000	36.94	7388.85
0020	639-3004		EA	STEEL STRAIN POLE, TP IV 35' MAST ARMS	6.000	11570.81	69424.90
0025	639-3004		EA	STEEL STRAIN POLE, TP IV 50' MAST ARMS	1.000	11570.81	11570.82
0030	639-3004		EA	STEEL STRAIN POLE, TP IV 65' MAST ARMS	1.000	11570.81	11570.82
0035	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 25', 35', 65' MAST RAMS	1.000	11570.81	11570.82
0040	639-3004		EA	STEEL STRAIN POLE, TP IV	28.000	11570.81	323982.88
0045	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #1	1.000	55100.00	55100.00
0050	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #2	1.000	57000.00	57000.00
0055	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #3	1.000	57200.00	57200.00
0060	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #4	1.000	57600.00	57600.00
0065	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #5	1.000	50400.00	50400.00
0070	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #6	1.000	59800.00	59800.00
0075	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #7	1.000	59000.00	59000.00
0080	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #8	1.000	59600.00	59600.00
0085	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #9	1.000	59300.00	59300.00
0090	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #10	1.000	62000.00	62000.00
0095	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #11	1.000	54700.00	54700.00
0100	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #12	1.000	50500.00	50500.00
0105	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #13	1.000	52900.00	52900.00
0110	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #14	1.000	57200.00	57200.00
0115	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #15	1.000	59300.00	59300.00
0120	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #16	1.000	56600.00	56600.00
0125	647-1000		LS	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION #17	1.000	59800.00	59800.00
0130	653-0110		EA	THERM PVMT MARK, ARROW, TP 1	5.000	75.04	375.21

JOB ESTIMATE REPORT

0135	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	25.000	75.08	1877.16
0140	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	600.000	1.00	601.72
0145	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	600.000	0.87	523.43
0150	653-1704	LF	THERM SOLID TRAF STRIPE,24,WH	800.000	6.01	4812.30
0155	653-1804	LF	THERM SOLID TRAF STRIPE, 8,WH	4750.000	2.62	12446.57
0160	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	1000.000	0.40	402.32
0165	653-6006	SY	THERM TRAF STRIPING, YELLOW	10.000	5.18	51.84
0170	682-6233	LF	CONDUIT, NONMETL, TP 3, 2 IN	2560.000	3.66	9369.60
0175	682-9950	LF	DIRECTIONAL BORE - 5 IN DIRECTIONAL BORE	2465.000	11.44	28199.60
0180	687-1000	LS	TRAFFIC SIGNAL TIMING - FOR 17 SIGNALS	1.000	65000.00	65000.00
0185	700-7000	TN	AGRICULTURAL LIME	1.000	184.10	184.10
0190	700-8000	TN	FERTILIZER MIXED GRADE	1.000	516.82	516.83
0195	700-8100	LB	FERTILIZER NITROGEN CONTENT	75.000	3.09	231.82
0200	700-9300	SY	SOD	260.000	6.33	1646.02
0205	937-6050	EA	INT VIDEO DET SYS ASMBLY, TP A	24.000	4232.23	101573.64
0210	937-6150	EA	PROGRAMMING MONITOR, TP A	1.000	564.70	564.71
0215	937-8000	LS	TESTING	1.000	3000.00	3000.00
0220	927-0500	EA	DIRECTIONAL RADIO ANT AND CONNECT CABLE	2.000	769.63	1539.27
0225	927-0600	EA	OMNI DIRECT RADIO ANT AND CONNECT CABLE	11.000	764.19	8406.09
0230	927-0800	EA	SPREAD SPECTRUM WIRELESS RADIO SURVEY	14.000	1355.60	18978.44
0235	927-0900	LS	SPREAD SPECTRUM WIRELESS TRAINING	1.000	1752.89	1752.89
-----						
ITEM TOTAL						1736504.98
INFLATED ITEM TOTAL						1736504.99
-----						
TOTALS FOR JOB 0012677 COPY						
-----						
ESTIMATED COST:						1736504.99
ENGINEERING AND INSPECTION PERCENT ( 5.0 ):						86825.25
CONTINGENCY PERCENT ( 5.0 ):						91166.51
ESTIMATED TOTAL:						1914496.75
-----						

