

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0010425

OFFICE Design Policy & Support

Gwinnett County
GDOT District 1 - Gainesville
Grade Separation-SR 316 @
CR 3929/Walther Blvd

DATE 5/23/2013

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:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning Administrator
Ben Rabun, State Bridge Engineer
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
Paul Tanner, Asst. State Transportation Data Administrator
Attn: Systems & Classification Branch
Ken Thompson, Statewide Location Bureau Chief
Bayne Smith, District Engineer
Brent Cook, District Preconstruction Engineer
Neil Kantner, District Utilities Engineer
Andrew Hoenig, Project Manager
BOARD MEMBER - 7th Congressional District

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

Project Type: <u>Grade Separation</u>	P.I. Number: <u>0010425</u>
GDOT District: <u>1</u>	County: <u>Gwinnett</u>
Federal Route Number: <u>N/A</u>	State Route Number: <u>N/A</u>

Grade Separation of C.R. 3929 (Walther Blvd) over SR 316.

Submitted for approval:

<u>Richard R. Worthy</u> - ATKINS Consultant Designer	<u>2/14/2013</u> DATE
<u>Alan R. Chapman</u> Local Government	<u>4/5/2013</u> DATE
<u>David L. Van Matre</u> Office Head	<u>2/21/2013</u> DATE
<u>C. Andrew Hoening</u> GDOT Project Manager	<u>02/18/2013</u> DATE

Recommendation for approval:

<u>Program Control Administrator</u>	<u>DATE</u>
* <u>Glenn Bowman</u> / <u>MOA</u>	<u>2-27-2013</u>
<u>State Environmental Administrator</u>	<u>DATE</u>
* <u>Kathy Zahul</u> / <u>MOA</u>	<u>3-11-2013</u>
<u>State Traffic Engineer</u>	<u>DATE</u>
* <u>Lisa Myers</u> / <u>MOA</u>	<u>2-25-2013</u>
<u>Project Review Engineer</u>	<u>DATE</u>
* <u>Neil Kartner</u> / <u>MOA</u>	<u>2-25-2013</u>
<u>State Utilities Engineer</u>	<u>DATE</u>
* <u>Ben Rabun</u> / <u>MOA</u>	<u>3-6-2013</u>
<u>State Brlge Design Engineer</u>	<u>DATE</u>

State Transportation Financial Management Administrator 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).

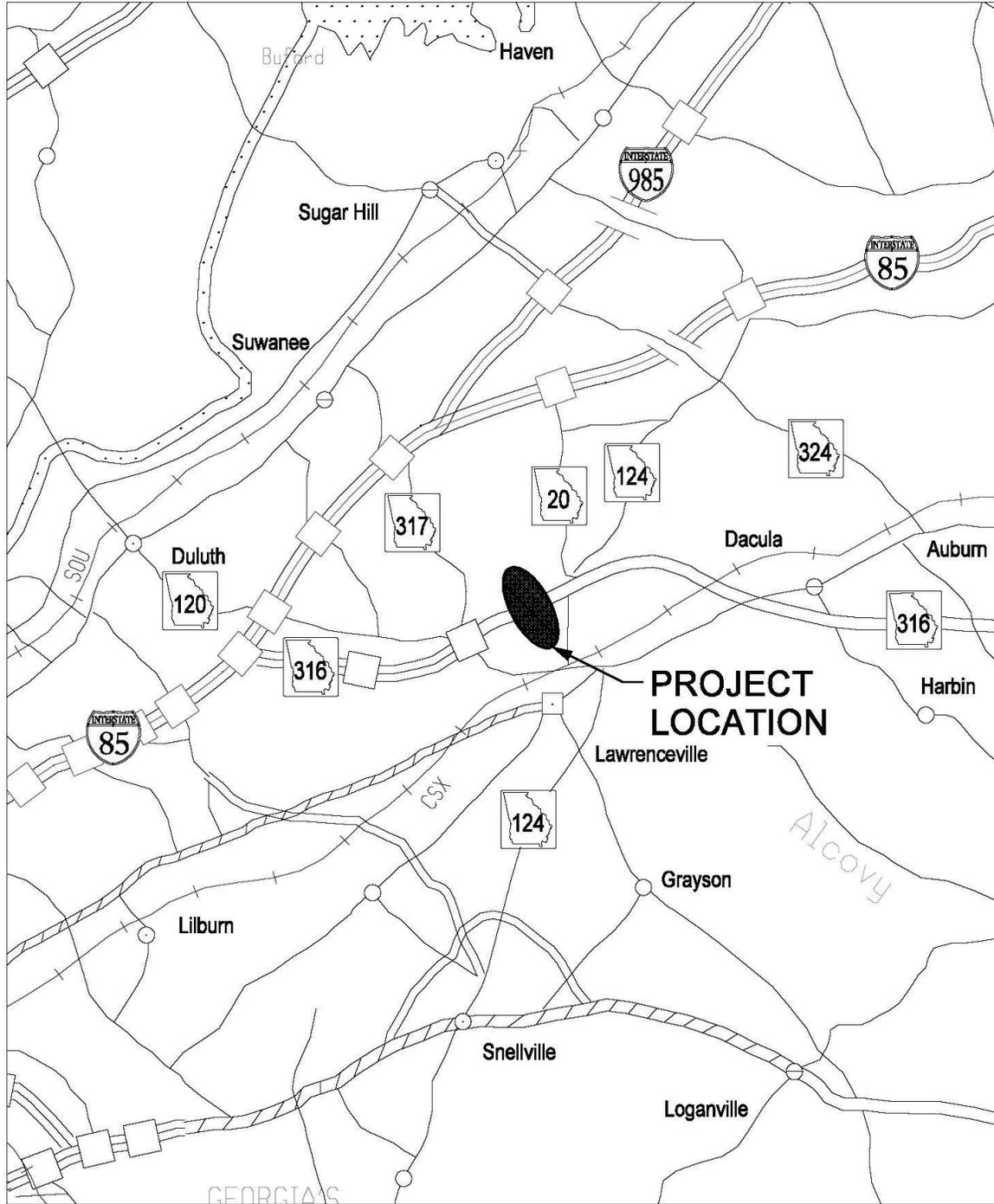
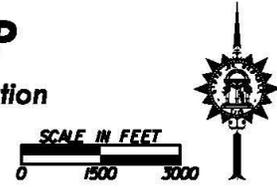
* <u>Cynthia VanDyke</u> * / <u>MOA</u>	<u>2-22-2013</u>
<u>State Transportation Planning Administrator</u>	<u>DATE</u>

* Consistent with RTP, however model is incorrect. Model shows ramps at Walther. Ramps will be removed with next update of Conformity model.

* Recommendations on file - MOA

PROJECT LOCATION MAP

S.R. 316 @ C.R. 3929 (Walther Blvd.) - Grade Separation
PROJECT NO. 0010425
GWINNETT COUNTY



County: Gwinnett

PLANNING & BACKGROUND DATA

Project Justification Statement:

SR 316 in Gwinnett County is a vital east/west freeway in Gwinnett County. Walther Blvd is a local road that intersects SR 316 from the north and from the south. North of SR 316 there is a balanced mix of residential and commercial properties. South of 316, Walther Blvd is largely commercial, and includes Gwinnett Medical Center. Currently, there is not a direct connection allowing for through traffic to stay on Walther Blvd while crossing SR 316.

The Office of Planning completed a study in 2009 (“SR 316 Implementation Plan”) that recommended Walther Blvd be converted to a grade separated intersection to allow for an HOV exit for SR 316. However, the HOT/HOV lanes are no longer being recommended in the RTP for SR 316; as a result, the grade separation of SR 316 and Walther Blvd was added to the RTP in 2011, with TIP ID number GW-379.

The Department’s approved Design traffic along the SR 316 corridor approaching Walther Blvd is 64,950 AADT in 2012 (existing), and 106,625 in the 2036 no-build. The design traffic on SR 316 after Walther Blvd is 64,300 AADT in 2012 (existing), and 105,500 in the 2036 no-build. The 2012 (existing) Design traffic along Walther Blvd to the northwest of SR 316 is 3,375 AADT and 1,375 AADT to the southeast. For the future (2036) no-build traffic on Walther Blvd, to the northwest of SR 316 the anticipated traffic is 5,550 AADT and 2,275 AADT to the southeast.

CRASH DATA:

The statewide average crash rates for 2009, 2008 and 2007 for an Urban Principal Arterial were 165, 207 and 205 crashes per 100 million vehicle miles traveled and the SR 316 corridor crash rates were 107, 118 and 187 crashes per 100 million vehicle miles traveled. This shows that the crash rates for this section of SR 316, has been consistently lower than the statewide average.

Table 2 – Urban Principal Arterial Freeway Crash Summary (mile post 6 – 6.50)

	2007	2008	2009
Total Accidents	27	17	15
Accidents Per 100 MVMT	187	118	107
Statewide Accidents Per 100 MVMT	205	207	165

Project Justification:

The goal of this project is to provide an alternative to the congestion along SR 120 in the area of SR 316. Connecting Walther Blvd north and south of SR 316 would allow regional traffic traveling from

County: Gwinnett

Lawrenceville to Suwannee, and local traffic accessing the hospital located south of SR 316 and accessing retail businesses and residents north of SR 316 to avoid the congestion on SR 120.

Proposed Project limits

The north project limit is Tree Creek Parkway and the south limit is approximately 1000 feet south of SR 316. Both project limits are based on the distance required to obtain the proper elevation for the bridge to cross over SR 316. Design requirements may require limits to be extended in either direction.

Description of the proposed project: P.I. 0010425 is the grade separation of Walther Boulevard over S.R. 316 in Gwinnett County that is partially located in the City of Lawrenceville. This project will eliminate the existing right in/right out access from S.R. 316 to Walther Boulevard and vice versa. The proposed project is approximately 0.3 miles in length and consists of a four span bridge 404 ft in length. The bridge span and arrangement do not preclude the addition of a HOV/Managed Lane access point as well as the subsequent required widening of S.R. 316. Walther Boulevard will consist of two 12 ft travel lanes, two 4 ft bike lanes, a 14 ft two way left turn lane and 12 ft shoulder consisting of a 5 ft pedestrian sidewalk.

Federal Oversight: Full Oversight Exempt State Funded Other

MPO: Atlanta Regional Commission (ARC)

MPO Project ID GW-379

Regional Commission: Atlanta Regional Commission

RC Project ID GW-379

Congressional District(s): 7

Projected Traffic: ADT

Current Year (2012): 3600 Open Year (2016): 850

Design Year (2036): 1300

Traffic Projections Performed by: GDOT

Functional Classification (Mainline): Urban Local Road

Is this a 3R (Resurfacing, Restoration, & Rehabilitation) Project?

No

Yes

Is this project on a designated Bike Route, Pedestrian Plan, or Transit Network?

None

Bike Route

Pedestrian Plan

Transit Network

CONTEXT SENSITIVE SOLUTIONS

Issues of Concern: The project does not impact any cultural, environmental or historical resources. The one issue of concern will be the impact to the residents on Walther Blvd. Residents on Walther Blvd will lose direct access to SR 316 and may require them to alter their trip routes.

County: Gwinnett

Context Sensitive Solutions: As part of the public involvement process, maps of the area will be displayed that illustrate the existing road network. The maps along with project representatives will be able to provide guidance for traffic routing once the grade separation is complete.

DESIGN AND STRUCTURAL DATA

Mainline Design Features: C.R. 3929 (Walther Blvd.)

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2 (1 each direction)	2 (1 each direction)	2 (1 each direction)
- Lane Width(s)	12'	12' Desirable (10' min.)	12'
- Median Width & Type	12' flush median	14' flush median	14' flush median
- Outside Shoulder or Border Area Width	Varies (8' to 76')	16' Desirable (10' Min.)	12'
- Outside Shoulder Slope	2.00%	2.00%	2.00%
- Inside Shoulder Width	N/A	N/A	N/A
- Sidewalks	Intermittent (3' to 5' in width)	5' wide (6' buffer)	5' wide (2' buffer)
- Auxiliary Lanes	12' wide	12' Desirable (10' Min.)	12' wide
- Bike Lanes	Not Provided	4' wide	Provided
Posted Speed	Not Posted		35 MPH
Design Speed	35 MPH	35 MPH	35 MPH
Min Horizontal Curve Radius	575'	371'	575'
Superelevation Rate	0.037 ft/ft	0.040 ft/ft	0.037 ft/ft
Grade	6% Max.	11% Max. (Rolling)	8% Max.
Access Control	Permitted Access	Permitted Access	Partial Control
Right-of-Way Width	Varies (80' to 147.5')		Varies (80' to 147.5')
Maximum Grade – Crossroad	N/A	N/A	N/A
Design Vehicle	SU	SU or p	SU

*According to current GDOT design policy if applicable

Major Structures:

Structure	Existing	Proposed
C.R. 2939 (Walther Blvd.) over S.R. 316	Not Applicable	64'-5" x 404'-0" four span bridge over S.R. 316. Bridge includes two-12' travel lanes with 4' bike lane in each direction separated by a 14' flush median. 6' sidewalks are provided on both sides.

County: Gwinnett

Major Interchanges/Intersections: CR 2939 (Walther Blvd.) at S.R. 316 is an existing at-grade interchange (to be replaced with a grade separated overpass under this proposed project).

Utility Involvements: The existing portions of Walther Blvd. on the north and south side of SR 316 have 4 in. natural gas line (City of Lawrenceville Gas), 12 in. water line (Gwinnett County Department of Water Resources), buried electric service (Jackson EMC), buried telecommunications (AT & T) and 8 in. clay sanitary sewer line (Gwinnett County Department of Water Resources). Each of these utilities will require relocation due to the vertical adjustment required for the grade separation of Walther Blvd. over SR 316.

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

SUE Required: No Yes

SUE investigation was completed in December 2006 for the project corridor by So-Deep Inc. An update to the completed SUE has been requested and is due Summer 2013.

Railroad Involvement: Not Applicable

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

Warrants met: None Bicycle Pedestrian Transit

Bicycle and Pedestrian accommodations are included in the proposed project. The proposed project is in close proximity of a college, Georgia Gwinnett College, so bicycle accommodations are included.

Right-of-Way:

Required Right-of-Way anticipated: No Yes Undetermined

Easements anticipated: None Temporary Permanent Utility Other

Anticipated number of impacted parcels:	4
Displacements anticipated:	Total: 0
	Businesses: 0
	Residences: 0
	Other: 0

Location and Design approval: Not Required Required

Off-site Detours Anticipated: No Undetermined Yes

The grade separation of Walther Blvd. over SR 316 will permanently remove the direct access to SR 316 from Walther Blvd. Alternate routes will be displayed at the Public Information Open House.

Transportation Management Plan [TMP] Required: No Yes

If Yes: Project classified as: Non-Significant Significant

TMP Components Anticipated: TTC TO PI

County: Gwinnett

This project would be categorized as Non-Significant due to the fact that it is not an Interstate and that lane closures would not be required to construct the project. The details for Temporary Traffic Control (TTC) and Public Information (PI) should be included in the TMP due to the fact that the access to Walther Boulevard from S.R. 316 and vice versa would be permanently removed.

Design Exceptions to FHWA/AASHTO controlling criteria anticipated:

FHWA/AASHTO Controlling Criteria	No	Undeter- -mined	Yes	Appvl Date (if applicable)
1. Design Speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Lane Width	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Shoulder Width	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Bridge Width	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Horizontal Alignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Superelevation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Vertical Alignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Grade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. Stopping Sight Distance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10. Cross Slope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11. Vertical Clearance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12. Lateral Offset to Obstruction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13. Bridge Structural Capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Design Variances to GDOT Standard Criteria anticipated:

GDOT Standard Criteria	Reviewing Office	No	Undeter- -mined	Yes	Appvl Date (if applicable)
1. Access Control - Median Opening Spacing	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Median Usage & Width	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Intersection Skew Angle	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Lateral Offset to Obstruction	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Intersection Sight Distance	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Bike, Pedestrian & Transit Accommodations	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. GDOT Drainage Manual	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Georgia Standard Drawings	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. GDOT Bridge & Structural Manual	Bridge Design	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10. Roundabout Illumination	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11. Rumble Strips	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12. Safety Edge	DP&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

VE Study anticipated:

No

Yes

Completed – Date:

ENVIRONMENTAL DATA

Anticipated Environmental Document:

GEPA: NEPA: CE EA/FONSI EIS

Project 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

PI 0010425 is listed in the Atlanta Regional Commissions FY 2012-2017 TIP by reference number GW-379 and is described as Walther Boulevard Grade Separation at SR 316.

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

Environmental Permits/Variations/Commitments/Coordination anticipated:

Permit/ Variance/ Commitment/ Coordination Anticipated	No	Yes	Remarks
1. U.S. Coast Guard Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Forest Service/Corps Land	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. CWA Section 404 Permit	<input type="checkbox"/>	<input type="checkbox"/>	unknown
4. Tennessee Valley Authority Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Buffer Variance	<input type="checkbox"/>	<input type="checkbox"/>	unknown
6. Coastal Zone Management Coordination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. NPDES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. FEMA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Cemetery Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Other Permits	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Other Commitments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Other Coordination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Is a PAR required? No Yes Completed – Date:

NEPA/GEPA: A NEPA Categorical Exclusion will be prepared for the proposed project.

Ecology: A waters and threatened and endangered species survey is required. Habitat is present for Georgia aster; a survey was conducted in November 2012 and no populations were identified.

History: No historic properties exist in the project area. A memo to file will be prepared. SHPO concurrence will not be required.

Archeology: A Phase I archaeological survey will be required.

County: Gwinnett

Air & Noise: An Air Quality Impact Assessment will be prepared. A Type I Noise Assessment is required. Barriers may be feasible along SR 316.

Public Involvement: A Public Information Open House will be held.

Major stakeholders: The major stakeholders include the traveling public, residents, local businesses, Gwinnett Medical Center and Georgia Gwinnett College.

CONSTRUCTION

Issues potentially affecting constructability/construction schedule: The entrances to the apartments on the northeast and southwest corners of the grade separation will have to remain open during construction. Due to the vertical adjustment required for the grade separation, portions of Walther Blvd. will have to be stage constructed to maintain access to these apartments. Due to the high volume of traffic on SR 316 (approximate 65,000 ADT) lane closures will only be allowed during off peak periods.

Early Completion Incentives recommended for consideration: No Yes

PROJECT RESPONSIBILITIES

Project Activities:

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

Lighting required: No Yes

Concept Meeting: The Concept Team Meeting was held January 14, 2013 at the GDOT General Office. The Inspection Team included GDOT District 1 staff as well as key Gwinnett County DOT staff and several Utility Owners. See attached meeting minutes.

Other projects in the area:

County: Gwinnett

PI 0004086, SR 316 From West of CR 104/Collins Hill Rd to CR 177/Hi-Hope Rd – Grade Separation of Collins Hill Rd. and SR 20 over SR 316. There are several side road improvements required as part of this project as well. This project is currently under construction.

PI 0010659, SR 316 at CR 3929/Walther Blvd. and Collins Ind. Way Pedestrian Bridge – Pedestrian improvements to connect north side of SR 316 (Georgia Gwinnett College campus) to the south side of SR 316 using the grade separation of Walther Blvd. and SR 316 (PI 0010425) and a pedestrian bridge/path from Collins Industrial Way to Classroom Building A and the Wellness Center.

PI 122750, SR 316 from Riverside Parkway to East of Walther Blvd – Project would add one general purpose lane on SR 316 from Riverside Parkway to east of Walther Blvd.

PI 0003168, SR 316 From I-85 to West of CR 104 and CR 177 to CR 183, HOV Lanes – Proposed HOV lanes from I-85 to Progress Center Drive. Includes HOV interchanges at Herrington Road, Lawrenceville-Suwanee Road, Walther Blvd. and Hurricane Shoals Road.

Other coordination to date: None to date.

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
By Whom	GDOT	Gwinnett County	GDOT	GDOT		
\$ Amount	\$250,000	\$480,000	\$509,963.00	\$3.84 M		\$5.08M
Date of Estimate	11/28/2011	2/27/2013	2/8/2013	1/21/2013		

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

ALTERNATIVES DISCUSSION

Alternative selection: The proposed project is the proposed grade separation of Walther Blvd. over SR 316. There are no alternatives to discuss other than the no-build.

Preferred Alternative: Walther Blvd. over SR 316			
Estimated Property Impacts:	4 parcels	Estimated Total Cost:	\$5.08M
Estimated ROW Cost:		Estimated CST Time:	12-18 Months
Rationale: The preferred alternative meets the project goal by creating a grade separation over SR 316. This alternative also does not preclude the future addition of a HOT/HOV ramp to connect Walther Blvd. with SR 316 as proposed in the SR 316 Implementation Plan discussed in the Project Justification Statement.			

No-Build Alternative: No-build			
Estimated Property Impacts:		Estimated Total Cost:	
Estimated ROW Cost:		Estimated CST Time:	
Rationale: The no-build alternative does not meet the project goal of creating a local alternative to congestion along SR 120. In addition to not meeting the project goal, the no-build does not fulfill the SR 316			

Implementation Plan as discussed in the Project Justification Statement.

Comments:

Attachments:

1. Concept Layout
2. Typical sections
3. Detailed Cost Estimates:
 - a. Construction including Engineering and Inspection
 - b. Completed Fuel & Asphalt Price Adjustment forms
 - c. Right-of-Way
 - d. Utilities
4. Crash summaries
5. Traffic diagrams
6. Email Regarding Conforming Plan's Network Schematics
7. Minutes from Concept Team Meeting

APPROVALS

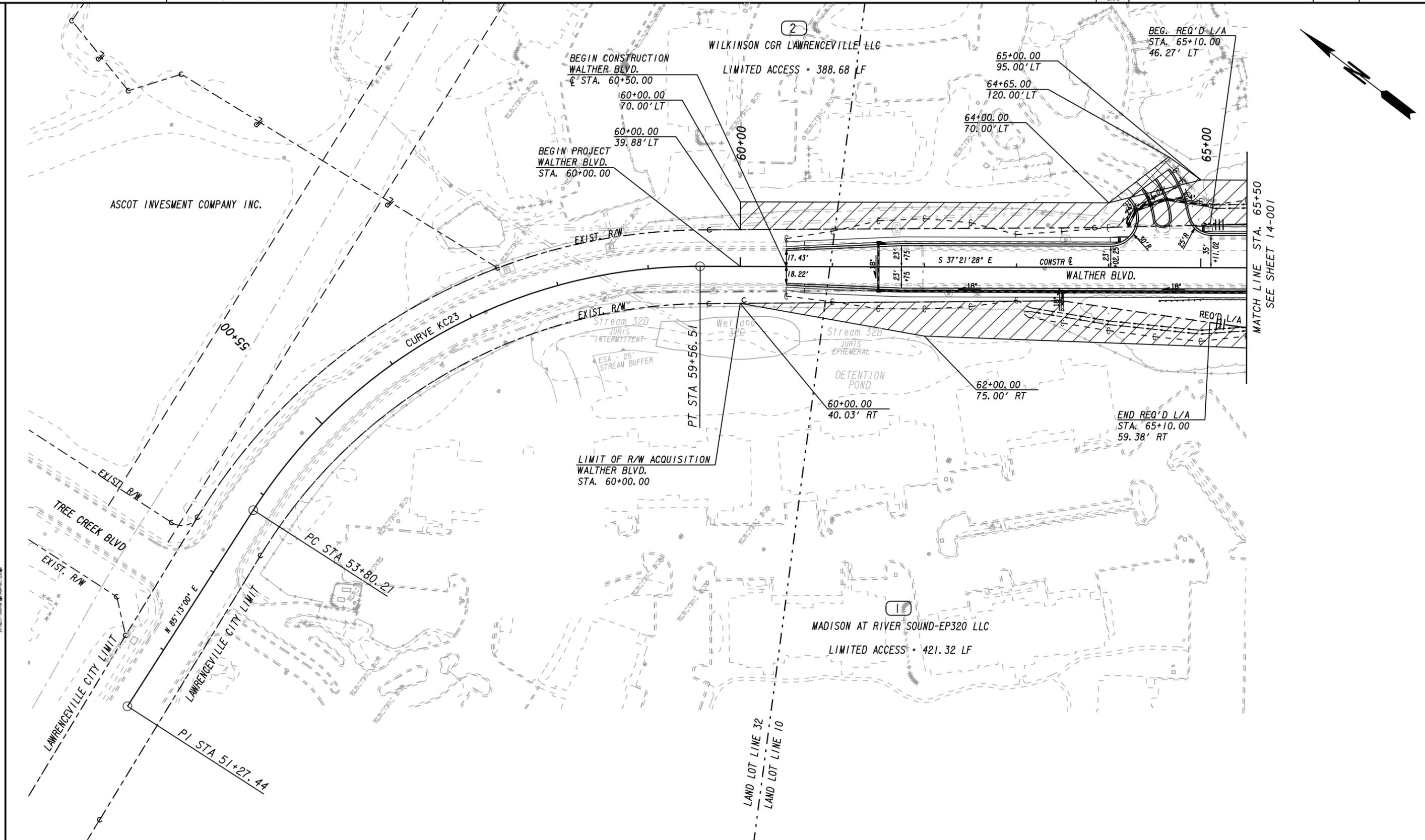
Concur: *[Signature]* 5-10-13
Director of Engineering

Approve: *[Signature]*
Chief Engineer

5/20/13
Date

Attachment 1

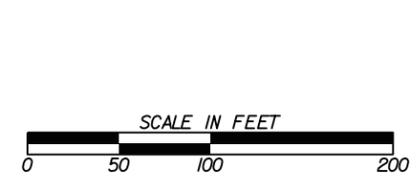
Concept Layout



MATCH LINE STA. 65+50
SEE SHEET 14-001

PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▧

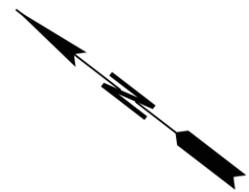
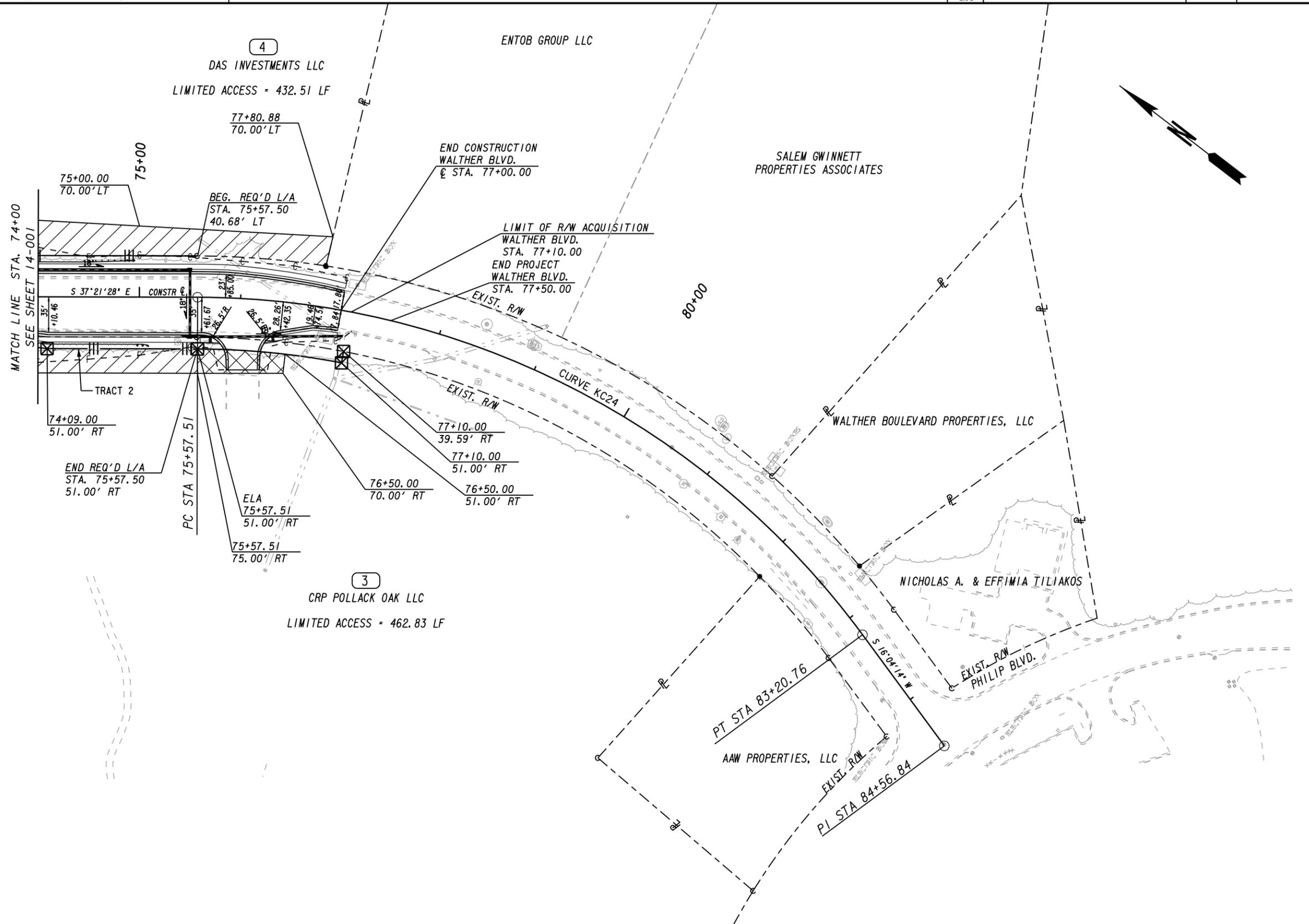
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REQ'D R/W & LIMIT OF ACCESS	---



REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
MAINLINE PLAN
WALTHER BLVD

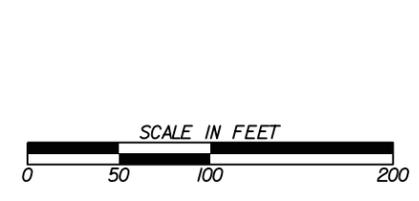
DRAWING No.
13-001



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PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▧

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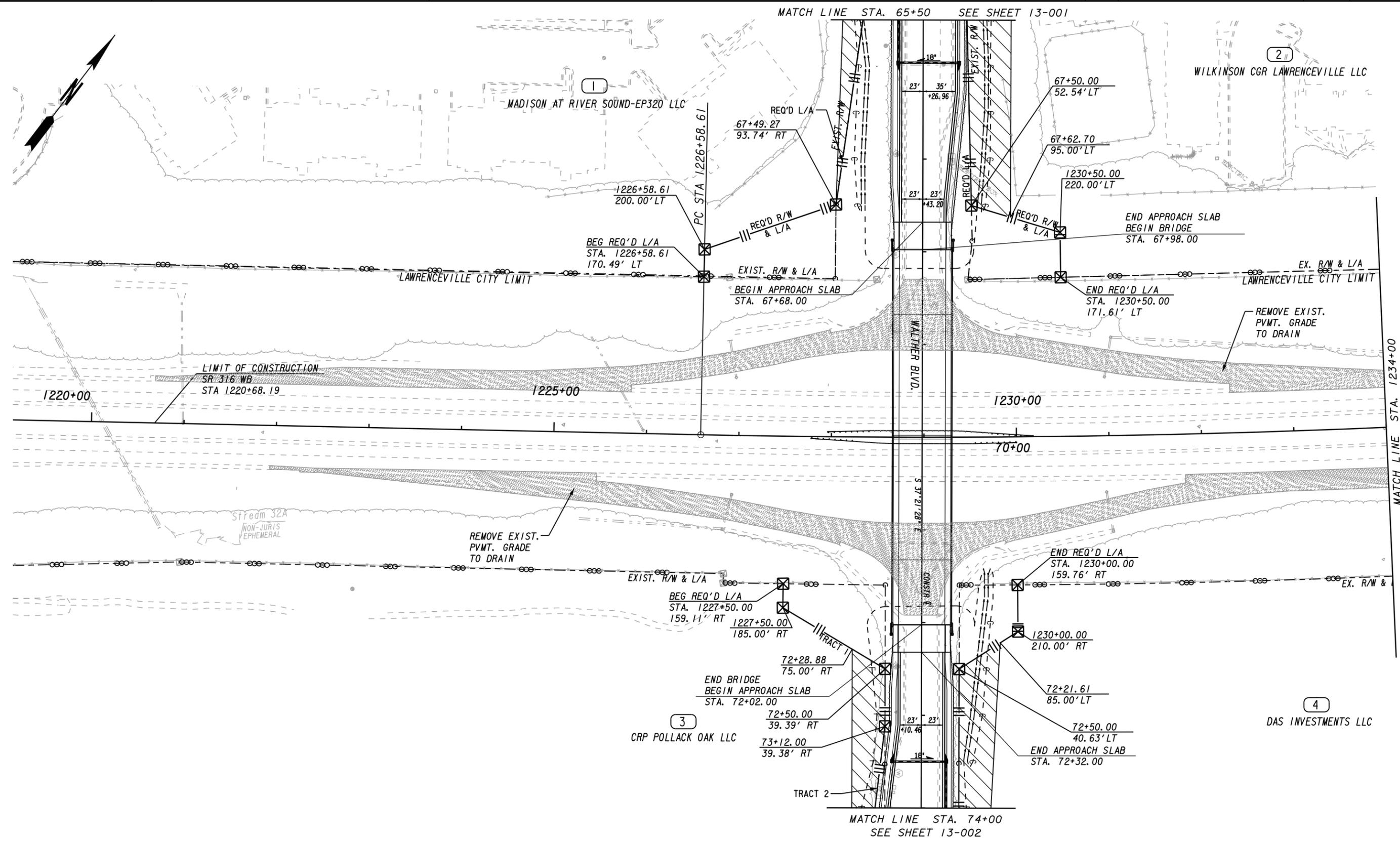


REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
MAINLINE PLAN
WALTHER BLVD

DRAWING No.
13-002

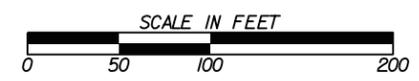
MATCH LINE STA. 65+50 SEE SHEET 13-001



MATCH LINE STA. 1234+00
SEE SHEET 14-002

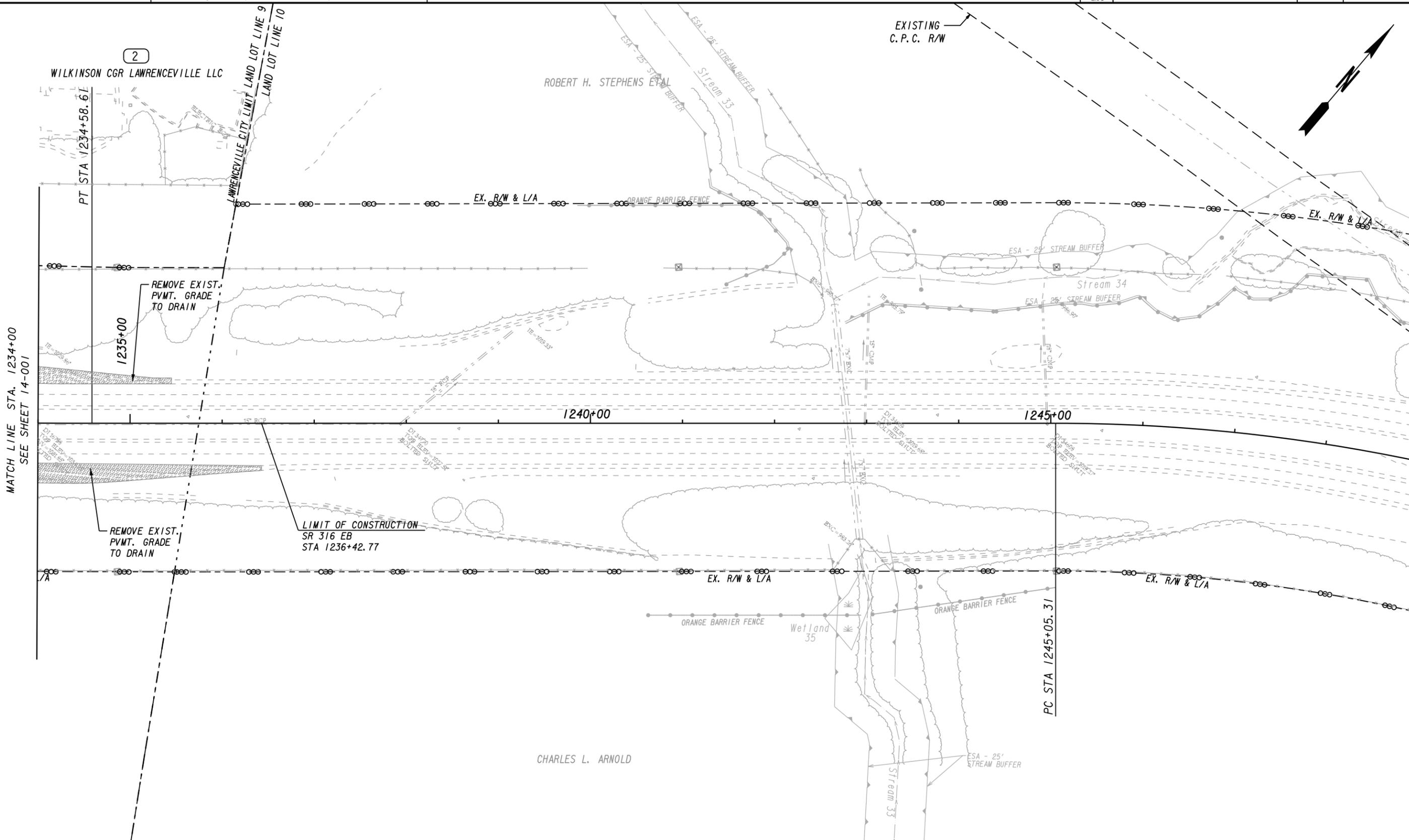
PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▨
EASEMENT FOR CONSTR OF DRIVES	▨

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 LIMIT OF ACCESS
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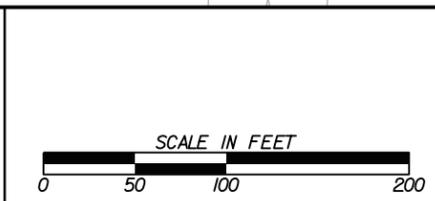
REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY
CROSSROAD PLAN
 WALTHER BLVD
 DRAWING No. 14-001



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▧

BEGIN LIMIT OF ACCESS.....BLA	---
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LIMIT OF ACCESS	---
REQ'D R/W & LIMIT OF ACCESS	---

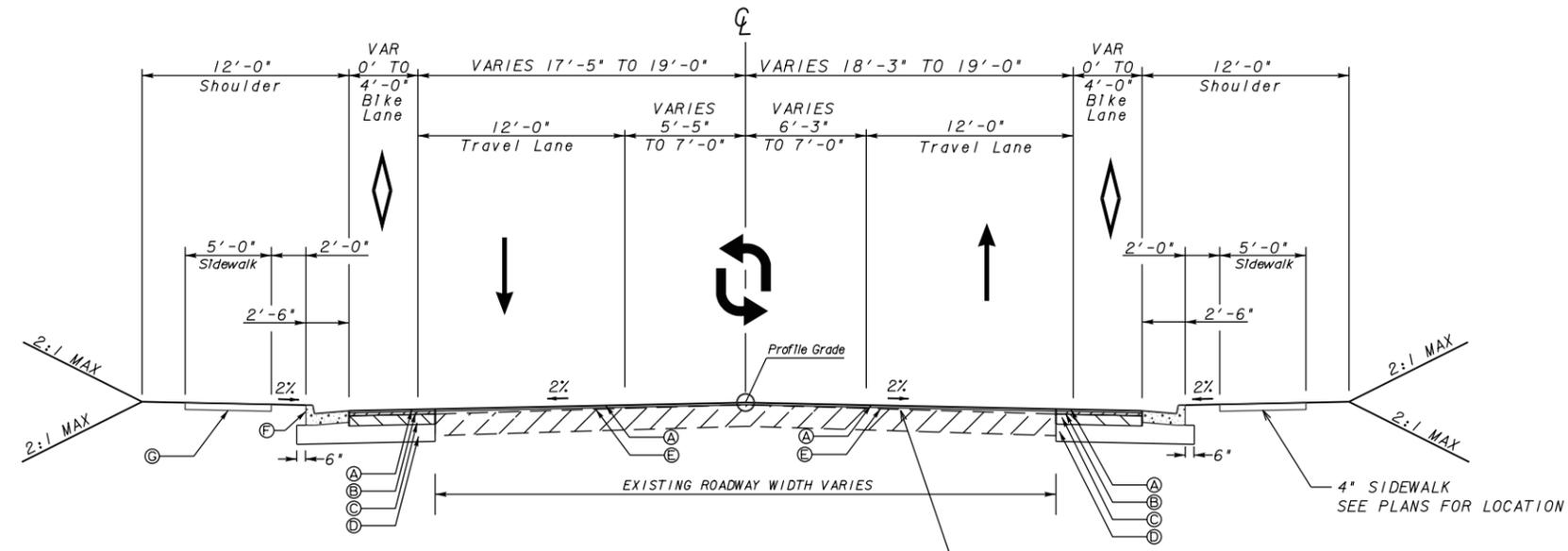


REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
CROSSROAD PLAN
WALTHER BLVD
DRAWING No. 14-002

Attachment 2

Typical Sections

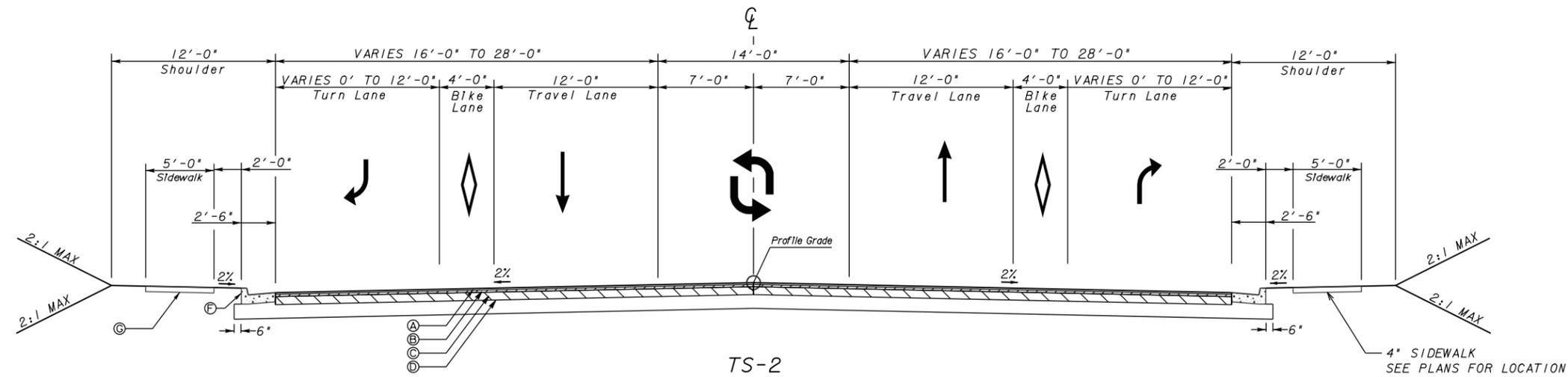


TS-1
TANGENT SECTION
OVERLAY AND WIDENING
WALTHER BLVD.
STA. 60+50.00 TO 62+00.00

PAVEMENT MATERIAL SCHEDULE	
(A)	RECYCLED ASPH. CONC. 12.5 mm SUPERPAVE, 165 LBS./SY
(B)	RECYCLED ASPH. CONC. 19 mm SUPERPAVE, 220 LBS./SY
(C)	RECYCLED ASPH. CONC. 25 mm SUPERPAVE, 770 LBS./SY
(D)	GRADED AGGREGATE BASE COURSE, 12"
(E)	ASPHALTIC CONCRETE LEVELING, AS REQUIRED
(F)	CONCRETE CURB & GUTTER, 8" X 30", TYPE 2, GA STD. 9032 B
(G)	5' CONCRETE SIDEWALK, 4 INCH THICK

SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-10'	0-10'
3:1	--	--
*2:1	OVER 10'	OVER 10'

*GUARDRAIL REQUIRED ON FILL SLOPES



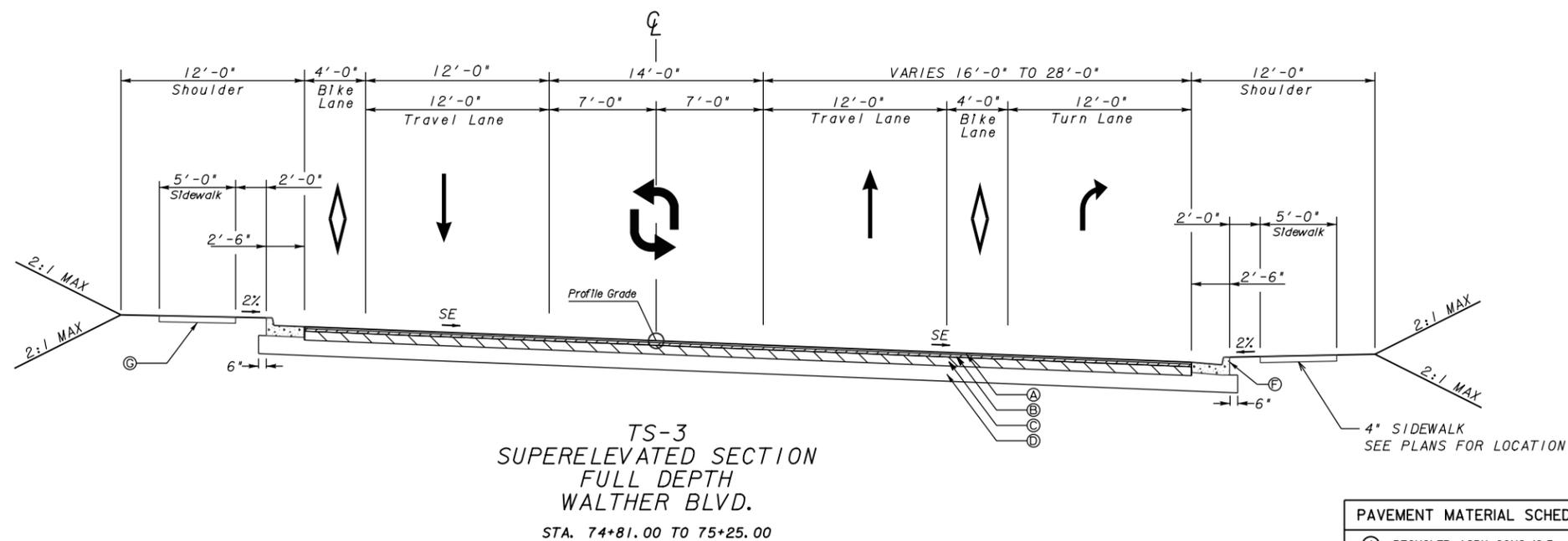
TS-2
TANGENT SECTION
FULL DEPTH
WALTHER BLVD.
STA. 62+00.00 TO STA. 67+68.00
STA. 72+32.00 TO STA. 74+81.00

ATKINS

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
TYPICAL SECTIONS
WALTHER BLVD

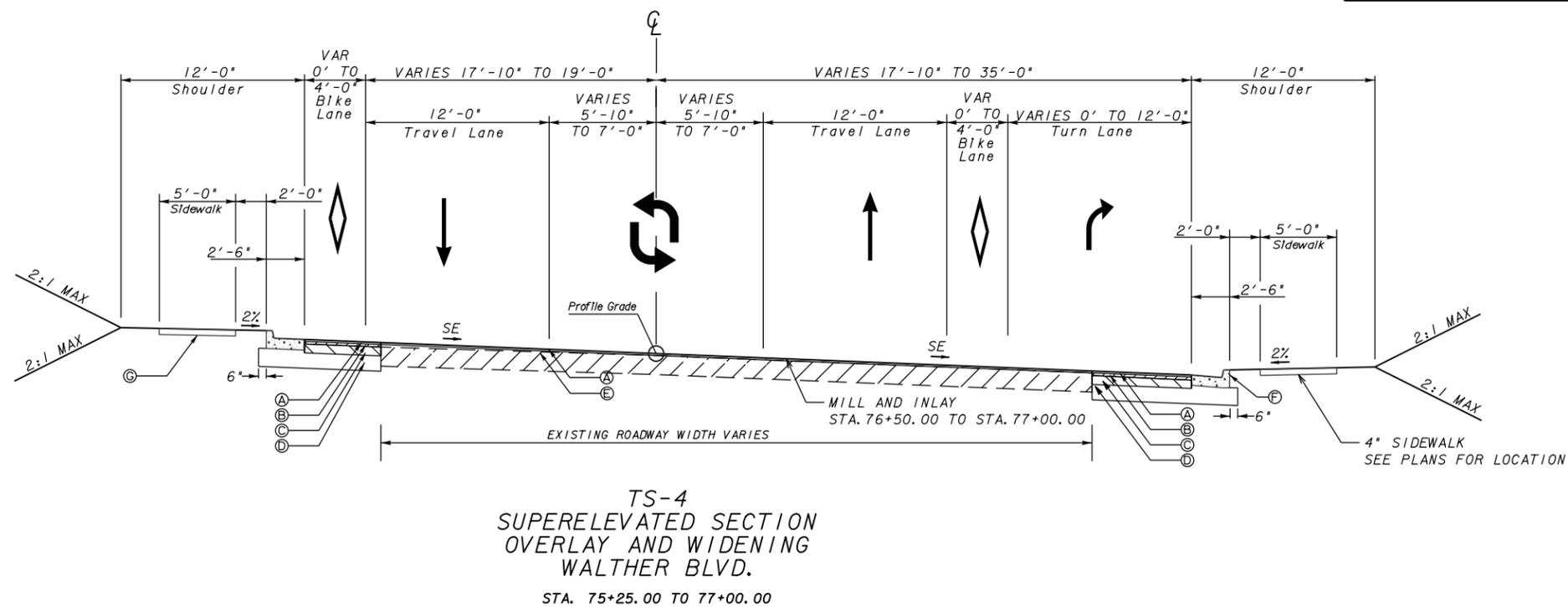
DRAWING No.
5-001



PAVEMENT MATERIAL SCHEDULE	
(A)	RECYCLED ASPH. CONC. 12.5 mm SUPERPAVE, 165 LBS./SY
(B)	RECYCLED ASPH. CONC. 19 mm SUPERPAVE, 220 LBS./SY
(C)	RECYCLED ASPH. CONC. 25 mm SUPERPAVE, 770 LBS./SY
(D)	GRADED AGGREGATE BASE COURSE, 12"
(E)	ASPHALTIC CONCRETE LEVELING, AS REQUIRED
(F)	CONCRETE CURB & GUTTER, 8" X 30", TYPE 2, GA STD. 9032 B
(G)	5' CONCRETE SIDEWALK, 4 INCH THICK

SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-10'	0-10'
3:1	--	--
*2:1	OVER 10'	OVER 10'

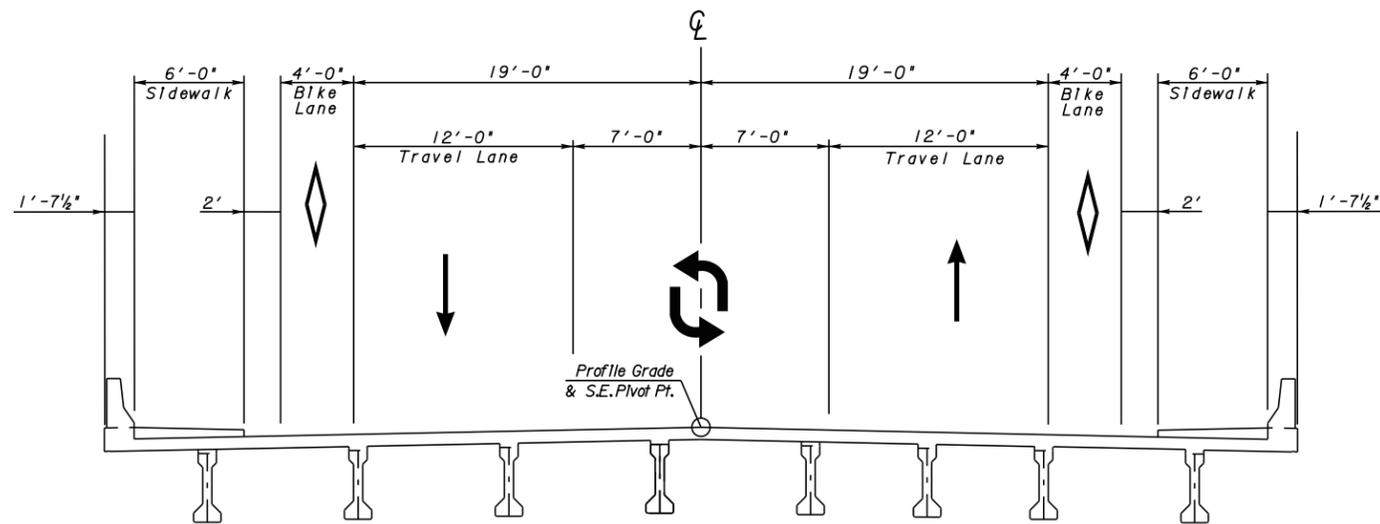
*GUARDRAIL REQUIRED ON FILL SLOPES



ATKINS

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
TYPICAL SECTIONS
WALTHER BLVD
DRAWING No. 5-002



TS-5
BRIDGE SECTION
WALTHER BLVD.
STA. 67+98.00 TO 72+02.00

ATKINS

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
TYPICAL SECTIONS
WALTHER BLVD

DRAWING No.
5-003

Attachment 3a

**Construction Cost Estimate
including Engineering and
Inspection**

0010425 - WALTHER BLVD OVER SR 316

ROADWAY ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	Lump Sum	\$50,000.00	TRAFFIC CONTROL	\$50,000.00
210-0100	1	LS	\$100,000.00	GRADING COMPLETE	\$100,000.00
310-1101	5000	TN	\$14.77	GR AGGR BASE CRS, INCL MATL	\$73,850.00
402-1812	280	TN	\$69.18	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	\$19,370.40
402-3121	2300	TN	\$58.49	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	\$134,527.00
402-3130	640	TN	\$67.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	\$42,880.00
402-3190	660	TN	\$63.66	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	\$42,015.60
413-1000	600	GL	\$2.47	BITUM TACK COAT	\$1,482.00
432-5010	750	SY	\$3.16	MILL ASPH CONC PVMT, VARIABLE DEPTH	\$2,370.00
433-1000	350	SY	\$175.54	REINF CONC APPROACH SLAB	\$61,439.00
441-0104	1300	SY	\$23.66	CONC SIDEWALK, 4 IN	\$30,758.00
441-6222	2500	LF	\$12.30	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	\$30,750.00
441-6720	110	LF	\$11.76	CONC CURB & GUTTER, 6 IN X 30 IN, TP 7	\$1,293.60
446-1100	100	LF	\$2.43	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	\$243.00
500-9999	25	CY	\$170.58	CLASS B CONC, BASE OR PVMT WIDENING	\$4,264.50
550-1180	1060	LF	\$30.00	STORM DRAIN PIPE, 18 IN, H 1-10	\$31,800.00
550-1240	100	LF	\$38.88	STORM DRAIN PIPE, 24 IN, H 1-10	\$3,888.00
550-4218	1	EA	\$479.17	FLARED END SECTION 18 IN, STORM DRAIN	\$479.17
550-4224	1	EA	\$599.89	FLARED END SECTION 24 IN, STORM DRAIN	\$599.89
634-1200	17	EA	\$98.78	RIGHT OF WAY MARKERS	\$1,679.26
641-1100	200	LF	\$69.62	GUARDRAIL, TP T	\$13,924.00
641-1200	1200	LF	\$18.37	GUARDRAIL, TP W	\$22,044.00
641-5001	2	EA	\$680.28	GUARDRAIL ANCHORAGE, TP 1	\$1,360.56
641-5012	4	EA	\$1,904.31	GUARDRAIL ANCHORAGE, TP 12	\$7,617.24
611-3000	1	EA	\$1,534.56	RECONSTR CATCH BASIN, GROUP 1	\$1,534.56
668-1100	9	EA	\$2,105.62	CATCH BASIN, GP 1	\$18,950.58
668-2100	2	EA	\$1,820.09	DROP INLET, GP 1	\$3,640.18
668-4300	1	EA	\$1,723.95	STORM SEW MANHOLE, TP 1	\$1,723.95

Subtotal: \$704,484.49

Miscellaneous Items

Item Number	Quantity	Units	Unit Price	Item Description	Cost
	25048	SF	\$100.00	BRIDGE OVER SR 316	\$2,504,800.00
	1	LS	\$35,300.00	SIGNING AND MARKING (5%)	\$35,300.00
	1	LS	\$35,300.00	EROSION CONTROL (5%)	\$35,300.00

Subtotal: \$2,575,400.00

Construction Cost	\$3,279,884.49
Engineering and Inspection (5.0%)	\$163,994.22
Design (10%)	\$327,988.45
Total Liquid AC Adjustment	\$66,875.52
Total Design Build Cost	\$3,838,742.68

Right Of Way	\$480,000.00
ReImb. Utilities	\$509,963.00
Total Project Cost	\$4,828,705.68

Attachment 3b

Fuel & Asphalt Price Adjustment forms

PROJ. NO.

0010425

CALL NO.

P.I. NO.

0010425

DATE

1/21/2013

INDEX (TYPE)

REG. UNLEADED

Jan-13

\$ 3.278

DIESEL

\$ 3.938

LIQUID AC

\$ 567.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)

65998.8

\$

65,998.80

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$ 907.20

Monthly Asphalt Cement Price month project let (APL)

\$ 567.00

Total Monthly Tonnage of asphalt cement (TMT)

194

ASPHALT	Tons	%AC	AC ton
Leveling	280	5.0%	14
12.5 OGFC		5.0%	0
12.5 mm	640	5.0%	32
9.5 mm SP		5.0%	0
25 mm SP	2300	5.0%	115
19 mm SP	660	5.0%	33
	3880		194

BITUMINOUS TACK COAT

Price Adjustment (PA)

\$ 876.72

\$

876.72

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$ 907.20

Monthly Asphalt Cement Price month project let (APL)

\$ 567.00

Total Monthly Tonnage of asphalt cement (TMT)

2.577060553

Bitum Tack

Gals	gals/ton	tons
600	232.8234	2.57706055

PROJ. NO.

0010425

CALL NO.

P.I. NO.

0010425

DATE

1/21/2013

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)						0	\$	-
Monthly Asphalt Cement Price month placed (APM)		Max. Cap	60%	\$	907.20			
Monthly Asphalt Cement Price month project let (APL)				\$	567.00			
Total Monthly Tonnage of asphalt cement (TMT)					0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

TOTAL LIQUID AC ADJUSTMENT							\$	66,875.52
-----------------------------------	--	--	--	--	--	--	----	------------------

Attachment 3c

Right-of-Way Cost Estimate

**GEORGIA DEPARTMENT OF TRANSPORTATION
DETAILED ROW COST ESTIMATE SUMMARY**

Date (MM/YYYY): November-12 Project: MSL00-0003-00(168)
 Revised: August-09 County: Gwinett
 PI: N/A

Description: Bridge over Hwy 316 @ Walther Blvd
 Parcels: 4 R/W Plan Date: 7/22/2009
 FOR FUNDING ONLY

CONTRACT

Land and Improvements _____ \$385,661.90
 Valuation Services _____ \$7,500.00
 Legal Services _____ \$40,200.00
 Relocation _____ \$4,000.00
 Demolition _____ \$0.00
TOTAL CONTRACT _____ \$437,361.90

IN-HOUSE

Sponsor In-house _____ \$35,000.00
 Sponsor Estimated Costs _____ \$472,361.90
 Agency Oversight In-house _____ \$4,000.00
TOTAL ESTIMATED COSTS _____ \$476,361.90

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$480,000.00

Preparation Credits	Hours	Signature
Robert C Wade	24	_____
Emory D. Dixon III		_____

 *CG#: 2403 (DATE) 2-27-13
 *CG#: (DATE)

*CG required only if used for Negotiations

Attachment(s): Project Location Map; Subject/Comp Location Map; Comparable Sales Data

Attachment 3d

Utility Cost Estimate

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0100425, Gwinnett County
SR 316 at Walther Blvd Overpass
Design-Build Project

OFFICE Gainesville

DATE February 8, 2013

FROM Neil Kantner, P.E. *NAK*
District Utilities Engineer

TO Andrew Hoenig, P.E.
Project Manger

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with a Preliminary Utility Cost Estimate for the subject project.

FACILITY OWNER	NON - REIMBURSABLE	REIMBURSABLE
Gwinnett Co. DWR - Water	\$ 0.00	\$ 350,000.00
AT&T - Telecom	\$ 162,841.00	\$ 0.00
Jackson EMC	\$ 0.00	\$ 117,438.00
City of Lawrenceville - Gas	\$ 0.00	\$ 42,525.00
Totals	\$ 162,841.00	\$ 509,963.00

Total reimbursable cost for the above project is estimated to be \$ 509,963.00

The Non-reimbursable cost for AT&T represents "betterment" for adding conduit on the bridge.

If you have any questions, please contact Neil Kantner at 770-532-5510.

NAK

C: Jeff Baker, State Utilities Engineer (email only)
Chris Dills, Area Engineer (email only)
File

Attachment 4

Crash Summaries

QUERY SUMMARY

For Year(s): 2007,2008,2009

Year	County	Route Type	Route Number	Beginning Milelog	Ending Milelog	No. Accidents	No. Injuries	No. Fatalities
2007	Gwinnett	State Route	031600	6.00	6.50	27	4	0
2007 SubTotal						27	4	0
2008	Gwinnett	State Route	31600	6.00	6.50	17	4	0
2008 SubTotal						17	4	0
2009	Gwinnett	State Route	31600	6.00	6.50	15	3	0
2009 SubTotal						15	3	0
All Year(s)Total						59	11	0

ACCIDENT RATE CALCULATION for year(s)2007,2008,2009

Accident Data Information System

ACCIDENT RATE CALCULATION 2007

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2007	Gwinnett	1	031600	6.00	6.50	64,300	0.50	32,150
Total Vehicle Miles: 32150	Total Accidents: 27	Accident Rate: 230	Statewide Accident Rate: 205					
Average AADT: 64300	Total Injuries: 4	Injury Rate: 34	Statewide Injury Rate: 45					
Length In Miles: 0.50	Total Fatalities: 0	Fatality Rate: 0.00	Statewide Fatality Rate: 0.27					

NOTE: Rates are per 100 Million Vehicle Miles.

ACCIDENT RATE CALCULATION 2008

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2008	Gwinnett	1	031600	6.00	6.50	64,300	0.50	32,150
Total Vehicle Miles: 32150	Total Accidents: 17	Accident Rate: 145	Statewide Accident Rate: 207					
Average AADT: 64300	Total Injuries: 4	Injury Rate: 34	Statewide Injury Rate: 47					
Length In Miles: 0.50	Total Fatalities: 0	Fatality Rate: 0.00	Statewide Fatality Rate: 0.87					

NOTE: Rates are per 100 Million Vehicle Miles.

ACCIDENT RATE CALCULATION 2009

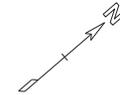
Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2009	Gwinnett	1	031600	6.00	6.50	64,300	0.50	32,150
Total Vehicle Miles: 32150	Total Accidents: 15	Accident Rate: 128	Statewide Accident Rate: 165					
Average AADT: 64300	Total Injuries: 3	Injury Rate: 26	Statewide Injury Rate: 41					
Length In Miles: 0.50	Total Fatalities: 0	Fatality Rate: 0.00	Statewide Fatality Rate: 0.35					

NOTE: Rates are per 100 Million Vehicle Miles.

Attachment 5

Traffic Diagrams

WINNETT COUNTY



CR 3931
24-HR. T = 3.2%
S.U. = 3.2%
COMB = 0%

WALTHER RD./
CR 3931

(650)
425

(650)
425

(50700)
34125

SR 316
24-HR T. = 6.5%
S.U. = 2%
COMB. = 4.5

SR 316/UNIVERSITY PKWY.

(50700)
34125

(50700)
34125

SR 316/UNIVERSITY PKWY.

(50700)
34125

(650)
425

WALTHER RD./
CR 3928

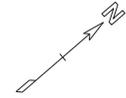
(650)
425

P. I. 0010425
WINNETT COUNTY
SR316@
CR3929/WALTHER BLVD.
GRADE SEPARATION

BUILD
2036 ADT=(000)
2016 ADT= 000

LRW
5/12

WINNETT COUNTY



CR 3931
T. = 4%
S.U. = 4%
COMB. = 0%

WALTHER RD./CR 3931

(55)
75

(75)
55

(2825)
5275

SR 316/UNIVERSITY PKWY.

(5275)
2825

(2825)
5275

SR 316/UNIVERSITY PKWY.

(5275)
2825

(55)
75

(75)
55

WALTHER RD./CR 3928

SR 316
T = 5%
S.U. = 2%
COMB. = 3%

P. I. 0010425
WINNETT COUNTY
SR316@
CR3929/WALTHER BLVD.
GRADE SEPARATION

BUILD 2036 DHV
PM=(000)
AM=000

WINNETT COUNTY



CR 3931
T. = 4%
S.U. = 4%
COMB. = 0%

WALTHER RD./CR 3931

(40)
45 (45)
40

(1925)
3550

SR 316/UNIVERSITY PKWY.

(3550)
1925

(1925)
3550

SR 316/UNIVERSITY PKWY.

(3550)
1925

(40)
45 (45)
40

WALTHER RD./CR 3928

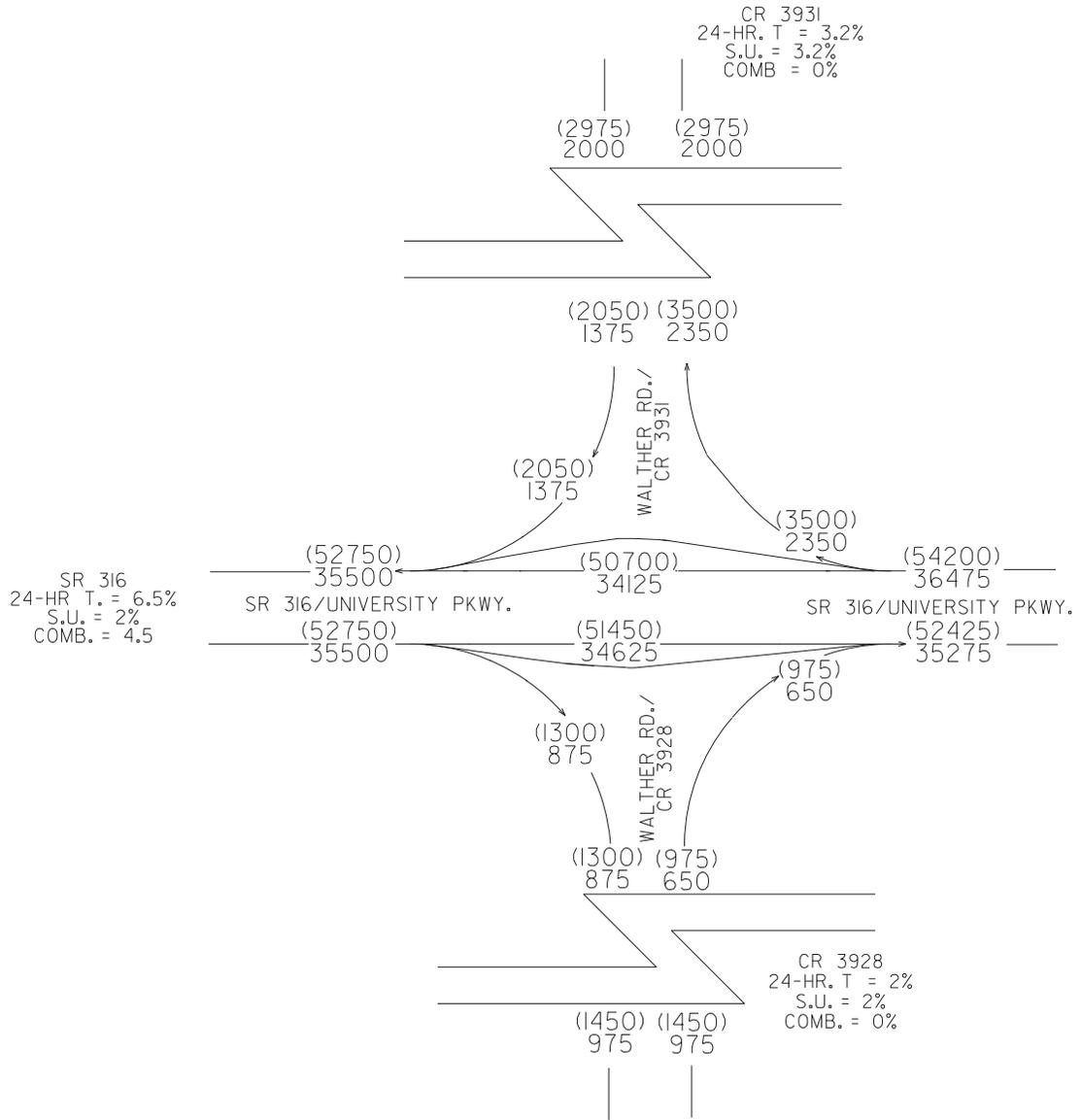
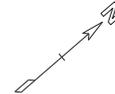
SR 316
T = 5%
S.U. = 2%
COMB. = 3%

P. I. 0010425
WINNETT COUNTY
SR316@CR3929/
WALTHER BLVD.
GRADE SEPARATION

BUILD 2016 DHV
PM= (000)
AM= 000

LRW
5/12

WINNETT COUNTY

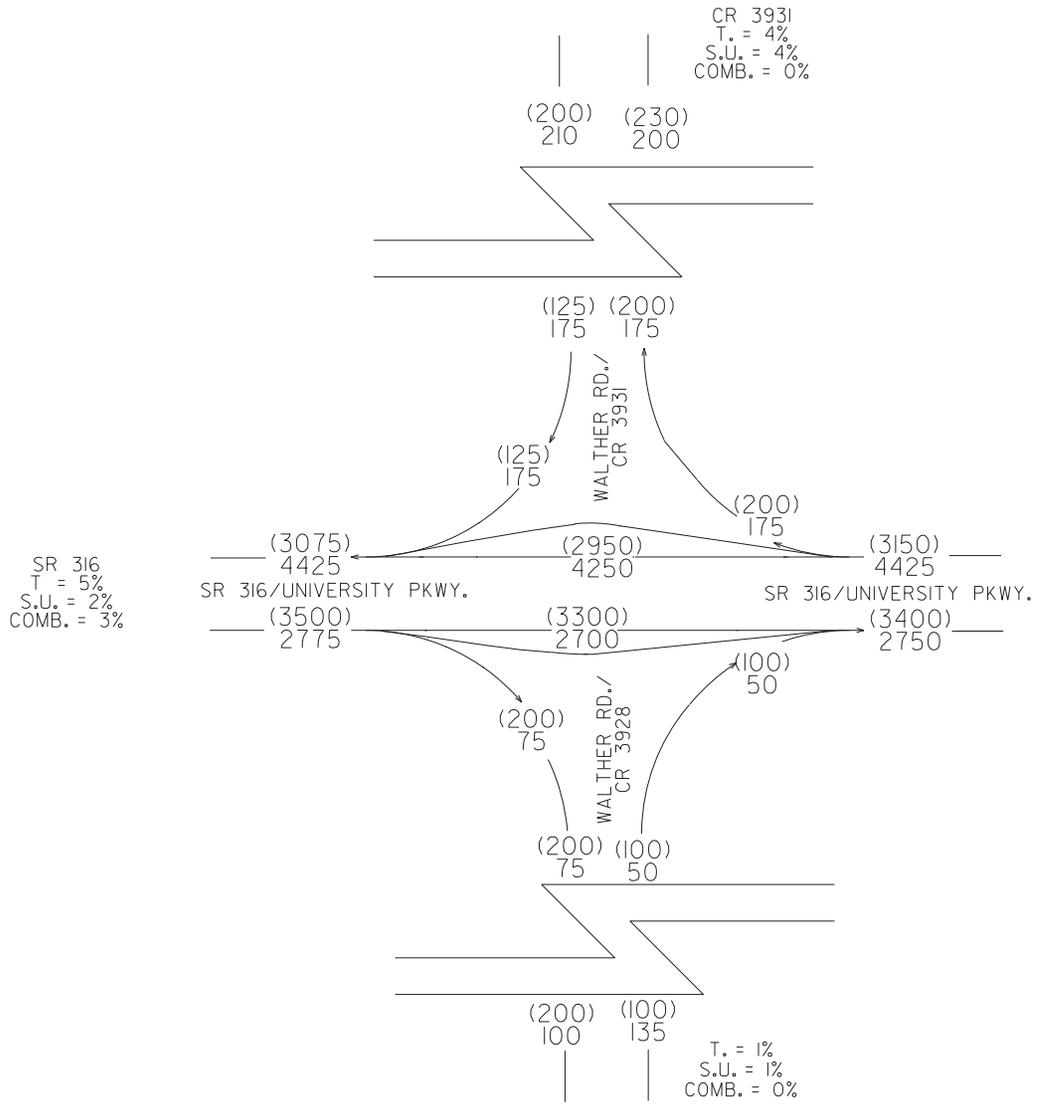


P. I. 0010425
WINNETT COUNTY
SR316@
CR3929/WALTHER BLVD.
GRADE SEPARATION

NO BUILD ADT
2036 = (000)
2016 = 000

LRW
5/12

WINNETT COUNTY

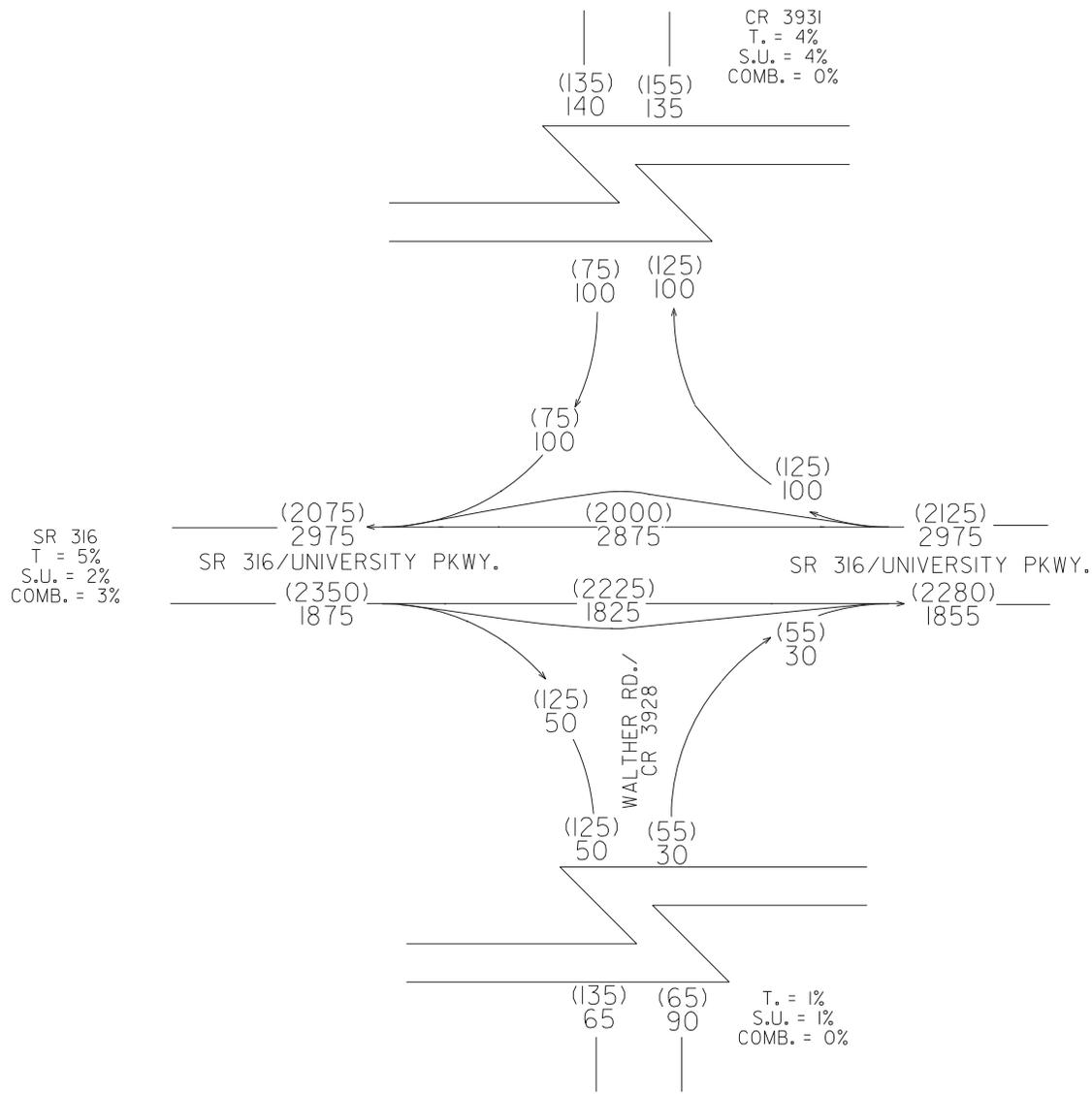
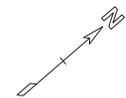


P. I. 0010425
WINNETT COUNTY
SR316@
CR3929/WALTHER BLVD.
GRADE SEPARATION

NO-BUILD
DESIGN YR. 2036
DHV PM = (000)
DHV AM = 000

LRW
5/12

GWINNETT COUNTY

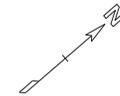


P. I. 0010425
GWINNETT COUNTY
SR316@
CR3929/WALTER BLVD.
GRADE SEPARATION

NO-BUILD BASE YR. 2016
DHV PM = (000)
DHV AM = 000

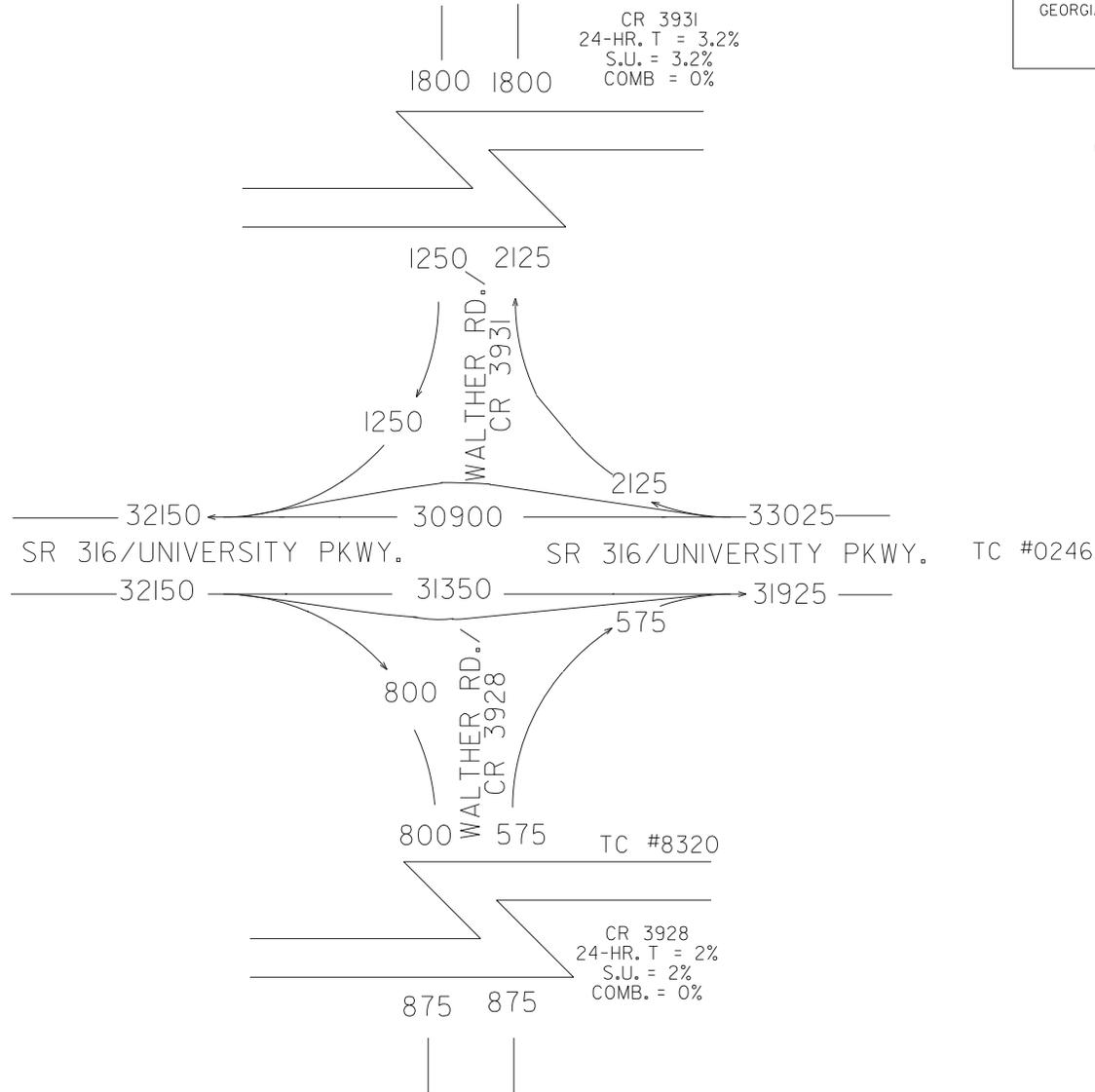
LRW
5/12

GWINNETT COUNTY



SR 316
24-HR. T. = 6.5%
S.U. = 2%
COMB. = 4.5

TC #0245



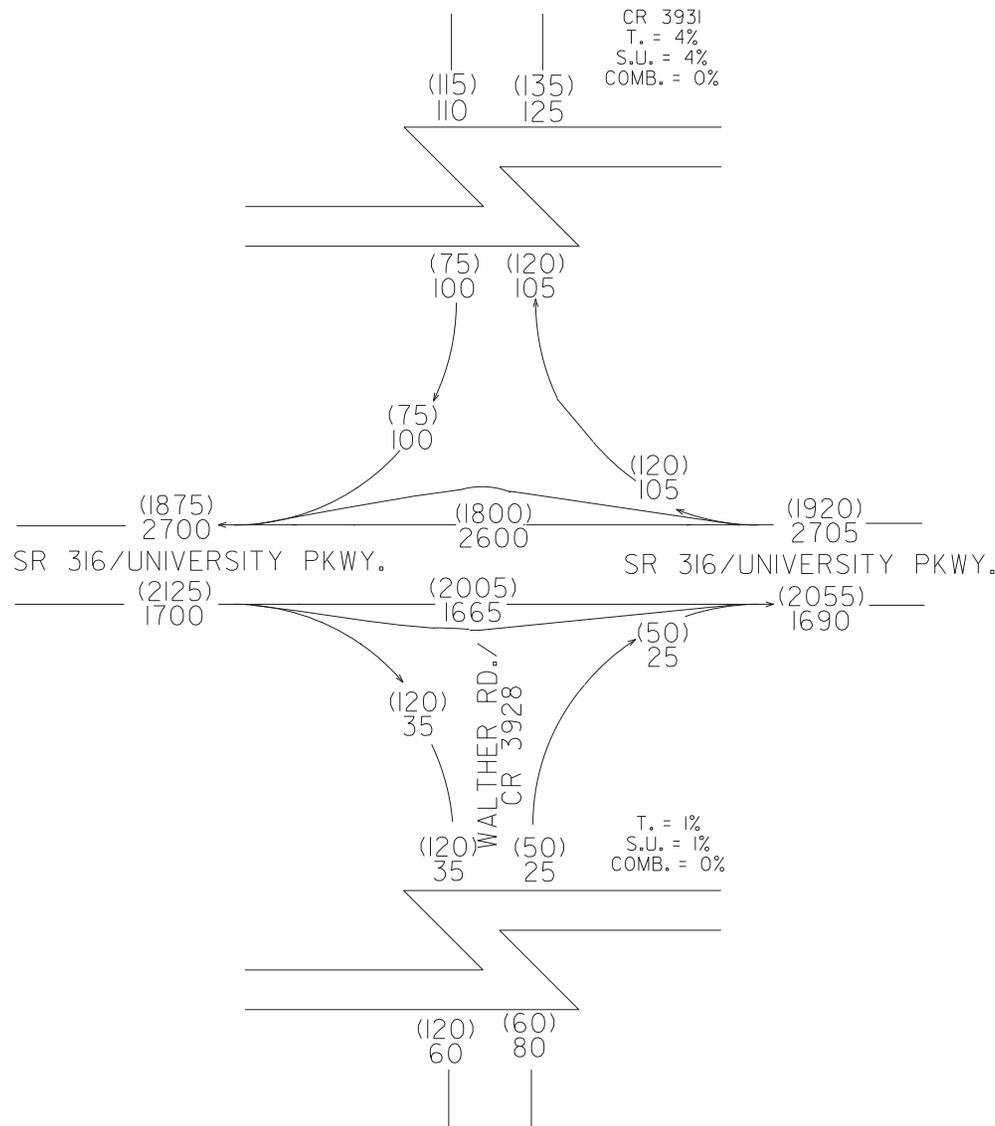
P. I. 0010425
GWINNETT COUNTY
SR316@
CR3929/WALTHER BLVD.
GRADE SEPARATION
EXISTING 2012 ADT

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

WINNETT COUNTY



SR 316
T = 5%
S.U. = 2%
COMB. = 3%



P. I. 0010425
WINNETT COUNTY
SR316@
CR3929/WALTHER BLVD.
GRADE SEPARATION

EXISTING 2012 DHV
PM = 000
AM = 000

LRW
5/12

Attachment 6

Email Regarding Conforming Plan's Network Schematics

Moseley, Michael R

From: Hoenig, Andrew [ahoenig@dot.ga.gov]
Sent: Wednesday, January 30, 2013 10:29 AM
To: Moseley, Michael R
Subject: FW: 0010425 Walther Blvd Conformity Model
Attachments: Walther Road.pdf

Mike –

We will use the attached email in lieu of a conformity model for the attachment in the Concept Report.

- *Andrew Hoenig*
P: (404)-631-1757

From: Mote, Kyle
Sent: Wednesday, January 30, 2013 10:26 AM
To: Hoenig, Andrew
Cc: Fowler, Matthew; Mitchell, Ulysses; Green, Henry
Subject: 0010425 Walther Blvd Conformity Model

Andrew,

An error has been found in the current conformity model, for the Atlanta area, in the coding of Walther Blvd. The current model (attached) shows ramps to/from SR 316 to the new Walther Blvd overpass, which is incorrect.

Our staff will work with ARC's staff on getting this corrected during this winter's RTP/TIP/Conformity model update, to reflect the current concept for Walther Blvd, which is an overpass over SR 316 without any access to SR 316 .

This correctable error, in the opinion of our office, should not hold up the Concept Report signature routing process.

Thanks,

KYLE MOTE

Urban Planning Engineer III
GA Dept. of Transportation, Office of Planning
One Georgia Center
600 West Peachtree St., NW
5th Floor, Office 566
Atlanta, GA 30308
Phone: 404-631-1811
Fax: 404-631-1957

During inclement winter weather, Georgia DOT's priority is to clear travel lanes on the state's most-used roadways – the Interstate Highway System and other major arterial roads. The Department urges travelers to exercise caution and call 511 for updated information on roadway conditions before getting on the road during a winter weather event.

Visit us at <http://www.dot.ga.gov/winterweather> ; or follow us on <http://www.facebook.com/GeorgiaDOT> and <http://twitter.com/gadepoftrans>

The IS team in Atkins has scanned this email and any attachments for viruses and other threats; however no technology can be guaranteed to detect all threats. Always exercise caution before acting on the content of an email and before opening attachments or following links contained within the email.

Attachment 7

Minutes from Concept Team Meeting



Meeting Minutes

SR 316 at CR 3929/Walther Blvd – Grade Separation Gwinnett County P.I. No. 0010425

Date: January 14, 2013

Location/Time: GDOT General Office / 10:00 a.m. – 11:15 a.m.

Attendees:

Andrew Hoenig	GDOT – Innovative Program Delivery
Ken Werho	GDOT – Traffic Operations
Michelle Pate	GDOT – Engineering Services
Leisa Jones	GDOT – Utilities (SUE)
Raymond Chandler	GDOT – Utilities (SUE)
Kyle Mote	GDOT – Planning
Gretel Sims	GDOT – Research
Melanie Hale	GDOT – Design Policy and Support
Michael Hester	GDOT – Environmental Services
Wesley Brock	GDOT – Right of Way
Cory Payne	GDOT – District 1 Right of Way
Scott Zehngraff	GDOT – District 1 Traffic Operations
Teri Pope	GDOT – District 1 Communications
Neil Kantner	GDOT – District 1 Utilities
Kim Conroy	Gwinnett County
David Tucker	Gwinnett County
Alan Chapman	Gwinnett County
John Ray	Gwinnett County
Vince Edwards	Gwinnett County
Richard Randall	AT&T
David Faulkner	Jackson EMC
Mike Brown	Jackson EMC
Mike Moseley	Atkins
Wendy Dyson	Atkins

Minutes By: Mike Moseley

The following items were discussed at the meeting:

1. Andrew Hoenig, the GDOT Project Manager, started the meeting with introductions and an overview of the project. He also notified participants that this project would be let as a design-build project based on the concept work that would be completed. The R/W acquisition is scheduled for FY 2014 and letting is July 2014.
2. Mr. Hoenig then turned the meeting over to Mike Moseley with Atkins, the consultant project manager.
3. The meeting then moved onto the agenda items per the PDP:
 - a. Project Justification – The project justification statement as prepared by the GDOT Office of Planning states “the goal of this project is to provide an alternative to the congestion along SR 120 in the area of SR 316”. Mr. Moseley also added that the grade separation would add an important crossing for the expansion of Georgia Gwinnett College as an additional benefit of the project.
 - b. Logical Termini – The logical termini is tied to the limits of the profile required for the grade separation. There were no comments on the logical termini.
 - c. Planning Concept/STIP project definition – The proposed project is shown as Exempt in the Concept Report and the question arose whether this was correct. The project is listed as Full Oversight in the STIP.
 - d. Project Background – This project was part of the proposed SR 316 HOV project that extended HOV lanes from I-85 to east of Hi-Hope/Hurricane Shoals Road (PI 0003168). This project is no longer in the STIP. The grade separations of Collins Hill Road and SR 20 that are currently under construction were pulled out of the HOV project (PI 0004086). The Walther Blvd grade separation was a proposed HOV interchange in PI 0003168 and is designed not to preclude this connection in the future.
 - e. Location of Environmental Resources
 - i. Wetlands, open waters, streams and buffers – Within the project limits there are two non-jurisdictional ephemeral streams (Stream 32A and 32B) and wetland (Wetland 32C). Just beyond the project limits a jurisdictional intermittent stream begin (Stream 32D).
 - ii. Park lands – There are no park lands.
 - iii. Historic properties, potential archaeological sites – There are no historic properties or archaeological sites.
 - iv. Cemeteries – There are no cemeteries in the project limits.
 - v. Location of potential hazardous waste sites – None have been observed.
 - vi. Underground storage tank sites – None have been observed.
 - vii. Threatened and endangered species – A field survey for Ga Aster has been completed and none was present.

- f. Public Involvement – A PIOH will be required for this project. The schedule shows requesting the PIOH be held in April. Teri Pope suggested that GDOT contact Georgia Gwinnett College prior to the PIOH to present the concept and get feedback. The contact at Georgia Gwinnett College is Eddie Beauchamp, Vice President of Facilities and Operations. Ms. Pope also suggested not displaying the current project under construction, PI 0004086 or the SR 316 HOV project, PI 0003168. GDOT OES is going to discuss the required materials needed at the PIOH but since the project is not in the current STIP there is no need to bring that layout.
- g. Alternates considered – The only alternative considered is the No-build.
- h. Design Criteria Proposed – Walther Blvd is designed to meet 35 mph design speed criteria.
- i. Horizontal and Vertical criteria – Meet AASHTO design criteria for 35 mph on Walther Blvd.
- j. Typical Section – The discussion surrounding the typical sections was whether to include bike lanes. The typical section currently proposed without bike provisions would require a design variance. Gwinnett County also suggested reducing the border area (shoulder) from 16 ft to 12 ft. Two 12 ft lanes with a 14 ft flush median and 4 ft bike lane in each direction were decided upon. The border area (shoulder) will consist of 2.5 ft curb and gutter, 2 ft grass strip and 5 ft sidewalk. GDOT Design Policy and Support will check to see if this typical section will require a design variance.
- k. VE Study – Not applicable.
- l. Interchange Modification Report or Interchange Justification Report requirements – Not applicable.
- m. Access Control – Limited access will be acquired on each quadrant. The extents of limited access will end prior to the existing driveways and will be matched on the opposite side of Walther Blvd to be consistent. The access control will be controlled by Gwinnett County.
- n. Practical Alternative Report – Not applicable.
- o. Type of Environmental Document anticipated – This project will require a re-evaluation of the existing EA.
- p. Environmental permits/studies required –NPDES Permit will be required.
- q. Project Framework Agreement – GDOT and Gwinnett County will begin working on the project framework agreement.
- r. Right of Way – There are 4 parcels requiring R/W acquisition but no displacement/relocations. Gwinnett County is securing funding for the R/W acquisition. The County would like R/W plans prepared and provided to them for use in acquisition.

- i. Estimated R/W costs are \$1.4 M, which included ROW along SR 316 necessary for construction of HOV lanes. Atkins to update ROW limits as necessary.
 - ii. Gwinnett County will be responsible for purchase of R/W
- s. Preliminary bridge assessments and structural needs including retaining and noise walls – The proposed bridge will match the geometry of the bridges currently under construction at Collins Hill Road and SR 20. The proposed bridge will not preclude the addition of future HOV lanes and ramps for HOV interchange. No retaining walls are proposed. Noise walls are currently under evaluation. The HOV project required a noise barrier for the apartment complex in the southwest quadrant.
- t. Accident history – No comments.
- u. Potential soil conditions – A soil survey was prepared for the HOV project which includes this footprint.
- v. Construction limits – Provided in the concept layout.
- w. Maintenance of Traffic – Walther Blvd would be closed at SR 316 once construction began. Stage construction would be required to maintain access to the apartment complex in the northeast quadrant. Alternate routes to SR 316 will be shown at the required PIOH.
- x. Maintenance problems existing along project – None.
- y. Preliminary capacity analysis for the “Build Alternative” and “No-Build Alternatives” – Traffic diagrams are provided in the concept report attachments.
- z. Potential improvements recommended for intersections along project – Not applicable.
- aa. Constructability of proposed project – See Maintenance of Traffic discussion above.
- bb. Work zone safety and mobility requirements – Standard safety procedures will be utilized.
- cc. Preliminary construction cost estimate – Comment was made to remove contingency and update Fuel and Asphalt Price Adjustments sheets and replace with new format sheets. The price for guardrail was observed to be low for the new 31” height standard.
- dd. Project assignments – Concept report will be revised to state that the Design Build team is responsible for Design.
- ee. Project schedule – R/W acquisition is in FY 2014 and the letting is July 2014. .
- ff. Utility –
 - i. Utilities present on project:
 - 1. AT&T

2. Lawrenceville Gas
3. Jackson EMC
4. Gwinnett County DWR

ii. Utility cost estimate will be prepared by District Utilities.

iii. The SUE investigation will be completed in spring 2013.

GDOT suggested that once the updated SUE was available a meeting with all utility companies be held. Wendy Dyson stated that if utilities were to be included in the Design-Build contract the EA re-eval would need to address those impacts. Any relocations in the Design-Build contract would need to be provided to Atkins prior to preparation of the re-eval.

Jackson EMC expressed their desire to self perform required relocations as well as any temporary relocations.

GDOT Planning advised that if utilities were included in the contract a Utility Phase should be added for funding.

gg. Proximity and probable impacts to railroad and railroad R/W – Not applicable.

hh. Proximity and probable impacts to airports and/or flight paths – Not applicable.

ii. Public Interest Determination findings and the recommended Utility Risk Management Plan – All Design-Build projects automatically qualify for utilities to be relocated within the contract under Public Interest Determination. Memorandums of Understanding will be collected from all utilities to determine if they will self-perform the work, or if the work should be included in the Design-Build contract.

jj. Miscellaneous comments –

i. Check driveway profiles to make sure they meet current GDOT criteria and more easement is not required.

ii. The comment was made that the GDOT Area Office should be given input into the Special Provision 150 for the design build project. Georgia Gwinnett College has several specific requirements that the Area Office is familiar with including additional CMIS for on campus roadways, no lane closures on SR 316 or other roadway on graduation day, etc.

iii. The plans and/or Design-Build contract should show the required pavement removal on SR 316 for the on/off ramps that will be removed on the project layout included in the concept report.

iv. Pavement markings on the proposed bridge were discussed. The comment was whether special markings should be shown in the flush median across the bridge to discourage drivers from using it as a passing lane. The options discussed were adding Detail B yellow striping or a raised

median. District Traffic Operations preferred to leave it striped as a typical flush median with no special treatment.

Action Items:

1. Send contact information for Eddie Beauchamp to GDOT PM (Mike Moseley) – **Completed 1/14/2013**
2. Check if project is Full Oversight or Exempt (Andrew Hoenig) – **Completed 1/15/2013, Project is Exempt.**
3. Determine if typical section revision discussed in the concept team meeting will require a design variance (Melanie Hale) – **Completed 1/15/2013, Discussed Typical section does not require a design variance.**
4. Update ROW plans as necessary, removing limits along SR 316 that applied only to the SR 316 HOV project (Mike Moseley).

Attachments: Sign-in sheet

SIGN-IN SHEET

**SR 316 @ Walther Blvd
PI 0010425
Concept Team Meeting**



Name	Company and/or Address	Phone/E-Mail
Andrew Hoening	GDOT- IPD	404- 631 -1757 / ahoening@...
Wendy Dyson	Atkins	71933-0280 / wendy.dyson@atkinsglobal.com
MIKE MOSELEY	ATKINS	770 933-0280 / michael.moseley@atkinsglobal.com
KEN WORHO	GDOT TACTO	4-635-2859 KWORHO@DOT.GA.GOV
Michelle Pate	GDOT- Engineering Services	(404) 631-1771 / MPATE@dot.ga.gov
Leisa Jones	GDOT- Utilities (SUE)	(404) 631-1358 / leijones@dot.ga.gov
Raymond Chandler	GDOT- UTILITIES (SUE)	404-631-1356 / rchandler@dot.ga.gov
Kyle MOTE	PLANNING	4) 631-1811 / KMOTEE
Gretel Sims	Office of Research (GDOT) DP+S	4) 608-4802 / gsims@dot.ga.gov
Melanie Hale	GDOT- Concept Review	4) 631-1542 / mhale@dot.ga.gov
MICHAEL HESTER	GDOT- ENV. SERVICES	404-631-1255 MHESTER@ga.gov
Wesley Brock	GDOT- R/W	404-347-0177 wbrock@dot.ga.gov

Richard Randall AT&T 404 302 7260 rr9649@att.com
 Cory Payne GDOT R/W 770 718 5043
 DAVID FAULKNER JEMC 706-367-6259 DFAULKNER@JEMC.COM
 Mike Brown JEMC 706 367-6202 MBROWN@GACKSMERK.COM
 Kim Conroy GWINNETT COUNTY KimConroy@gwinnetcounty.com
 ALAN CHADMAN 770-822-11 Alan.Chadman@com
 DAVID TUCKER 7400 11 DAVIDTUCKER@
 JOHN RAY 11 John.Ray@
 VINCE EDWARDS 11 Vince.Edwards@
 SCOTT ZEHM GRAFF GDOT-DI
 TERI POPE GDOT-DI
 Neil Kanther GDOT-DI 770-718-5031