

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0010116

OFFICE Design Policy & Support

GDOT District 4 - Tifton
Lowndes County
Traffic Signal Upgrades at 12 Valdosta
Intersections

DATE March 14, 2012

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:

Genetha Rice-Singleton, Program Control Administrator
Bobby Hilliard, State Program Delivery Engineer
Cindy VanDyke, State Transportation Planning Administrator
Angela Robinson, Financial Management Administrator
Glenn Bowman, State Environmental Administrator
Kathy Zahul, State Traffic Engineer
Georgene Geary, State Materials & Research Engineer
Lisa Myers, State Project Review Engineer
Jeff Baker, State Utilities Engineer
Ken Thompson, Statewide Location Bureau Chief
Joe Sheffield, District Engineer
Brent Thomas, District Preconstruction Engineer
Tim Warren, District Utilities Engineer
Perry Black, Project Manager
BOARD MEMBER - 1st Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

County: Lowndes
P. I. Number: 0010116
Federal Route Number: 41
State Route Number: 7

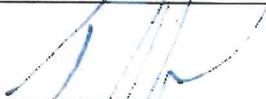
SR 7 BUS/US 41/N ASHLEY ST @ 10 LOCATIONS & SR 7 ALT/N PATTERSON ST @ 2
LOCATIONS SIGNAL UPGRADES

Submitted for approval:

DATE 10/10/2011

DATE 11/1/2011

DATE 10/31/2011


Design Consultant (Travis Hurt, Stantec Consulting Services)


Office Head (Office of Program Delivery)


Project Manager

Recommendation for approval:

DATE _____

DATE 2/13/2012

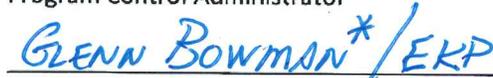
DATE _____

DATE 2/10/2012

DATE 2/13/2012

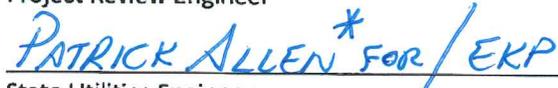
DATE 2/10/2012

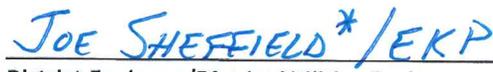
DATE _____

Program Control Administrator

State Environmental Administrator

State Traffic Engineer

Project Review Engineer


State Utilities Engineer


District Engineer/District Utilities Engineer

State Transportation Financial Management Administrator

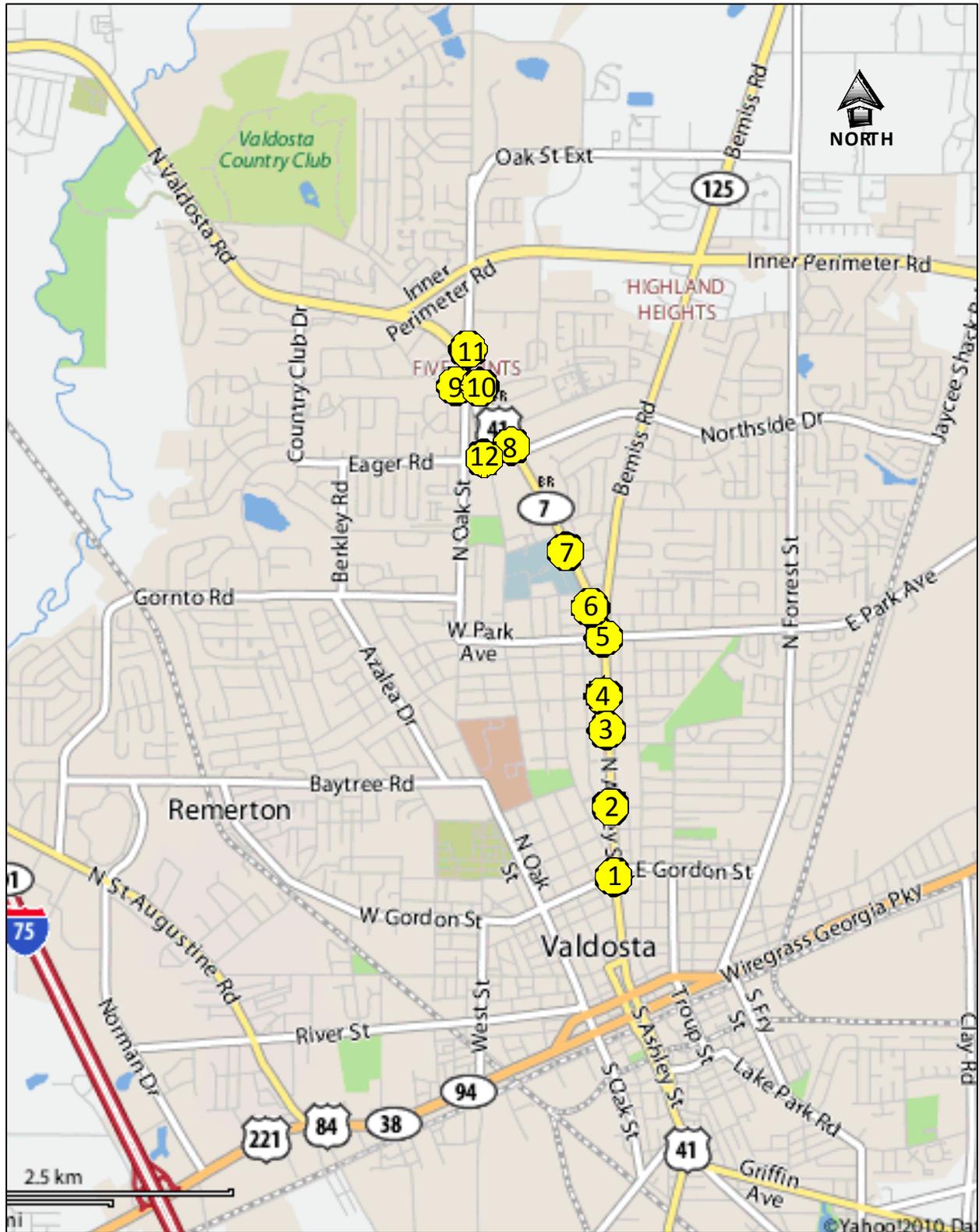
The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE 2/13/2012


State Transportation Planning Administrator

* - RECOMMENDATION
ON FILE

LOCATION MAP



Project Justification Statement: There are twelve (12) signalized intersections in Lowndes County in need of improvements to address compliance with current GDOT standards, the Manual of Uniform Traffic Control Devices (MUTCD), and the requirements of the Americans with Disabilities Act (ADA). Specific improvements will bring the intersections into compliance with current design standards and will include: modernization of traffic signal equipment, including updated controllers, LED signal heads, an pedestrian signals; and improved pedestrian accommodations, including new countdown pedestrian signals, ADA compliant wheelchair ramps, and new crosswalks.

Description of the proposed project: The proposed project is located in Lowndes County (100%) in the City of Valdosta. The project will consist of traffic signalization upgrades, including LED vehicular signals, countdown pedestrian signals, ADA wheelchair ramps, and crosswalk striping at all 12 locations.

The project locations are:

1. SR 7 Bus/US 41 (North Ashley Street) @ East Gordon Street
2. SR 7 Bus/US 41 (North Ashley Street) @ East Ann Street
3. SR 7 Bus/US 41 (North Ashley Street) @ East College Street
4. SR 7 Bus/US 41 (North Ashley Street) @ East Moore Street
5. SR 7 Bus/US 41 (North Ashley Street) @ East Park Avenue
6. SR 7 Bus/US 41 (North Ashley Street) @ Rosedale Road
7. SR 7 Bus/US 41 (North Ashley Street) @ Cowart Avenue
8. SR 7 Bus/US 41 (North Ashley Street) @ East Northside Drive
9. SR 7 Alternate (North Patterson Street) @ Smithbriar Drive
10. SR 7 Bus/US 41 (North Ashley Street) @ Smithbriar Drive
11. SR 7 Bus/US 41 (North Ashley Street) @ Oak Street Extension, and
12. SR 7 Alternate (North Patterson Street) @ Northside Drive

Is the project located in a PM 2.5 Non-attainment area? _____ Yes X No

Is this project located in an Ozone Non-attainment area? _____ Yes X No

PDP Classification: Major _____ Minor X

Federal Oversight: Full Oversight () Exempt (X) State Funded () or Other ()

Functional Classification:

- SR 7 Bus/US 41 Bus. (N. Ashley St.) – Urban Principal Arterial
- E. Gordon St. – Urban Collector Street
- E. Ann St. – Urban Local Road
- E. College St. – Urban Local Road
- E. Moore St. – Urban Collector Street
- E. Park Ave. – Urban Minor Arterial
- Rosedale Rd. – Urban Local Road
- Cowart Ave. – Urban Local Road

- Northside Dr. – Urban Minor Arterial to the east of SR 7 Bus. and west of SR 7 Alt., Urban Principal Arterial between SR 7 Bus. and SR 7 Alt.

- Smithbriar Drive – Urban Local Road
- Oak St. Ext. – Urban Minor Arterial
- SR 7 Alt. (N. Patterson St.) – Urban Principal Arterial north of Northside Dr., Urban Minor Arterial south of Northside Dr.

U. S. Route Number(s): 41 Bus.

State Route Number(s): 7 Bus., 7 Alt.

Traffic (AADT): This project will not add capacity.

Base Year: (20XX) Design Year: (20YY)

Existing design features:

- Typical Section:
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) –
 - 3 lanes (2 northbound, 1 southbound) with a northbound left turn lane at E. Gordon St.;
 - 3 lanes (2 northbound, 1 southbound) with left turn lanes at E. Ann St., E. College St., E. Moore St., Cowart St.;
 - 3 lanes (2 northbound, 1 southbound) with left turn lanes and a northbound right turn lane at E. and W. Park Ave., Rosedale Dr.;
 - 3 lanes (2 northbound, 1 southbound) with left turn lanes and right turn lanes at E. Northside Dr.;
 - 3 lanes (2 northbound, 1 southbound) with a southbound left turn lane at Connell Rd.;
 - 4 lanes with left turn lanes with left turn lanes and right turn lanes at Oak St. Extension.
 - E. Gordon St. – 2 lanes with left turn lanes at SR 7 Bus.
 - E. Ann St. – 2 lanes at SR 7 Bus.
 - E. College St. – 2 lanes at SR 7 Bus.
 - E. Moore St. – 2 lanes at SR 7 Bus.
 - E. Park Ave. – 2 lanes with left turn lanes and a westbound right turn lane at SR 7 Bus.
 - Rosedale Rd. – 2 lanes with a westbound left turn lane at SR 7 Bus.
 - Cowart Ave. – 2 lanes at SR 7 Bus.
 - Northside Dr. –
 - 4 lanes with left turn lanes at SR 7 Bus.
 - 4 lanes with left turn lanes at SR 7 Alt.
 - Smithbriar Dr. –
 - 2 lanes with a westbound left turn lane at SR 7 Alt.
 - 2 lanes westbound, and 1 lane eastbound, with an eastbound left turn lane, and an eastbound right turn lane at SR 7 Bus.
 - Oak St. Ext. – eastbound left turn lane, shared thru/left turn lane and right turn lane, and westbound left turn lane, thru lane, and right turn lane at SR 7 Bus.
 - SR 7 Alt. (N. Patterson St.) –
 - 3 lanes (1 northbound, 2 southbound) with left turn lanes and a northbound right turn lane at Northside Dr.

- 2 lanes southbound, 1 left turn lane northbound, with northbound and southbound right turn lanes at Smithbriar Dr.

- Posted speed:
 - SR 7 Bus/US 41 (North Ashley Street) @ East Gordon Street – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ East Ann Street – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ East College Street – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ East Moore Street – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ East Park Avenue – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ Rosedale Road – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ Cowart Avenue – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ East Northside Drive – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ Smithbriar Drive – 35 mph
 - SR 7 Bus/US 41 (North Ashley Street) @ Oak Street Extension – 35 mph
 - SR 7 Alternate (North Patterson Street) @ Smithbriar Drive – 40 mph
 - SR 7 Alternate (North Patterson Street) @ Northside Drive – 40 mph
- Minimum radius for curve: N/A
- Maximum super-elevation rate for curve: N/A_
- Maximum grade: N/A %
- Width of right-of-way: Varies (50-200 ft.)
- Major structures: N/A
- Major interchanges or intersections along the project. N/A
- Existing length of roadway segment:
 - SR 7 Bus/US 41 (North Ashley Street) @ East Gordon Street - MP 3.99 to 4.01
 - SR 7 Bus/US 41 (North Ashley Street) @ East Ann Street - MP 4.31 to 4.38
 - SR 7 Bus/US 41 (North Ashley Street) @ East College Street - MP 4.69 to 4.83
 - SR 7 Bus/US 41 (North Ashley Street) @ East Moore Street - MP 4.83 to 4.95
 - SR 7 Bus/US 41 (North Ashley Street) @ East Park Avenue - MP 5.11 to 5.14
 - SR 7 Bus/US 41 (North Ashley Street) @ Rosedale Road - MP 5.18 to 5.21
 - SR 7 Bus/US 41 (North Ashley Street) @ Cowart Avenue - MP 5.54 to 5.57
 - SR 7 Bus/US 41 (North Ashley Street) @ East Northside Drive - MP 6.08 to 6.13
 - SR 7 Bus/US 41 (North Ashley Street) @ Smithbriar Drive - MP 6.45 to 6.48
 - SR 7 Alternate (North Patterson Street) @ Smithbriar Drive - MP 2.84 to 2.92
 - SR 7 Bus/US 41 (North Ashley Street) @ Oak Street Extension - MP 6.59 to 6.63
 - SR 7 Alternate (North Patterson Street) @ Northside Drive - MP 2.52 to 2.53
- No ITS except signal communication.

Proposed Design Features:

- Proposed typical section(s): No changes from existing.
- Proposed Design Speed Mainline: N/A
- Proposed Maximum grade Mainline: N/A
- Maximum grade allowable N/A
- Proposed Maximum grade Side Street: N/A
- Maximum grade allowable: N/A
- Proposed Maximum grade driveway: N/A

- Proposed Maximum degree of curve: N/A
- Maximum degree allowable: N/A

- Maximum super elevation rate: N/A
- Right-of-Way:
 - Width: Corner Miters only, as necessary
 - Easements: Temporary () Permanent () Utility () Other ().
 - Type of access control: Full () Partial (X) By Permit () Other ().
 - Number of parcels: Est. 30 Number of displacements: 0
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0

- Structures:
 - Bridges (N/A)
 - Retaining walls (N/A)
- Major intersections, interchanges, median openings and signal locations.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ E. Gordon St.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ E. Ann St.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ E. College St.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ E. Moore St.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ E. Park Ave.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ Rosedale Rd.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ Cowart Ave.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ Northside Dr.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ Smithbriar Dr.
 - SR 7 Alt. (N. Patterson St.) @ Smithbriar Dr.
 - SR 7 Bus/US 41 Bus. (N. Ashley St.) @ Oak St. Ext.
 - SR 7 Alt. (N. Patterson St.) @ Northside Dr.

- ITS: None
- Transportation Management Plan Anticipated: Yes () No (X)
- Design Exceptions to controlling criteria anticipated:

	<u>YES</u>	<u>NO</u>	<u>UNDETERMINED</u>
1. DESIGN SPEED:	()	(X)	()
2. LANE WIDTH:	()	(X)	()
3. SHOULDER WIDTH:	()	(X)	()
4. BRIDGE WIDTH:	()	(X)	()
5. HORIZONTAL ALIGNMENT:	()	(X)	()
6. SUPERELEVATION:	()	(X)	()
7. VERTICAL ALIGNMENT:	()	(X)	()
8. GRADE:	()	(X)	()
9. STOPPING SIGHT DISTANCE:	()	(X)	()
10. CROSS SLOPE:	()	(X)	()
11. VERTICAL CLEARANCE:	()	(X)	()
12. LATERAL OFFSET TO OBSTRUCTION:	()	(X)	()
13. BRIDGE STRUCTURAL CAPACITY:	()	(X)	()

- Design Variances: None.

- Environmental concerns
 - Historic resources and UST sites identified during preliminary scoping; No Section 404 permits, water quality issues, or T&E species/habitat concerns are anticipated; no archaeology concerns anticipated.
- Anticipated Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes () No (X)
 - Categorical exclusion anticipated (Yes).
 - Environmental Assessment/Finding of No Significant Impact anticipated (FONSI) ().
 - Environmental Impact Statement (EIS) ().
- Utility involvements: Communications, Power
- Public Interest Determination Policy and Procedure recommended? Yes () No (X)
- VE Study Anticipated Yes () No (X)
- Benefit/Cost Ratio: N/A

Project Cost Estimate and Funding Responsibilities:

	PE	ROW	UTILITY	CST	MITIGATION
By Whom	GDOT	GDOT	GDOT	GDOT	N/A
\$ Amount	290,000	27,000	0	1,885,606*	N/A

*Cost includes 5% Engineering and Inspection.

Project Activities Responsibilities:

- Design: Stantec
- Right-of-Way Acquisition: GDOT
- Right-of-Way funding (real property): GDOT
- Relocation of Utilities: Utility Owners
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: Contractor
- Providing detours: N/A
- Environmental Studies/Documents/Permits: GDOT
- Environmental Mitigation: N/A

Coordination

- Initial Concept Meeting date and brief summary. (3/28/2011, see attached minutes)
- Concept meeting date and brief summary. (N/A)
- P A R meetings, dates and results. (N/A)
- FEMA, USCG, and/or TVA. (N/A)
- Public involvement. (N/A)
- Local government comments. (N/A)
- Other projects in the area. (None)
- Railroads. (N/A)
- Other coordination to date. (N/A)

DETAILED COST ESTIMATE



Job: 0010116

JOB NUMBER: 0010116

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: LOWNDES SIGNALS

ITEMS FOR JOB 0010116

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0003	441-0104	1200.000	SY	\$32.02	CONC SIDEWALK, 4 IN	\$38,424.76
0063	441-6222	2400.000	LF	\$17.95	CONC CURB & GUTTER/ 8"X30"TP2	\$43,070.38
SUBTOTAL FOR ROADWAY:						\$81,495.14

0020 - SIGNAL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0203	150-1000	1.000	LS	\$55,000.00	TRAFFIC CONTROL - 6 PERCENT	\$55,000.00
0068	615-1200	2880.000	LF	\$10.08	DIRECTIONAL BORE - ALL SIZES	\$29,019.37
0073	636-1041	360.000	SF	\$26.45	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$9,523.11
0078	639-3004	18.000	EA	\$12,287.93	STEEL STRAIN POLE, TP IV 1-45 FOOT MASTARM	\$221,182.80
0083	639-3004	8.000	EA	\$15,287.93	STEEL STRAIN POLE, TP IV 2-45 FOOT MASTARMS	\$122,303.47
0088	639-4004	8.000	EA	\$5,235.33	STRAIN POLE, TP IV	\$41,882.63
0002	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 0010116	\$75,000.00
0008	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 0010116	\$75,000.00
0013	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 0010116	\$75,000.00
0018	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 0010116	\$75,000.00
0023	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 0010116	\$75,000.00
0028	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 0010116	\$75,000.00
0033	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 7	\$75,000.00
0038	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 8	\$75,000.00
0043	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 9	\$75,000.00
0048	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 10	\$75,000.00
0053	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 11	\$75,000.00
0058	647-1000	1.000	LS	\$75,000.00	TRAF SIGNAL INSTALLATION NO - 12	\$75,000.00
0123	653-0120	24.000	EA	\$62.28	THERM PVMT MARK, ARROW, TP 2	\$1,494.75
0128	653-1501	1200.000	LF	\$0.48	THERMO SOLID TRAF ST 5 IN, WHI	\$578.34
0133	653-1502	2000.000	LF	\$0.43	THERMO SOLID TRAF ST, 5 IN YEL	\$859.78
0138	653-1704	900.000	LF	\$2.28	THERM SOLID TRAF STRIPE,24",WH	\$2,049.61
0143	653-1804	9600.000	LF	\$1.66	THERM SOLID TRAF STRIPE, 8",WH	\$15,924.77
0148	682-6233	7800.000	LF	\$2.87	CONDUIT, NONMETL, TP 3, 2 IN	\$22,373.91
0193	935-1511	600.000	LF	\$2.07	OUT PLNT FBR OPT CBL,DROP,SM,6 FBR	\$1,241.14
0198	935-3201	3.000	EA	\$484.85	FBR OPTIC CLOSURE,AERL(SLD),6 FBR	\$1,454.56
0183	935-3602	12.000	EA	\$435.38	FBR. OP. CLOS., FDC PRE-TERM., TYP. A, 6	\$5,224.51
0188	935-4010	18.000	EA	\$67.14	FIBER OPTIC SPLICE, FUSION	\$1,208.54
0178	935-6562	12.000	EA	\$1,644.69	EXT TRNSCVR,DRP&RPT,1310SM,(SIGNAL JOBS)	\$19,736.32
0168	938-1100	40.000	EA	\$5,681.13	INT VIDEO DET SYS ASMBLY, TP A	\$227,245.06
0173	938-1200	1.000	EA	\$358.42	PROGRAMMING MONITOR, TYPE A	\$358.42
SUBTOTAL FOR SIGNAL:						\$1,678,661.09

0030 - EROSION

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0093	163-0232	1.000	AC	\$341.72	TEMPORARY GRASSING	\$341.72
0098	163-0240	3.000	TN	\$272.83	MULCH	\$818.50
0103	163-0550	12.000	EA	\$158.79	CONS & REM INLET SEDIMENT TRAP	\$1,905.43
0108	165-0030	7200.000	LF	\$0.42	MAINT OF TEMP SILT FENCE, TP C	\$3,020.33
0113	165-0105	12.000	EA	\$49.87	MAINT OF INLET SEDIMENT TRAP	\$598.39
0118	171-0030	7200.000	LF	\$3.99	TEMPORARY SILT FENCE, TYPE C	\$28,742.83
0153	700-7000	1.000	TN	\$82.27	AGRICULTURAL LIME	\$82.27
0158	700-7010	2.500	GL	\$17.57	LIQUID LIME	\$43.93
0163	700-8000	0.200	TN	\$518.86	FERTILIZER MIXED GRADE	\$103.77
SUBTOTAL FOR EROSION:						\$35,657.17

DETAILED COST ESTIMATE

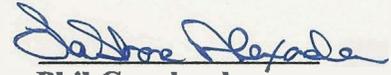


Job: 0010116

TOTALS FOR JOB 0010116

ITEMS COST:	\$1,795,813.40
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,795,813.40
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,795,813.40

Preliminary Right of Way Cost Estimate



Phil Copeland
Right of Way Administrator
By: LaShone Alexander

Date: June 20, 2011
Project: Lowndes County
Existing/Required R/W: Varies/Varies
Project Termini :
Project Description:

P.I. Number: 0010116
No. Parcels:

Land:		
Agricultural/Residential R/W: 13,507 sf @ \$.20/sf		2,702
Improvements : misc. site improvements		8,000
Relocation: Commercial ()		
Residential ()		-
Damage : Proximity		
Consequential		
Cost to Cure		0
	Net Cost	\$ 10,701
	Net Cost	\$
	Scheduling Contingency 55 %	5,885
	Adm/Court Cost 60 %	<u>9,952</u>
		\$ 26,538

Total Cost \$ 27,000

Note: The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: N/A
County: LOWNDES
P.I. #: 0010116

OFFICE: Tifton
DATE: February 2, 2012

Description: *SR 7B/US 41 @ 10 LOCS & SR 7ALT @ 2 LOCS - SIGNAL UPGRADES*

TW
FROM Tim Warren, P.E., District Utilities Engineer

TO Perry Black, Project Manager - (VIA EMAIL)

SUBJECT UTILITY COST ESTIMATE

A review of utilities located on the above referenced project has been conducted based on the latest available plans.. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

<u>Utility Owner</u>	<u>Reimbursable</u>	<u>Non-Reimbursable</u>	<u>Estimate Based on</u>
AGL	\$0.00	\$62,400.00	Site Visit / Available Drawings
Bellsouth/ATT	\$0.00	\$45,186.00	Site Visit / Available Drawings
City of Valdosta **	\$0.00	\$445,800.00	Site Visit / Available Drawings
Ga Power Distribution	\$0.00	\$231,000.00	Site Visit / Available Drawings
Mediacom	\$0.00	\$23,280.00	Site Visit / Available Drawings
Windstream	\$0.00	\$5,214.50	Site Visit / Available Drawings
Total	\$ 0.00	\$812,880.50	

**** Indicates Potential Utility Aid Request from Local Gov't**

Estimate is based on the best available information at the current stage, unforeseen prior rights information may be provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact me or Bill Cooper, Assistant District Utilities Engineer at (229) 386-3288.

BE
TW:BC:KC

c: Jeff Baker, P.E., State Utilities Engineer
Brent Thomas, District Preconstruction Engineer
Angela Robinson, State Financial Management Administrator

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF PROGRAM DELIVERY

Meeting Minutes

Subject: Initial Concept Meeting
Traffic Signal Upgrade Projects
PI No. 0010116 – Lowndes County, and PI No. 0010117 – Berrien County

Date of Meeting: 3/28/2011, 12:00 PM

Meeting Location: GDOT Valdosta Area Office

Attendees: Derrick Cameron – GDOT Program Delivery, Melvin Waldrop – GDOT Program Delivery, Geno Hasty – GDOT Traffic Operations, Brent Lupo – GDOT Traffic Operations, Charles Benefield – GDOT, Calvin Jack Taylor – GDOT, Russell Darren – GDOT, Robert Mullis – GDOT, J.R. Riggins – GDOT, Beau Marshall – HNTB, Tim Hatton – HNTB, Kevin Tolliver – City of Valdosta Traffic Division, Tim Warren – GDOT-Utilities, Bill Cooper – GDOT-Utilities, Nelson Davis – Iteris, Taylor Stukes – Iteris, Jerry Hughes – GDOT, Brandon Kennedy – Stantec, Travis Hurt – Stantec.

Date Prepared: April 5, 2011

Prepared By: Travis Hurt, PE, PTOE, Stantec

The following summarizes the office portion of the meeting which was a general discussion of the two projects.

The following intersections are to be included in the Berrien County project:

Int. No.	Primary Route	Intersecting Route/Street
1	SR 11 (Davis Street)	SR 125 (Marion Avenue)
2	SR 11 (Davis Street)	SR 168 (East McPhearson Avenue)
3	SR 11 (Davis Street)	CS 798 (Dennis Street)

The following intersections are to be included in the Lowndes County project:

Int. No.	Primary Route	Intersecting Route/Street
1	SR 7 Bus/US 41 (North Ashley Street)	East Gordon Street
2	SR 7 Bus/US 41 (North Ashley Street)	East Ann Street
3	SR 7 Bus/US 41 (North Ashley Street)	East College Street
4	SR 7 Bus/US 41 (North Ashley Street)	East Moore Street
5	SR 7 Bus/US 41 (North Ashley Street)	East Park Avenue
6	SR 7 Bus/US 41 (North Ashley Street)	Rosedale Road
7	SR 7 Bus/US 41 (North Ashley Street)	Cowart Avenue
8	SR 7 Bus/US 41 (North Ashley Street)	East Northside Drive
9*	SR 7 Alternate (North Patterson Street)	Smithbriar Drive*
10*	SR 7 Bus/US 41 (North Ashley Street)	Smithbriar Drive*
11	SR 7 Bus/US 41 (North Ashley Street)	Oak Street Extension
12	SR 7 Alternate (North Patterson Street)	Northside Drive

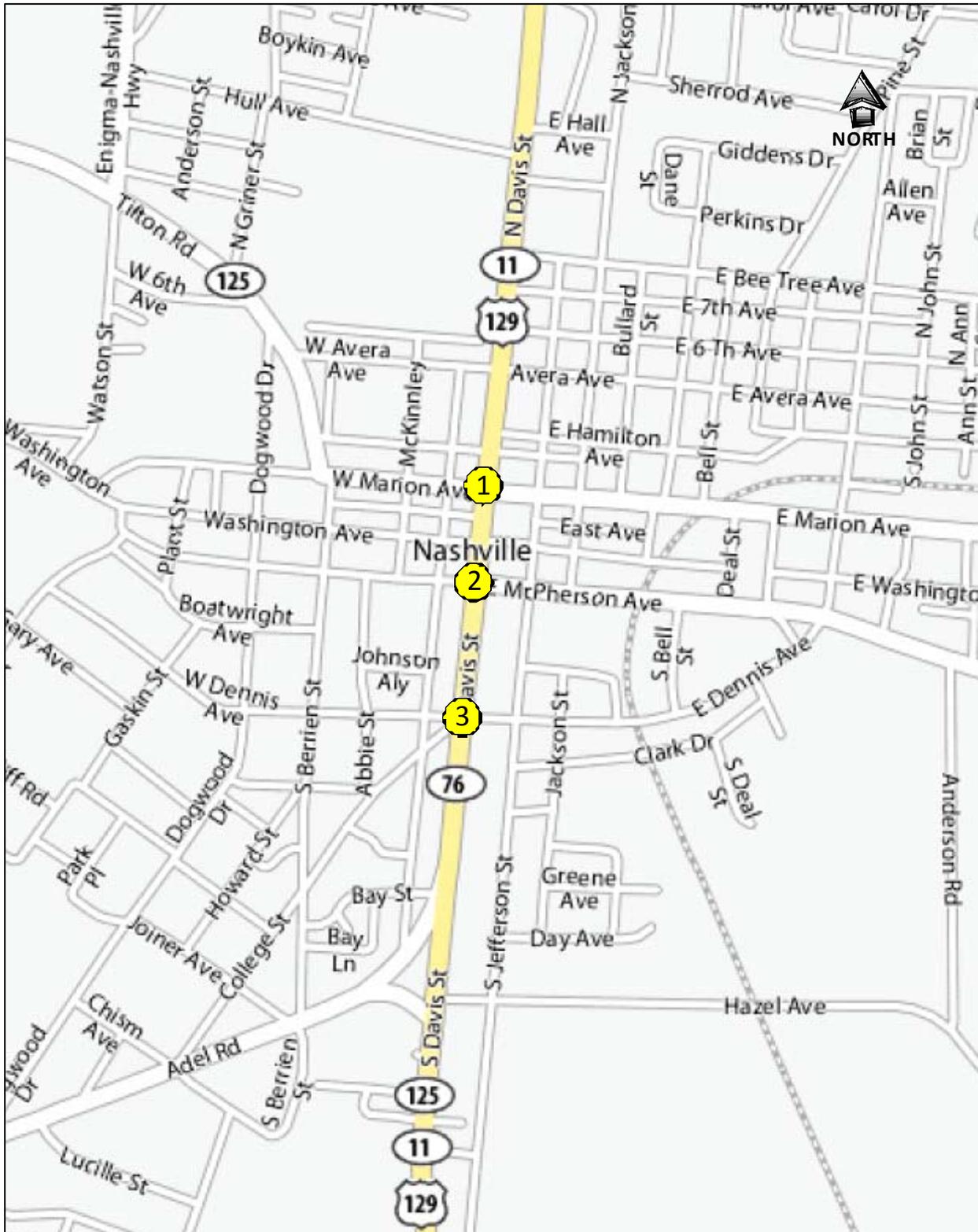
*These intersections were added to replace the intersections of SR 7 Bus/US 41 @ Connell Road, and SR 7 Alternate @ East and West Park Avenue.

1. The Prime Consultant on the project is Stantec. Iteris will prepare plans for PI# 0010117 – Berrien County, and Stantec will prepare the plans for PI#0010116 – Lowndes County.
2. Video detection will be used at all locations where mastarms are installed.
3. The TP 3 pull boxes will be used on each cabinet corner unless a TP 7 pull box is required for interconnect. TP 2 pull boxes will be used for all other locations.
4. The battery backup for each controller should be specified to be installed in an external cabinet.
5. On the General Notes, specify that all existing equipment to be returned to GDOT District office.
6. Existing fiber drops will be reused where possible.
7. Luminaires will be replaced if they are on poles being removed.
8. CCTV cameras will be relocated if they are on poles being removed.
9. A planned TE project was identified around the Nashville courthouse that may require coordination with this project.
10. No coordination with Rail Road is required for this project.

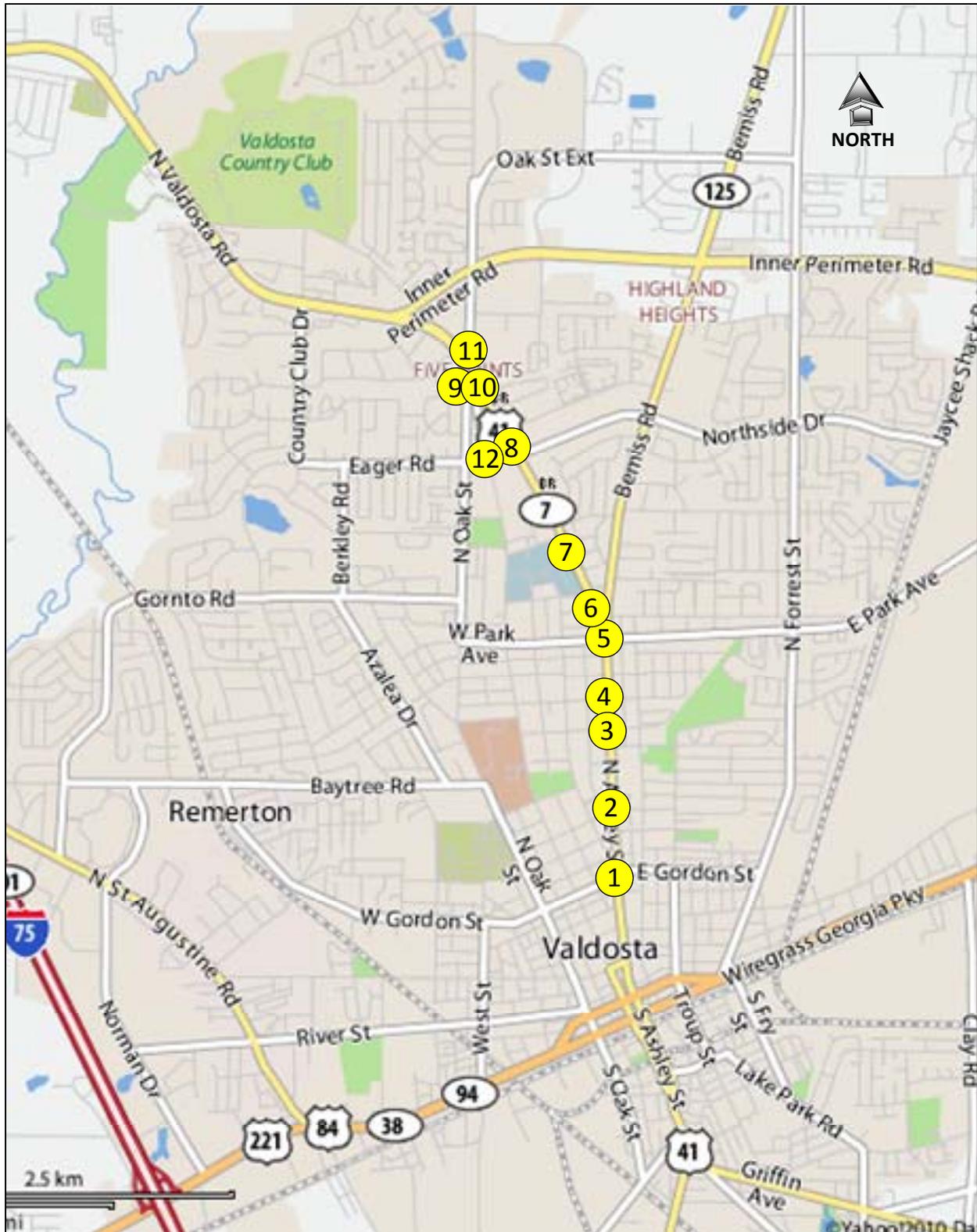
11. The environmental coordination will be provided by HNTB.

At the conclusion of the office discussion, the group met at each intersection to investigate the existing conditions and decide upon a conceptual improvement plan. On the following pages, the conceptual plans for each intersection are described.

PI# 0010117 - Berrien County Locations



PI# 0010116 – Lowndes County Locations



CONCEPTUAL SIGNAL IMPROVEMENT PLANS – Berrien County (PI# 0010117)

INTERSECTION #1 – SR 11 (Davis St.) & SR 125 (Marion Ave.)

Poles and Signal Displays

Install tandem mast arm poles in the northeast and southwest corners.

Install luminaires on poles.

Replace/relocate wayfinding signs on the northeast and southwest corners to strain poles or mastarms.

Relocate wayfinding signs on the northwest corner to a tall pedestal pole.

Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the southeast corner in a new sidewalk bulbout.

Provide video detection.

Pedestrian Accommodations

Install sidewalk bulbout on the southeast corner to accommodate signal equipment. Install new ADA ramps on the northwest, southwest, and southeast corners. ADA ramp on the northeast corner to remain.

Install crosswalks on all legs.

Install pedestrian signals and pushbuttons on the northwest and southeast quadrants.

Right of Way Acquisition Anticipated

None anticipated.

Other Items

Install a channelization island on the east side of SR 11, south of SR 125, to direct traffic to the intersection, and separate courthouse parking. Mill and restripe SR 11 accordingly.

Coordinate with TE project #0008984.

System Communication

Install wireless communication to the intersection of SR 11 & SR 168 (McPhearson Ave.).

INTERSECTION #2 – SR 11 (Davis St.) & SR 168 (East McPhearson Ave.)

Poles and Signal Displays

Install new poles on the northeast, southeast, and southwest corners.

Install new signal span.

Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller.

Provide inductance loop vehicle detection.

Pedestrian Accommodations

Install a sidewalk island on the northeast corner to accommodate pedestrians.

Install a small retaining wall on the northwest corner to allow for ADA ramp.

Install a flat landing with a detectable warning strip on the southwest corner.

Install new ADA ramp on the southeast corner.

Install crosswalks on the north, east, and west legs. No crosswalk to be installed on the south leg due to driveway constraint.

Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

Needed in southwest quadrant.

Likely needed in northwest and southeast quadrants.

May be needed in the northeast quadrant.

Other Items

Use Detail 9031-L for small retaining wall on northwest corner.

Ensure new signal equipment is not attached to the outside of the existing joint-use pole on the northwest corner.

Overlay rough concrete crosswalk on west side of intersection with asphalt.

Install curb and gutter on northwest corner from intersection to driveway on SR 11.

System Communication

Install wireless communication to the intersections of SR 11 & SR 125 (Marion Ave.) and SR 11 & CS 798 (Dennis Ave.)

INTERSECTION #3 – SR 11 (Davis St.) & CS 798 (Dennis Ave.)

Poles and Signal Displays

Install tandem mast arm poles in the northeast and southwest corners.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller.

Pedestrian Accommodations

Install new ADA facilities on all corners.
Install a header curb for pedestrian protection on the southwest corner.
Install an island, avoiding drainage, on the northwest corner to accommodate pedestrians.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

None anticipated.

Other Items

System Communication

Install wireless communication to the intersection of SR 11 & SR 168 (McPhearson Ave.).

CONCEPTUAL SIGNAL IMPROVEMENT PLANS – Lowndes County (PI# 0010116)

INTERSECTION #1 – SR 7 (North Ashley St.) & East Gordon St.

Poles and Signal Displays

Install tandem mast arm poles in the northeast and southwest corners.
If necessary, install mast arm pole along Williams St.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the northeast corner.

Pedestrian Accommodations

Install sidewalk on north corner, between Williams St. and N. Ashley St.
Install crosswalks across Williams St. and N. Ashley St. on the north side of the intersection, and replace existing crosswalks.
Install new ADA ramps on the northwest, southwest, and southeast corners.
Install Detectable Warning Strips on the northeast corner.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

Miters on northeast and southeast corners.

Other Items

Pole with CCTV and light for parking lot to remain.

System Communication

Connect to fiber backbone along N. Ashley St.

INTERSECTION #2 – SR 7 (North Ashley St.) & East Ann St.

Poles and Signal Displays

Install a tandem mast arm pole in the southwest corner.

Install two separate single mast arm poles in the northeast corner to avoid impacts to sign.

Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the northeast corner.

Pedestrian Accommodations

Install crosswalks on all legs.

Install new ADA ramps on the northeast, southwest, and southeast corners.

Install Detectable Warning Strip on the northwest corner.

Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

May be needed on southeast corner to accommodate pedestrian equipment.

May be needed on northeast and southwest corners for signal equipment.

Other Items

Fiber drop should be long enough to re-route to new cabinet corner and reuse.

System Communication

Connect to fiber backbone along N. Ashley St.

INTERSECTION #3 – SR 7 (North Ashley St.) & East College St.

Poles and Signal Displays

Install a single mast arm pole in the southwest corner.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the southwest corner.

Pedestrian Accommodations

Install crosswalks on all legs.
Install new ADA ramps on all corners.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

None anticipated.

Other Items

District is investigating whether left turn phases are permitted/warranted, they will be removed if not.

System Communication

Connect to fiber backbone along N. Ashley St. New fiber drop is needed to reach new cabinet location.

INTERSECTION #4 – SR 7 (North Ashley St.) & East Moore St.

Poles and Signal Displays

Install a single mast arm pole in the southwest corner.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the southwest corner.

Pedestrian Accommodations

Install crosswalks on all legs.
Install new ADA ramps on all corners.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

None anticipated.

Other Items

System Communication

Connect to fiber backbone along N. Ashley St. New fiber drop is needed to reach new cabinet location.

INTERSECTION #5 – SR 7 (North Ashley St.) & East Park Ave.

Poles and Signal Displays

Install new signal span on existing poles.

Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the southwest corner.

Pedestrian Accommodations

Install crosswalks on all legs.

Install new ADA ramps on all corners.

On the northwest corner, install a ramp in part of the existing driveway, and install sidewalk between strain pole and Park Ave. to avoid drainage and sign.

Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

Will need right-of-way on the northwest corner.

Other Items

System Communication

Connect to fiber backbone along N. Ashley St.

INTERSECTION #6 – SR 7 (North Ashley St.) & Rosedale Rd.

Poles and Signal Displays

Install a tandem mast arm pole in the southeast island.
Install a mast arm pole on the northwest corner.
Install a mast arm pole on the northeast corner.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the northeast corner.

Pedestrian Accommodations

Install crosswalk across the north leg of N. Ashley St., and across west leg of Rosedale Rd.
Install new ADA ramps.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

Needed on northwest corner to accommodate pole, close driveway, and install ADA ramp.

Other Items

Close the driveway to N. Ashley St. on the northwest corner to accommodate ADA ramp.

System Communication

Connect to fiber backbone along N. Ashley St.

INTERSECTION #7 – SR 7 (North Ashley St.) & Cowart Ave.

Poles and Signal Displays

Install a tandem mast arm pole on the northwest corner.
Install a single mast arm pole in the southwest corner.
Install a single mast arm pole in the southeast corner.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the southwest corner.

Pedestrian Accommodations

Install crosswalks on all legs.
Install new ADA ramps all legs.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

May be needed on northwest, southwest and southeast corners.

Other Items

System Communication

Connect to fiber backbone along N. Ashley St.

INTERSECTION #8 – SR 7 (North Ashley St.) & East Northside Dr.

Poles and Signal Displays

Install a tandem mast arm pole on the southwest corner.
Install a single mast arm pole in the northeast corner.
Install a single mast arm pole in the southeast corner.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the southwest corner.

Pedestrian Accommodations

Install crosswalks on all legs.
Install new ADA ramps on all corners.
Install concrete pedestrian island in the northwest quadrant.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

None anticipated.

Other Items

Relocate CCTV to signal pole in northeast corner.

System Communication

Connect to fiber backbone along N. Ashley St.

INTERSECTION #9 – SR 7 Alt. (North Patterson Dr.) & Smithbriar Dr.

Poles and Signal Displays

Install a tandem mast arm pole on the northeast corner.
Install a single mast arm pole in the southwest corner.
Install a single mast arm pole in the northwest corner.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the northeast corner.

Pedestrian Accommodations

Install crosswalks on the north, west, and south legs.
Install new ADA ramps.
Install concrete pedestrian islands in the northwest and southeast quadrants.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

None anticipated.

Other Items

System Communication

Connect to existing fiber drop.

INTERSECTION #10 – SR 7 (North Ashley St.) & Smithbriar Dr.

Poles and Signal Displays

Install a tandem mast arm pole on the northwest corner.

Install a single mast arm pole in the southwest corner.

Install a single mast arm pole in the southeast corner.

Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the northeast corner.

Pedestrian Accommodations

Install crosswalks on the north, east, and south legs.

Install new ADA ramps.

Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

Southeast corner to accommodate pole and pedestrian facilities.

Other Items

System Communication

Connect to existing fiber drop.

INTERSECTION #11 – SR 7 (North Ashley St.) & Oak St. Extension

Poles and Signal Displays

Install a single mast arm pole in the southwest island.
Install a single mast arm pole in the northwest corner.
Install a single mast arm pole in the northeast island.
Install a single mast arm pole in the southeast island.
Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the southeast island.

Pedestrian Accommodations

Install crosswalks across all legs.
Install a crosswalk at the north end of the southeast island, across the right turn lane.
Install new ADA ramps.
Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

None anticipated.

Other Items

System Communication

Connect to existing fiber drop.

INTERSECTION #12 – SR 7 Alt. (North Patterson Dr.) & Northside Dr.

Poles and Signal Displays

Install concrete strain poles and new span wire.

Install a joint-use concrete strain pole in the northeast corner.

Install LED displays with backplates and D-Spec signs.

Signal Control Equipment

Install new Model 332 cabinet with a 2070L controller on the northeast corner;

acquire right-of-way to ensure cabinet is placed a safe distance from roadway.

Pedestrian Accommodations

Install crosswalks across all legs.

Install new ADA ramps.

Install pedestrian signals and pushbuttons.

Right of Way Acquisition Anticipated

Northeast and southeast corners.

Other Items

Remove concrete bollards which currently protect the cabinet.

System Communication

Connect to existing fiber drop.