

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0006294 **OFFICE** Design Policy & Support
CSMSL-0006-00(294)
Carroll, Haralson, & Floyd Counties
GDOT District 6 - Cartersville **DATE** 1/6/2015
Pedestrian Improvements at 5 SR Intersections

FROM  Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Mike Bolden, State Utilities Engineer
Richard Cobb, Statewide Location Bureau Chief
Andy Casey, State Roadway Design Engineer
Attn: David Ray, Design Group Manager
DeWayne Comer, District Engineer
Kerry Bonner, District Utilities Engineer
Michael Word, Project Manager
BOARD MEMBER - 3rd , 11th , & 14th Congressional Districts

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

Project Type: Pedestrian Crossings
 GDOT District: 6

P.I. Number: 0006294
 Counties: Carroll, Floyd,
Haralson

Federal Route Number: N/A

State Route Numbers: SR61, SR101,
SR1Loop,
SR293, SR 120,
SR1Bus, SR 8

This project is for pedestrian improvements at 5 State Route locations in District 6.

Submitted for approval:

 GDOT Concept/Design Phase Office Head & Office

 DATE

Albert V. Shelby, III

10-22-14

ASA _____
 State Program Delivery Engineer

 DATE

AS _____
 GDOT Project Manager

10-16-14
 DATE

Recommendation for approval:

 State Environmental Administrator

 DATE

HIRAL PATEL/EKP*

10/25/14

 State Traffic Engineer

 DATE

KATHY ZAHUL/EKP*

10/29/14

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).

 State Transportation Planning Administrator

 DATE

CINDY VAN DYKE/EKP*

10/29/14

Approval:

Concur: _____
 GDOT Director of Engineering

 DATE

Mike Bonn

12/19/2014

Approve: _____
 GDOT Chief Engineer

 DATE

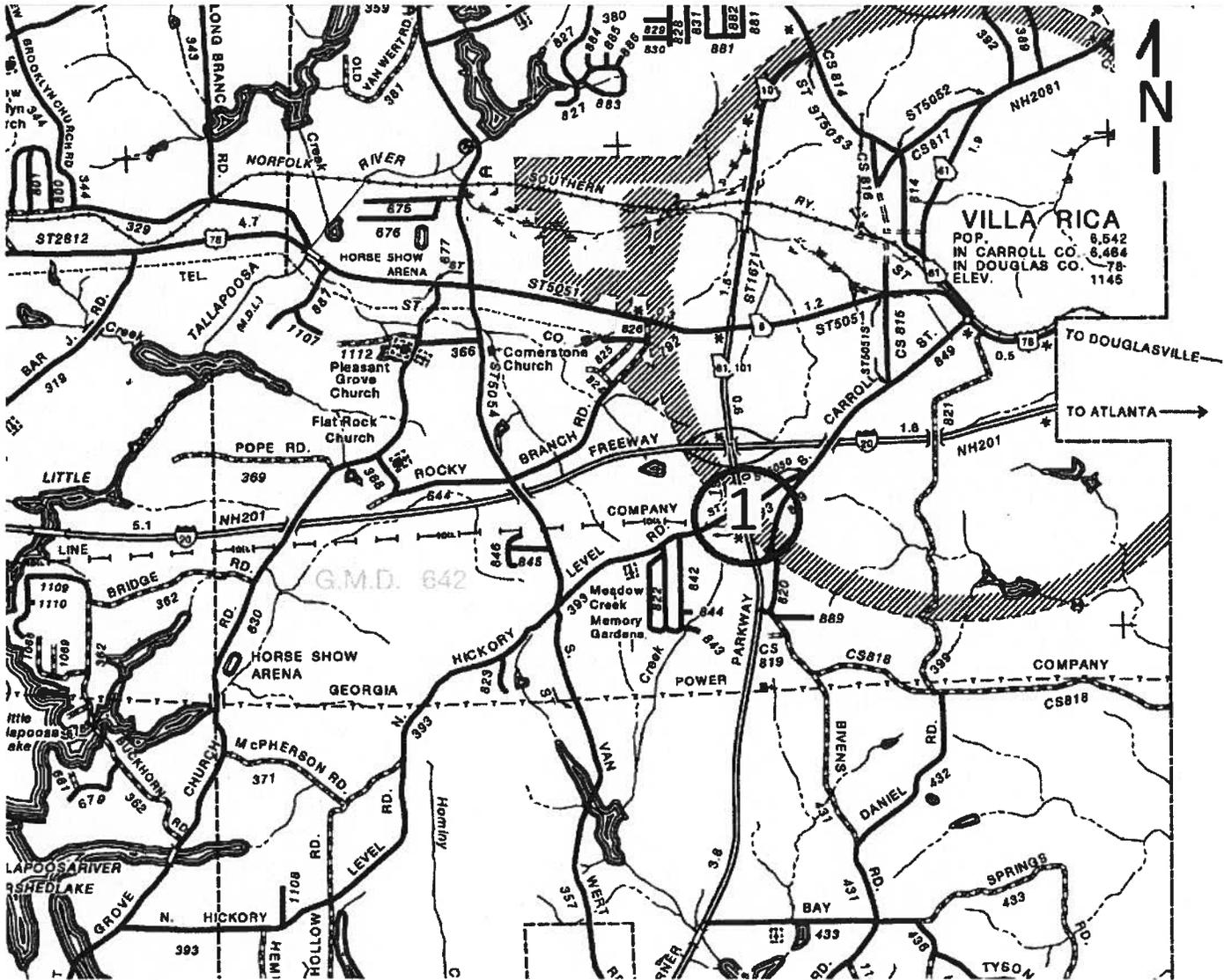
Bill C. M.M.

12/29/14

Note: "State Route 1 Loop" in Haralson County has been corrected to "State Route 1" throughout the Concept Report (1/13/2015).

County: Carroll, Floyd and Haralson

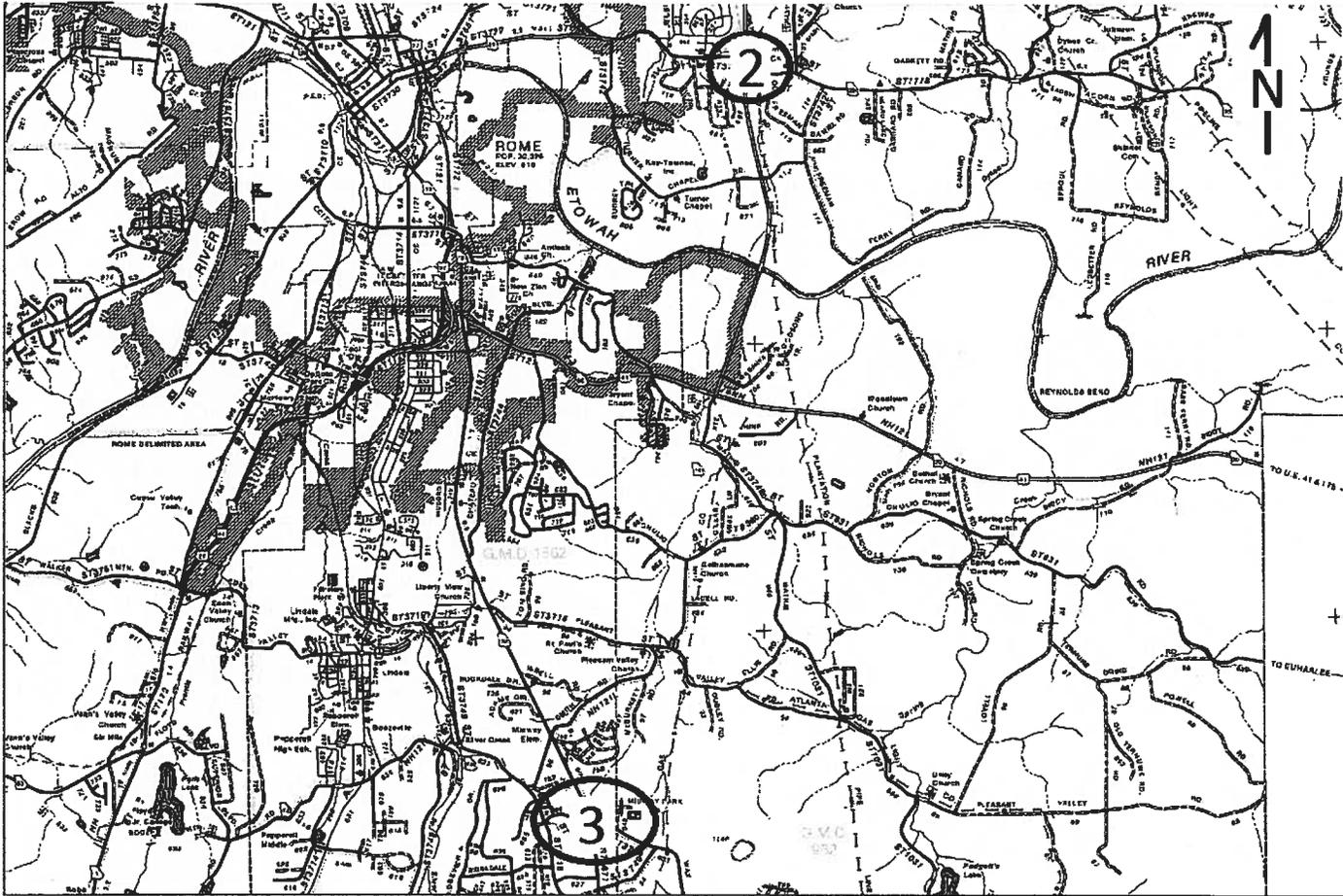
PROJECT LOCATION



Carroll County:

1. State Route 61 @ Hickory Level Rd. (Villa Rica)

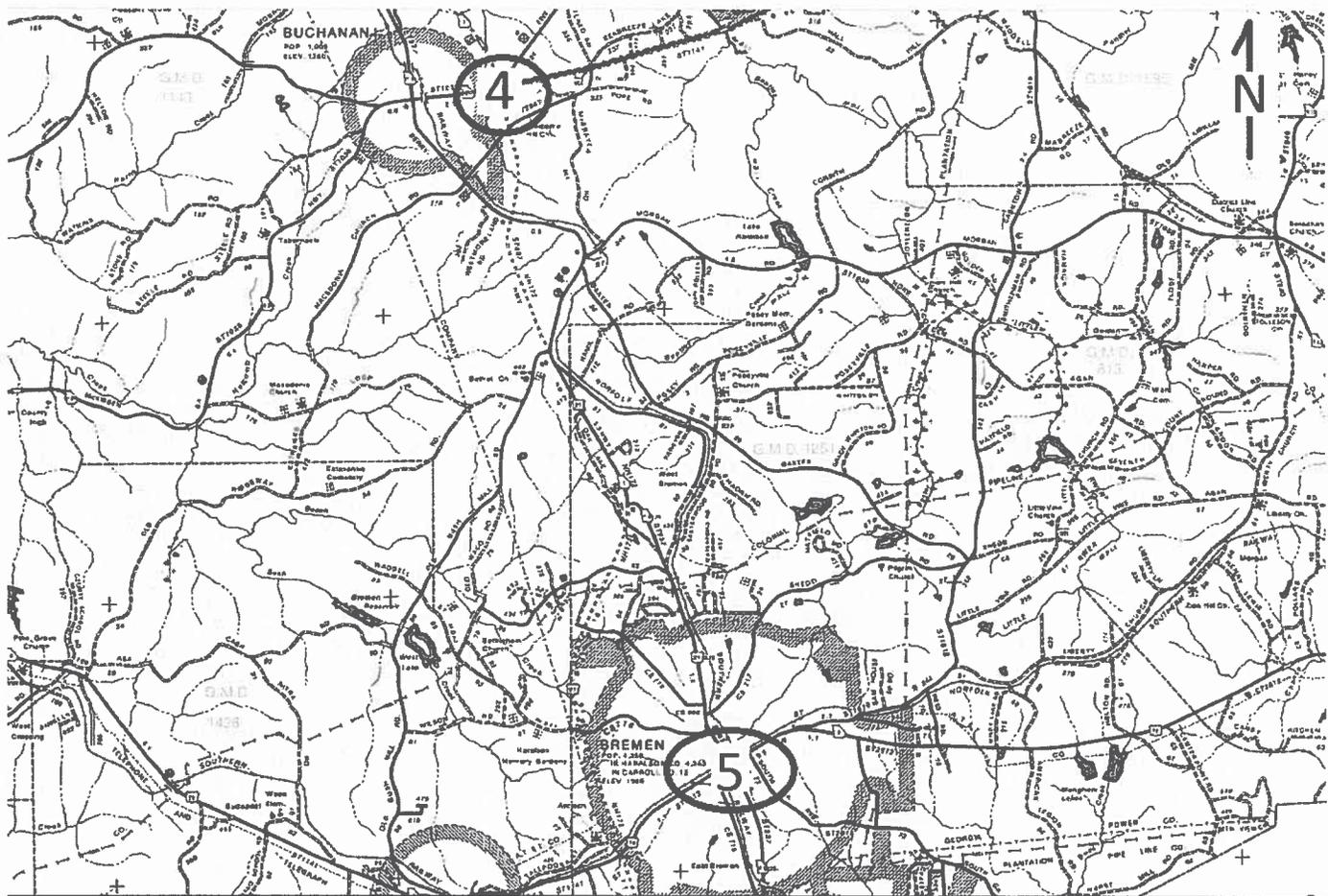
County: Carroll, Floyd and Haralson



Floyd County:

- 2. State Route 1 Loop @ State Route 293 (Rome)
- 3. State Route 101 @ Wax Rd. (Silver Creek)

County: Carroll, Floyd and Haralson



Haralson County:

- 4. State Route 1 Loop @ State Route 120 (Buchanan)
- 5. State Route 1 Business @ State Route 8 (Bremen)

PLANNING & BACKGROUND DATA

Project Justification Statement: The Georgia Department of Transportation is making a concerted effort to develop and strategically implement systematic safety improvements. These improvements vary in size and scope but the objectives remain the same, to reduce fatalities and serious injury collisions. Georgia is recognized by the Federal Highway Administration as a pedestrian focused state. In doing so the Department is focusing on pedestrian enhancements at signalized and stop controlled intersection, as stated as one of the categories in the Georgia Intersection Safety Implementation Plan. These enhancements include but are not limited to: pedestrian countdown signals, push buttons, crosswalks, pedestrian warning signs, raised concrete islands, ADA ramps, etc. Pedestrians account for more than 10% of the crash fatalities in Georgia. A Crash Reduction Factor of 0.30 for pedestrian crashes is used for combined pedestrian enhancements.

The proposed project will enhance pedestrian accommodations at the following intersections:

Floyd County:

SR 1 Loop @ SR 293
SR 101 @ Wax Rd.

Haralson County:

State Route 1-Loop @ State Route 120
State Route 8 @ State Route 1 Business

Carroll County:

SR 61 @ Hickory Level Rd.

Other projects in the area:

Floyd County:

SR 1 Loop @ SR 293 – 0010923 & 662420
SR 101 @ Wax Rd. – 0000400, 0000401 & M005072

Haralson County:

SR 1 Loop @ SR 120 – N/A
SR 8 @ SR 1 Business – 0009448 & M004648

Carroll County:

SR 61 @ Hickory Level Rd. – N/A

Existing conditions: Each intersection is currently signalized.

MPO: Rome (Floyd County)

Project ID

Regional Commission: Northwest Georgia RC

RC Project ID N/A

Congressional District(s): 11, 14, 3

Federal Oversight: Exempt State Funded Other

Projected Traffic: ADT

SR1 Loop (Floyd County)

Current Year (2014): N/A Open Year (2018): 20,752

Design Year (2038): 41,503

SR 293 (Floyd County)

Current Year (2014): N/A Open Year (2018): 7,690

Design Year (2038): 12,304

SR 101 (Floyd County)

Current Year (2014): N/A Open Year (2018): 12,165

Design Year (2038): 19,464

SR 61 (Carroll County)

Current Year (2014): N/A Open Year (2018): 33,924

Design Year (2038): 54,279

SR 120 (Haralson County)

Current Year (2014): N/A Open Year (2018): 3,500

Design Year (2038): 5,600

SR 8 (Haralson County)

Current Year (2014): N/A Open Year (2018): 10,520

Design Year (2038): 16,832

SR 1 Bus (Haralson County)

Current Year (2014): N/A Open Year (2018): 5,475

Design Year (2038): 8,760

Traffic Projections Performed by: District Six Traffic Ops

Functional Classification (Mainline):

SR 61 – Urban Minor Arterial

SR 101– Urban Minor Arterial

SR 1 Loop– Urban Principal Arterial (Floyd County)

SR 1 Loop– Rural Major Arterial (Haralson County)

County: Carroll, Floyd and Haralson

SR 1 Business– Urban Collector

DESIGN AND STRUCTURAL

Description of Proposed Project: The proposed project will provide traffic signalization upgrades and pedestrian improvements including wheelchair ramps, pedestrian signals, and crosswalk striping to make the intersection ADA compliant. Traffic will be maintained during construction.

At the SR101@Wax Rd site’s NW quadrant guardrail will be relocated to create room for the wheelchair ramp and to allow grading for site distance requirements.

At the SR8@SR1Bus site Carrollton St. between SR8 and the Walgreen’s driveway will be closed and the pavement removed. A left turn only sign will be installed for traffic exiting Walgreen’s drive.

At the SR61@Hickory Level Rd site offset left turn lanes will be added on SR 61.

Major Structures: N/A

Lighting required: No Yes

Transportation Management Plan [TMP] Required: No Yes
If Yes: Project classified as: Non-Significant Significant
TMP Components Anticipated: TTC TO PI

A Transportation Management Plan shall be handled via Special Provision 150.

Will Context Sensitive Solutions procedures be utilized? No Yes

Design Exceptions to FHWA/AASHTO controlling criteria anticipated: N/A

Design Variances to GDOT Standard Criteria anticipated: N/A

UTILITY AND PROPERTY

Temporary State Route Needed: No Yes Undetermined

Railroad Involvement: Norfolk Southern/ CXS

Utility Involvements:

- Atlanta Gas Light Co.
- City of Bremen
- Georgia Power Company
- Charter
- AT&T- Georgia
- Carroll EMC
- City of Villa Rica
- City of Buchanan
- City of Rome

SUE Required: No Yes

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

County: Carroll, Floyd and Haralson

Right-of-Way: Right of Way will be required at SR 8 @ SR 1 Bus (Haralson Co.) and SR101@Wax Rd. site (Floyd Co.)

ENVIRONMENTAL AND PERMITS

Anticipated Environmental Document:

GEPA: NEPA: CE PCE

MS4 Compliance – Is the project located in an MS4 area? No Yes (Floyd County)

Environmental Permits, Variances, Commitments, and Coordination anticipated: N/A

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? No Yes (Carroll County)
 Is the project located in an Ozone Non-attainment area? No Yes
 Is a Carbon Monoxide hotspot analysis required? No Yes

NEPA/GEPA Comments & Information:

COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Project Meetings:

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

Other coordination to date:

County: Carroll, Floyd and Haralson

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
Funded By	GDOT	GDOT	GDOT	GDOT	N/A	
\$ Amount	177,000.00, 97,000.00	85,000.00	50,000.00 RR - 40,000.00	466,262.18		915,262.18 915,662.18 <i>EAP</i>
Date of Estimate	3/14/2014	11/20/2014	11/17/2014	11/12/2014		

*CST Cost includes: Construction, Engineering and Inspection, ~~and~~ Liquid AC Cost Adjustment, **Contingencies EAP*

ALTERNATIVES DISCUSSION – N/A

LIST OF ATTACHMENTS/SUPPORTING DATA

1. Cost Estimate
2. Preliminary Utility Cost Estimate
3. Preliminary Railroad Cost Estimate
4. Preliminary ROW Cost Estimate

DETAILED COST ESTIMATE



Job: 0006294

JOB NUMBER 0006294

FED/STATE PROJECT NUMBER CSMSL-0006-00(294)

SPEC YEAR: 13

DESCRIPTION: PEDESTRIAN @ 5 INTERSECTIONS

ITEMS FOR JOB 0006294

1 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0080	150-1000	1.000	LS	\$20,000.00000	TRAFFIC CONTROL - CSMSL-0006-00(294)	\$20,000.00
0115	210-0100	1.000	LS	\$108,000.00000	GRADING COMPLETE - GRADING COMPLETE - 0006294	\$108,000.00
0160	310-1101	480.000	TN	\$27.23678	GR AGGR BASE CRS, INCL MATL	\$13,073.65
0155	402-3121	118.000	TN	\$86.90803	RECYL AC 25MM SP,GP1/2,BM&HL	\$10,255.15
0145	402-3130	44.000	TN	\$68.62826	RECYL AC 12.5MM SP,GP2,BM&HL	\$3,019.64
0150	402-3190	58.000	TN	\$99.17012	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$5,751.87
0110	441-0108	186.000	SY	\$56.76020	CONC SIDEWALK, 8 IN	\$10,557.40
0120	610-1055	115.000	LF	\$9.18206	REM GUARDRAIL	\$1,055.94
0125	610-1075	2.000	EA	\$181.61920	REM GUARDRAIL ANCH, ALL TYPES	\$363.24
0130	641-1200	115.000	LF	\$20.79208	GUARDRAIL, TP W	\$2,391.09
0135	641-5001	1.000	EA	\$842.74497	GUARDRAIL ANCHORAGE, TP 1	\$842.74
0140	641-5012	1.000	EA	\$1,969.14128	GUARDRAIL ANCHORAGE, TP 12	\$1,969.14
SUBTOTAL FOR ROADWAY:						\$177,279.86

2 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0165	636-1041	30.000	SF	\$34.27867	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$1,028.36
0170	636-2070	45.000	LF	\$9.07328	GALV STEEL POSTS, TP 7	\$408.30
0005	652-5701	509.000	LF	\$1.90384	SOLID TRAF STRIPE, 24, WHITE	\$969.05
0015	652-9001	806.000	SY	\$1.80241	TRAFFIC STRIPE, WHITE	\$1,452.74
0020	653-1804	6781.000	LF	\$2.09527	THERM SOLID TRAF STRIPE, 8,WH	\$14,208.03
SUBTOTAL FOR SIGNING AND MARKING:						\$18,066.48

3 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0030	163-0232	1.000	AC	\$410.63640	TEMPORARY GRASSING	\$410.64
0035	163-0240	6.000	TN	\$335.62764	MULCH	\$2,013.77
0040	163-0528	2000.000	LF	\$3.35154	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$6,703.08
0045	165-0041	1000.000	LF	\$1.26153	MAINT OF CHECK DAMS - ALL TYPES	\$1,261.53
0050	171-0030	1000.000	LF	\$3.12024	TEMPORARY SILT FENCE, TYPE C	\$3,120.24
0055	700-6910	2.000	AC	\$940.19720	PERMANENT GRASSING	\$1,880.39
0060	700-7000	6.000	TN	\$109.08289	AGRICULTURAL LIME	\$654.50
0065	700-8000	3.000	TN	\$555.96388	FERTILIZER MIXED GRADE	\$1,667.89
0070	700-8100	300.000	LB	\$2.72109	FERTILIZER NITROGEN CONTENT	\$816.33
SUBTOTAL FOR EROSION CONTROL:						\$18,528.37

DETAILED COST ESTIMATE



Job: 0006294

4 - SIGNAL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0085	647-1000	1.000	LS	\$42,000.00000	TRAF SIGNAL INSTALLATION NO - SIGNAL INSTALLATION NO. 1	\$42,000.00
0090	647-1000	1.000	LS	\$42,000.00000	TRAF SIGNAL INSTALLATION NO - SIGNAL INSTALLATION NO. 2	\$42,000.00
0095	647-1000	1.000	LS	\$42,000.00000	TRAF SIGNAL INSTALLATION NO - SIGNAL INSTALLATION NO. 3	\$42,000.00
0100	647-1000	1.000	LS	\$42,000.00000	TRAF SIGNAL INSTALLATION NO - SIGNAL INSTALLATION NO. 4	\$42,000.00
0105	647-1000	1.000	LS	\$42,000.00000	TRAF SIGNAL INSTALLATION NO - SIGNAL INSTALLATION NO. 5	\$42,000.00
SUBTOTAL FOR SIGNAL:						\$210,000.00

TOTALS FOR JOB 0006294

ITEMS COST:	\$423,874.71
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$423,874.71
CONTINGENCY PERCENT:	0.05
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$466,262.18

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: PI #0006294, Haralson County OFFICE: State Utilities Office

FROM: *Jill Franks for:*
Michael J. Bolden, State Utility Engineer DATE: November 20, 2014

TO: Albert Shelby, State Program Delivery Engineer
Attn: Michael Word, Project Manager

SUBJECT: PRELIMINARY RAILROAD COST (CONCEPT ESTIMATE)

A review of railroads located within the project limits on the above referenced project has been conducted based on the proposed concept report provided. Listed below is a breakdown of the estimated railroad costs:

<u>FACILITY OWNER</u>	<u>NON-REIMBURSABLE</u>	<u>REIMBURSABLE</u>
NS – PE for Traffic Ops projects	\$0.00	\$14,800.00
NS – CE for Traffic Ops projects	\$0.00	\$25,600.00
Total Reimbursement Cost:	\$0.00	\$40,400.00

Total railroad surface work reimbursable cost for the above project is estimated to be:
\$40,400.00

Please note that this amount does not include other reimbursable utility costs that may be associated with this project. Please keep the railroad costs separate from other utilities in your designer's cost estimate.

If you have any questions, please contact Jill Franks, (404) 631-1370, jfranks@dot.ga.gov or Marcela Coll, (404)631-1372 mcoll@dot.ga.gov.

MJB:jlf

cc: Jun Birnkammer, State Utilities Preconstruction Engineer
Angela Robinson, State Financial Management Administrator
Kerry Bonner, District 6 Utilities Engineer
Michael Nash, Railroad Crossing Program Manager

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

Date: 11/20/2014 Project: Harralson
 Revised: County: Harralson
 PI: 0006294

Description: R.R at the intersection of SR 1 Business and SR 8 in Haralson County.
 Project Termini: R.R at the intersection of SR 1 Business and SR 8 in Haralson County.

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 1

Land and Improvements _____ \$25,350.00

- Proximity Damage* \$0.00
- Consequential Damage* \$0.00
- Cost to Cures* \$0.00
- Trade Fixtures* \$0.00
- Improvements* \$5,000.00

Valuation Services _____ \$5,000.00

Legal Services _____ \$38,175.00

Relocation _____ \$2,000.00

Demolition _____ \$0.00

Administrative _____ \$14,500.00

TOTAL ESTIMATED COSTS _____ \$85,025.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$86,000.00

Preparation Credits	Hours	Signature

Prepared By: Dashone Alexander CG#: 286999 11/20/2014 (DATE)
 Approved By: Dashone Alexander CG#: 286999 11/20/2014 (DATE)

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