

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



Project Type: <u>Intersection</u>	P.I. Number: <u>0011371</u>
GDOT District: <u>Two</u>	County: <u>Burke</u>
Federal Route Number: <u>NA</u>	MPO ID Number: <u>N/A</u>
State Route Number: <u>23 & 24</u>	

The project will improve traffic flow, particularly truck traffic, at the intersection of SR 23 and SR 24 in Downtown Sardis, GA. There will also be minor improvements at the Intersection of SR 24 and Ellison Bridge Road.

Submitted for approval:

[Signature] _____ DATE 7/21/14

Local Government Representative
BRYON LETOURNEAU, P.E. POND & COMPANY _____ DATE 6/20/14
 Consultant & Firm

[Signature] _____ DATE 7/27/14
 TIA Project Manager
 Tim Matthews

Digitally signed by Tim Matthews
 DN: cn=Tim Matthews, o=GA, c=US
 Date: 2014.08.01 15:31:44 -0400

GDOT TIA Regional Coordinator _____ DATE _____

[Signature] _____ DATE 24 Jul 2014
 TIA Program Manager

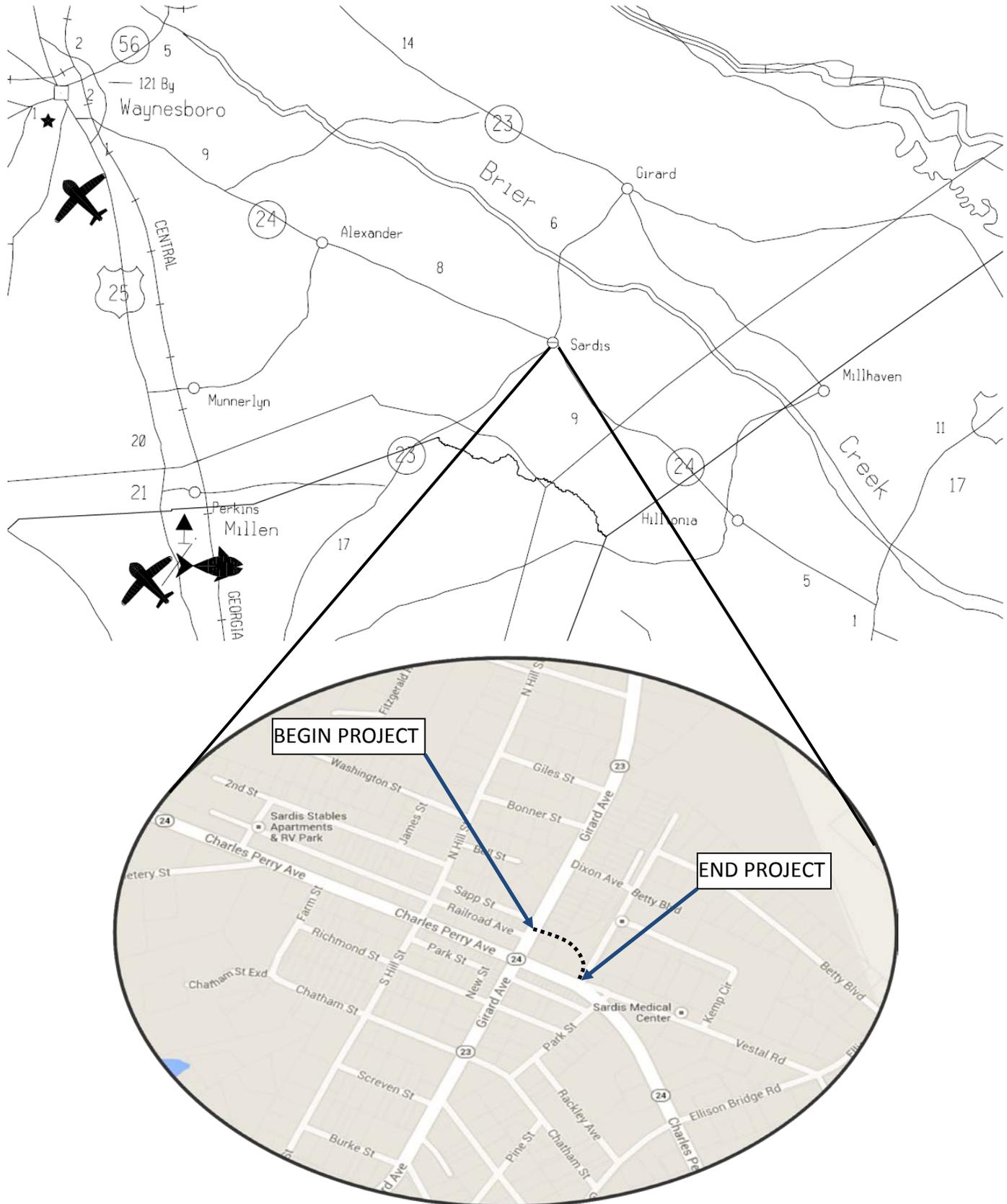
GDOT State TIA Administrator _____ DATE _____

Approval:

Concur: *[Signature]* _____ DATE 8/4/14
 GDOT Director of Engineering

Approve: *[Signature]* _____ DATE 8-7-14
 GDOT Chief Engineer

PROJECT LOCATION



PLANNING & BACKGROUND DATA

Project Intended Benefit: *The project will improve the traffic flow at the intersection of SR 23 and SR 24 in Downtown Sardis. This truck by-pass road (SR 24 Spur) will provide more efficient movement of heavy trucks around the downtown area in Sardis. The removal of a large portion of the truck traffic at the signalized intersection of SR 23 and SR 24 will improve the overall traffic flow in the area. Large truck traffic will also be removed from the Central Business District of Sardis.*

Description of the proposed project:

Federal Oversight: Exempt State Funded TIA Other

MPO: N/A MPO Project ID

Regional Commission: Central Savannah River RC RC Project ID: CS-052

Congressional District(s): 12

Projected Traffic: N/A

Functional Classification (Mainline): Rural Minor Arterial

Is this a 3R (Resurfacing, Restoration, & Rehabilitation) Project? No Yes

Will Context Sensitive Solutions procedures be utilized? No Yes

DESIGN AND STRUCTURAL DATA - Mainline Design Features: SR 24 Spur

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	N/A	2	2
- Lane Width(s)	N/A	12	12
- Outside Shoulder or Border Area Width	N/A	0	4
- Inside Shoulder Width	N/A	0	4
Posted Speed	N/A		25
Design Speed	N/A	25	25
Min Horizontal Curve Radius	N/A	160	160
Superelevation Rate	N/A	4%	4%
Grade	N/A	1-5%	1-5%
Right-of-Way Width	N/A	50'	50'
Design Vehicle	N/A	WB-67	WB-67

*According to current GDOT design policy if applicable

Major Structures: N/A

Major Interchanges/Intersections: SR 23 at SR 24

Utility Involvements: Power, Water, Gas, Cable

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

SUE Required: No Yes

Railroad Involvement: N/A

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

Warrants met: None Bicycle Pedestrian Transit

Right-of-Way:

Required Right-of-Way anticipated: No Yes Undetermined

Easements anticipated: None Temporary Permanent Utility Other

Anticipated number of impacted parcels:	8
Displacements Anticipated:	0
Businesses:	0
Residences:	0
Other:	0

Transportation Management Plan [TMP] Required: No Yes

If Yes: Project classified as: Non-Significant Significant

TMP Components Anticipated: TTC TO PI

Design Exceptions to FHWA/AASHTO controlling criteria anticipated: None

Design Variances to GDOT Standard Criteria anticipated: None

ENVIRONMENTAL DATA

Anticipated Environmental Document:

GEPA: Type A Letter Type B Letter

NEPA: CE EA/FONSI

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

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

Environmental Permits/Variations/Commitments/Coordination anticipated:

No environmental permits, variances, special commitments, or coordination are anticipated. No jurisdictional waters of the US are expected in the study area and no Section 4(f) impacts are anticipated.

NEPA/GEPA Comments & Information:

Environmental documentation for this TIA project will be GEPA Type B. With no ecological, historic, archaeological, or air impacts expected, there are no anticipated delays to GEPA approval.

PROJECT RESPONSIBILITIES

Project Activities:

Project Activity	Party Responsible for Performing Task(s)
Concept Development	Pond & Company
Design	Pond & Company
Right-of-Way Acquisition	GDOT-TIA
Utility Relocation	GDOT-TIA
Letting to Contract	GDOT-TIA
Construction Supervision	GDOT-TIA
Providing Material Pits	Contractor
Providing Detours	N/A
Environmental Studies, Documents, and Permits	Pond & Company (GT Hill Planners)
Environmental Mitigation	N/A
Construction Inspection & Materials Testing	GDOT-TIA

Lighting required: No Yes

Other projects in the area: None currently.

Other coordination to date: GDOT-TIA has met a number of times with officials from the City of Sardis.

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
By Whom	TIA	TIA	TIA	TIA	TIA	
Date of Estimate	3/7/2014	3/7/2014	3/7/2014	3/7/2014	3/7/2014	
TIA Current Programmed Budget \$	\$99,500.00	\$20,000.00	\$13,000.00	\$367,500.00	\$0.00	\$500,000.00
Estimated \$ Amount	\$87,938.18	\$43,267.00	\$13,000.00	\$287,285.61	\$0.00	
Budget Contingency \$	\$995.00	\$200.00	\$130.00	\$14,700.00	\$0.00	
Total Estimated Cost	\$88,933.18	\$43,467.00	\$13,130.00	\$301,985.61	\$0.00	\$447,515.79

Notes: 1. All phases contain 1% Department Management costs and calculated project risk contingency in the Budget Contingency \$ line item.
 2. Construction phase contains 3% CEI in addition to other contingencies.

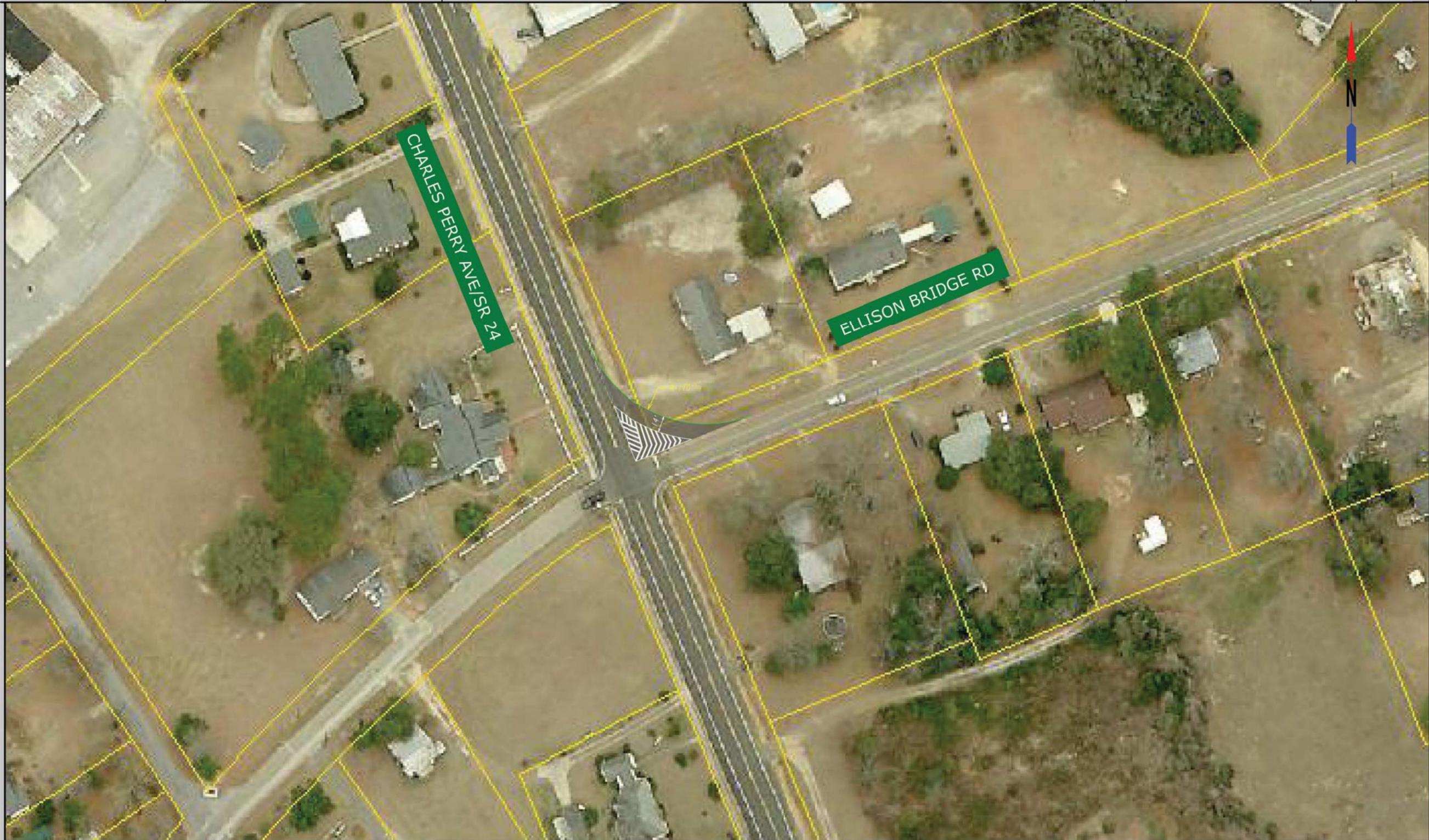
Comments/additional information: None

Attachments:

1. Concept Layout
2. Typical section
3. Cost Estimate



		<p>POND Architects-Engineers-Planners 3500 Parkway Lane Suite 600 • Norcross, Ga. 30092 Phone 678-336-7740 Fax 678-336-7744 Web www.pondco.com</p>	<p>SCALE IN FEET 0 40 80 160</p>	<table border="1"> <thead> <tr> <th colspan="2">REVISION DATES</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> </tbody> </table>	REVISION DATES												<p>STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: CONCEPT DESIGN SARDIS TRUCK IMPROVEMENTS SR 24 BYPASS</p> <p>DRAWING NO. SHEET 1</p>
				REVISION DATES													
12/14/2012	GPLK																

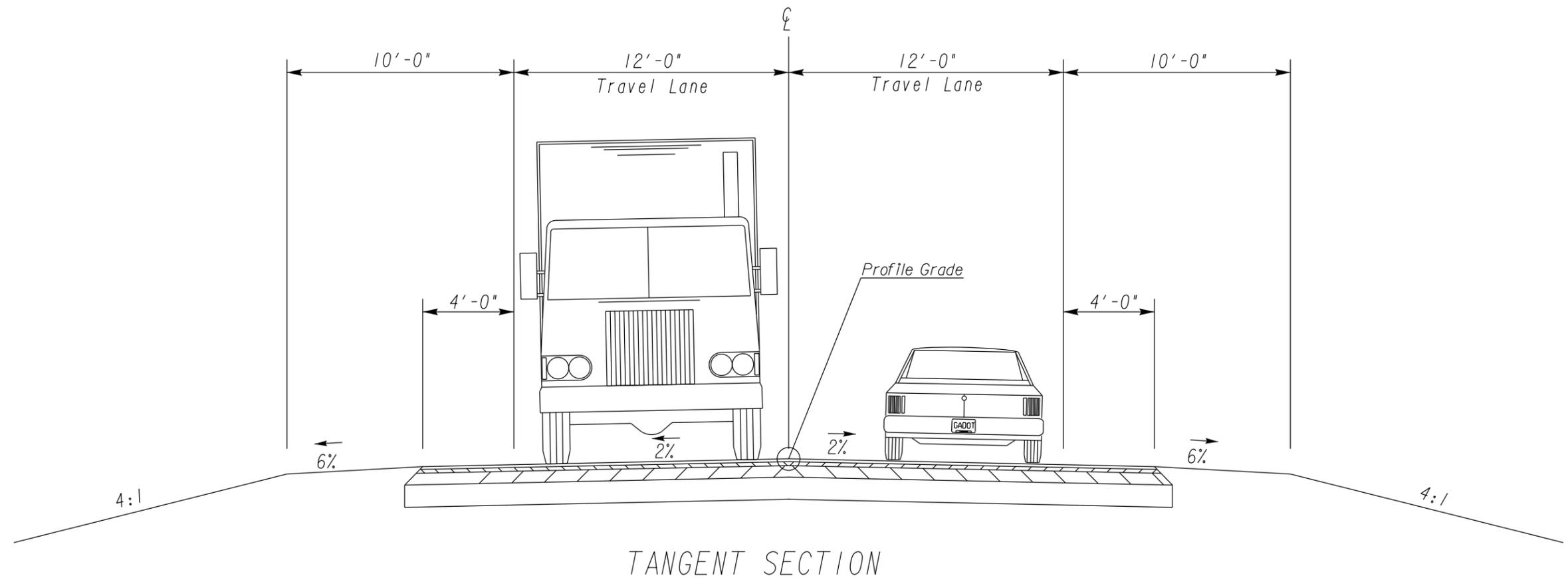


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REVISION DATES	

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
OFFICE:	
CONCEPT DESIGN	
SARDIS TRUCK IMPROVEMENTS	
ELLISON BRIDGE RD	
DRAWING NO.	SHEET 2



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:
PRELIMINARY DESIGN
SARDIS TRUCK IMPROVEMENTS
TYPICAL SECTION

DRAWING No.

Project No. 1140300					
PI No. 0011371					
Project Name: Sardis Truck Improvements					
Date: 6/9/14					
CONCEPT COST ESTIMATE					
Item No.	ITEMS:	Unit	Qty	Price	Cost
ROADWAY ITEMS					
150-1000	TRAFFIC CONTROL -	LS	1	\$20,000.00	\$20,000.00
210-0100	GRADING COMPLETE -	LS	1	\$50,000.00	\$50,000.00
310-1101	GR AGGR BASE CRS, INCL MATL	TN	1893	\$18.50	\$35,020.50
402-3100	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE I, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME	TN	272	\$75.52	\$20,541.44
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	363	\$79.92	\$29,010.96
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	726	\$65.04	\$47,219.04
413-1000	BITUM TACK COAT	GL	573	\$3.01	\$1,724.73
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	LF	625	\$4.67	\$2,918.75
635-1000	BARRICADES	LF	25	\$80.18	\$2,004.50
EROSION CONTROL - PERMANENT					
161-1000	EROSION CONTROL -	LS	1	\$30,000.00	\$30,000.00
SIGNING AND MARKING					
636-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	SF	8	\$13.22	\$105.76
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	42	\$18.04	\$757.68
636-2070	GALV STEEL POSTS, TP 7	LF	104	\$5.68	\$590.72
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	1700	\$0.42	\$714.00
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	1120	\$0.42	\$470.40
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	50	\$5.16	\$258.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	510	\$1.97	\$1,004.70
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	180	\$0.27	\$48.60
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	310	\$3.46	\$1,072.60
ROADWAY SUBTOTAL =					\$243,462.38
CONTINGENCY (15%)					\$36,519.36
INFLATION 1 YEARS @ 3%/ YEAR					\$7,303.87
TOTAL =					\$287,285.61