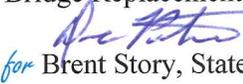


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0011687 **OFFICE** Design Policy & Support
Stewart County
GDOT District 3 - Thomaston **DATE** 3/20/2015
SR 39 @ Hannahatchee Creek Trib.
Bridge Replacement

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
Ben Rabun, State Bridge Engineer
Andrew Heath, 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: Chris Sheahan, Design Group Manager
Thomas Howell, District Engineer
Dan Pass, District Preconstruction Engineer
Kerry Gore, District Utilities Engineer
Justin Banks, Project Manager
BOARD MEMBER - 2nd Congressional District

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA LIMITED SCOPE PROJECT CONCEPT REPORT

Project Type: Culvert Replacement
GDOT District: D3-A2
Federal Route Number: _____

P.I. Number: 0011687
County: Stewart
State Route Number: 39

This project will replace the existing 10' double barrel bridge culvert on Hannahatchee Creek Tributary.

Submitted for approval:

C. Andy Cury
GDOT Concept/State Roadway Design Engineer

1/10/15
DATE

Albert Shelby *ASR/16*
State Program Delivery Engineer

1/21/15
DATE

JKR
GDOT Project Manager

KEED

1/20/15
DATE

**Recommendation on file*
Recommendation for approval:

** Hiral Patel/KLP*
State Environmental Administrator

2-23-15
DATE

** Andrew Heath/KLP*
State Traffic Engineer

2-3-15
DATE

** Ben Rabun/KLP*
State Bridge Engineer

2-18-15
DATE

This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP)

Arnell L. Nause
State Transportation Planning Administrator

2-11-15
DATE

Approval:

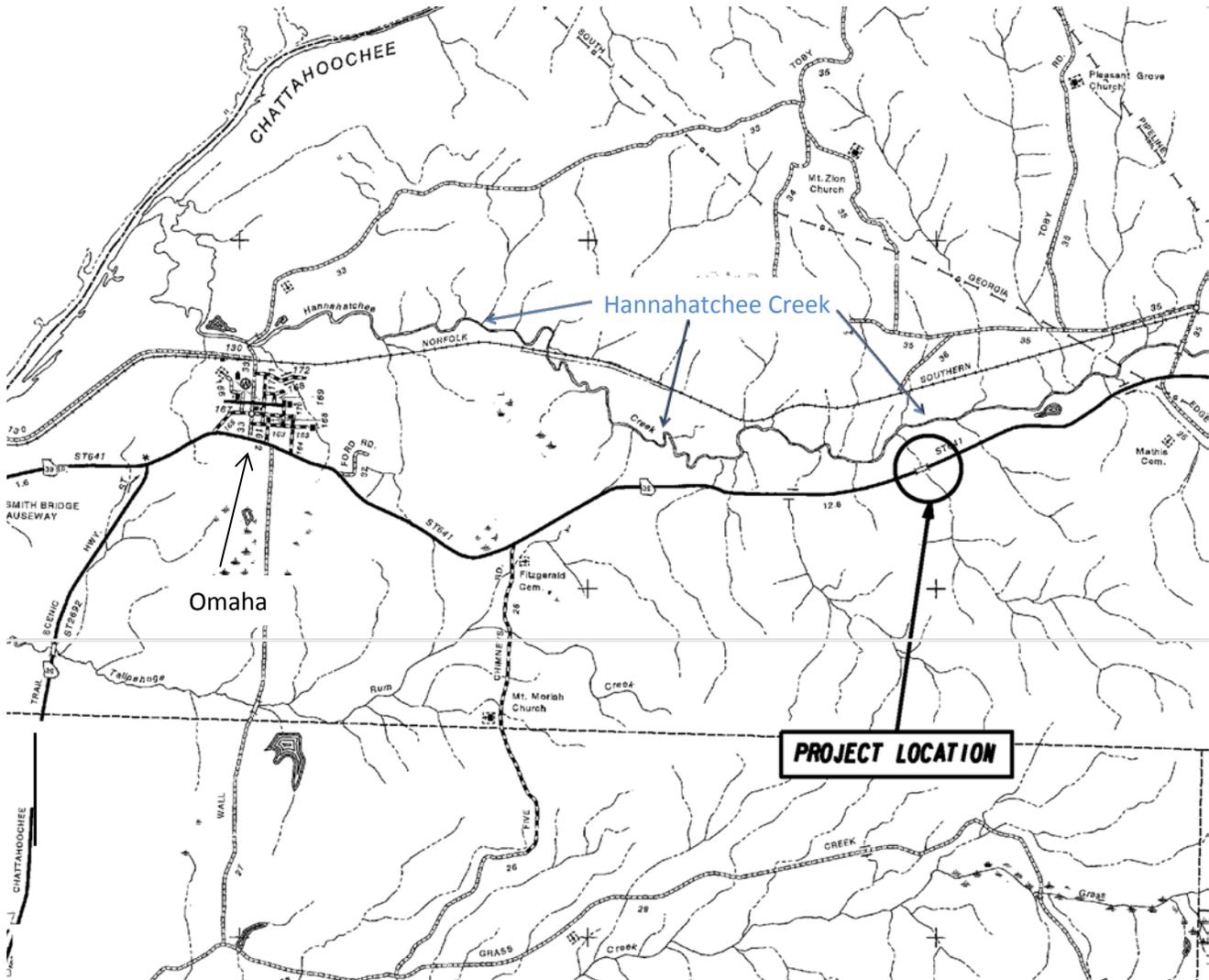
Concur: *John Brown*
GDOT Director of Engineering

3/10/15
DATE

Approve: *Margaret B. Pirkle*
GDOT Chief Engineer

3-16-15
DATE

PROJECT LOCATION MAP



Location Map

Project: 0011687

PI No:0011687

Description: SR 39 Culvert Replacement over the Hannahatchee Creek Tributary

PLANNING & BACKGROUND DATA

Project Justification Statement: The culvert on SR 39 over Hannahatchee Creek Tributary, Structure ID 259-0019-0, was built in 1950. The Culvert consists of 2 corrugated metal barrels, and was designed using a vehicle that is below the current design standards. The culvert’s overall condition is classified as poor. The barrels have section loss below the water line and moderate to heavy corrosion at the water line throughout the length of the culvert. The structure is considered structurally deficient due to this poor condition. The office of Bridge Maintenance has recommended the culvert be replaced due to the structural integrity of the culvert.

Existing conditions: The current roadway consists of 2 – 11’ lanes with 3’ shoulders 1.5’ of which is paved. The corridor has 49% of 24 hour truck volume. There are overhead utilities within the right of way and utilities running along the north side of the road.

Other projects in the area: The next closest project is 0007887 in the city of Omaha on CR 33(2nd Ave) at the Hannachee Creek 4.5 miles away. The existing bridge at this location is currently closed.

Description of the proposed project: The project is approximately 0.4 miles long and located 4.5 miles east of Omaha on SR 39. It consists of replacing the existing 10’ double barrel corrugated metal pipe with a 10’x12’ concrete box culvert. The proposed typical section consists of 2 – 11’ lanes with 6’ shoulders (2’ paved).

MPO: Not Urban/Not in MPO

TIP #: N/A

TIA Regional Commission: Not a TIA Project

Congressional District(s): 2

Federal Oversight: Exempt State Funded Other

Projected Traffic: AADT

Current Year (2012): 525 Open Year (2018): 550 Design Year (2038): 575

Traffic Projections Performed by: GDOT Office of Planning

Functional Classification (Mainline): Rural Major Collector

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

Warrants met: None Bicycle Pedestrian Transit

DESIGN AND STRUCTURAL

Description of Proposed Project: The proposed typical section consists of 2 – 11’ lanes with 6’ shoulders (2’ paved). The project proposes a temporary shift to the alignment approximately 50’ south of its existing location in order to construct the new culvert under traffic at the existing location.

Major Structures:

Structure ID	Existing	Proposed
259-0019-0	Length – 22’, 2 - 10’ Corrugated metal pipe	Length – 34’, 10’x12’, reinforced concrete box culvert.

Mainline Design Features: SR 39 - Rural Major Collector

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2	2	2
- Lane Width(s)	11'	11'	11'
- Median Width & Type	None	None	None
- Outside Shoulder or Border Area Width	1.5'	N/A	6'
- Outside Shoulder Slope	N/A	6%	6%
- Inside Shoulder Width	N/A	N/A	N/A
- Sidewalks	N/A	N/A	N/A
- Auxiliary Lanes	N/A	N/A	N/A
- Bike Lanes	N/A	N/A	N/A
Posted Speed	55 mph		55 mph
Design Speed	55 mph	55 mph	55 mph
Min Horizontal Curve Radius	N/A	1060'	6080'
Maximum Superelevation Rate	N/A	6%	6%
Maximum Grade	N/A	6%	6%
Access Control	Permitted	Permitted	Permitted
Design Vehicle	N/A	SU	SU

*According to current GDOT design policy if applicable

Major Interchanges/Intersections: None

Lighting required: No Yes

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

Will Context Sensitive Solutions procedures be utilized? No Yes

Design Exceptions to FHWA/AASHTO controlling criteria anticipated: None

Design Variances to GDOT Standard Criteria anticipated: None

UTILITY AND PROPERTY

Temporary State Route Needed: No Yes Undetermined

Railroad Involvement: N/A

Utility Involvements: The following utilities are located in the project area:

1. Bellsouth d/ba/ AT&T
2. Sumter EMC

SUE Required: No Yes

Public Interest Determination Policy and Procedure recommended? No Yes

Right-of-Way: Existing width: 100ft Proposed width: 160ft
 Required Right-of-Way anticipated: No Yes Undetermined
 Easements anticipated: None Temporary Permanent Utility Other

Anticipated number of impacted parcels: 1
 Displacements anticipated: Total: 0
 Businesses: 0
 Residences: 0
 Other: 0

ENVIRONMENTAL AND PERMITS

Anticipated Environmental Document:

GEPA: NEPA: CE PCE

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

Environmental Permits, Variances, Commitments, and Coordination anticipated:

Section 404 Nationwide or Regional Permit is anticipated
 Buffer Variance is not anticipated
 Fish & Wildlife Coordination Act (FWCA) Consultation is anticipated
 Section 7 Consolation under the Endangered Species Act (ESA) is not anticipated

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? No Yes
 Is the project located in an Ozone Non-attainment area? No Yes
 Is a Carbon Monoxide hotspot analysis required? No Yes
 (if any of the above are answered "Yes", additional analysis may be required)

NEPA/GEPA Comments & Information: None at this time.

COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Project Meetings: 4/20/2014 – Initial Concept meeting (see attached minutes)
 9/08/2014 – Concept meeting (see attached minutes)

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

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Reimbursable Utility	CST*	Environmental Mitigation	Total Cost
Funded By	L10R			\$1,046,892 <i>KLP</i>		\$1,434,552 <i>KLP</i>
\$ Amount	\$200,000	\$87,000	\$100,660	\$1,028,657		\$1,416,317 <i>KLP</i>
Date of Estimate	1/17/2013	9/17/2014	8/7/2014	1/13/2015		

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

ALTERNATIVES DISCUSSION

Preferred Alternate: Temporary Detour Culvert			
Estimated Property Impacts:	1	Estimated CST Cost:	\$1,028,657
Estimated ROW Cost:	\$87,000	Estimated CST Time:	24mo
Rationale: A temporary culvert would be constructed for a temporary detour. The existing culvert would be replaced with a new box culvert on the existing alignment. The project would be 0.4 miles.			

\$1,046,892 KWP

Alternative 2: No-Build Alternative			
Estimated Property Impacts:	0	Estimated CST Cost:	\$0
Estimated ROW Cost:	\$0	Estimated CST Time:	0
Rationale: This alternate will not meet the project justification.			

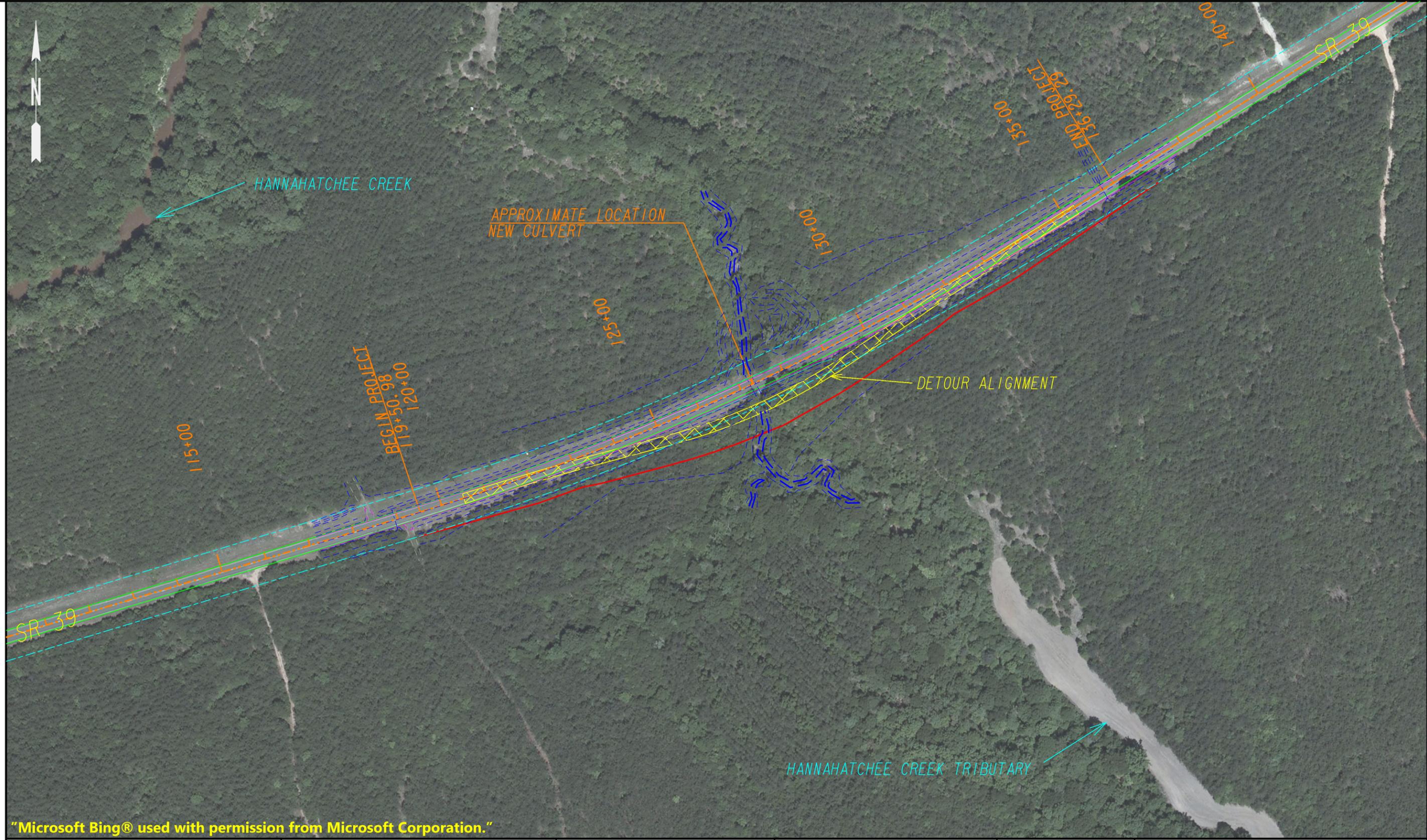
Alternative 3: Close road and replace culvert on existing alignment while providing an offsite detour.			
Estimated Property Impacts:	1	Estimated CST Cost:	\$656,079
Estimated ROW Cost:	\$0	Estimated CST Time:	6mo
Rationale: This alternate would require a 38 mile detour. The District did not recommend an off-side detour because of the impacts to the traveling public. In addition, the bridge on CR 33, 4.5 miles west of this project is currently closed and traffic uses SR 39 as a detour route.			

Alternate 4: Realignment of the road 60' to the north with 1 curve			
Estimated Property Impacts:	1	Estimated CST Cost:	\$2,184,888
Estimated ROW Cost:	\$87,000	Estimated CST Time:	12mo
Rationale: This alternate will allow traffic to be maintained on the existing alignment while the new alignment and culvert are constructed.			

Comments/Additional Information: None at this time.

LIST OF ATTACHMENTS/SUPPORTING DATA

1. Concept Layout
2. Typical Sections
3. Cost Estimates
4. Traffic Projections
5. Initial Concept Meeting Minutes
6. Bridge Inventory Report
7. Crash Summary
8. Concept Meeting Minutes

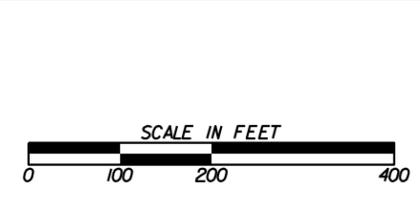


"Microsoft Bing® used with permission from Microsoft Corporation."

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	

PRELIMINARY CONCEPT LAYOUT
 BRIDGE REPLACEMENT STAGING PLAN
 PROJECT: 0011687
 P.I. NUMBER: 0011687, STEWART COUNTY
 DESCRIPTION: SR 39 CULVERT REPLACEMENT
 OVER HANNAHATCHEE CREEK
 TRIBUTARY
 DATE: JANUARY 16, 2015

GEORGIA
 DEPARTMENT
 OF
 TRANSPORTATION



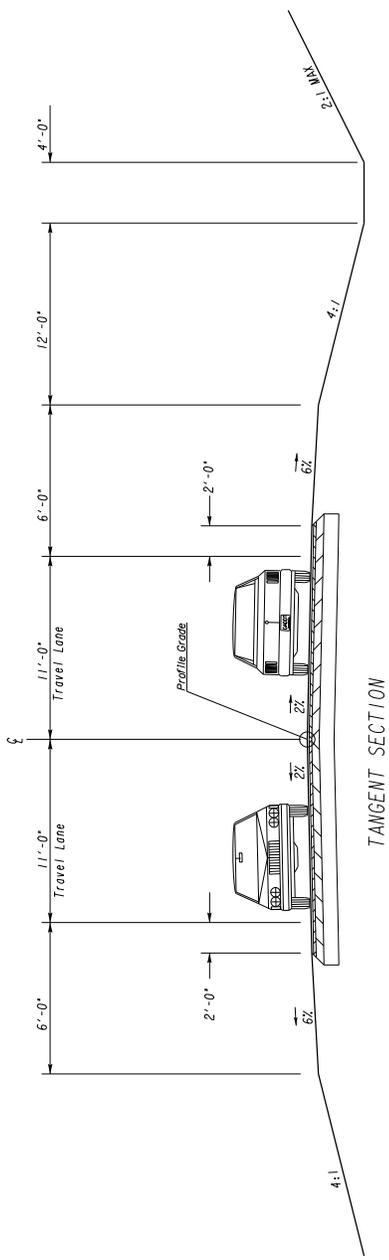
REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: ROADWAY DESIGN

CULVERT REPLACEMENT - SR 39
 PRELIMINARY LAYOUT
 STEWART COUNTY

DRAWING No.

9/25/2014 GSP/ahs	9:40:56 AM GSP/ahs	#1001887 CONCEPT DESIGN/001187 Typical sections.dwg	STATE GA	PROJECT NUMBER 0011887	SHEET NO. 0011887	TOTAL SHEETS
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STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: ROADWAY DESIGN		REVISION DATES	
		TYPICAL SECTIONS	
GEORGIA DEPARTMENT OF TRANSPORTATION		DRAWING No.	
		05-001	

DETAILED COST ESTIMATE**Job: 0011687**

JOB NUMBER 0011687

FED/STATE PROJECT NUMBER

SPEC YEAR: 13

DESCRIPTION: SR 39 @ HANNAHATCHEE CREEK TRIBUTARY

ITEMS FOR JOB 0011687**0010 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0160	150-0001	1.000	LS	\$250,000.00000	TRAFFIC CONTROL, NON-REFUNDABLE DEDUCT	\$250,000.00
0115	210-0100	1.000	LS	\$300,000.00000	GRADING COMPLETE - PI# 0011687	\$300,000.00
0025	310-5120	1137.000	SY	\$22.24122	GR AGGR BS CRS 12IN INCL MATL	\$25,288.27
0005	402-3101	72.000	TN	\$75.09382	REC AC 9.5 MM SP,TPI, BL 1 INCL BM & HL	\$5,406.76
0015	402-3121	188.000	TN	\$96.53539	RECYL AC 25MM SP,GP1/2,BM&HL	\$18,148.65
0010	402-3190	126.000	TN	\$113.44235	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$14,293.74
0020	413-1000	137.000	GL	\$6.87745	BITUM TACK COAT	\$942.21
0135	641-1200	900.000	LF	\$18.04958	GUARDRAIL, TP W	\$16,244.62
0125	641-5001	2.000	EA	\$892.65987	GUARDRAIL ANCHORAGE, TP 1	\$1,785.32
0130	641-5012	2.000	EA	\$2,016.97949	GUARDRAIL ANCHORAGE, TP 12	\$4,033.96
SUBTOTAL FOR ROADWAY:						\$636,143.53

0030 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0035	500-3101	159.000	CY	\$491.76395	CLASS A CONCRETE	\$78,190.47
0030	511-1000	21899.000	LB	\$1.05034	BAR REINF STEEL	\$23,001.40
SUBTOTAL FOR DRAINAGE:						\$101,191.87

0040 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0040	652-5451	2980.000	LF	\$0.47918	SOLID TRAF STRIPE, 5 IN, WHITE	\$1,427.96
0045	652-5452	1490.000	LF	\$0.30984	SOLID TRAF STRIPE, 5 IN, YELLO	\$461.66
0050	653-1501	2020.000	LF	\$0.74757	THERMO SOLID TRAF ST 5 IN, WHI	\$1,510.09
0055	653-1502	1120.000	LF	\$0.70688	THERMO SOLID TRAF ST, 5 IN YEL	\$791.71
0060	654-1001	26.000	EA	\$5.67408	RAISED PVMT MARKERS TP 1	\$147.53
SUBTOTAL FOR SIGNING AND MARKING:						\$4,338.95

DETAILED COST ESTIMATE



Job: 0011687

0060 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0065	163-0232	1.000	AC	\$321.35824	TEMPORARY GRASSING	\$321.36
0165	163-0240	3.000	TN	\$380.87524	MULCH	\$1,142.63
0075	163-0300	2.000	EA	\$1,446.02682	CONSTRUCTION EXIT	\$2,892.05
0220	163-0528	1230.000	LF	\$4.66446	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$5,737.29
0175	165-0030	2794.000	LF	\$0.52193	MAINT OF TEMP SILT FENCE, TP C	\$1,458.27
0100	165-0041	615.000	LF	\$0.69798	MAINT OF CHECK DAMS - ALL TYPES	\$429.26
0080	165-0101	2.000	EA	\$622.43162	MAINT OF CONST EXIT	\$1,244.86
0090	167-1000	2.000	EA	\$417.43631	WATER QUALITY MONITORING AND SAMPLING	\$834.87
0095	167-1500	24.000	MO	\$678.44309	WATER QUALITY INSPECTIONS	\$16,282.63
0170	171-0030	5588.000	LF	\$4.01608	TEMPORARY SILT FENCE, TYPE C	\$22,441.86
0120	643-8200	100.000	LF	\$2.58504	BARRIER FENCE (ORANGE), 4 FT	\$258.50
0070	700-6910	1.000	AC	\$696.89946	PERMANENT GRASSING	\$696.90
0190	700-7000	1.000	TN	\$139.60335	AGRICULTURAL LIME	\$139.60
0195	700-8000	2.000	TN	\$534.06150	FERTILIZER MIXED GRADE	\$1,068.12
0185	700-8100	78.000	LB	\$4.12630	FERTILIZER NITROGEN CONTENT	\$321.85
0110	716-1000	5334.000	SY	\$1.64292	EROSION CONTROL MATS,WATERWAYS	\$8,763.34
SUBTOTAL FOR EROSION CONTROL:						\$64,033.39

0070 - TEMPORARY PAVEMENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0225	310-5080	2408.000	SY	\$20.15839	GR AGGR BS CRS 8IN INCL MATL	\$48,541.40
0200	402-3101	151.000	TN	\$75.09382	REC AC 9.5 MM SP,TPI, BL 1 INCL BM & HL	\$11,339.17
0205	402-3190	265.000	TN	\$105.30522	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$27,905.88
0210	413-1000	145.000	GL	\$6.82419	BITUM TACK COAT	\$989.51
SUBTOTAL FOR TEMPORARY PAVEMENT:						\$88,775.96

TOTALS FOR JOB 0011687

ITEMS COST:	\$894,483.70
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$894,483.70
CONTINGENCY PERCENT:	0.10
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,028,656.26

PROJ. NO.

[Redacted]

CALL NO.

P.I. NO.

0011687

DATE

1/13/2015

INDEX (TYPE)

REG. UNLEADED
DIESEL
LIQUID AC

DATE	INDEX
Jan-15	\$ 2.186
	\$ 6.045
	\$ 556.00

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)			\$	13,360.68	\$	13,360.68
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	889.60		
Monthly Asphalt Cement Price month project let (APL)			\$	556.00		
Total Monthly Tonnage of asphalt cement (TMT)				40.05		

ASPHALT	Tons	%AC	AC ton
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	222	5.0%	11.1
25 mm SP	188	5.0%	9.4
19 mm SP	391	5.0%	19.55
	801		40.05

BITUMINOUS TACK COAT

Price Adjustment (PA)			\$	402.63	\$	402.63
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	889.60		
Monthly Asphalt Cement Price month project let (APL)			\$	556.00		
Total Monthly Tonnage of asphalt cement (TMT)				1.206923359		

Bitum Tack

Gals	gals/ton	tons
281	232.8234	1.20692336

PROJ. NO.

[Redacted]

CALL NO.

P.I. NO.

0011687

DATE

1/13/2015

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)						0	\$	-
Monthly Asphalt Cement Price month placed (APM)		Max. Cap	60%	\$	889.60			
Monthly Asphalt Cement Price month project let (APL)				\$	556.00			
Total Monthly Tonnage of asphalt cement (TMT)					0			

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

TOTAL LIQUID AC ADJUSTMENT	\$ 13,763.31
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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 11687

OFFICE Roadway Design

PROJECT DESCRIPTION

This project will replaced the existing double 10' barrel corrugated metal pipe culvert on the Hannahatchee Creek Tributary.

DATE January 16, 2014

From: Ben Kauss

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Justin Banks

MGMT LET DATE 12/15/2016

MGMT ROW DATE 2/15/2016

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 500,000.00

DATE 7/19/2012

RIGHT OF WAY \$ 150,00.00

DATE 7/19/2012

UTILITIES \$ 50,000.00

DATE 7/19/2012

REVISED COST ESTIMATES

CONSTRUCTION* \$ 1,046,891.98

RIGHT OF WAY \$ 87,000.00

UTILITIES \$ 100,660.00

*Cost Contains 10 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

The scope of the project has changed form an offsite detour while the road is shut down and the culvert replaced to having a temporary alignment and replaced the culvert at the existing location.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	894,483.70	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	44,724.19	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	93,920.79	Base Estimate (A) + E & I (B) x	10 %
			See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	13,763.31	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	1,046,891.98	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
BellSouth d/ba/ AT&T	
Sumter EMC	\$ 100,660.00
TOTAL	\$ 100,660.00

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS Liquid AC Adjustment Spreadsheet
--

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 8/12/2014 Project: 0011687
 Revised: 9/17/2014 County: Stewart County
 PI: 0011687

Description: Bridge Replacement
 Project Termini: Culvert Replacement SR 39

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 1

Land and Improvements _____ \$28,875.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$0.00

Valuation Services _____ \$3,000.00

Legal Services _____ \$38,175.00

Relocation _____ \$2,000.00

Demolition _____ \$0.00

Administrative _____ \$14,500.00

TOTAL ESTIMATED COSTS _____ \$86,550.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$87,000.00

Preparation Credits	Hours	Signature

Prepared By: Jashone Alexander CG#: 286999 09/17/2014 (DATE)

Approved By: Jashone Alexander CG#: 286999 09/17/2014 (DATE)

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

Traffic Projections/Forecasting Summary Sheet

P.I. # 0011687

Stewart County

Year the counts were taken from 2012 coverage

Growth Factors

Growth for Build

Existing Year to Base Year 0.8%

Base Year to Design Year 0.4%

K = 10%

D = 60%

Growth for No Build

Existing to Base Year 0.8%

Base to Design Year 0.4%

K = 10%

D = 60%

Assumptions

- Computed a 15-year historical trend. There is a decrease in the numbers.
- Used ARC projections for Stewart County as additional tool (Negative).



SUBJECT: SR 39 over Hannahatchee Creek Tributary

MEETING DATE: April 30, 2014

LOCATION: One Georgia Center Room 401

P.I.: 0011687

Name	Organization	Phone No.	Email Address
Justin A. Banks	GDOT – Office of Program Delivery	404-631-1153	jubanks@dot.ga.gov
Matt Sanders	GDOT – Engineering Services	404-631-1752	msanders@dot.ga.gov
Ben Kauss	GDOT – Roadway	404-631-1655	bkauss@dot.ga.gov
Chris Sheahan	GDOT – Roadway	404-631-1661	csheahan@dot.ga.gov
Keisha Jackson	GDOT – OES	404-631-1160	kejackson@dot.ga.gov
Kim Boyd	GDOT – D3 ROW	706-646-7554	kboyd@dot.ga.gov
Tyler Peek	GDOT – D3 Utilities	706-464-7605	tpeek@dot.ga.gov
Bill Cliff	GDOT – D3 Estimator	706-646-7506	bcliff@dot.ga.gov
Mark Williams	GDOT – D3 Area 2 Engineer	706-568-2165	marwilliams@dot.ga.gov

MEETING MINUTES

The PM (Justin Banks) welcomed everyone to the meeting.

The purpose of the meeting was to discuss any possible risks or concerns that could be recognized before the concept report was started.

The other project in the area is 0007887 in Omaha CR 33/2nd Ave @ Hannahatchee Creek 4.5 miles away in Omaha. The main concern is the lack of mobility if both roads are closed at the same time.

Each office discussed the project scope and possible risks:

Roadway Design

- Replace barrels
- Offsite detour – 45 min time gap, don't use detour.
- 39C not designed for truck traffic. Could be a env problem finding users (outreach)
- Onsite could be a good alternative.
- Not a lot of good alternate routes.
- Temporary bridge is a good option
- Will evaluate later
- Roadway group to complete
- Size of culvert will be decided later with Hydraulic analysis completed

Environmental

- Aware of schedule timing for seasonal surveys
- Document should be a CE
- Aquatic and plant seasons
- Change in access detour has to notify users
- Partner with Paper Company who would start with?? Several months to adjust shipping routes
- Hazardous waste and UST could cause issues

Right-of-Way

- Appraisals and acquisition should take 12 months
- Easements (temporary) could be an option depending on maintenance around it and how big the culvert will be.

Survey

- Began in Mid- April, should be completed by late July

District

- No shoulders, need to lengthened and bigger
- Check on other bridge timeline don't want both closed
- Lots of flooding and flat

Engineering Services

- Concept – use the most up to date template with the pavement evaluation and recommendations heading and determine if you will need a pavement design
- PFPR and FFPR – review all checklist items thoroughly when requesting these
- Detour may not require PAR, but find out what alternatives will cost. Estimate temp bridge cost
- Your cost estimate needs updating with new information ASAP, request update by September

Utilities

- Sumter EMC – may have to move poles to do work
- Underground telephone – Bell South (may be located inside the project limits)
- Traditional 1st submission – No SUE
- One company to relocate; keep in the ROW
- Utility rights to use space
- Low risk situation

Construction

- Evaluate a Conspan vs concrete box culvert. Cost difference 10%-15% increase
- May be easier to construct in the area.



Processed Date:9/18/2014

Bridge Inventory Data Listing

Parameters: Bridge Serial Num

Structure ID:259-0019-0		Stewart		SUFF. RATING: 64.37	
Location & Geography			Signs & Attachments		
Structure ID:	259-0019-0	*104 Highway System:	0	225 Expansion Joint Type:	00
200 Brgde Information:	07	*26 Functional Classification:	07	242 Deck Drains:	0
*6A Feature Int:	HANNAHATCHEE CRK TRIB	*204 Federal Route Type:	S No: 00641	243 Parapet Location:	0
*6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0.00
*7A Route No Carried:	SR00039	*110 Truck Route:	0	Width:	0.00
*7B Facility Carried:	SR 39	206 School Bus Route:	1	238 Curb Height:	0
9 Location:	4.5 MI E OF OMAHA	217 Benchmark Elevation:	0000.00	Curb Material:	0
2 Dot District:	3	218 Datum:	0	239 Handrail	0 0
207 Year Photo:	2013	*19 Bypass Length:	25	*240 Median Barrier Rail:	0
*91 Inspection Frequency:	24 Date: 05/22/2013	*20 Toll:	3	241 Bridge Median Height:	0
92A Fract Crit Insp Freq:	0 Date: 02/01/1901	*21 Maintanance:	01	* Bridge Median Width:	0
92B Underwater Insp Freq:	0 Date: 02/01/1901	*22 Owner:	01	230 Guardrail Loc. Dir. Rear:	6
92C Other Spc. Insp Freq:	0 Date: 02/01/1901	*31 Design Load:	2	Fwr:	6
* 4 Place Code:	00000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
*5 Inventory Route(O/U):	1	205 Congressional District:	02	Oppo. Fwr:	0
Type:	3	27 Year Constructed:	1950	244 Aproach Slab	0
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	6
Number:	00039	33 Bridge Median	0	233Posted Speed Limit:	55
Direction:	0	34 Skew:	00	236 Warning Sign:	0.00
*16 Latitude:	32 - 08.4447 HMMS Prefix:SR	35 Structure Flared:	0	234 Delineator:	1.00
*17 Longitude:	84 - 56.1502 HMMS Suffix:00	38 Navigation Control:	0	235 Hazard Boards:	0
	MP: 17.50	213 Special Steel Design:	0	237 Utilities Gas:	00
98 Border Bridge:	000 % Shared:00	267 Type of Paint:	4	Water:	00
99 ID Number:	0000000000000000	*42 Type of Service On:	1	Electric:	00
*100 STRAHNET:	0	Type of Service Under:	5	Telephone:	00
12 Base Highway Network:	1	214 Movable Bridge:	0	Sewer:	00
13A LRS Inventory Route:	2591003900	203 Type Bridge:	S - - -	247 Lighting Street:	0
13B Sub Inventory Route:	0	259 Pile Encasement	3	Navigation:	0
*101 Parallel Structure:	N	*43 Structure Type Main:	3 19	Aerial:	0
*102 Direction of Traffic:	2	45 No.Spans Main:	002	*248 County Continuity No.:	00
*264 Road Inventory Mile Post:	017.42	44 Structure Type Appr:	0 00		
*208 Inspection Area:	08 Initials: JKP	46 No Spans Appr:	0000		
Engineer's Initials:	JTB	226 Bridge Curve Horz	0 Vert: 0.00		
* Location ID No:	259-00039D-017.50N	111 Pier Protection	0		
		107 Deck Structure Type:	N		
		108 Wearing Structure Type:	N		
		Membrane Type:	N		
		Deck Protection:	N		

Project Number: 0011687

Stewart County

P.I. Number: 0011687

Crash Summaries

Crash History:

Year	No. Crashes	No. Vehicles	No. Injuries	No. Fatalities
2011	0	0	0	0
2012	1	1	0	0
2013	0	0	0	0
Total all years	1	1	0	0



SUBJECT: SR 39 over Hannahatchee Creek Tributary

MEETING DATE: September 8, 2014

LOCATION: One Georgia Center Room 408

P.I.: 0011687

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Ken Robinson	GDOT – D3 Construction	706-646-7508	krobinson@dot.ga.gov

MEETING MINUTES

The PM (Justin Banks) welcomed everyone to the meeting.

The PM had each attendee to introduce themselves and what office they represented.

The PM and Designer (Chris Sheahan) gave a brief description of the project.

The PM went through the Concept Report and received comments and concerns:

- The description of the proposed project length needs to be checked by the designer
- The typical section will consist of a 2-11' lanes with a 1.5' paved shoulder and a 4.5' grassed shoulder
- The functional classification is a Rural Major Collector
- The roadway width needs to be checked by the designer
- In the Mainline Design Feature table, the actual min horizontal curve radius needs to be added
- The designer needs to check the proposed ROW width
- The PM needs to check on the number of parcels
- The designer needs to check to see what the Environmental document type will be.
- The designer will check to see if any permits, variances, commitments and/or coordination will be needed.
- The designer needs to check to see if there are any other NEPA/GEPA comments that need to be added to the report.
- Change the date of the Initial concept meeting to 4/30/14
- The utility relocation will be done by GDOT
- The CST estimate needs to be updated
- The alternatives listed need to have a more clear and concise descriptions
- An additional attachment of the Bridge Sufficiency Rating will be included