ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. # 0009861
Bibb County
GDOT District 3 - Thomaston
SR 11/SR 49/US 41 at Rocky Creek

OFFICE Design Policy & Support

DATE September 20, 2012

FROM Kim Phillips for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT **APPROVED CONCEPT REPORT**

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

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Jeff Baker, State Utilities Engineer
Ken Thompson, Statewide Location Bureau Chief
Andy Casey, State Roadway Design Engineer
Attn: Sam Woods, Design Group Manager
David Millen, District Engineer
Bill Rountree, District Preconstruction Engineer
Kerry Gore, District Utilities Engineer
Chad White, Project Manager
BOARD MEMBER - 8th Cong. District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

Project Type:	Bridge Replacement	P.I. Number:	0009861
GDOT District:	3	County:	Bibb
Federal Route Number:	41	State Route Number:	11 & 49

The proposed project will replace the southbound bridge on SR 11/SR 49/US 41 at Rocky Creek. The bridge was constructed in 1924 and widened in 1985. The sufficiency rating is 35.83. SR 11/SR 49/US 41 provides an alternate route to Interstate 75 for travelers in the area.

Submitted for approval:

State Roadway Design Engineer	7/25/12 DATE
Office Head	7/27/12 DATE
GDOT Project Manager	27 JUL 12 DATE

Recommendation for approval:

Program Control Administrator	DATE
* GLENDA BOWMAN / OFB	8/2/2012 DATE
State Environmental Administrator	DATE
* LISA MYERS / OFB	8/9/2012 DATE
Project Review Engineer	DATE
* PATRICK ALLEN / OFB	8/14/2012 DATE
State Utilities Engineer	DATE
for * KERRI GORE / OFB	8/2/2012 DATE
District Engineer (UTILITIES)	DATE
* BEN RABUN / OFB	8/7/2012 DATE
State Bridge Design Engineer	DATE
State Transportation Financial Management Administrator	DATE

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

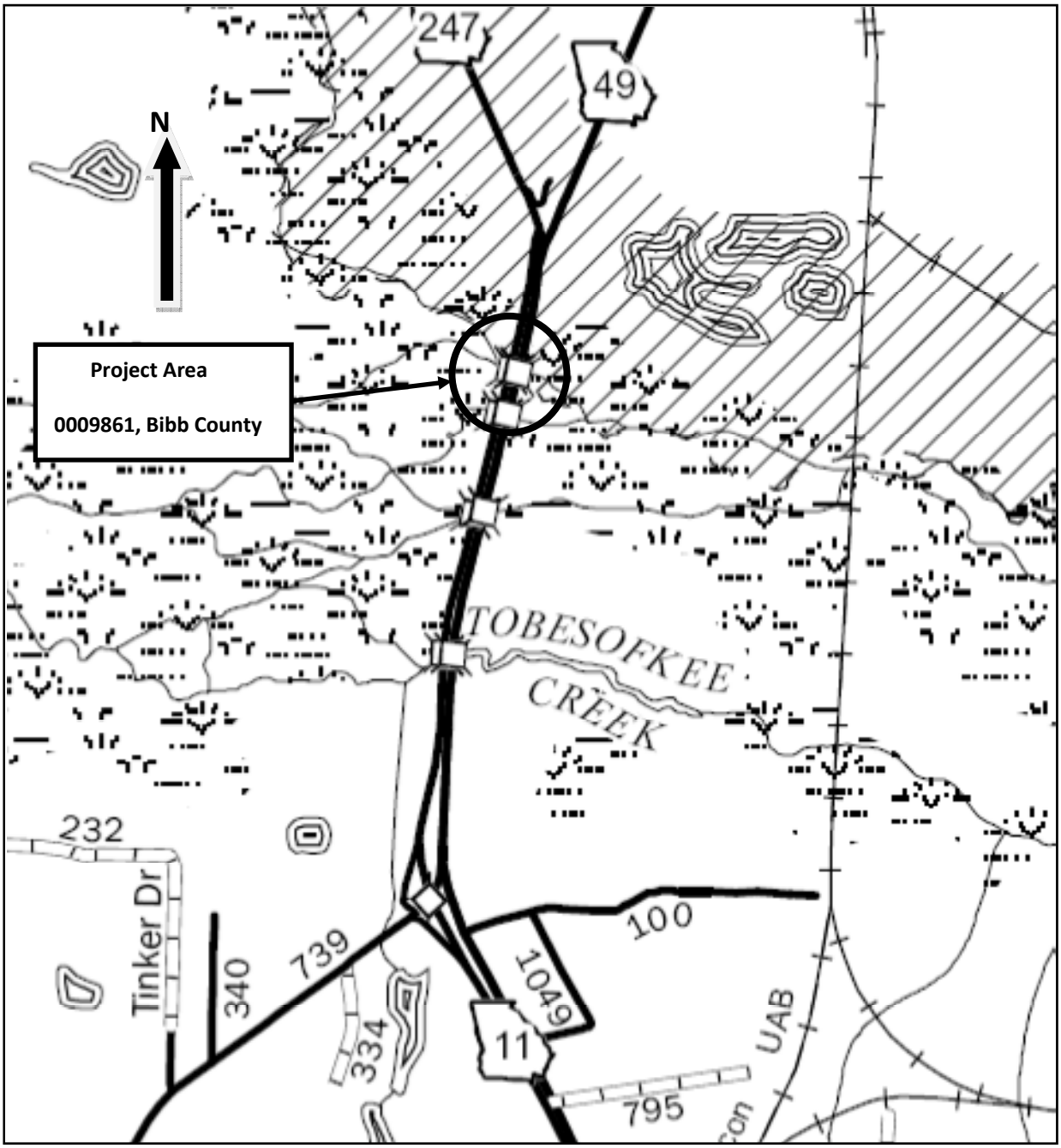
* CINTHIA L. VANDIKE / OFB	8/8/2012
State Transportation Planning Administrator *(recommendation required)*	DATE

* RECOMMENDATION ON FILE

PROJECT LOCATION MAP

Bridge Replacement – SR 11/SR 49/US 41 over Rocky Creek

Bibb County



PLANNING & BACKGROUND DATA

Project Justification Statement: This bridge (Structure ID 021-0008-0 southbound; SR 11 over Rocky Creek) was built in 1924 and widened in 1985. The original bridge consists of three spans of Reinforced Concrete Deck Girders on concrete caps and columns with timber pile footings. The widened section of the bridge consists of three spans of Reinforced Concrete Deck Girders on concrete caps and prestressed concrete piles. The timber pile footings in the original bridge section at Bents 2 and 3 have experienced severe scour. The scour under these footings ranges from 5.5 feet to 10 feet of lost material. This amount of scour has a significant impact on the carrying capacity of this structure. Therefore, due to the current structural integrity of this bridge, replacement of this structure is recommended.

Description of the proposed project: The proposed project will replace the existing southbound bridge over Rocky Creek along SR 11/SR 49/US 41. The bridge is located in northern Bibb County, 1 mile south of Macon. SR 11/SR 49/US 41 provides an alternate route to Interstate 75 for travelers in the area. US 41/SR 11/SR49 is also part of the Strahnet (Strategic Highway Network). The existing bridge has a sufficiency rating of 35.86.

Federal Oversight: ☐ Full Oversight ☒ Exempt ☐ State Funded ☐ Other

MPO: ☐ N/A ☒ MPO - Macon - Bibb MPO
MPO Project TIP # MCN-118

Regional Commission: ☐ NA ☒ RC – Middle Georgia RC
RC Project ID # RC06-000042

Congressional District(s): 8

Projected Traffic AADT:
Current Year (2009): 38,850 Open Year (2017): 40,450 Design Year (2037): 49,400

Functional Classification (Mainline): Urban Principal Arterial

Is this project on a designated bike route? ☐ No ☒ YES
The proposed bridge replacement project does not include constructing bike lanes; however, US 41/SR 11/SR 49 is part of the statewide bicycle plan (route 15). If Roadway shoulder reconstruction is necessary, bike-able rural shoulders will be provided. Bike provisions will be provided in the Bridge Design with bike-able outside shoulder and bridge barrier wall heights.

Is this project located on a pedestrian plan? ☒ No ☐ YES

Is this project located on or part of a transit network? ☒ No ☐ YES

CONTEXT SENSITIVE SOLUTIONS

Issues of Concern: There have been no potential project impacts indentified that would require context sensitive solutions.

Context Sensitive Solutions: N/A

DESIGN AND STRUCTURAL DATA

Mainline Design Features: ***SR 11/SR 19/ US 41 at Rocky Creek***

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	**6**		**6**
- Lane Width(s)	**13'**	**12'**	**12'**
- Median Width & Type	**16'-grass**	**44'- Depress**	**16'-grass**
- Outside Shoulder Width & Type	**10'- grass**	**10'-(6.5' paved)**	**10'-(6.5' paved)**
- Outside Shoulder Slope	**6%**	**6%**	**6%**
- Inside Shoulder Width & Type	**6' (2' paved)**	**6' (2' paved)**	**6' (2' paved)**
- Sidewalks	**None**		**None**
- Auxiliary Lanes	**None**		**None**
- Bike Lanes	**None**		**None**
Posted Speed	**55**		**55**
Design Speed	**55**	**55**	**55**
Min Horizontal Curve Radius		**1060'**	**1060'**
Superelevation Rate	**6%**	**6%**	**6%**
Grade	**5%**	**5%**	**5%**
Access Control	**Partial**	**Partial**	**Partial**
Right-of-Way Width	**300'**	**Varies**	**300'**
Maximum Grade – Crossroad	**N/A**	**N/A**	**N/A**
Design Vehicle	**WB-40**	**WB-40/WB-62**	**WB-62**

*According to current GDOT design policy if applicable

Major Structures: Bridge at Rocky Creek (Southbound only)

Structure	Existing	Proposed
Bridge ID# 021-0008-0	Bridge length is 102' 3-13' Lanes, Bridge roadway width of 50.30', Deck width of 53.70, and sufficiency rating of 35.86	Bridge will have roadway width of 48'. Roadway will include 3-12' lanes, 8' outside shoulder and 4' inside shoulder.
Retaining walls	Cast in Place Concrete	To be determined
Other	Twin Bridge, SB lower than NB	Bridge Length expected to be similar to existing, but final decision will be made after hydrology study.

Major Interchanges/Intersections: 3 legged Intersection of Pio Nono Ave, Houston Ave and Houston Road north of Project (approx 950 ft away) before the start of the divided section of SR 11/SR49/US 41.

Utility Involvements: There are no utilities on the existing southbound bridge.

Public Interest Determination Policy and Procedure recommended (Utilities)? ☐ YES ☒ NO

SUE Required: ☐ Yes ☒ No
Not Applicable.

Railroad Involvement: Not Applicable**.**

Right-of-Way:
Required Right-of-Way anticipated: ☐ YES ☒ NO ☐ Undetermined
Easements anticipated: ☒ Temporary ☐ Permanent ☐ Utility ☐ Other

Anticipated number of impacted parcels: 1
Anticipated number of displacements (Total): 0
Businesses: 0
Residences:
Other:

Location and Design approval: ☐ Not Required ☒ Required

Off-site Detours Anticipated: ☒ No ☐ Yes ☐ Undetermined

Transportation Management Plan Anticipated: ☒ YES ☐ NO

Design Exceptions to FHWA/AASHTO controlling criteria anticipated:

FHWA/AASHTO Controlling Criteria	YES	Appvl Date (if applicable)	NO	Undetermined
1. Design Speed	☐		☒	☐
2. Lane Width	☐		☒	☐
3. Shoulder Width	☐		☒	☐
4. Bridge Width	☐		☒	☐
5. Horizontal Alignment	☐		☒	☐
6. Superelevation	☐		☒	☐
7. Vertical Alignment	☐		☒	☐
8. Grade	☐		☒	☐
9. Stopping Sight Distance	☐		☒	☐
10. Cross Slope	☐		☒	☐
11. Vertical Clearance	☐		☒	☐
12. Lateral Offset to Obstruction	☐		☒	☐
13. Bridge Structural Capacity	☐		☒	☐

Design Variances to GDOT standard criteria anticipated:

GDOT Standard Criteria	Reviewing Office	YES	Appvl Date (if applicable)	NO	Undetermined
1. Access Control - *Median Opening Spacing*	DP&S	☐		☒	☐
2. Median Usage & Width	DP&S	☐		☒	☐
3. Intersection Skew Angle	DP&S	☐		☒	☐
4. Lateral Offset to Obstruction	DP&S	☐		☒	☐
5. Intersection Sight Distance	DP&S	☐		☒	☐
6. Bike & Pedestrian Accommodations	DP&S	☐		☒	☐

7. GDOT Drainage Manual	DP&S	☐		☐	☒
8. Georgia Standard Drawings	DP&S	☐		☒	☐
9. GDOT Bridge & Structural Manual	Bridge Design	☐		☒	☐
10. Roundabout Illumination - *(if applicable)*	DP&S	☐		☒	☐
11. Rumble Strips/Safety Edge	DP&S	☐		☒	☐

VE Study anticipated: ☒ No ☐ Yes ☐ Completed – Date: Click here to enter a date.
Project entails a Bridge Replacement and Value Engineering not recommended due to project cost not exceeding $10,000,000.

ENVIRONMENTAL DATA

Anticipated Environmental Document:
GEPA: ☐ **NEPA:** ☒ Categorical Exclusion ☐ EA/FONSI ☐ EIS

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

The proposed project is a three lane Bridge replacement for a twin bridge divided roadway over Rocky Creek. The project is exempt from conforming plan as the project replaces in kind for an unsatisfactory sufficiency bridge rating.

Environmental Permits/Variances/Commitments/Coordination anticipated: List all anticipated permits, variances, commitments, and coordination needed –Section 404, TVA, Water Quality, etc.

Permit/ Variance/ Commitment/ Coordination Anticipated	YES	NO	Remarks
1. U.S. Coast Guard Permit	☐	☒	
2. Forest Service/Corps Land	☐	☒	
3. CWA Section 404 Permit	☒	☐	
4. Tennessee Valley Authority Permit	☐	☒	
5. Buffer Variance	☐	☒	
6. Coastal Zone Management Coordination	☐	☒	
7. NPDES	☒	☐	
8. FEMA	☐	☒	
9. Cemetery Permit	☐	☒	
10. Other Permits	☐	☒	
11. Other Commitments	☐	☒	
12. Other Coordination	☒	☐	FAA Coordination

Is a PAR required? ☒ No ☐ Yes ☐ Completed – Date: Click here to enter a date.

NEPA/GEPA: Environmental Document pending.

Ecology: Much of the project corridor is located within or adjacent to recognized wetland areas. This project is likely to require the purchase of mitigation credits and the acquisition of a 404 permit. The project has 10 protected species located in the vicinity of the project area. The Ecology Assessment will determine the extent of any impacts to wetlands, streams, and threatened/endangered species.

History: A historic resources survey will have to be completed to identify any properties that are located within the projects APE which may be eligible for the National Register of Historic Places. This includes the bridge itself. SHPO concurrence will be sought.

Archeology: An archeological survey will have to be completed to identify any resources that may be located within the projects APE. This project is located next to the Ocmulgee Old Fields TCP (traditional cultural properties). The TCP will take a little extra coordination with the tribes and would require an AOE.

Air & Noise: An air and Noise study will be done.

Public Involvement: A Public Information Open House may be required depending on the type of detour decided upon.

Major stakeholders: JB&L Auto Sales; traveling public, and trucking businesses.

CONSTRUCTION

Issues potentially affecting constructability/construction schedule: Staging will need to be addressed. The corridor has four consecutive twin bridges. Staging the construction under traffic by demolishing the bridge in sections to maintain traffic versus shifting traffic will have to be investigated. The bridge profile is below the high-water elevation on the existing bridge and changing the profile may potentially affect Bridge ID # 021-0006-0 if the profile is raised to satisfy the vertical clearance over the high-water elevation. Jacking this nearby southbound bridge will be considered if practical to maximize the vertical clearance above Rocky Creek.

Early Completion Incentives recommended for consideration: ☒ No ☐ Yes

PROJECT RESPONSIBILITIES

Project Activities:

Project Activity	Party Responsible for Performing Task(s)
Concept Development	GDOT –Roadway Design Office
Design	GDOT – Roadway Design Office
Right-of-Way Acquisition	GDOT – District 3 Right of Way
Utility Relocation	Utility owners or GDOT's contractor
Letting to Contract	GDOT- Bidding Administration Office
Construction Supervision	GDOT- Construction Office
Providing Material Pits	Contractor
Providing Detours	GDOT Construction & Contractor
Environmental Studies, Documents, and Permits	GDOT-Office of Environmental Services
Environmental Mitigation	GDOT- Office of Environmental Services

Construction Inspection & Materials Testing	GDOT- Office of Material and Research

Lighting required: ☒ No ☐ Yes

Initial Concept Meeting: – Not applicable

Concept Meeting: 06/20/12, Minutes attached.

Other projects in the area: PI 350560- SR 247/US 41/Pio Nono Ave FM I-75 TO SR 49/US 129- Reconstruction (LR); PI M004030- SR 11 From SR 247/US 41 to S. of Ocmulgee River- Maintenance (LR)
Other coordination to date: No coordination to date.

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Utility	CST*	Environmental Mitigation	Total Cost
By Whom	GDOT	GDOT	GDOT	GDOT	GDOT	
$ Amount	$52,020.00	$209,000.00	$0.00	$2,057,153.00	$270,000.00	$2,588,173.00
Date of Estimate	4/15/2010	7/16/2012	7/20/2012	7/16/2012	7/16/2012	

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

ALTERNATIVES DISCUSSION

Alternative selection:

Alternative 1 (Preferred): Replace existing bridge with maximum vertical clearance achievable by jacking the adjacent bridge to the south (Bridge I.D.# 021-0006-0). Results of the hydraulic study will determine proximity to high water elevation; a design variance may be required. The proposed bridge to be replaced is part of a twin bridge system and the grade on the southbound proposed section is approximately 4 ft lower. Bridge expected to be demolished and reconstructed in sections and traffic will be shifted accordingly, maintaining two lanes of southbound traffic without impacting northbound traffic. The final determination will be made when bridge survey is complete.

Estimated Property Impacts:	**3**	**Estimated Total Cost:**	**$ 2,057,153.00**
Estimated ROW Cost:	**$209,000.00**	**Estimated CST Time:**	**2 yrs**

Rationale: Alternative meets the goal outlined in the project justification, is more cost effective, and has less environmental impacts. The environmental mitigation cost for alternative 1 is $270,000.

Alternative 2: Replace existing bridge with maximum vertical clearance achievable by jacking the adjacent bridge to the south (Bridge I.D.# 021-0006-0). Results of the hydraulic study will determine proximity to high water elevation; a design variance may be required. If bridge cannot be constructed in stages, southbound traffic will be shifted to the northbound lanes for the duration of the bridge replacement. The northbound lanes will carry 2 lanes in each direction. Southbound traffic will be shifted during construction directly after the Pio Nono, Broadway, and Houston Road intersection onto northbound

alignment. Temporary asphalt will be added to northbound alignment for about one mile to sustain four lanes with 2-way traffic. Southbound traffic will be shifted back on southbound alignment after passing Bridge I.D# 021-0001-0 and I.D. # 021-0002-0.			
Estimated Property Impacts:	**4**	**Estimated Total Cost:**	**$3,186,758.00**
Estimated ROW Cost:	**$316,000.00**	**Estimated CST Time:**	**2 yrs**
Rationale: Alternative meets the goal outlined in the project justification but will not be necessary if existing bridge can be constructed in stages. This alternative separates the public from the proposed construction and would cut construction time of replacing the bridge. The alternative however requires detouring traffic on the northbound roadway for about a mile and has more environmental impacts. The environmental mitigation cost for alternative 2 is $1,440,000.			

No-Build Alternative: No Build and keep the existing structure			
Estimated Property Impacts:	**0**	**Estimated Total Cost:**	**0**
Estimated ROW Cost:	**0**	**Estimated CST Time:**	**0**
Rationale: The no build alternative does not satisfy project justification and would become a hazard to the traveling public over time.			

Comments: A detour bridge option was ruled out because two detour bridges would have to be constructed due to close proximity of bridges and right of way impacts on adjacent businesses.

Attachments:

1. Concept Layout
2. Typical sections
3. Detailed Cost Estimates Alternative 1 & 2:
    a. Construction including Engineering and Inspection
    b. Completed Fuel & Asphalt Price Adjustment forms
    c. Right of Way Cost Estimate (Alternative 1 & 2)
    d. Utilities Cost Estimate
    e. Environmental Mitigation Cost Estimate Correspondence
4. Crash summaries
5. Traffic diagrams
6. Bridge inventory
7. Minutes of Concept Meeting
8. Bridge Coordination Correspondence

APPROVALS

Concur: _____
Director of Engineering

Approve: _____ 9/18/2012
Chief Engineer Date

P.I. # 0009861
Bibb-County CONCEPT TEAM MEETING LAYOUT
SR 11/SR 49/US 41 BRIDGE REPLACMENT
@ ROCKY CREEK
JUNE 20, 2012

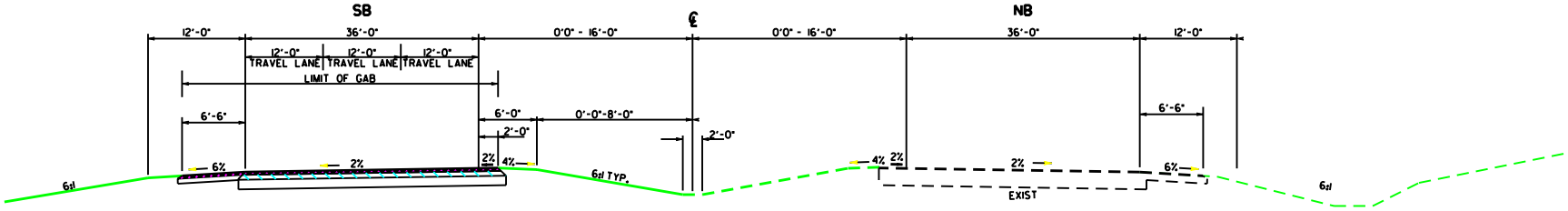
SCALE: 1"=50'

DATE$$$	TIME$$$	PRF	DGN	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$USER$		$$PENTABLE$$		GA	STP00-0155-01(022)		

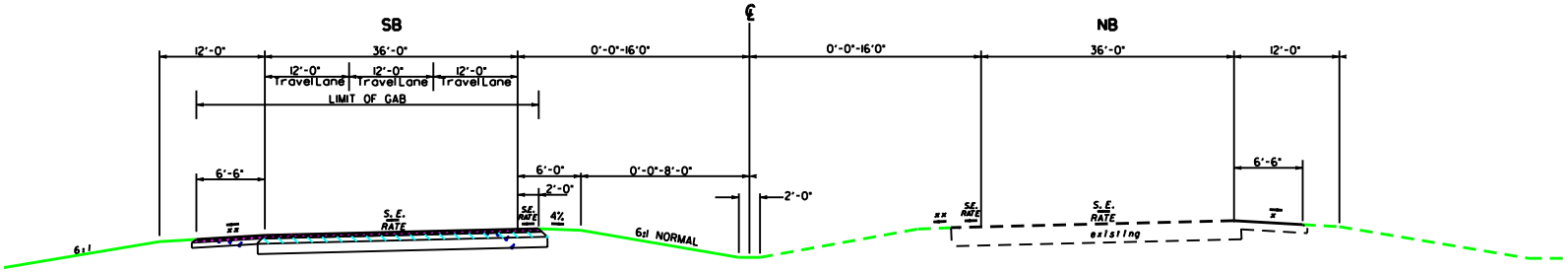
SLOPES STEEPER THAN 2:1 WILL REQUIRE GUARDRAIL.
SEE DETAIL "A" FOR TYPICAL SHOULDER DETAIL FOR GUARDRAIL.

- * SHOULDER TO SLOPE AT NORMAL RATE, HOWEVER, THE ALGEBRAIC DIFFERENCE IN TRAVEL LANE SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8%. MINIMUM SHOULDER SLOPE TO BE 2%.
- ** SHOULDER TO SLOPE AT NORMAL RATE OR SUPERELEVATION RATE, WHICHEVER IS GREATER.

SR 11/SR 49/US 41
DEPRESSED MEDIAN SECTION



TANGENT SECTION



SUPERELEVATED

GEORGIA DEPARTMENT OF TRANSPORTATION	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION
		OFFICE: ROADWAY DESIGN
		TYPICAL SECTIONS
		NOT TO SCALE
		HOUSTON/TWIGGS COUNTY
		DRAWING No. —

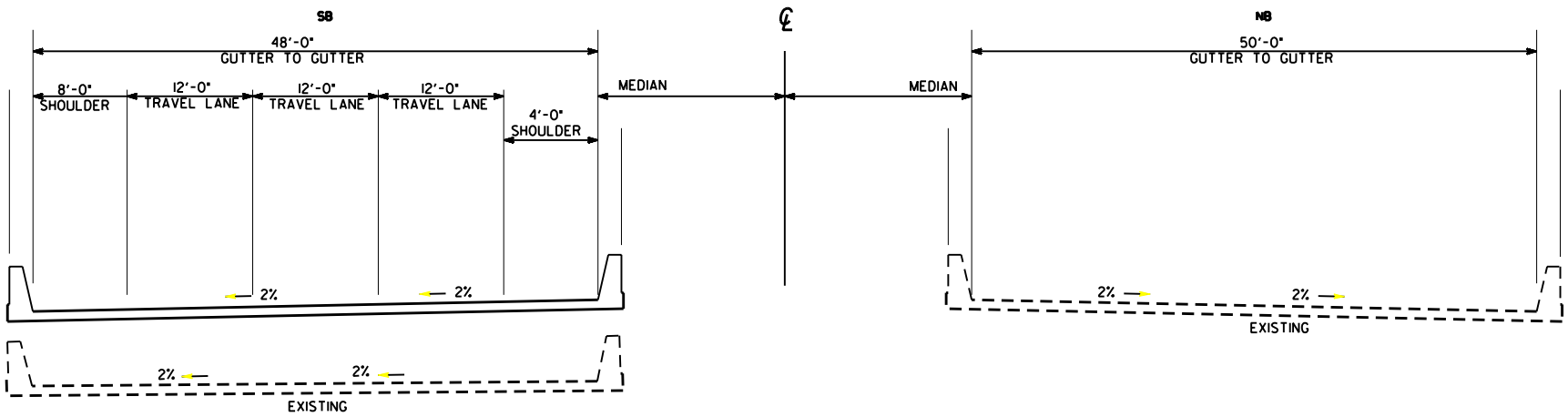
3/4/2008 GPLB

...\2.03 DGNs\0009861TYPS.dgn 8/22/2012 10:23:30 AM dwilson

* SHOULDER TO SLOPE AT NORMAL RATE, HOWEVER, THE ALGEBRAIC DIFFERENCE IN TRAVEL LANE SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8%. MINIMUM SHOULDER SLOPE TO BE 2%.

** SHOULDER TO SLOPE AT NORMAL RATE OR SUPERELEVATION RATE, WHICHEVER IS GREATER.

TWIN BRIDGE SECTION



SR 11/SR 49/US 41 BRIDGE OVER ROCKY CREEK

GEORGIA DEPARTMENT OF TRANSPORTATION

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
TYPICAL SECTIONS
NOT TO SCALE

DRAWING No.

PROJ. NO.: PE00009861
P.I. NO. 0009861
DATE: 7/16/2012
Alternative 1

Base Construction Cost		$	1,926,629.33
E & I	5%	$	96,331.47
Construction Contingency	0%	$	-
Subtotal Construction Cost		$	2,022,960.80
Liquid AC Adjustment (50 % cap)		$	34,192.11
Total Construction Cost		$	2,057,152.91

PROJ. NO.: PE00009861
P.I. NO. 0009861
DATE: 7/16/2012
Alternative 2

Base Construction Cost		$	2,905,004.43
E & I	5%	$	145,250.22
Construction Contingency	0%	$	-
Subtotal Construction Cost		$	3,050,254.65
Liquid AC Adjustment (50 % cap)		$	136,502.60
Total Construction Cost		$	3,186,757.25

Processed Date: 8/23/12

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0009861_ALT 1

JOB NUMBER: *0009861_ALT 1* **FED/STATE PROJECT NUMBER**

SPEC YEAR: *01*

DESCRIPTION: *SR 11/SR 49/US 41 OVER ROCKY CREEK*

ITEMS FOR JOB 0009861_ALT 1

0100 - ROADWAY

.ine Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	$50,000.00000	TRAFFIC CONTROL - 0009861	$50,000.00
0010	153-1300	1.000	EA	$84,000.00000	FIELD ENGINEERS OFFICE TP 3	$84,000.00
0015	210-0100	1.000	LS	$600,000.00000	GRADING COMPLETE - 0009861	$600,000.00
0025	310-5120	3533.000	SY	$20.00000	GR AGGR BS CRS 12IN INCL MATL	$70,660.00
0035	402-3121	858.000	TN	$70.00000	RECYL AC 25MM SP,GP1/2,BM&HL	$60,060.00
0040	402-3130	405.000	TN	$85.00000	RECYL AC 12.5MM SP,GP2,BM&HL	$34,425.00
0030	402-3190	503.000	TN	$71.00000	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	$35,713.00
0045	413-1000	402.000	GL	$3.00000	BITUM TACK COAT	$1,206.00
0160	433-1000	297.000	SY	$179.72141	REINF CONC APPROACH SLAB	$53,377.26
0050	456-2012	1.000	GLM	$1,000.00000	INTENT. RUMB. STRIPS - GRND-IN-PL (CONT)	$1,000.00
0055	620-0200	660.000	LF	$82.29031	TEMP BARRIER, METHOD NO. 2	$54,311.60
0060	634-1200	2.000	EA	$115.00000	RIGHT OF WAY MARKERS	$230.00
0065	641-1100	50.000	LF	$80.00000	GUARDRAIL, TP T	$4,000.00
0070	641-1200	50.000	LF	$20.00000	GUARDRAIL, TP W	$1,000.00
0075	641-5001	2.000	EA	$707.24916	GUARDRAIL ANCHORAGE, TP 1	$1,414.50
0080	641-5012	2.000	EA	$1,909.63734	GUARDRAIL ANCHORAGE, TP 12	$3,819.27
0085	648-1350	2.000	EA	$18,550.21667	IMPACT ATT UNIT, TP-P- 0009861	$37,100.43
					SUBTOTAL FOR ROADWAY:	**$1,092,317.06**

0200 - EROSION CONTROL

.ine Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0090	163-0232	3.000	AC	$600.00000	TEMPORARY GRASSING	$1,800.00
0095	163-0240	73.000	TN	$250.00000	MULCH	$18,250.00
0100	163-0300	4.000	EA	$1,200.00000	CONSTRUCTION EXIT	$4,800.00
0105	165-0030	2000.000	LF	$1.00000	MAINT OF TEMP SILT FENCE, TP C	$2,000.00
0110	165-0101	8.000	EA	$700.00000	MAINT OF CONST EXIT	$5,600.00
0115	167-1000	2.000	EA	$500.00000	WATER QUALITY MONITORING AND SAMPLING	$1,000.00
0120	167-1500	24.000	MO	$500.00000	WATER QUALITY INSPECTIONS	$12,000.00
0125	171-0030	4000.000	LF	$3.00000	TEMPORARY SILT FENCE, TYPE C	$12,000.00
0130	700-6910	5.000	AC	$1,000.00000	PERMANENT GRASSING	$5,000.00
0135	700-7000	5.000	TN	$65.00000	AGRICULTURAL LIME	$325.00
0140	700-8000	5.000	TN	$450.00000	FERTILIZER MIXED GRADE	$2,250.00
0145	700-8100	250.000	LB	$2.30000	FERTILIZER NITROGEN CONTENT	$575.00
					SUBTOTAL FOR EROSION CONTROL:	**$65,600.00**

0300 - SIGN AND MARKING

.ine Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0165	636-1020	50.000	SF	$16.26801	HWY SGN,TP1MAT,REFL SH TP3	$813.40
0170	636-1029	28.000	SF	$11.45901	HWY SGN,TP2 MATL,REFL SH TP 3	$320.85
0175	636-1033	28.000	SF	$21.36023	HWY SIGNS, TP1MAT,REFL SH TP 9	$598.09
0180	636-2070	49.000	LF	$10.47380	GALV STEEL POSTS, TP 7	$513.22
0185	636-2080	154.000	LF	$8.99043	GALV STEEL POSTS, TP 8	$1,384.53
0190	636-2090	44.000	LF	$13.15847	GALV STEEL POSTS, TP 9	$578.97
0200	652-2501	1.000	LM	$521.52584	SOLID TRAF STRIPE, 5 IN, WHITE	$521.53
0205	652-2502	1.000	LM	$451.58158	SOLID TRAF STRIPE, 5 IN, YELLO	$451.58
0195	654-1001	20.000	EA	$5.50480	RAISED PVMT MARKERS TP 1	$110.10
					SUBTOTAL FOR SIGN AND MARKING:	**$5,292.27**

File Location: Div of Preconstruction > CES

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0009861_ALT 1

0400 - BRIDGE

Line Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0150	540-1101	1.000	LS	$53,295.00000	REM OF EX BR, STA NO - 0009861	$53,295.00
0155	543-9000	1.000	LS	$710,125.00000	CONSTR OF BRIDGE COMPLETE - 0009861	$710,125.00
					SUBTOTAL FOR BRIDGE:	**$763,420.00**

TOTALS FOR JOB 0009861_ALT 1

ITEMS COST:	**$1,926,629.33**
COST GROUP COST:	**$0.00**
ESTIMATED COST:	**$1,926,629.33**
CONTINGENCY PERCENT:	**0.00**
ENGINEERING AND INSPECTION:	**0.05**
ESTIMATED COST WITH CONTINGENCY AND E&I:	**$2,022,960.80**

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Processed Date: 8/23/12

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0009861_ALT2

JOB NUMBER: *0009861_ALT2* **FED/STATE PROJECT NUMBER**

SPEC YEAR: *01*

DESCRIPTION: *SR 11/SR 49/US 41 OVER ROCKY CREEK*

ITEMS FOR JOB 0009861_ALT2

0100 - ROADWAY

.ine Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	$250,000.00000	TRAFFIC CONTROL - 0009861	$250,000.00
0010	153-1300	1.000	EA	$84,000.00000	FIELD ENGINEERS OFFICE TP 3	$84,000.00
0015	210-0100	1.000	LS	$600,000.00000	GRADING COMPLETE - 0009861	$600,000.00
0025	310-5120	14132.000	SY	$20.00000	GR AGGR BS CRS 12IN INCL MATL	$282,640.00
0035	402-3121	3429.000	TN	$70.00000	RECYL AC 25MM SP,GP1/2,BM&HL	$240,030.00
0040	402-3130	1612.000	TN	$85.00000	RECYL AC 12.5MM SP,GP2,BM&HL	$137,020.00
0030	402-3190	2009.000	TN	$71.00000	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	$142,639.00
0045	413-1000	1608.000	GL	$3.00000	BITUM TACK COAT	$4,824.00
0215	433-1000	297.000	SY	$179.72141	REINF CONC APPROACH SLAB	$53,377.26
0050	456-2012	1.000	GLM	$1,000.00000	INTENT. RUMB. STRIPS - GRND-IN-PL (CONT)	$1,000.00
0055	620-0200	660.000	LF	$82.29031	TEMP BARRIER, METHOD NO. 2	$54,311.60
0060	634-1200	2.000	EA	$115.00000	RIGHT OF WAY MARKERS	$230.00
0065	641-1100	50.000	LF	$80.00000	GUARDRAIL, TP T	$4,000.00
0070	641-1200	50.000	LF	$20.00000	GUARDRAIL, TP W	$1,000.00
0075	641-5001	2.000	EA	$707.24916	GUARDRAIL ANCHORAGE, TP 1	$1,414.50
0080	641-5012	2.000	EA	$1,909.63734	GUARDRAIL ANCHORAGE, TP 12	$3,819.27
0085	648-1350	2.000	EA	$18,550.21667	IMPACT ATT UNIT, TP-P- 0009861	$37,100.43
					SUBTOTAL FOR ROADWAY:	**$1,897,406.06**

0200 - EROSION CONTROL

.ine Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0090	163-0232	16.000	AC	$600.00000	TEMPORARY GRASSING	$9,600.00
0095	163-0240	450.000	TN	$250.00000	MULCH	$112,500.00
0100	163-0300	4.000	EA	$1,200.00000	CONSTRUCTION EXIT	$4,800.00
0105	165-0030	5000.000	LF	$1.00000	MAINT OF TEMP SILT FENCE, TP C	$5,000.00
0110	165-0101	8.000	EA	$700.00000	MAINT OF CONST EXIT	$5,600.00
0115	167-1000	2.000	EA	$500.00000	WATER QUALITY MONITORING AND SAMPLING	$1,000.00
0120	167-1500	24.000	MO	$500.00000	WATER QUALITY INSPECTIONS	$12,000.00
0125	171-0030	10000.000	LF	$3.00000	TEMPORARY SILT FENCE, TYPE C	$30,000.00
0130	700-6910	31.000	AC	$1,000.00000	PERMANENT GRASSING	$31,000.00
0135	700-7000	31.000	TN	$65.00000	AGRICULTURAL LIME	$2,015.00
0140	700-8000	31.000	TN	$450.00000	FERTILIZER MIXED GRADE	$13,950.00
0145	700-8100	1550.000	LB	$2.30000	FERTILIZER NITROGEN CONTENT	$3,565.00
					SUBTOTAL FOR EROSION CONTROL:	**$231,030.00**

0300 - SIGN AND MARKING

.ine Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0220	636-1020	200.000	SF	$14.69279	HWY SGN,TP1MAT,REFL SH TP3	$2,938.56
0225	636-1029	112.000	SF	$11.06703	HWY SGN,TP2 MATL,REFL SH TP 3	$1,239.51
0230	636-1033	112.000	SF	$19.86563	HWY SIGNS, TP1MAT,REFL SH TP 9	$2,224.95
0235	636-2070	222.000	LF	$9.71485	GALV STEEL POSTS, TP 7	$2,156.70
0240	636-2080	120.000	LF	$9.13145	GALV STEEL POSTS, TP 8	$1,095.77
0245	636-2090	176.000	LF	$12.20698	GALV STEEL POSTS, TP 9	$2,148.43
0255	652-2501	1.000	LM	$521.52584	SOLID TRAF STRIPE, 5 IN, WHITE	$521.53
0260	652-2502	1.000	LM	$451.58158	SOLID TRAF STRIPE, 5 IN, YELLO	$451.58
0250	654-1001	80.000	EA	$4.64179	RAISED PVMT MARKERS TP 1	$371.34
					SUBTOTAL FOR SIGN AND MARKING:	**$13,148.37**

File Location: Div of Preconstruction > CES

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0009861_ALT2

0400 - BRIDGE

Line Numbe	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0205	540-1101	1.000	LS	$53,295.00000	REM OF EX BR, STA NO - 0009861	$53,295.00
0210	543-9000	1.000	LS	$710,125.00000	CONSTR OF BRIDGE COMPLETE - 0009861	$710,125.00
					SUBTOTAL FOR BRIDGE:	**$763,420.00**

TOTALS FOR JOB 0009861_ALT2

ITEMS COST:	**$2,905,004.43**
COST GROUP COST:	**$0.00**
ESTIMATED COST:	**$2,905,004.43**
CONTINGENCY PERCENT:	**0.00**
ENGINEERING AND INSPECTION:	**0.05**
ESTIMATED COST WITH CONTINGENCY AND E&I:	**$3,050,254.65**

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PROJ. NO.	PE00009861		CALL NO.
P.I. NO.	0009861	Alternate 1	
DATE	6/6/2012		

INDEX (TYPE)	**DATE**	**INDEX**
REG. UNLEADED	Jun-12	$ 3.345
DIESEL		$ 3.808
LIQUID AC		$ 633.00

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)			**33536.34**	**$**	**33,536.34**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 1,012.80		
Monthly Asphalt Cement Price month project let (APL)			$ 633.00		
Total Monthly Tonnage of asphalt cement (TMT)			88.3		

ASPHALT	**Tons**	**%AC**	**AC ton**
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	405	5.0%	20.25
9.5 mm SP		5.0%	0
25 mm SP	858	5.0%	42.9
19 mm SP	503	5.0%	25.15
	1766		**88.3**

BITUMINOUS TACK COAT

Price Adjustment (PA)			**$ 655.77**	**$**	**655.77**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 1,012.80		
Monthly Asphalt Cement Price month project let (APL)			$ 633.00		
Total Monthly Tonnage of asphalt cement (TMT)			1.726630571		

Bitum Tack Gals	gals/ton	tons
402	232.8234	1.72663057

PROJ. NO.	PE00009861		CALL NO.
P.I. NO.	0009861	Alternate 1	
DATE	6/6/2012		

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				**0**	**$ -**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	1,012.80	
Monthly Asphalt Cement Price month project let (APL)			$	633.00	
Total Monthly Tonnage of asphalt cement (TMT)				0	

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

TOTAL LIQUID AC ADJUSTMENT	**$**	**34,192.11**

PROJ. NO.	PE00009861		CALL NO.
P.I. NO.	0009861	Alternate 2	
DATE	6/6/2012		

INDEX (TYPE)	**DATE**	**INDEX**
REG. UNLEADED	Jun-12	$ 3.345
DIESEL		$ 3.808
LIQUID AC		$ 633.00

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)			**133879.5**	**$**	**133,879.50**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 1,012.80		
Monthly Asphalt Cement Price month project let (APL)			$ 633.00		
Total Monthly Tonnage of asphalt cement (TMT)			352.5		

ASPHALT	**Tons**	**%AC**	**AC ton**
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	1612	5.0%	80.6
9.5 mm SP		5.0%	0
25 mm SP	3429	5.0%	171.45
19 mm SP	2009	5.0%	100.45
	7050		**352.5**

BITUMINOUS TACK COAT

Price Adjustment (PA)			**$ 2,623.10**	**$**	**2,623.10**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 1,012.80		
Monthly Asphalt Cement Price month project let (APL)			$ 633.00		
Total Monthly Tonnage of asphalt cement (TMT)			6.906522283		

Bitum Tack Gals	gals/ton	tons
1608	232.8234	6.90652228

ALT 2

PROJ. NO.	PE00009861		CALL NO.
P.I. NO.	0009861	Alternate 2	
DATE	6/6/2012		

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				**0**	**$ -**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	1,012.80	
Monthly Asphalt Cement Price month project let (APL)			$	633.00	
Total Monthly Tonnage of asphalt cement (TMT)				0	

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

TOTAL LIQUID AC ADJUSTMENT	**$**	**136,502.60**

ALT 2

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 7/16/2012 Project: Alternative 1
Revised: County: Bibb
PI: 0009861

Description: Bridge Replacement
Project Termini: Bridge Replacement

Existing ROW: Varies
Parcels: 3 Required ROW: Varies

Land and Improvements		$128,090.25
Proximity Damage	*$30,000.00*	
Consequential Damage	*$15,000.00*	
Cost to Cures	*$0.00*	
Trade Fixtures	*$0.00*	
Improvements	*$45,000.00*	
Valuation Services		$6,000.00
Legal Services		$39,525.00
Relocation		$6,000.00
Demolition		$0.00
Administrative		$28,500.00
TOTAL ESTIMATED COSTS		$208,115.25
TOTAL ESTIMATED COSTS (ROUNDED)		***$209,000.00***

Preparation Credits	Hours	Signature

Prepared By: [signature] CG#: 2866999 07/16/2012
Approved By: [signature] CG#: 2866999 07/16/2012

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

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 1 Bibb 0009861

		A	B	C	D
	Land and Improvements	**Agriculture**	**Residential**	**Commercial**	**Industrial**
1	Estimate Low (ac)	$0.00	$0.00	$0.00	$0.00
2	Estimate High (ac)	$0.00	$0.00	$0.00	$0.00
3	Estimate Used (ac)	$0.00	$0.00	$110,000.00	$0.00
4	Fee Simple Area (ac)	0.00	0.00	0.13	0.00
5	Fee Simple Estimate	$0.00	$0.00	$14,393.50	$0.00
6	Perm Esmt Area (ac)	0.00	0.00	0.20	0.00
7	Perm Esmt Factor	0%	0%	50%	0%
8	Perm Esmt Estimate	$0.00	$0.00	$11,000.00	$0.00
9	Temp Esmt Area (ac)	0.00	0.00	0.00	0.00
10	Temp East Factor	0%	0%	0%	0%
11	Temp Esmt Estimate	$0.00	$0.00	$0.00	$0.00
12	Proximity Damages	$0.00	$0.00	$30,000.00	$0.00
13	Consequential Damages	$0.00	$0.00	$15,000.00	$0.00
14	Cost to Cures	$0.00	$0.00	$0.00	$0.00
15	Improvements	$0.00	$0.00	$45,000.00	$0.00
16	Trade Fixtures	$0.00	$0.00	$0.00	$0.00
17					
18	PROPERTY TYPE TOTALS	$0.00	$0.00	$85,393.50	$0.00
19			SUB TOTAL PROPERTY TYPES		$85,393.50
20			Counter Offers and Condemnation Increases		$42,696.75
21					
22			**GRAND TOTAL LANDS AND IMPROVEMENTS**		$128,090.25

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 1 Bibb 0009861

		A	B	C	D
	Valuation Services	**Agriculture**	**Residential**	**Commercial**	**Industrial**
1	Appraisals (# of Parcels)	0	0	3	0
2	Estimated Fees (per Parcel)	$0.00	$0.00	$2,000.00	$0.00
3	TOTAL APPRAISALS	$0.00	$0.00	$6,000.00	$0.00
4	Sign Estimates	0	0	0	0
5	Estimated Fees	$0.00	$0.00	$0.00	$0.00
6	TOTAL SIGN ESTIMATES	$0.00	$0.00	$0.00	$0.00
7	Specialty Reports	0	0	0	0
8	Estimated Fees	$0.00	$0.00	$0.00	$0.00
9	TOTAL SPECIALTY REPORTS	$0.00	$0.00	$0.00	$0.00
10	Septic/Well Reports	0	0	0	0
11	Estimated Fees	$0.00	$0.00	$0.00	$0.00
12	TOTAL SEPTIC/WELL REPORTS	$0.00	$0.00	$0.00	$0.00
13					
14					
15					
16	TOTAL VALUATION FEES	$0.00	$0.00	$6,000.00	$0.00
17			SUB TOTAL VALUATION SERVICES		$6,000.00
18			Updates and Incidentals (Min $2,500 or 25%)		$2,500.00
19			**GRAND TOTAL VALUATION SERVICES**		$6,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 1 Bibb 0009861

		A	B	C	D
	Legal Services	**Parcels**	**Estimated Fees**		**TOTALS**
1	Meeting with Attorney	3	$125.00		$375.00
2	Preliminary Titles	3	$200.00		$600.00
3	Closing and Final Title	3	$300.00		$900.00
4	Recording Fees	3	$50.00		$150.00
5	Condemnation Filing	1	$5,000.00		$5,000.00
6	Litigation Costs	1	$25,000.00		$25,000.00
7	Updates and Incidentials	1	$7,500.00		$7,500.00
8					
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL LEGAL SERVICES**		$39,525.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 1 Bibb 0009861

		A	B	C	D
	Relocation	**Displacements**	**Estimated Costs**		**TOTALS**
1	Business Displacement		$15,000.00		$0.00
2	Residential Tenant		$20,000.00		$0.00
3	Residential Owner		$40,000.00		$0.00
4	Pro-Rata Taxes	3	$1,000.00		$3,000.00
5	Property Pin Replacement	3	$1,000.00		$3,000.00
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL RELOCATION**		$6,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 1 Bibb 0009861

		A	B	C	D
	Demolition	**Items/Improvements**	**Estimated Costs**		**TOTALS**
1	Residential Structures		$15,000.00		$0.00
2	Commercial Structures		$25,000.00		$0.00
3	Hotels/Apartments		$60,000.00		$0.00
4	UST's - Dispensers		$50,000.00		$0.00
5	Billboards		$8,000.00		$0.00
6	Signs - Light Standards		$1,500.00		$0.00
7	Water Vaults		$15,000.00		$0.00
8	Gas/Water Service Separation		$2,500.00		$0.00
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL DEMOLITION**		$0.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 1 Bibb 0009861

		A	B	C	D
	Administrative	**Parcels**	**Man hours per Parcel**		**TOTALS**
1	Pre-Acquisition	3	40		$6,000.00
2	Acquisition	3	100		$15,000.00
3	Relocation		50		$0.00
4	Administrative Appeals	1	50		$2,500.00
5	Post-Acquisition	1	100		$5,000.00
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL INHOUSE**		$28,500.00

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 7/16/2012 Project: Alternative 2
Revised: County: Bibb
PI: 0009861

Description: Bridge Replacement
Project Termini: Bridge Replacement

Existing ROW: Varies
Parcels: 4 Required ROW: Varies

Land and Improvements		$224,250.00
Proximity Damage	*$50,000.00*	
Consequential Damage	*$25,000.00*	
Cost to Cures	*$0.00*	
Trade Fixtures	*$0.00*	
Improvements	*$75,000.00*	
Valuation Services		$8,000.00
Legal Services		$40,200.00
Relocation		$8,000.00
Demolition		$0.00
Administrative		$35,500.00
TOTAL ESTIMATED COSTS		$315,950.00
TOTAL ESTIMATED COSTS (ROUNDED)		***$316,000.00***

Preparation Credits	Hours	Signature

Prepared By: Anthony Alexander CG#: 2856999 07/16/2012
Approved By: Anthony Alexander CG#: 2856999 07/16/2012

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

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 2 Bibb 0009861

		A	B	C	D
	Land and Improvements	**Agriculture**	**Residential**	**Commercial**	**Industrial**
1	Estimate Low (ac)	$0.00	$0.00	$0.00	$0.00
2	Estimate High (ac)	$0.00	$0.00	$0.00	$0.00
3	Estimate Used (ac)	$0.00	$0.00	$110,000.00	$0.00
4	Fee Simple Area (ac)	0.00	0.00	0.13	0.00
5	Fee Simple Estimate	$0.00	$0.00	$14,300.00	$0.00
6	Perm Esmt Area (ac)	0.00	0.00	0.64	0.00
7	Perm Esmt Factor	0%	0%	50%	0%
8	Perm Esmt Estimate	$0.00	$0.00	$35,200.00	$0.00
9	Temp Esmt Area (ac)	0.00	0.00	0.00	0.00
10	Temp East Factor	0%	0%	0%	0%
11	Temp Esmt Estimate	$0.00	$0.00	$0.00	$0.00
12	Proximity Damages	$0.00	$0.00	$50,000.00	$0.00
13	Consequential Damages	$0.00	$0.00	$25,000.00	$0.00
14	Cost to Cures	$0.00	$0.00	$0.00	$0.00
15	Improvements	$0.00	$0.00	$75,000.00	$0.00
16	Trade Fixtures	$0.00	$0.00	$0.00	$0.00
17					
18	PROPERTY TYPE TOTALS	$0.00	$0.00	$149,500.00	$0.00
19			SUB TOTAL PROPERTY TYPES		$149,500.00
20			Counter Offers and Condemnation Increases		$74,750.00
21					
22			**GRAND TOTAL LANDS AND IMPROVEMENTS**		$224,250.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 2 Bibb 0009861

		A	B	C	D
	Valuation Services	**Agriculture**	**Residential**	**Commercial**	**Industrial**
1	Appraisals (# of Parcels)	0	0	4	0
2	Estimated Fees (per Parcel)	$0.00	$0.00	$2,000.00	$0.00
3	TOTAL APPRAISALS	$0.00	$0.00	$8,000.00	$0.00
4	Sign Estimates	0	0	0	0
5	Estimated Fees	$0.00	$0.00	$0.00	$0.00
6	TOTAL SIGN ESTIMATES	$0.00	$0.00	$0.00	$0.00
7	Specialty Reports	0	0	0	0
8	Estimated Fees	$0.00	$0.00	$0.00	$0.00
9	TOTAL SPECIALTY REPORTS	$0.00	$0.00	$0.00	$0.00
10	Septic/Well Reports	0	0	0	0
11	Estimated Fees	$0.00	$0.00	$0.00	$0.00
12	TOTAL SEPTIC/WELL REPORTS	$0.00	$0.00	$0.00	$0.00
13					
14					
15					
16	TOTAL VALUATION FEES	$0.00	$0.00	$8,000.00	$0.00
17			SUB TOTAL VALUATION SERVICES		$8,000.00
18			Updates and Incidentals (Min $2,500 or 25%)		$2,500.00
19			**GRAND TOTAL VALUATION SERVICES**		$8,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 2 Bibb 0009861

		A	B	C	D
	Legal Services	**Parcels**	**Estimated Fees**		**TOTALS**
1	Meeting with Attorney	4	$125.00		$500.00
2	Preliminary Titles	4	$200.00		$800.00
3	Closing and Final Title	4	$300.00		$1,200.00
4	Recording Fees	4	$50.00		$200.00
5	Condemnation Filing	1	$5,000.00		$5,000.00
6	Litigation Costs	1	$25,000.00		$25,000.00
7	Updates and Incidentials	1	$7,500.00		$7,500.00
8					
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL LEGAL SERVICES**		$40,200.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 2 Bibb 0009861

		A	B	C	D
	Relocation	**Displacements**	**Estimated Costs**		**TOTALS**
1	Business Displacement		$15,000.00		$0.00
2	Residential Tenant		$20,000.00		$0.00
3	Residential Owner		$40,000.00		$0.00
4	Pro-Rata Taxes	4	$1,000.00		$4,000.00
5	Property Pin Replacement	4	$1,000.00		$4,000.00
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL RELOCATION**		$8,000.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 2 Bibb 0009861

		A	B	C	D
	Demolition	**Items/Improvements**	**Estimated Costs**		**TOTALS**
1	Residential Structures		$15,000.00		$0.00
2	Commercial Structures		$25,000.00		$0.00
3	Hotels/Apartments		$60,000.00		$0.00
4	UST's - Dispensers		$50,000.00		$0.00
5	Billboards		$8,000.00		$0.00
6	Signs - Light Standards		$1,500.00		$0.00
7	Water Vaults		$15,000.00		$0.00
8	Gas/Water Service Separation		$2,500.00		$0.00
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL DEMOLITION**		$0.00

Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet

Project/County/PI Alternative 2 Bibb 0009861

		A	B	C	D
	Administrative	**Parcels**	**Man hours per Parcel**		**TOTALS**
1	Pre-Acquisition	4	40		$8,000.00
2	Acquisition	4	100		$20,000.00
3	Relocation		50		$0.00
4	Administrative Appeals	1	50		$2,500.00
5	Post-Acquisition	1	100		$5,000.00
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17			**GRAND TOTAL INHOUSE**		$35,500.00

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE **Project #N/A, Bibb County, P.I. # 0009861**
Bridge Replacement SR 11/SR 49/US 41 @ Rocky Creek

OFFICE Thomaston

DATE July 20, 2012

FROM Kerry Gore, District Utilities Engineer

TO Chad White, Project Manager

SUBJECT **PRELIMINARY UTILITY COST (ESTIMATE)**

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimate for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON-REIMBURSABLE	REIMBURSABLE
Atlanta Gas Light	75,000	0
BellSouth d/b/a AT&T Georgia	No Conflict	0
Central Georgia EMC	No Facilities	0
Epic Midstream	No Facilities	0
Flint EMC	No Facilities	0
Georgia Power (Distribution)	No Conflict	0
Level (3) Communications	No Facilities	0
Macon Water Authority	No Conflict	0
Public Service Telephone	No Facilities	0
Suburban Cable	No Facilities	0
Windstream	No Conflict	0
TOTALS	**$ 75,000**	**$ 0**

Total Preliminary Utility Cost Estimate **$75,000**.

If you have any questions, please contact Kerry Gore at 706-646-6692.

KG/pls

cc: Jeff Baker, P.E., State Utilities Engineer *(via: e-mail)*
Angela Robinson, Office of Financial Management *(via: e-mail)*
Sheldon Minor, Area Engineer *(via: e-mail)*

Roadway Design Office Environmental Mitigation Cost Estimate Correspondence

BY: Dwayne Wilson
DATE: July 16-17, 2012
SUBJECT: PI# 0009861 Bibb county: SR11/SR49/US41 @ Rocky Creek Bridge Replacement
Location: Electronic Dialogue

ATTENDEES:

Sam Woods	Design Group Manager	404-631-1724
Dwayne Wilson	Roadway Designer	404-631-1720
Chad White	Project Manager	404-631-1718
Lisa Westberry	Special Projects Coordinator	404-631-1772

- Sam Woods opened the dialogue by inquiring about the Environmental Cost Estimate.
- Ms. Westberry then gave the general breakdown:
    - PI 009861 is located on SR 11 south of Macon, Georgia in Bibb County. The project would replace the bridges over Rocky Creek and Rocky Creek overflow along with the bridges over Tobesofkee Creek and Tobesofkee Creek overflow. I reviewed the NWI mapping and based on the information I was provided, wetlands would be impacted and mitigation would be required. The estimated cost for mitigation is $1,440,000.
- Mr. Woods then advised Ms. Westberry about our two alternatives and the need for an estimate for both.
- Ms. Westberry then gave the following breakdown:
    - My information was based on the attached email. The assumption I was making was that a temporary detour would be done as a part of the replacement. So the second alternative you discuss below is how I came up with the estimate. The estimate will be much lower if we build under traffic. The estimated cost per credit in this basin is $18,000 if that helps.
- Mr. Woods then restated Ms. Westberry's comment for clarity and gave the following breakdown.
    - We will use your estimate below (80 credits @ $18,000/credit = $1,440,000) for the temporary detour option. This will be referred to as "Alternate 2" in the concept report.We will use the same unit price and assume 15 credits (15 credits @ $18,000/credit = $270,000) for staging the bridge construction without a detour. This will be referred to as "Alternate 1" in the concept report.

Action Items:

- Mr. Wilson will add the environmental cost estimate to the concept report

cc: All Attendees

Accident Rate Calculations for 2006, 2007, and 2008

Accident Rate Calculations 2006

ACCIDENT RATE CALCULATION 2006

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2006	Bibb	1	001100	6.50	7.09	46,420	0.59	27,388
2006	Bibb	1	001100	7.09	7.8	11,270	0.71	8,002
2006	Bibb	1	001100	7.8	9.07	9,260	1.27	11,760
2006	Bibb	1	001100	6.08	7.09	46,420	1.01	46,884
2006	Bibb	1	001100	7.09	7.8	11,270	0.71	8,002
2006	Bibb	1	001100	7.8	8.00	9,260	0.20	1,852

Total Vehicle Miles: 103,888	Total Accidents: 32	Accident Rate: 84
Average ADT: 23,138	Total Injuries: 24	Injury Rate: 63
Length in Miles: 4.49	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

Accident Rate Calculations 2007

ACCIDENT RATE CALCULATION 2007

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2007	Bibb	1	001100	6.50	7.09	38,750	0.59	22,862
2007	Bibb	1	001100	7.09	7.8	10,570	0.71	7,505
2007	Bibb	1	001100	7.8	8.00	10,190	0.20	2,038

Total Vehicle Miles: 32,405	Total Accidents: 37	Accident Rate: 313
Average ADT: 21,603	Total Injuries: 32	Injury Rate: 271
Length in Miles: 1.50	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

Accident Rate Calculations 2008

ACCIDENT RATE CALCULATION 2008

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2008	Bibb	1	001100	6.50	7.09	38,750	0.59	22,862
2008	Bibb	1	001100	7.09	7.8	10,570	0.71	7,505
2008	Bibb	1	001100	7.8	8.00	10,190	0.20	2,038

Total Vehicle Miles: 32,405	Total Accidents: 36	Accident Rate: 304
Average ADT: 21,603	Total Injuries: 20	Injury Rate: 169
Length in Miles: 1.50	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

QUERY SUMMARY

For Year(s): 2006,2007,2008

Year	County	Route Type	Route Number	Beginning Milelog	Ending Milelog	No. Accidents	No. Vehicles	No. Injuries	No. Fatalities
2006	Bibb	State Route	001100	6.50	8.00	32	69	24	0
					2006 SubTotal	32	69	24	0
2007	Bibb	State Route	001100	6.50	8.00	37	81	32	0
					2007 SubTotal	37	81	32	0
2008	Bibb	State Route	001100	6.50	8.00	36	72	20	0
					2008 SubTotal	36	72	20	0
					All Year(s)Total	**105**	**222**	**76**	**0**

YEAR	ALL ACCIDENTS RATE	INJURY ACCIDENTS RATE	FATAL ACCIDENTS
2006	84(494)	63 (185)	0(1.52)
2007	313(495)	271(179)	0(1.33)
2008	304(473)	169 (171)	0(1.26)

Note: The rate equals accidents per 100 million vehicle-miles of travel. The rates shown above were generated for SR 11/SR 49/US 41 from mile point 6.50 to mile point 8.00. Numbers in parentheses are statewide average rates for Urban Principal Arterial.

Crash Data

The functional classification for SR 11/SR 49/US 41 within the proposed project's limits is Urban Principal Arterial. The accident rates on SR 11/SR 49/US 41 are below the statewide injury accident rates on Urban Principal Arterial in 2006, 2007 and 2008. The injury rate was a bit higher than the statewide rate in 2007. There were no fatalities reported on this section of SR 11/SR 49/US 41 from 2006-2008.

NO BUILD = BUILD
Department of Transportation
State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. 0009861
Bibb County

OFFICE Planning

DATE January 23, 2012

FROM Cindy VanDyke, State Transportation Planning Administrator

TO Bobby Hilliard, P.E., State Program Delivery Engineer
Attention: Chad White

SUBJECT Traffic Assignments for **SR 11/SR 49/US 41 @ Rocky Creek.**

We are furnishing estimated Traffic Assignments for the above project as follows:

	TC# 0012
2009 ADT	38850
2017 ADT	40450
2037 ADT	49400
2009 DHV	3500
2017 DHV	3650
2037 DHV	4450
D	60%
K	9%
T	9.5%
S.U.	6.5%
COMB.	3%
24 HR. T.	13%
S.U.	8%
COMB.	5%

If you have any questions concerning this information please contact Leslie R. Woods at (404) 631-1773.

CLV/LRW

Traffic Projections/Forecasting Summary Sheet

P.I. # 0009861

Bibb County

The counts were taken from 2009 bridge counts.

Growth Factors

Growth for Build	***Growth for No Build***
Existing Year to Base Year 0.5%	Existing to Base Year 0.5%
Base Year to Design Year 1.0%	Base to Design Year 1.0%
K = 9%	K = 9%
D = 60%	D = 60%

Assumptions

- Looked at 4-year trend between 2005 and 2009.
- Used ARC projections for Bibb County as an additional tool (0.5%).

Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0001-0 **Bibb** **SUFF. RATING:** 80.04

Location & Geography

Structure ID:	021-0001-0
200 Brdge Information:	04
*6A Feature Int:	TOBESOFKEE CREEK
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 NBL, SR 49
9 Location:	SOUTH EDGE MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 03/29/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 11/26/2007
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	00000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 45.7462 HMMS Prefix:SR
*17 Longtitude:	83 -39.6995 HMMS Suffix:00 MP:6.17
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	R
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.46
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	sgm
* Location ID No:	021-00011D-006.46N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	4
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1943
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	0
*42 Type of Service On:	1
Type of Service Under:	5
214 Movable Bridge:	0
203 Type Bridge:	O
259 Pile Encasement	3
*43 Structure Type Main:	2 01
45 No.Spans Main:	007
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	1 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	2
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	0
Curb Material:	0
239 Handrail	9 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	6
Fwrd:	6
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	3
224 Retaining Wall:	1
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	23
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0001-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	000000000000000000000000
250 Approval Status:	0000
251 PI Number:	0000000
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	00 0
94 Bridge Imp: Cost:	$0
95 Roadway Imp. Cost:	0
96 Total Imp Cost:	0
76 Imp Length:	000000
97 Imp Year:	0000
114Furure ADT:	058125 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	0000.0 Freq:00
Avg Streambed Elev:	0000.0
Drainage Area:	00000
Area of Opening:	000000
113 Scour Critical	U
216Water Depth:	6.5 Br.Height:12.5
222Slope Protection:	7
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:WSR
Location ID No:	021-00011D-006.46N

Measurements:

*29ADT	038750 Year:2007
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0024
* 49 Structure Length:	144
51 Br. Rwdy. Width	50.00
52 Deck Width:	53.40
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.00 / 0.00
32 Approach Rdwy. Width	049
*229 Shoulder Width:	
Rear Lt:	1.00 Type:2 Rt:12.50
Fwd. Lt:	1.00 Type:2 Rt:12.50
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	1
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	14.00
Deck Thick Approach:	0.00
246 Overlay Thickness:	3.00
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 24
64 Operating Type:	2 Rating: 24
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	28 0
Type 3s2:	40 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	20
262 H Operating Rating	34
67 Structural Evaluation:	5
58 Deck Condition:	6
59 Superstructure Condition:	6
* 227 Collision Damage:	0
60A Substructure Condition:	6
60B Scour Condition:	6
60C Underwater Condition	6
71 Waterway Adequacy:	8
61 Channel Protection Cond.:	7
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0002-0 **Bibb** **SUFF. RATING:** 79.84

Location & Geography

Structure ID:	021-0002-0
200 Brdge Information:	04
*6A Feature Int:	TOBESOFKEE CREEK
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 SBL, SR 49
9 Location:	SOUTH EDGE MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 03/29/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 11/26/2007
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	00000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 45.7442 HMMS Prefix:SR
*17 Longtitude:	83 -39.6850 HMMS Suffix:00 MP:6.18
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	L
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.47
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	sgm
* Location ID No:	021-00011D-006.47N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	2
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1924
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	6
*42 Type of Service On:	1
Type of Service Under:	5
214 Movable Bridge:	0
203 Type Bridge:	O
259 Pile Encasement	3
*43 Structure Type Main:	2 04
45 No.Spans Main:	003
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	0 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	1
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	1
Curb Material:	1
239 Handrail	1 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	7
Fwrd:	0
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	3
224 Retaining Wall:	1
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	00
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0002-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	000000000000000000000000
250 Approval Status:	0000
251 PI Number:	0000000
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	34 1
94 Bridge Imp: Cost:	$207
95 Roadway Imp. Cost:	77
96 Total Imp Cost:	347
76 Imp Length:	000314
97 Imp Year:	1990
114Furure ADT:	058125 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	0000.0 Freq:00
Avg Streambed Elev:	0000.0
Drainage Area:	00000
Area of Opening:	000000
113 Scour Critical	U
216Water Depth:	10.1 Br.Height:8.2
222Slope Protection:	1
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:WSR
Location ID No:	021-00011D-006.47N

Measurements:

*29ADT	038750 Year:2007
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0034
* 49 Structure Length:	102
51 Br. Rwdy. Width	50.30
52 Deck Width:	53.70
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.60 / 0.00
32 Approach Rdwy. Width	046
*229 Shoulder Width:	
Rear Lt:	7.00 Type:2 Rt:3.00
Fwd. Lt:	7.00 Type:2 Rt:3.00
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	2
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	7.00
Deck Thick Approach:	0.00
246 Overlay Thickness:	5.00
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 34
64 Operating Type:	2 Rating: 34
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	26 0
Type 3s2:	39 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	15
262 H Operating Rating	25
67 Structural Evaluation:	5
58 Deck Condition:	6
59 Superstructure Condition:	5
* 227 Collision Damage:	0
60A Substructure Condition:	5
60B Scour Condition:	7
60C Underwater Condition	7
71 Waterway Adequacy:	6
61 Channel Protection Cond.:	7
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0003-0 **Bibb** **SUFF. RATING:** 93.09

Location & Geography

Structure ID:	021-0003-0
200 Brdge Information:	04
*6A Feature Int:	TOBESOFKEE CREEK O/F
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 NBL, SR 49
9 Location:	SOUTH EDGE OF MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 04/13/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 11/26/2007
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	00000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 45.9442 HMMS Prefix:SR
*17 Longtitude:	83 -39.6545 HMMS Suffix:00 MP:6.44
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	R
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.69
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	sgm
* Location ID No:	021-00011D-006.69N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	4
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1943
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	0
*42 Type of Service On:	1
Type of Service Under:	9
214 Movable Bridge:	0
203 Type Bridge:	I
259 Pile Encasement	3
*43 Structure Type Main:	2 01
45 No.Spans Main:	006
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	1 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	2
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	0
Curb Material:	0
239 Handrail	9 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	6
Fwrd:	6
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	0
224 Retaining Wall:	0
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	23
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0003-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	000000000000000000000000
250 Approval Status:	0000
251 PI Number:	0000000
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	00 0
94 Bridge Imp: Cost:	$0
95 Roadway Imp. Cost:	0
96 Total Imp Cost:	0
76 Imp Length:	000000
97 Imp Year:	0000
114Furure ADT:	058125 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	0000.0 Freq:00
Avg Streambed Elev:	0000.0
Drainage Area:	00215
Area of Opening:	001203
113 Scour Critical	U
216Water Depth:	6 Br.Height:12.4
222Slope Protection:	7
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:WSR
Location ID No:	021-00011D-006.69N

Measurements:

*29ADT	038750 Year:2007
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0024
* 49 Structure Length:	120
51 Br. Rwdy. Width	50.00
52 Deck Width:	53.40
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.00 / 0.00
32 Approach Rdwy. Width	049
*229 Shoulder Width:	
Rear Lt:	1.00 Type:2 Rt:12.50
Fwd. Lt:	1.00 Type:2 Rt:12.50
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	1
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	12.70
Deck Thick Approach:	0.00
246 Overlay Thickness:	3.00
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 47
64 Operating Type:	2 Rating: 47
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	28 0
Type 3s2:	40 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	20
262 H Operating Rating	33
67 Structural Evaluation:	6
58 Deck Condition:	7
59 Superstructure Condition:	7
* 227 Collision Damage:	0
60A Substructure Condition:	6
60B Scour Condition:	6
60C Underwater Condition	6
71 Waterway Adequacy:	8
61 Channel Protection Cond.:	7
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0004-0 **Bibb** **SUFF. RATING:** 68.50

Location & Geography

Structure ID:	021-0004-0
200 Brdge Information:	04
*6A Feature Int:	TOBESOFKEE CREEK O/F
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 SBL, SR 49
9 Location:	SOUTH EDGE OF MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 04/19/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 11/26/2007
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	00000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 45.9408 HMMS Prefix:SR
*17 Longtitude:	83 -39.6408 HMMS Suffix:00 MP:6.45
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	L
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.70
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	sgm
* Location ID No:	021-00011D-006.70N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	2
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1924
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	0
*42 Type of Service On:	1
Type of Service Under:	9
214 Movable Bridge:	0
203 Type Bridge:	I
259 Pile Encasement	3
*43 Structure Type Main:	1 04
45 No.Spans Main:	003
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	1 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	1
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	1
Curb Material:	1
239 Handrail	1 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	7
Fwrd:	0
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	3
224 Retaining Wall:	1
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	00
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0004-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	000000000000000000000000
250 Approval Status:	0000
251 PI Number:	0000000
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	34 1
94 Bridge Imp: Cost:	$206
95 Roadway Imp. Cost:	77
96 Total Imp Cost:	345
76 Imp Length:	000313
97 Imp Year:	1990
114Furure ADT:	058125 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	3800.0 Freq:50
Avg Streambed Elev:	0000.0
Drainage Area:	00210
Area of Opening:	000633
113 Scour Critical	U
216Water Depth:	06.5 Br.Height:09.0
222Slope Protection:	1
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:WSR
Location ID No:	021-00011D-006.70N

Measurements:

*29ADT	038750 Year:2007
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0039
* 49 Structure Length:	103
51 Br. Rwdy. Width	50.30
52 Deck Width:	53.70
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.60 / 0.00
32 Approach Rdwy. Width	046
*229 Shoulder Width:	
Rear Lt:	7.00 Type:2 Rt:3.00
Fwd. Lt:	7.00 Type:2 Rt:3.00
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	2
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	7.00
Deck Thick Approach:	0.00
246 Overlay Thickness:	4.00
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 24
64 Operating Type:	2 Rating: 24
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	26 0
Type 3s2:	39 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	15
262 H Operating Rating	25
67 Structural Evaluation:	5
58 Deck Condition:	7
59 Superstructure Condition:	5
* 227 Collision Damage:	0
60A Substructure Condition:	6
60B Scour Condition:	6
60C Underwater Condition	7
71 Waterway Adequacy:	6
61 Channel Protection Cond.:	6
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0005-0 **Bibb** **SUFF. RATING:** 93.09

Location & Geography

Structure ID:	021-0005-0
200 Brdge Information:	04
*6A Feature Int:	ROCKY CREEK OVERFLOW
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 NBL, SR 49
9 Location:	SOUTH EDGE OF MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 04/13/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 11/26/2007
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	00000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 46.0738 HMMS Prefix:SR
*17 Longtitude:	83 -39.6205 HMMS Suffix:00 MP:6.59
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	R
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.84
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	sgm
* Location ID No:	021-00011D-006.84N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	4
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1943
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	0
*42 Type of Service On:	1
Type of Service Under:	5
214 Movable Bridge:	0
203 Type Bridge:	I
259 Pile Encasement	3
*43 Structure Type Main:	2 01
45 No.Spans Main:	007
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	0 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	2
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	0
Curb Material:	0
239 Handrail	9 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	6
Fwrd:	6
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	3
224 Retaining Wall:	0
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	23
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0005-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	000000000000000000000000
250 Approval Status:	0000
251 PI Number:	0000000
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	00 0
94 Bridge Imp: Cost:	$0
95 Roadway Imp. Cost:	0
96 Total Imp Cost:	0
76 Imp Length:	000000
97 Imp Year:	0000
114Furure ADT:	058125 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	0000.0 Freq:50
Avg Streambed Elev:	3800.0
Drainage Area:	00215
Area of Opening:	000639
113 Scour Critical	U
216Water Depth:	08.4 Br.Height:12.6
222Slope Protection:	7
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:WSR
Location ID No:	021-00011D-006.84N

Measurements:

*29ADT	038750 Year:2007
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0024
* 49 Structure Length:	144
51 Br. Rwdy. Width	50.00
52 Deck Width:	53.40
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.00 / 0.00
32 Approach Rdwy. Width	049
*229 Shoulder Width:	
Rear Lt:	1.00 Type:2 Rt:12.50
Fwd. Lt:	1.00 Type:2 Rt:12.50
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	1
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	12.00
Deck Thick Approach:	0.00
246 Overlay Thickness:	2.50
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 47
64 Operating Type:	2 Rating: 47
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	28 0
Type 3s2:	40 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	20
262 H Operating Rating	33
67 Structural Evaluation:	6
58 Deck Condition:	7
59 Superstructure Condition:	7
* 227 Collision Damage:	0
60A Substructure Condition:	6
60B Scour Condition:	6
60C Underwater Condition	7
71 Waterway Adequacy:	8
61 Channel Protection Cond.:	7
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0006-0 **Bibb** **SUFF. RATING:** 70.00

Location & Geography

Structure ID:	021-0006-0
200 Brdge Information:	04
*6A Feature Int:	ROCKY CREEK OVERFLOW
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 SBL, SR 49
9 Location:	SOUTH EDGE OF MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 04/19/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 11/26/2007
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	00000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 46.0723 HMMS Prefix:SR
*17 Longtitude:	83 -39.607 HMMS Suffix:00 MP:6.60
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	L
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.85
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	sgm
* Location ID No:	021-00011D-006.85N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	2
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1924
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	0
*42 Type of Service On:	1
Type of Service Under:	5
214 Movable Bridge:	0
203 Type Bridge:	I
259 Pile Encasement	3
*43 Structure Type Main:	2 04
45 No.Spans Main:	003
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	0 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	1
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	1
Curb Material:	5
239 Handrail	1 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	7
Fwrd:	0
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	3
224 Retaining Wall:	1
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	00
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0006-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	000000000000000000000000
250 Approval Status:	0000
251 PI Number:	0000000
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	34 1
94 Bridge Imp: Cost:	$206
95 Roadway Imp. Cost:	77
96 Total Imp Cost:	345
76 Imp Length:	000313
97 Imp Year:	1990
114Furure ADT:	058125 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	0000.0 Freq:00
Avg Streambed Elev:	0000.0
Drainage Area:	00000
Area of Opening:	000000
113 Scour Critical	U
216Water Depth:	07.0 Br.Height:09.0
222Slope Protection:	1
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:WSR
Location ID No:	021-00011D-006.85N

Measurements:

*29ADT	038750 Year:2007
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0034
* 49 Structure Length:	102
51 Br. Rwdy. Width	50.30
52 Deck Width:	53.70
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.60 / 0.00
32 Approach Rdwy. Width	046
*229 Shoulder Width:	
Rear Lt:	7.00 Type:2 Rt:3.00
Fwd. Lt:	7.00 Type:2 Rt:3.00
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	2
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	7.00
Deck Thick Approach:	0.00
246 Overlay Thickness:	3.50
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 25
64 Operating Type:	2 Rating: 25
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	28 0
Type 3s2:	40 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	15
262 H Operating Rating	26
67 Structural Evaluation:	5
58 Deck Condition:	6
59 Superstructure Condition:	5
* 227 Collision Damage:	0
60A Substructure Condition:	5
60B Scour Condition:	6
60C Underwater Condition	7
71 Waterway Adequacy:	6
61 Channel Protection Cond.:	7
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0007-0 **Bibb** **SUFF. RATING:** 81.66

Location & Geography

Structure ID:	021-0007-0
200 Brdge Information:	04
*6A Feature Int:	ROCKY CREEK
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 NBL, SR 49
9 Location:	SOUTH EDGE OF MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 04/20/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 11/27/2007
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	49000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 46.1327 HMMS Prefix:SR
*17 Longtitude:	83 -39.5910 HMMS Suffix:00 MP:6.66
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	R
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.90
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	sgm
* Location ID No:	021-00011D-006.90N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	4
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1943
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	0
*42 Type of Service On:	1
Type of Service Under:	5
214 Movable Bridge:	0
203 Type Bridge:	I
259 Pile Encasement	3
*43 Structure Type Main:	2 01
45 No.Spans Main:	008
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	0 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	2
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	0
Curb Material:	0
239 Handrail	9 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	6
Fwrd:	0
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	3
224 Retaining Wall:	0
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	23
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0007-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	000000000000000000000000
250 Approval Status:	0000
251 PI Number:	0000000
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	00 0
94 Bridge Imp: Cost:	$0
95 Roadway Imp. Cost:	0
96 Total Imp Cost:	0
76 Imp Length:	000000
97 Imp Year:	0000
114Furure ADT:	058125 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	0000.0 Freq:00
Avg Streambed Elev:	0000.0
Drainage Area:	00000
Area of Opening:	000000
113 Scour Critical	U
216Water Depth:	12.6 Br.Height:13.0
222Slope Protection:	7
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:WSR
Location ID No:	021-00011D-006.90N

Measurements:

*29ADT	038750 Year:2007
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0024
* 49 Structure Length:	168
51 Br. Rwdy. Width	50.00
52 Deck Width:	53.40
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.00 / 0.00
32 Approach Rdwy. Width	049
*229 Shoulder Width:	
Rear Lt:	1.00 Type:2 Rt:12.50
Fwd. Lt:	1.00 Type:2 Rt:12.50
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	1
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	12.00
Deck Thick Approach:	0.00
246 Overlay Thickness:	3.00
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 47
64 Operating Type:	2 Rating: 47
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	28 0
Type 3s2:	40 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	20
262 H Operating Rating	33
67 Structural Evaluation:	5
58 Deck Condition:	6
59 Superstructure Condition:	6
* 227 Collision Damage:	0
60A Substructure Condition:	5
60B Scour Condition:	6
60C Underwater Condition	6
71 Waterway Adequacy:	8
61 Channel Protection Cond.:	7
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Processed Date:4/25/2012

Parameters: Bridge Serial Num

Bridge Inventory Data Listing

Structure ID:021-0008-0 **Bibb** **SUFF. RATING:** 35.83

Location & Geography

Structure ID:	021-0008-0
200 Brdge Information:	04
*6A Feature Int:	ROCKY CREEK
*6B Critical Bridge:	0
*7A Route No Carried:	SR00011
*7B Facility Carried:	US 41 SBL, SR 49
9 Location:	SOUTH EDGE OF MACON C.L.
2 Dot District:	3
207 Year Photo:	2010
*91 Inspection Frequency:	24 Date: 04/20/2010
92A Fract Crit Insp Freq:	0 Date: 02/01/1901
92B Underwater Insp Freq:	1 Date: 12/12/2011
92C Other Spc. Insp Freq:	0 Date: 02/01/1901
* 4 Place Code:	49000
*5 Inventory Route(O/U):	1
Type:	2
Designation:	1
Number:	00041
Direction:	0
*16 Latitude:	32 - 46.1357 HMMS Prefix:SR
*17 Longtitude:	83 -39.6033 HMMS Suffix:00 MP:6.67
98 Border Bridge:	000%Shared:00
99 ID Number:	000000000000000
*100 STRAHNET:	3
12 Base Highway Network:	1
13A LRS Inventory Route:	211001100
13B Sub Inventory Route:	3
101 parellel Structure:	L
*102 Direction of Traffic:	1
*264 Road Inventory Mile Post:	006.91
*208 Inspection Area:	3 Initials: EFP
Engineer's Initials:	SGM
* Location ID No:	021-00011D-006.91N

*104 Highway System:	1
*26 Functional Classification:	14
*204 Federal Route Type:	F No: 00023
105 Federal Lands Highway:	0
*110 Truck Route:	0
2006 School Bus Route:	1
217 Benchmark Elevation:	0000.00
218 Datum:	0
*19 Bypass Length:	01
*20 Toll:	3
*21 Maintanance:	01
*22 Owner:	01
*31 Design Load:	2
37 Historical Significance:	5
205 Congressional District:	08
27 Year Constructed:	1924
106 Year Reconsrtucted:	1985
33 Bridge Medium:	1
34 Skew:	00
35 Structure Flared:	0
38 Navigation Control:	0
213 Special Steel Design:	0
267 Type of Paint:	0
*42 Type of Service On:	1
Type of Service Under:	5
214 Movable Bridge:	0
203 Type Bridge:	O
259 Pile Encasement	3
*43 Structure Type Main:	1 04
45 No.Spans Main:	003
44 Structure Type Appr:	0 00
46 No Spans Appr:	0000
226 Bridge Curve Horz	0 Vert: 0
111 pier Protection	0
107 Deck Structure Type:	1
108 Wearing Structure Type:	6
Membrane Type:	0
Deck Protection:	8

Signs & Attachments

225 Expansion Joint Type:	02
242 Deck Drains:	1
243 Parapet Location:	0
Height:	0
Width:	0
238 Curb Height:	1
Curb Material:	1
239 Handrail	1 9
*240 Medium Barrier Rail:	0
241 Bridge Median Height:	0
* Bridge Median Width:	0
230 Guardrail Loc. Dir. Rear:	7
Fwrd:	7
Oppo. Dir. Rear:	0
Oppo. Fwrd:	0
244 Aproach Slab	3
224 Retaining Wall:	1
233Posted Speed Limit:	55
236 Warning Sign:	0.00
234 Delineator:	1.00
235 Hazzard Boards:	1
237 Utilities Gas:	00
Water:	00
Electric:	00
Telephone:	00
Sewer:	00
247 Lighting Street:	0
Navigation:	0
Aerial:	0
*248 County Continuity No.:	09

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Bridge Inventory Data Listing

Structure ID:021-0008-0

Programming Data

201 Project No:	TSAPF-2-3 (5) CT.5
202 Plans Available:	4
249 Prop Proj No:	0009861
250 Approval Status:	0000
251 PI Number:	0009861
252 Contract Date:	02/01/1901
260 Seismic No:	00000
75 Type Work:	00 0
94 Bridge Imp: Cost:	$0
95 Roadway Imp. Cost:	0
96 Total Imp Cost:	0
76 Imp Length:	000000
97 Imp Year:	0000
114Furure ADT:	058320 Year:2030

Hydralic Data

215Waterway Data:	
High Water Elev:	0000.0 Year:1900
Flood Elev:	0000.0 Freq:00
Avg Streambed Elev:	0000.0
Drainage Area:	00000
Area of Opening:	000000
113 Scour Critical	U
216Water Depth:	19.0 Br.Height:09.0
222Slope Protection:	1
221Slope Protection	0 Fwd:0
219Fender System	0
220Dolphin:	0
223Current Cover:	000
Type:	0
No. Barrels:	0
* Width:	0.00 Height:0.00
* Length:	0 Apron:0
265 U/W Insp. Area	2 Diver:JWO
Location ID No:	021-00011D-006.91N

Measurements:

*29ADT	038880 Year:2010
109%Trucks:	0
* 28 Lanes On:	03 Under:00
210 No. Tracks On:	00 Under:00
* 48 Max. Span Length	0034
* 49 Structure Length:	102
51 Br. Rwdy. Width	50.30
52 Deck Width:	53.70
* 47 Tot. Horiz. Cl:	50
50 Curb / Sidewalk Width	0.60 / 0.00
32 Approach Rdwy. Width	047
*229 Shoulder Width:	
Rear Lt:	7.00 Type:2 Rt:4.00
Fwd. Lt:	7.00 Type:2 Rt:4.00
Permanent Width:	
Rear:	36.00 Type:2
	36.00 Type:2
Intersaction Rear:	0 Fwd: 0
36Safety Features Br. Rail:	2
Transition:	2
App. G. Rail:	2
App. Rail End:	2
53 Minimum Cl. Over:	99' 99 "
Under:	
*228 Minimum Vertical Cl	
Act. Odm Dir::	99' 99"
Oppo. Dir:	99' 99"
Posted Odm. Dir:	00' 00"
Oppo. Dir:	00' 00"
55 Lateral Undercl. Rt:	N 0 0
56 Lateral Undercl. Lt:	0.00
*10 Max Min Vert Cl:	99' 99" Dir:0
39 Nav Vert Cl:	000 Horiz:0000
116 Nav Vert Cl Closed:	000
245 Deck Thickness Main	7.00
Deck Thick Approach:	0.00
246 Overlay Thickness:	3.50
212 Year Last Painted:	Sup:0000Sub:0000

65 Inventory Rating Mathod:	1
63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 25
64 Operating Type:	2 Rating: 25
231Calculated Loads:	
H-Modified:	20 0
HS-Modified:	25 0
Type 3:	26 0
Type 3s2:	39 0
Timber:	36 0
Piggyback:	40 0
261 H Inventory Rating:	15
262 H Operating Rating	25
67 Structural Evaluation:	3
58 Deck Condition:	7
59 Superstructure Condition:	6
* 227 Collision Damage:	0
60A Substructure Condition:	3
60B Scour Condition:	3
60C Underwater Condition	3
71 Waterway Adequacy:	8
61 Channel Protection Cond.:	7
68 Deck Geometry:	6
69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	8
62 Culvert:	N

Posting Data

70 Bridge Posting Required	5
41 Struct Open, Posted, CL:	A
* 103 Temporary Structure:	0
232 Posted Loads	
H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback	00
253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM

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Meeting Minutes

6-20-2012
0009861, Bibb County
Concept Meeting

Attendees

Chad E. White Sr.-Program Delivery (Project Manager)
Sam Woods-Roadway Design Group Leader
Dwayne Wilson-Roadway Design
Lashone Alexander–Right of Way
Frank Scott- Environmental Services
Pamela Baughman-Environmental Services
Jason Mobley –District 3 Preconstruction
Carol Perry –District 3 Right of Way
Kerry Gore –District 3 Utilities
Greg Smith –District 3 Location
Sheldon-Minor-Area 4, District 3 Engineer
Kevin Ellis –Assistant Area 4, District Engineer
David English –Engineer Services
Daniel Chastain –Engineer Services
Chris Hardy- Georgia Power
Kelly Keevan-Atlanta Gas light (AGL)
Chet Demmon-Windstream
Jim Johnson- City of Macon
Bob Rychel- Middle GA. Regional Commission

*Bill DuVall- Bridge Design Assistant State Engineer
**Attendance by video conference call*

- The Project Manager (PM) Chad E. White introduced the Project P.I. 0009861 bridge replacement SR11/SR49/US41 @ Rocky Creek.
- The PM indicated that the schedule is as follows.
    - Right of Way (R/W) Approval by 3/15/2015
    - Management LET date 3/07/2014

- A question was posed as to why all of the bridges on the corridor are not being replaced, considering the impacts from flooding that occurred in 1994.
    - The southbound bridge over Rocky Creek is the only of the eight bridges in this area with a sufficiency rating that warrants replacement.

- Dwayne Wilson gave an overview of the project, went through the concept report, and briefly explained the staging layout. It was clarified during the meeting that the layout shown represents options for shifting traffic to the northbound lanes.
- If the results of the survey and hydraulic study allow the preferred alternate to remain (stage constructing the new bridge), traffic will not need to be shifted to the northbound lanes.
    - Alternatives were discussed and rationale for preferred alternative along with constraints was mentioned (the need for survey to have a conclusive decision on how project will be staged).
    - Mr. Duval added that the Hydraulic study will also be needed in conjunction with the survey, to determine the high water elevation, which will be one constraint on the vertical alignment.
    - Frank Scott stated that project site has wetlands all around and that wetland mitigation and a 404 permit are expected on this project. Frank advised that this project is in an Ozone non-attainment area and the possibility of the bridge being historic (built in 1924, last modification in 1985). No Environmental Justice issues are expected and UST should not be an issue either.
    - Pamela Baughman mentioned that the Ocmulgee Traditional Cultural Property is in close proximity to the project. Any Row/Easement acquired may have archeological environmental impacts.
    - It was mentioned that PCB signs are posted near the bridges; Mr. Frank Scott advised that no issue should arise from this.
- Utility representatives for Windstream, AGL, and Ga. Power gave input:
    - Windstream mentioned that they have fiber optic on the northbound section and based on the preferred alternate, they do not expect any conflicts.
    - Ga. Power also did not anticipate any conflicts.
    - AGL advised that there are likely no conflicts because their equipment is buried and on the northbound side of the corridor.
    - Mr. Gore advised that a layout will be needed for a concept cost estimate.
- Mr. Duval posed questions in regards to design speed, staging lanes, and State Bike Route. wanted to know if a corridor with such high traffic volume would be on a bike route (wanted to know for sure to implement bike provisions on bridge now)
    - Mr. Wilson advised the design speed is 55 mph, and the staging concept (if needed) is to maintain at least two lanes in each direction. This roadway is on the State Bicycle System; bicycle accommodations (bikeable shoulders, not a dedicated bike lane) will be made if practical.

        - Mr. Duval responded that a taller bridge barrier would be used if bicycles need to be accommodated.
- Carol Perry had ROW concerns for sediment basins, erosion control, utilities, etc.
    - Mr. Woods advised that we did not expect to have a sediment basin and BMP's would be placed as required, expected to be within existing ROW.
- Mr. Chad White closed the meeting.

Action Items:

- Concept updated to reflect yes for ozone non-attainment area
- State Bike Map checked and shows corridor to be on State Bike route 10

Roadway Design Office Bridge Coordination Correspondence

BY: Dwayne Wilson
DATE: April 27; June 06; & June 13, 2012
SUBJECT: PI# 0009861 Bibb county: SR11/SR49/US41 @ Rocky Creek Bridge Replacement
Location: Electronic Dialogue

June 13, 2012
ATTENDEES:

Sam Woods	Group Manager	404-631-1724
Dwayne Wilson	Roadway Designer	404-631-1720
Chad White	Project Manager	404-631-1546
Susan Beck	Bridge Design Group Leader	404-631-1862
Cindy Pollard	Bridge Design Assistant Group Leader	404-631-1865
Frank Scott	Trans Environmental Planner Associate	404-631-1271
Chuck Hasty	Roadway Design Asst State Design Engineer	404-631-1704

- General points of discussion:
  - Frank stated:
    - The existing bridge is most likely historic. This will not be a big issue, but there is a procedure to go through.
    - There are T&E species in the area.
    - Ecology will be the biggest environmental issue on this project since wetlands are present through the project site including within existing ROW.
    - A buffer variance would be needed for any impacts to Rocky Creek
    - Figure roughly 12+ months to complete environmental. Special studies need to start as soon as possible after the concept team meeting.
  - Susan stated:
    - After speaking with Bridge Maintenance, they will not be able to get the measurements needed ahead of time. We will have to wait for the full survey to be completed to get the information needed to make the decision about stage constructing the bridge.
    - The bridge office does believe that they can stage the bridge, considering the limited amount of information currently available.
    - The design approach for the replacement bridge will most likely follow option 3 listed below (raise the profile as much as possible with the possibility of jacking the nearest bridge to the south.
  - Attendees agreed to move forward with the assumption that the bridge can be stage constructed. This will be presented in the report and meeting as the preferred alternative. Switching traffic to the northbound lanes will remain as another alternative considered.
    - Frank stated that if we do end up switching traffic to the northbound lanes, we would probably want to hold a PIOH.
  - Chad stated:
    - This is a TIA project
    - This road is used frequently by Warner Robbins residents
    - Schedule – submit concept for approval in early July, get survey and environmental studies going ASAP after the concept team meeting. Will shoot to have survey completed by August/September 2012.
- Action Items:

- Bridge:
  - Provide list of needed survey information to Roadway Design. **(already completed)**
  - Bridge Design Office representative to attend the concept team meeting (by conference call)
- OES:
  - Provide concept level information to Roadway Design for inclusion in the draft concept report. **(already completed)**
- Roadway Design:
  - Complete draft concept report and other preparation for the concept team meeting
  - Develop survey request layout – will include Roadway Design's needs and incorporate Bridge Design's needs into layout and description.
  - Develop special studies request layout – will be similar to survey layout
    - Goal is to create these 2 layouts and submit them early the week of June 25th(the week following the concept team meeting).

June 06, 2012
ATTENDEES:

Sam Woods	Group Manager	404-631-1724
Dwayne Wilson	Roadway Designer	404-631-1720
Susan Beck	Bridge Design Group Leader	404-631-1862
Cindy Pollard	Bridge Design Assistant Group Leader	404-631-1865

- General points of discussion:
  - Susan stated that it seems like we would able to construct the bridge in stages, but we do not know for sure. Susan and Cindy have examined all available materials related to our existing bridge, but the old plans were incomplete in some sections.
    - We will not truly know for sure until the survey is complete. The baseline schedule currently shows the survey work beginning in November 2012, and ending in late January 2013.
    - We may be able to gain some more confidence in this situation by sending a bridge maintenance crew to the field to take some measurements. Susan will make a list of all the information she needs, and will investigate to see if this could possibly be done before the CTM. The CTM is set for 6/20/12 in Macon. The baseline schedule shows July 13th as the date for the PM to submit the concept report.
  - The 2 "big" questions/issues still remain:
    - Bridge Elevation over HW
      - This issue cannot and will not be completely resolved until the hydraulic study is complete (survey must be complete before hydraulic study can begin).
      - Once the HW elevations are determined, different options for the bridge profile can be evaluated:
        1. Minimum - Leave the bridge at the existing elevation – will almost certainly require a variance for clearance over highwater, based on the old plans.
        2. Maximum - Raise the bridge to the desirable EL criteria (2-ft above design storm & 1-ft above 100-year storm) – will almost certainly require reconstruction or jacking of the next existing bridge to the south (~300-ft away) plus associated roadway

work. Will not know the extent of construction required to accomplish this until survey is received.

3. Middle ground - Raise the bridge the maximum amount possible without impacting the bridge to the south. Improve clearance over HW as much as possible through minimally raising the profile and using shallow beams such as T-beams or Box Beams. Will not know how much we can raise the profile until survey is complete.

    - Staged construction of the bridge – see discussion above
  - How does this relate to the concept report and project schedule?
    - Which alternative should be presented as "preferred" in the concept report?
    - Detailed discussion will probably be needed in the alternates section describing what information will be needed to make the final decision on the alternative.
    - Do we want to consider waiting to submit the concept report until bridge maintenance can take field measurements and return them to Susan for a more informed decision as to whether the bridge can be built in stages.
- Action Items:
  - Roadway Design:
    - Meet with Chad White (PM) to discuss alternatives and implications of decisions, especially how it relates to project schedule.
    - Forward CTM invitation to Susan Beck (done).
  - Bridge Design:
    - Research the possibility of Bridge Maintenance doing some field work that would provide Bride Design dimensions and other information. This will help evaluate whether or not the bride can be constructed in stages.
    - Research the possibility of jacking the existing bridge to the south, if our bridge is raised.
    - Will Susan or Bill be able to attend the CTM?

April 27, 2012
ATTENDEES:

Sam Woods	Group Manager	404-631-1724
Dwayne Wilson	Roadway Designer	404-631-1720
Susan Beck	Bridge Design Group Leader	404-631-1862
Cindy Pollard	Bridge Design Assistant Group Leader	404-631-1865

- General points of discussion:
  - Sam introduced the project, discussed the schedule, and identified the main project constraints
  - Susan related that the normal design approach for replacing a bridge would be to have the bottom of the beams 2-ft above the design storm and 1-ft above the 100-year HW elevation.
    - It was noted on the P&E sheet that the 50-year and 100-year HW elevations appear to be well above the bridge at the time of the widening.
    - Attendees discussed the proximity of the nearest bridge to the south (approx. 300-ft away) as a project constraint. If the grade is raised on the proposed project bridge, it would be very unlikely that the roadway could be tied in without impacting the bridge to south.
    - The bridge to south, and all other bridges in this area have sufficiency ratings well above 50.
    - Susan said that the worst case for the project bridge would be to match the existing grade. Bridge Design would then do their best to get the bottom of

beam elevations as high as possible. This approach would almost certainly result in a Design Variance for clearance above HW elevation.

- Susan noted that there are 2 watersheds near the project – Tobesofkee Creek and Rocky Creek. Complete survey of both watersheds and all 8 bridges will be required to complete a full hydraulic study. This will be a significant survey effort.
- Susan mentioned that the "choke point" for this crossing is the NB bridge, since it has a shorter length than the SB bridge. However, either way, a hydraulic study needs to be done.
- Construction:
  - Attendees discussed construction staging at a concept level, mainly to see if building the bridge under traffic would be possible.
  - More information is needed to determine this (rest of old plans showing deck section, etc).
  - In order to shift traffic onto the new bridge, 29-ft to 31-ft of width will need to be constructed before shifting traffic. 31-ft includes 2x11-ft travel lanes, 2-ft offset to each barrier, 3-ft temp. barrier, and ~2-ft jersey barrier. 29-ft width would be for 10-ft travel lanes.
  - Susan mentioned the bridge design guidance shows a 4-ft inside shoulder and an 8-ft outside shoulder for this type of facility.

- Action Items:
  - Roadway Design:
    - Research old plans to try to find remainder of the plan set corresponding to the attached sheet.
      - Project number F-002-3(4), Bridge Sheets 1-7
    - General preparation for CTM in mid-June
    - Investigate options for switching traffic to NB lanes (tapers, reverse curves, switches at intersections)
  - Bridge Design:
    - Investigate possibility of staged bridge construction under traffic (will need plans to do this)
    - General preparation for CTM in mid-June
  - Project Manager (not directly related to this meeting):
    - Schedule CTM for no later than June 22nd.