

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0008667
CSNHS-0008-00(667)

OFFICE Design Policy & Support

Miller County

GDOT District 4 - Tifton

DATE September 14, 2012

SR 1/US 27 from CS 500/Cuthbert Street to

SR 45/College Street

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED CONCEPT REPORT

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

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning Administrator
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: Clay Bastian, Design Group Manager
Joe Sheffield, District Engineer
Brent Thomas, District Preconstruction Engineer
Tim Warren, District Utilities Engineer
Derrick Brown, Project Manager
BOARD MEMBER - 2nd Cong. District

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

Project Type: <u>Drainage Improvements</u>	P.I. Number: <u>0008667</u>
GDOT District: <u>4</u>	County: <u>Miller</u>
Federal Route Number: <u>US 27</u>	State Route Number: <u>1</u>

This project will re-construct the existing deficient roadway drainage system of US 27/SR 1 and South Cuthbert Street in Colquitt, GA.

Submitted for approval:

<u><i>C. Andy Conway</i></u>	<u>6/21/12</u>
State Roadway Design Engineer	DATE
<u><i>Donald Rice</i></u>	<u>7/26/2012</u>
State Program Delivery Engineer	DATE
<u><i>Denise</i></u>	<u>7/26/12</u>
GDOT Project Manager	DATE

Recommendation for approval:

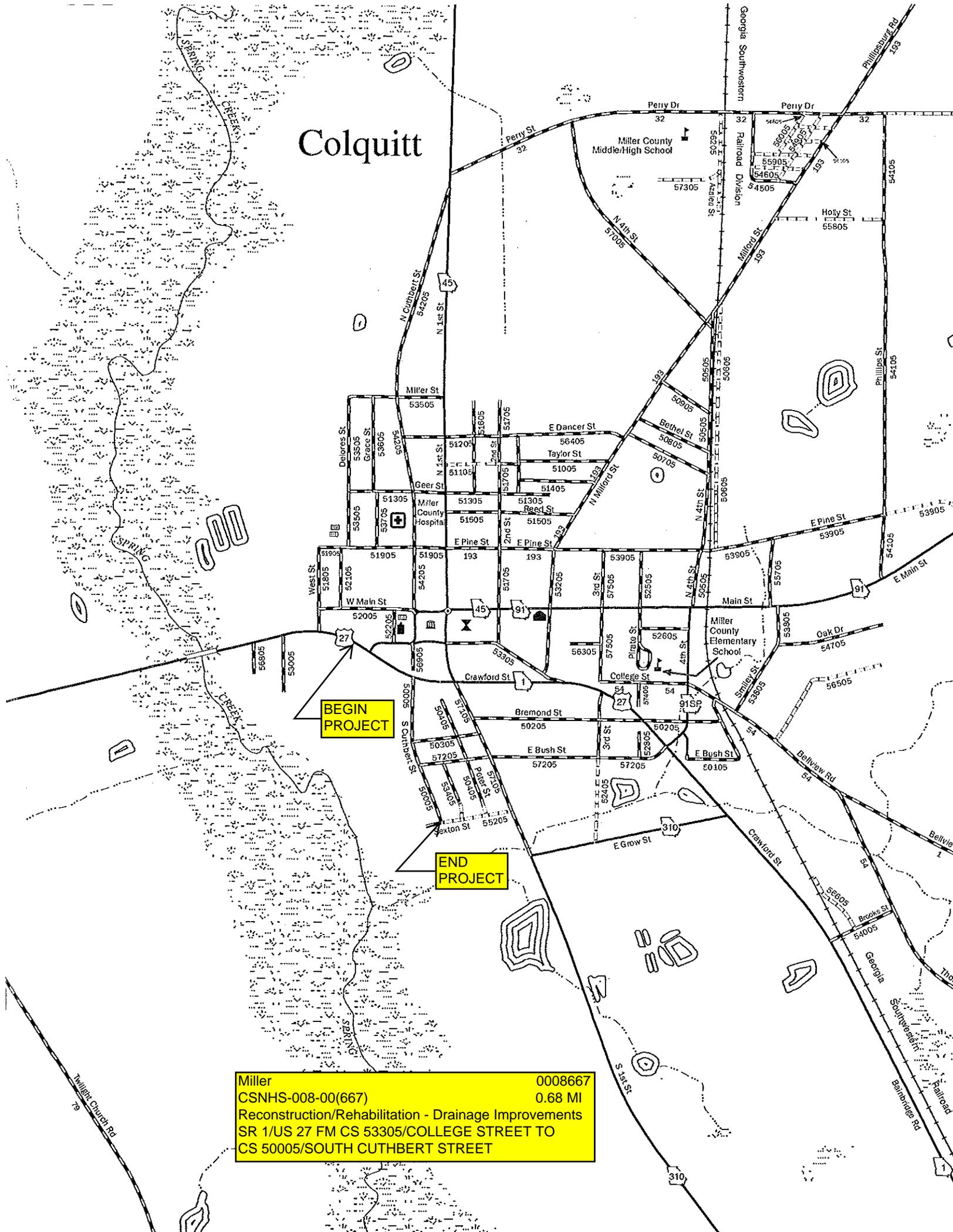
<u><i>GLENN BOWMAN</i> *TJ</u>	<u>7/23/2012</u>
Program Control Administrator	DATE
<u><i>LISA MYERS</i> *TJ</u>	<u>7/18/2012</u>
State Environmental Administrator	DATE
Project Review Engineer	DATE
State Utilities Engineer	DATE
District Engineer	DATE
State Transportation Financial Management Administrator	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).

<u><i>CINDY VANDUYKE</i> *TJ</u>	<u>7/20/12</u>
State Transportation Planning Administrator	DATE

** RECOMMENDATION ON FILE*

Colquitt



BEGIN PROJECT

END PROJECT

Miller 0008667
CSNHS-008-00(667) 0.68 MI
Reconstruction/Rehabilitation - Drainage Improvements
SR 1/US 27 FM CS 53305/COLLEGE STREET TO
CS 50005/SOUTH CUTHBERT STREET

PLANNING & BACKGROUND DATA

Project Justification Statement:

The proposed drainage improvements project is needed to eliminate the frequent flooding that occurs on US 27/SR 1 near South Cuthbert Street. The specific area of concern is on US 27/SR 1 near the low point of the roadway, on the low side of the super-elevated curve. During heavy rainfall events, the gutter spread at this location covers most of the two northbound lanes causing a nominally unsafe roadway for motorists to travel.

The purpose of this drainage improvements project is to provide a roadway storm drainage system that will operate efficiently for the required design frequency storm event and will greatly reduce the flooding hazard to US 27/SR 1.

Description of the proposed project:

This project will re-construct the existing deficient roadway drainage system of US 27/SR 1 and South Cuthbert Street by using larger and/or dual pipes, and corresponding new drainage structures. All but three of the proposed pipes/structures will be in the same location of the existing pipes/structures being replaced. The project will begin with the existing inlet in the southeast corner of the Hardees parking lot, approximately 850 ft. northwest of the intersection of US 27/SR 1 and South Cuthbert Street. From this point, the reconstruction proceeds southeast along US 27/SR 1 until reaching South Cuthbert Street. From here, the project continues south along South Cuthbert Street for approximately 2041 ft. to where the proposed reconstruction ends. In addition to the work above and to account for increased velocity due to increased pipe size, rip rap will be placed at the system outlet to prevent erosion. The project ends at the existing system outlet on the south side of Sexton Street at the intersection of South Cuthbert Street and Sexton Street. This project is located in Colquitt, Georgia in Miller County. It is in the 13th Land District, Land Lots Nos. 169 & 170 and Georgia Militia District 903. The proposed project length is approximately 0.68 mile.

Federal Oversight: Full Oversight Exempt State Funded Other

MPO: N/A MPO - Choose
MPO Project TIP #

Regional Commission: N/A RC – Choose
RC Project ID #

Congressional District(s): 2

Projected Traffic: N/A

Functional Classification (Mainline): Rural Principal Arterial

Is this project on a designated bike route? No YES

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: Potential project impacts that have been identified are the potential disturbance of contributing features to historic properties within one or two historic districts.

Context Sensitive Solutions: N/A

DESIGN AND STRUCTURAL DATA

Mainline Design Features:

Roadway Name/Identification: US 27/SR 1

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	4	4	N/A
- Lane Width(s)	12 ft.	11 – 12 ft.	N/A
- Median Width & Type	14 ft. Flush	14 ft. Flush	N/A
- Outside Shoulder Width & Type	10 ft. Urban	10 – 16 ft. Urban	N/A
- Outside Shoulder Slope	2%	2%	N/A
- Inside Shoulder Width & Type	N/A	N/A	N/A
- Sidewalks	5 ft. (1.5 ft. Strip)	5 ft. (2 ft. Strip)**	N/A
- Auxiliary Lanes	N/A	N/A	N/A
- Bike Lanes	N/A	N/A	N/A
Posted Speed	35 MPH		N/A
Design Speed	35 MPH	45 MPH	N/A
Min Horizontal Curve Radius	1146 ft.	711 ft.	N/A
Superelevation Rate	4%	4%	N/A
Grade	1.87%	7%	N/A
Access Control	Permitted	Permitted	N/A
Right-of-Way Width	90 – 102 ft.	N/A	N/A
Maximum Grade – Crossroad	N/A	7%	N/A
Design Vehicle	WB-62	WB-62	N/A
Max Gutter Spread (Gutter width + 1/2 Outside travel lane)	9.4 ft.	8 ft. (for this location)	8 ft.

*According to current GDOT design policy if applicable.

**Previous design/construction pre-dates current GDOT design policy.

Major Structures: N/A

Major Intersections: None.

Utility Involvements:

Cable: Bulldog Cable TV
 Gas: City of Colquitt
 Water & Sewer: City of Colquitt
 Power Distribution: GA Power Distribution
 Power Transmission: GA Power Transmission

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

SUE Required: Yes No

Right-of-Way:

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

Anticipated number of impacted parcels: 15
 Anticipated number of displacements (Total): 0

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	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Lane Width	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Shoulder Width	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Bridge Width	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Horizontal Alignment	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Superelevation	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Vertical Alignment	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Grade	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Stopping Sight Distance	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Cross Slope	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Vertical Clearance	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Lateral Offset to Obstruction	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Bridge Structural Capacity	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Design Variances to GDOT standard criteria anticipated:

GDOT Standard Criteria	Reviewing Office	Appvl Date (if applicable)		Undetermined
		YES	NO	
1. Access Control - Median Opening Spacing	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Median Usage & Width	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Intersection Skew Angle	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Lateral Offset to Obstruction	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Intersection Sight Distance	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Bike & Pedestrian Accommodations	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. GDOT Drainage Manual	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Georgia Standard Drawings	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. GDOT Bridge & Structural Manual	Bridge Design	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Roundabout Illumination	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Rumble Strips	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Safety Edge	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

VE Study anticipated: No Yes Completed – Date:

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

Environmental Permits/Variances/Commitments/Coordination anticipated:

Permit/ Variance/ Commitment/ Coordination Anticipated	YES	NO	Remarks
1. U.S. Coast Guard Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Forest Service/Corps Land	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. CWA Section 404 Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Tennessee Valley Authority Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Buffer Variance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Coastal Zone Management Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. NPDES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Disturbed Area > 1 acre
8. FEMA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Cemetery Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Other Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11. Other Commitments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12. Other Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Is a PAR required? No Yes Completed – Date:

NEPA/GEPA: A Categorical Exclusion is the anticipated environmental document for this project. The environmental special studies are underway but not yet surveyed. The finding of no other concerns other than History is based on a preliminary desk top review.

Ecology: No concerns.

History: Since this project will go outside of the existing pavement and require temporary and permanent easement, the project will not fall under Memorandum of Understanding (MOU) for minor highway projects. In a brief desktop review using Google Street view, a cemetery along US 27 and several historic houses along South Cuthbert Street were noted. A historic resource survey will need to be performed and coordinated with design, if it is determined that any of these resources are eligible for the National Register. There is potential for a historic district, possibly two. Regarding effects, typical concerns revolve around the potential disturbance of contributing features to historic properties such as walls, fences, or historic vegetation. Since Cuthbert Street is fairly narrow, the potential for impacts is greater than on US 27.

Archeology: Colquitt City Cemetery is located along US 27 near the proposed construction.

Air & Noise: No concerns.

Public Involvement: No public outreach is planned.

Major stakeholders:

- City of Colquitt
- Bevis Furniture Company

CONSTRUCTION

Issues potentially affecting constructability/construction schedule: None.

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
Design	GDOT – Roadway Design
Right-of-Way Acquisition	GDOT – District 4 Right of Way
Utility Relocation	Utility Owners or Contractor
Letting to Contract	GDOT
Construction Supervision	GDOT – District 4 Construction
Providing Material Pits	N/A
Providing Detours	N/A
Environmental Studies, Documents, & Permits	GDOT – Environmental Services
Environmental Mitigation	GDOT – Environmental Services
Construction Inspection & Materials Testing	GDOT – District 4 Construction

Lighting required: No Yes

Concept Meeting: Held via e-mail on May 7, 2012. See attached minutes.

Other projects in the area:

- PI 0006543 Milford Street Sidewalk Project in Colquitt. Let on 1/1/2011. Under construction.
-

Other coordination to date:

- Site visit/Pre-Survey meeting held on 10/18/2011.

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	ROW	Utility	CST*	Environmental Mitigation	Total Cost
By Whom	GDOT	GDOT	GA Power	GDOT		
\$ Amount	\$150,000	\$343,000	\$50,000	\$676,746		\$1,219,746
Date of Estimate	9/1/2007	5/17/2012	4/17/2012	6/19/2012		

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

ALTERNATIVES DISCUSSION

Alternative selection:

Preferred Alternative: Re-construct the existing deficient roadway drainage system of US 27/SR 1 and South Cuthbert Street by using larger and/or dual pipes, and corresponding new drainage structures. All but three of the proposed pipes/structures will be in the same location of the existing pipes/structures being replaced. The project will begin with the existing inlet in the southeast corner of the Hardees parking lot, approximately 850 ft. northwest of the intersection of US 27/SR 1 and South Cuthbert Street. From this point, the reconstruction will proceed southeast along US 27/SR 1 until reaching South Cuthbert Street. From here, the project will continue south along South Cuthbert Street for approximately 2041 ft. to where the proposed reconstruction will end. In addition to the work above and to account for increased velocity due to increased pipe size, rip rap will be placed at the existing system outlet to prevent erosion. The project will end at the existing system outlet on the south side of Sexton Street at the intersection of South Cuthbert Street and Sexton Street.

Estimated Property Impacts:	15	Estimated Total Cost:	\$1,219,746
Estimated ROW Cost:	\$343,000	Estimated CST Time:	6 months

Rationale: This alternative proposes drainage improvements to the existing roadway storm drainage system that will provide for efficient operation for the required design frequency storm event and will greatly reduce the flooding hazard to US 27/SR 1.

No-Build Alternative: Retain the existing roadway drainage system.

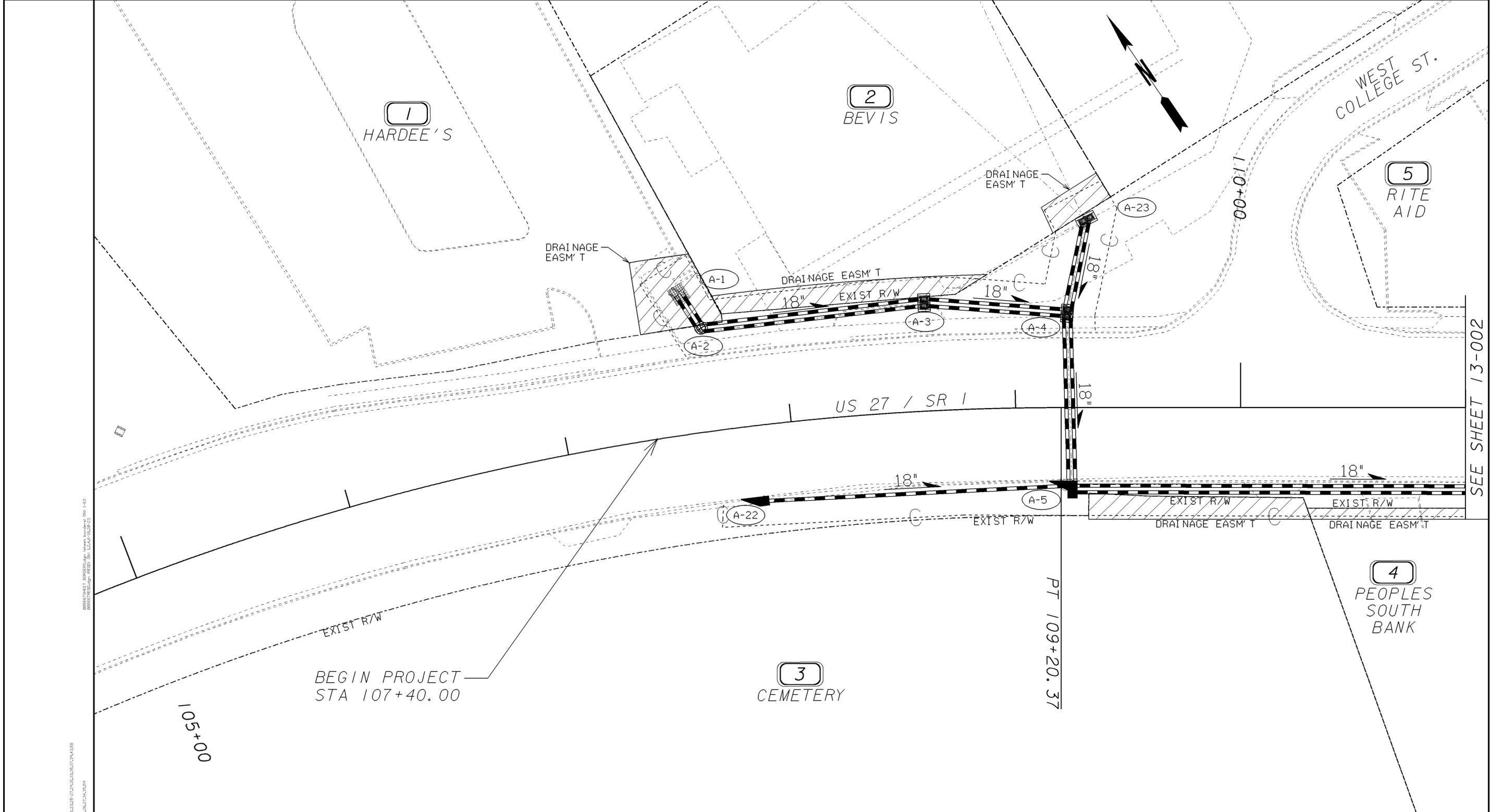
Estimated Property Impacts:	0	Estimated Total Cost:	\$0
Estimated ROW Cost:	\$0	Estimated CST Time:	0 months

Rationale: This alternative would cause the current roadway storm drainage system to continue to operate inefficiently for the required design frequency storm event and would continue to propose a flooding hazard to US 27/SR 1.

Alternative 1: Re-construct the existing deficient roadway drainage system of US 27/SR 1 and South Cuthbert Street by using larger and/or dual pipes, corresponding new drainage structures and the construction of pipe on new location to a new outfall. The project would begin with the existing inlet in the southeast corner of the Hardees parking lot, approximately 850 ft. northwest of the intersection of US 27/SR 1 and South Cuthbert Street. From this point, the reconstruction would proceed southeast along US 27/SR 1 until approximately 215 ft. northwest of the intersection of US 27/SR 1 and South Cuthbert Street. From here, the project would continue south of US 27/SR 1 on new location between the properties of Peoples South Bank and a private residence for approximately 1360 ft. to where the proposed construction would end. The project would end at the new system outlet on private property.

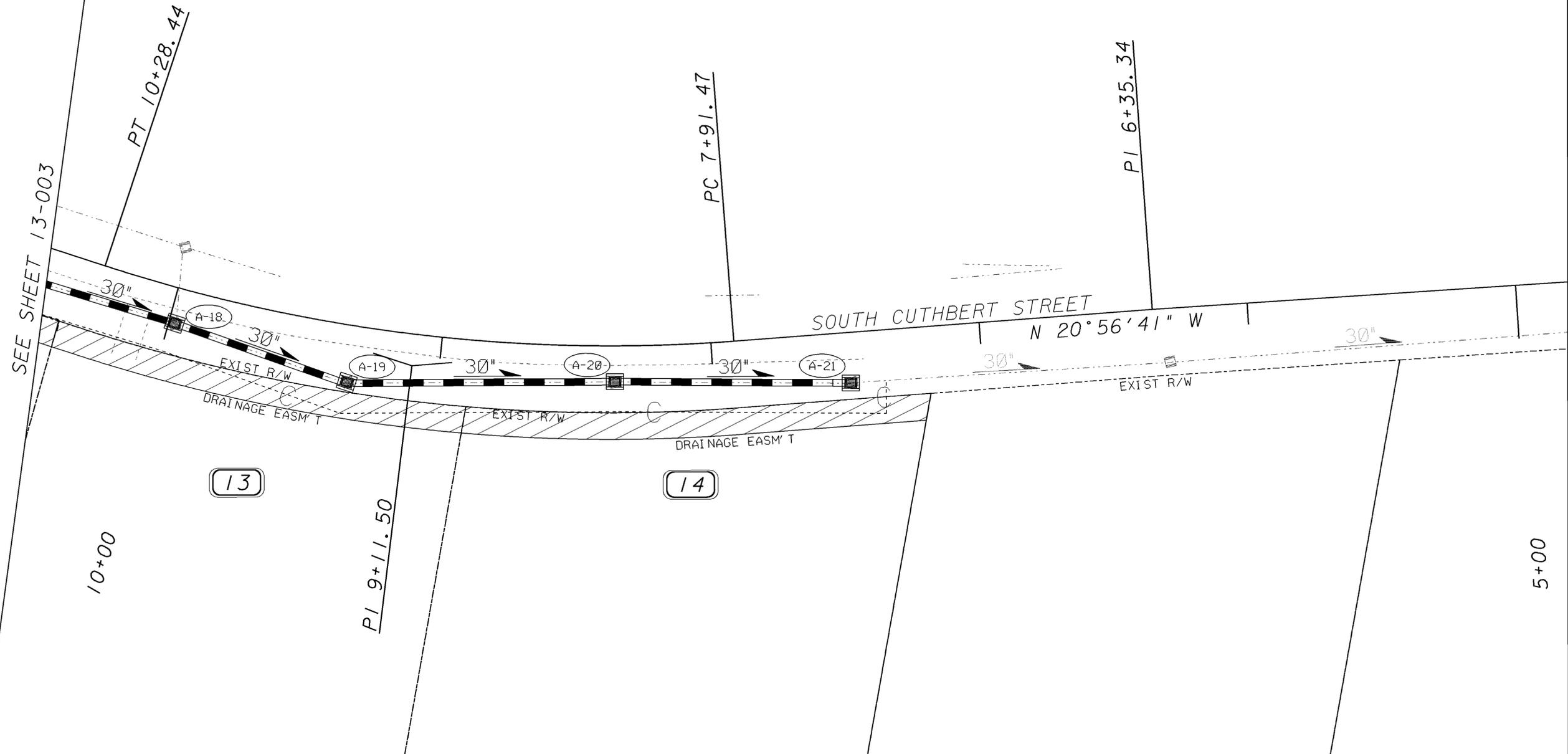
Estimated Property Impacts:	10	Estimated Total Cost:	\$1,112,600
Estimated ROW Cost:	\$255,000	Estimated CST Time:	6 months

Rationale: This alternative would require the installation of a drainage system in a location where one currently does not exist. The resulting effect would be the change of drainage patterns and the acquisition of right of way or permanent easement that may have greater impacts to environmental resources than the preferred alternative would require. Environmental mitigation costs are not included in the estimated total cost.



SEE SHEET 13-002

<p>1/5/2009</p> <p>GP/</p> <p>0000 0H 13 4541131657426285224243336324438</p>	<p>SCALE IN FEET</p>	<p>GEORGIA</p> <p>DEPARTMENT OF TRANSPORTATION</p>	<p>REVISION DATES</p> <table border="1"> <tr><td> </td><td> </td><td> </td></tr> </table>																															<p>STATE OF GEORGIA</p> <p>DEPARTMENT OF TRANSPORTATION</p> <p>OFFICE: ROADWAY DESIGN</p> <p>MAINLINE PLAN</p>
<p>BEGIN PROJECT STA 107+40.00</p>	<p>PT 109+20.37</p>	<p>CSNHS-0008-00(667)</p> <p>MILLER COUNTY</p>	<p>DRAWING No.</p> <p>13-001</p>																															



SEE SHEET 13-003

SEE SHEET 13-005

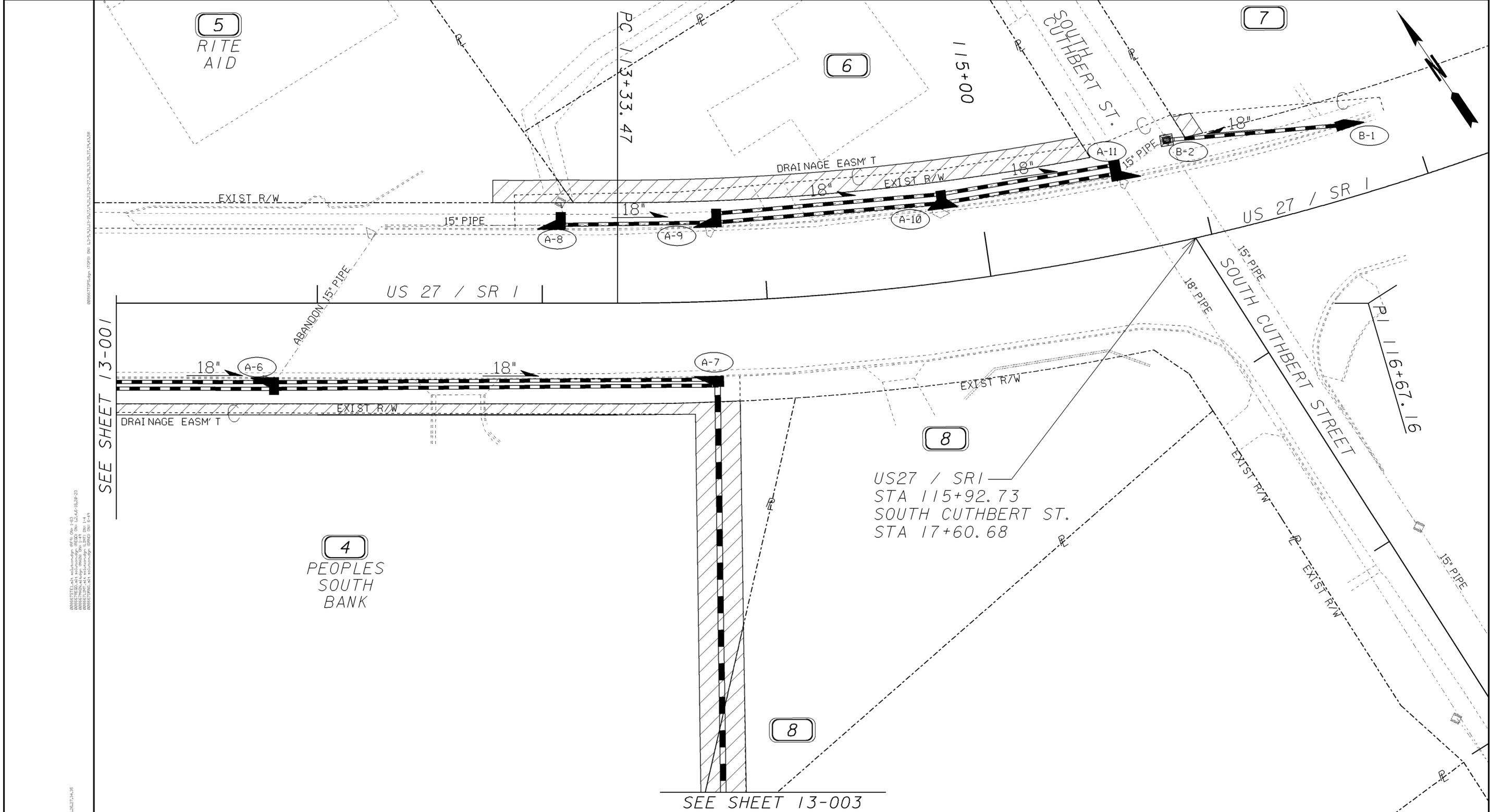


GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
MAINLINE PLAN
CSNHS-0008-00(667)
MILLER COUNTY

DRAWING No.
13-004



SEE SHEET 13-001

SEE SHEET 13-003



GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
MAINLINE PLAN
CSNHS-0008-00(667)
MILLER COUNTY - ALT

DRAWING No.
13-002

1/5/2009
GPI

PROJ. NO.: CSNHS-0008-00(667) - preferred alternate

P.I. NO. 0008667

DATE: 6/7/2012

Base Construction Cost		\$	623,913.36
E & I	5%	\$	31,195.67
Construction Contingency		\$	-
Subtotal Construction Cost		\$	655,109.03
Liquid AC Adjustment (50 % cap)		\$	24,192.75
Total Construction Cost		\$	679,301.78

DETAILED COST ESTIMATE



Job: 0008667

JOB NUMBER: 0008667

FED/STATE PROJECT NUMBER CSNHS-0008-00(667)

SPEC YEAR: 01

DESCRIPTION: US27 / SR1 & SOUTH CUTHBERT STREET DRAINAGE IMPROVEMENTS

ITEMS FOR JOB 0008667

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0010	150-1000	1.000	LS	\$40,000.00	TRAFFIC CONTROL - CSNHS-0008-00(667)	\$40,000.00
1765	210-0100	1.000	LS	\$201,187.50	GRADING COMPLETE - CSNHS-0008-00(667)	\$201,187.50
1985	310-1101	689.000	TN	\$21.71	GR AGGR BASE CRS, INCL MATL	\$14,960.75
1940	310-5060	411.000	SY	\$12.82	GR AGGR BS CRS 6IN INCL MATL	\$5,267.33
1990	402-3121	261.000	TN	\$57.71	RECYL AC 25MM SP,GP1/2,BM&HL	\$15,061.37
0070	402-3130	404.000	TN	\$81.32	RECYL AC 12.5MM SP,GP2,BM&HL	\$32,853.92
0080	402-3190	582.000	TN	\$59.61	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$34,693.02
0085	413-1000	314.000	GL	\$2.25	BITUM TACK COAT	\$706.50
0110	441-0104	291.000	SY	\$24.57	CONC SIDEWALK, 4 IN	\$7,149.87
0124	441-4020	33.000	SY	\$36.44	CONC VALLEY GUTTER, 6 IN	\$1,202.54
0125	441-4030	95.000	SY	\$41.26	CONC VALLEY GUTTER, 8 IN	\$3,919.70
0130	441-5002	110.000	LF	\$9.98	CONC HEADER CURB, 6", TP 2	\$1,097.80
0135	441-6222	767.000	LF	\$12.39	CONC CURB & GUTTER/ 8"X30"TP2	\$9,503.13
1980	444-1000	1233.000	LF	\$4.49	SAWED JTS IN EXIST PVMTS - PCC	\$5,536.77
0145	446-1100	1026.000	LF	\$0.60	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$615.60
1910	700-9300	3043.000	SY	\$3.50	SOD	\$10,650.50
SUBTOTAL FOR ROADWAY:						\$384,406.30

0020 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0220	441-0304	1.000	EA	\$1,837.30	CONC SPILLWAY, TP 4	\$1,837.30
1945	500-3101	1.000	CY	\$469.28	CLASS A CONCRETE	\$469.28
0255	550-1180	1831.000	LF	\$38.28	STM DR PIPE 18",H 1-10	\$70,090.68
0265	550-1240	354.000	LF	\$57.82	STM DR PIPE 24",H 1-10	\$20,468.28
0270	550-1300	1023.000	LF	\$56.74	STM DR PIPE 30",H 1-10	\$58,045.02
1950	603-2036	63.000	SY	\$66.84	STN DUMPED RIP RAP, TP 1, 36"	\$4,210.75
0320	603-7000	63.000	SY	\$3.05	PLASTIC FILTER FABRIC	\$192.15
1995	654-1003	6.000	EA	\$4.76	RAISED PVMT MARKERS TP 3	\$28.58
0335	668-1100	2.000	EA	\$2,100.00	CATCH BASIN, GP 1	\$4,200.00
1960	668-1105	7.000	EA	\$2,488.34	CATCH BASIN, GP 1, SPCL DES	\$17,418.38
1965	668-2100	11.000	EA	\$2,101.54	DROP INLET, GP 1	\$23,116.95
1880	668-2105	4.000	EA	\$2,064.00	DROP INLET, GP 1, SPCL DES	\$8,256.00
0350	668-4300	1.000	EA	\$1,826.00	STORM SEW MANHOLE, TP 1	\$1,826.00
SUBTOTAL FOR DRAINAGE:						\$210,159.37

0040 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
2015	163-0300	4.000	EA	\$1,214.26	CONSTRUCTION EXIT	\$4,857.04
1400	163-0528	240.000	LF	\$3.25	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$780.00
0440	163-0550	25.000	EA	\$200.00	CONS & REM INLET SEDIMENT TRAP	\$5,000.00
0445	165-0010	1018.000	LF	\$1.25	MAINT OF TEMP SILT FENCE, TP A	\$1,272.50
0450	165-0030	110.000	LF	\$1.50	MAINT OF TEMP SILT FENCE, TP C	\$165.00
1410	165-0041	120.000	LF	\$2.50	MAINT OF CHECK DAMS - ALL TYPES	\$300.00
0475	165-0105	25.000	EA	\$110.00	MAINT OF INLET SEDIMENT TRAP	\$2,750.00
0480	167-1000	1.000	EA	\$1,500.00	WATER QUALITY MONITORING AND SAMPLING	\$1,500.00
0485	167-1500	6.000	MO	\$1,000.00	WATER QUALITY INSPECTIONS	\$6,000.00
0490	171-0010	2035.000	LF	\$2.35	TEMPORARY SILT FENCE, TYPE A	\$4,782.25
0495	171-0030	219.000	LF	\$4.00	TEMPORARY SILT FENCE, TYPE C	\$876.00
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$28,282.79

DETAILED COST ESTIMATE



Job: 0008667

0050 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
1970	610-9001	8.000	EA	\$64.48	REM SIGN	\$515.84
1975	611-5551	8.000	EA	\$46.38	RESET SIGN	\$371.02
2010	653-1502	143.000	LF	\$0.55	THERMO SOLID TRAF ST, 5 IN YEL	\$78.42
2000	653-3501	143.000	GLF	\$0.39	THERMO SKIP TRAF ST, 5 IN, WHI	\$55.34
2005	653-3502	143.000	GLF	\$0.31	THERMO SKIP TRAF ST, 5 IN, YEL	\$44.28
SUBTOTAL FOR SIGNING AND MARKING:						\$1,064.90

TOTALS FOR JOB 0008667

ITEMS COST:	\$623,913.36
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$623,913.36
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$623,913.36

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

Date: 5/17/2012 Project: CSNHS-0008-00(667)
 Revised: County: Miller
 PI: 0008667

Description: Easement for Drainage
 Project Termini: Easement for Drainage

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 15

Land and Improvements _____ \$34,912.50

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$17,000.00

Valuation Services _____ \$25,000.00

Legal Services _____ \$122,625.00

Relocation _____ \$30,000.00

Demolition _____ \$0.00

Administrative _____ \$130,000.00

TOTAL ESTIMATED COSTS _____ \$342,537.50

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$343,000.00

Preparation Credits	Hours	Signature

Prepared By: Lashae Alexander CG#: 286999 05/17/2012
 Approved By: Lashae Alexander CG#: 286999 05/17/2012

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: **CSNHS-0008-00(667)**
County **MILLER**
P.I. # **0008667**

OFFICE: **Tifton**
DATE: **April 17, 2012**

Description: **SR 1/US 27 FM CS 500/CUTHERBT STREET TO SR/COLLEGE STREET**

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

TO Derrick M. Brown, Project Manager (VIA-EMAIL)

SUBJECT **UTILITY COST ESTIMATE**

A review of utilities located on the above referenced project has been conducted without a design concept.. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

<u>Utility Owner</u>	<u>Reimbursable</u>	<u>Non-Reimbursable</u>	<u>Estimate Based on</u>
Bulldog Cable TV	\$0.00	\$3,050.00	Site Visit / Available Drawings
City of Colquitt **	\$0.00	\$152,660.00	Site Visit / Available Drawings
Ga Power Distribution	\$0.00	\$70,000.00	Site Visit / Available Drawings
Ga Power Transmission	\$50,000.00	\$0.00	Site Visit / Available Drawings
Total	\$50,000.00	\$225,710.00	

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

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

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

BC
TW:BC:KC

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

PROJ. NO.: CSNHS-0008-00(667) - alternate solution

P.I. NO. 0008667

DATE: 5/7/2012

Base Construction Cost		\$	608,721.30
E & I	5%	\$	30,436.07
Construction Contingency		\$	-
Subtotal Construction Cost		\$	639,157.37
Liquid AC Adjustment (50 % cap)		\$	20,051.18
Total Construction Cost		\$	659,208.54

DETAILED COST ESTIMATE



Job: 0008667 ALT SOL

JOB NUMBER: 0008667_ALT SOL

FED/STATE PROJECT NUMBER CSNHS-0008-00(667)

SPEC YEAR: 01

DESCRIPTION: US27 / SR1 & SOUTH CUTHBERT STREET DRAINAGE IMPROVEMENTS
ALT SOLUTION

ITEMS FOR JOB 0008667 ALT SOL

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0010	150-1000	1.000	LS	\$40,000.00	TRAFFIC CONTROL - CSNHS-0008-00(667)	\$40,000.00
1765	210-0100	1.000	LS	\$245,817.00	GRADING COMPLETE - CSNHS-0008-00(667)	\$245,817.00
1985	310-1101	413.000	TN	\$22.69	GR AGGR BASE CRS, INCL MATL	\$9,372.55
1940	310-5060	304.000	SY	\$13.13	GR AGGR BS CRS 6IN INCL MATL	\$3,991.89
1990	402-3121	156.000	TN	\$57.71	RECYL AC 25MM SP,GP1/2,BM&HL	\$9,002.20
0070	402-3130	314.000	TN	\$82.83	RECYL AC 12.5MM SP,GP2,BM&HL	\$26,009.74
0080	402-3190	562.000	TN	\$59.61	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$33,500.82
2030	413-1000	278.000	GL	\$3.24	BITUM TACK COAT	\$901.07
0110	441-0104	252.000	SY	\$24.57	CONC SIDEWALK, 4 IN	\$6,191.64
2035	441-4020	17.000	SY	\$38.00	CONC VALLEY GUTTER, 6 IN	\$646.07
0125	441-4030	119.000	SY	\$41.26	CONC VALLEY GUTTER, 8 IN	\$4,909.94
0130	441-5002	97.000	LF	\$9.98	CONC HEADER CURB, 6", TP 2	\$968.06
0135	441-6222	845.000	LF	\$12.39	CONC CURB & GUTTER/ 8"X30"TP2	\$10,469.55
1980	444-1000	1137.000	LF	\$4.54	SAWED JTS IN EXIST PVMTS - PCC	\$5,162.18
0145	446-1100	1064.000	LF	\$0.60	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$638.40
1910	700-9300	4596.000	SY	\$3.50	SOD	\$16,086.00
SUBTOTAL FOR ROADWAY:						\$413,667.11

0020 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
2050	550-1180	2462.000	LF	\$28.75	STM DR PIPE 18",H 1-10	\$70,771.96
0270	550-1300	1040.000	LF	\$56.74	STM DR PIPE 30",H 1-10	\$59,009.60
2025	550-4230	1.000	EA	\$758.44	FLARED END SECT 30 IN, ST DR	\$758.44
1950	603-2036	63.000	SY	\$66.84	STN DUMPED RIP RAP, TP 1, 36"	\$4,210.75
0320	603-7000	63.000	SY	\$3.05	PLASTIC FILTER FABRIC	\$192.15
0335	668-1100	3.000	EA	\$2,100.00	CATCH BASIN, GP 1	\$6,300.00
2040	668-1105	6.000	EA	\$2,488.34	CATCH BASIN, GP 1, SPCL DES	\$14,930.04
1965	668-2100	1.000	EA	\$1,838.08	DROP INLET, GP 1	\$1,838.08
2045	668-4300	1.000	EA	\$1,648.36	STORM SEW MANHOLE, TP 1	\$1,648.36
2020	668-5000	4.000	EA	\$1,636.38	JUNCTION BOX	\$6,545.52
SUBTOTAL FOR DRAINAGE:						\$166,204.90

0040 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
2015	163-0300	3.000	EA	\$1,111.38	CONSTRUCTION EXIT	\$3,334.14
0440	163-0550	14.000	EA	\$200.00	CONS & REM INLET SEDIMENT TRAP	\$2,800.00
0445	165-0010	1896.000	LF	\$1.25	MAINT OF TEMP SILT FENCE, TP A	\$2,370.00
0450	165-0030	141.000	LF	\$1.50	MAINT OF TEMP SILT FENCE, TP C	\$211.50
0475	165-0105	14.000	EA	\$110.00	MAINT OF INLET SEDIMENT TRAP	\$1,540.00
0480	167-1000	1.000	EA	\$1,500.00	WATER QUALITY MONITORING AND SAMPLING	\$1,500.00
0485	167-1500	6.000	MO	\$1,000.00	WATER QUALITY INSPECTIONS	\$6,000.00
0490	171-0010	3792.000	LF	\$2.35	TEMPORARY SILT FENCE, TYPE A	\$8,911.20
0495	171-0030	283.000	LF	\$4.00	TEMPORARY SILT FENCE, TYPE C	\$1,132.00
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$27,798.84

DETAILED COST ESTIMATE



Job: 0008667 ALT SOL

0050 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
1970	610-9001	9.000	EA	\$62.35	REM SIGN	\$561.17
1975	611-5551	9.000	EA	\$45.41	RESET SIGN	\$408.69
2010	653-1502	49.000	LF	\$0.64	THERMO SOLID TRAF ST, 5 IN YEL	\$31.37
2000	653-3501	49.000	GLF	\$0.44	THERMO SKIP TRAF ST, 5 IN, WHI	\$21.75
2005	653-3502	49.000	GLF	\$0.36	THERMO SKIP TRAF ST, 5 IN, YEL	\$17.41
1995	654-1003	2.000	EA	\$5.03	RAISED PVMT MARKERS TP 3	\$10.06
<i>SUBTOTAL FOR SIGNING AND MARKING:</i>						\$1,050.45

TOTALS FOR JOB 0008667_ALT SOL

ITEMS COST:	\$608,721.30
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$608,721.30
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$608,721.30

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 6/7/2012
Revised: Alternate Solution

Project: CSNHS-0008-00(667)
County: Miller
PI: 0008667

Description: Easement for Drainage
Project Termini: Easement for Drainage

Existing ROW: Varies
Required ROW: Varies
Parcels: 10

Land and Improvements _____ \$46,626.01

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$17,000.00

Valuation Services _____ \$18,750.00

Legal Services _____ \$81,750.00

Relocation _____ \$20,000.00

Demolition _____ \$0.00

Administrative _____ \$87,500.00

TOTAL ESTIMATED COSTS _____ \$254,626.01

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$255,000.00

Preparation Credits	Hours	Signature

Prepared By: _____ CG#: _____ (DATE) _____
Approved By: _____ CG#: _____ (DATE) _____

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

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

CONCEPT TEAM MEETING NOTES

PI #0008667 Miller County

DATE: May 7, 2012

LOCATION OF MEETING: Held via Email

Purpose: Due to the small scale/scope of the project (drainage improvement), the draft concept report was submitted via email to SME's for review and comments, in lieu of a formal Concept Team Meeting. The following comments were received;

From Joe Sheffield, District 4 Engineer:

Alternate one seems to make the most sense. It appears you dismissed Alt. 1 based on cost. I would like to see the cost estimates.

From Bill Cooper, Assistant District 4 Utilities Engineer:

- *Add 'gas' to the City's Utilities.*
- *SUE will be requested.*

From Amber Phillips, Office of Environmental Services (Air/Noise):

No comments for air/noise specialist.

Sandy Lawrence, Office of Environmental Services (History):

Since this project will go outside of existing pavement and require temporary and permanent easement, the project will not fall under our MOU for minor highway projects. In a brief desktop review using Google Streetview, I noted a cemetery along US 27 and several historic houses along South Cuthbert Street. We will need to do a historic resource survey and work closely with design if we determine any of these resources to be eligible for the National Register. There is potential for a historic district, possibly two. Regarding effects, our typical concerns revolve around the potential disturbance of contributing features to historic properties such as walls, fences, or historic vegetation. Since Cuthbert Street is fairly narrow, the potential for impacts is greater than on US 27.

Douglas Chamblin, Office of Environmental Services (Ecology):

No concerns for ecology.

Transcribed by: Derrick Brown, Office of Program Delivery
Attachment: Comments via email