ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #422120-, 522770-, & 0012845
EDS00-0084-00(23 & 26)
Clinch and Ware County
GDOT District 5 - Jesup
Widening: SR 38/US 84 from West of
Woodyard Creek to West of Greasy Branch

OFFICE Design Policy & Support

DATE 10/29/2014

FROM for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT **APPROVED REVISED CONCEPT REPORT**

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

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Mike Bolden, State Utilities Engineer
Richard Cobb, Statewide Location Bureau
Karon Ivery, District Engineer
Will Murphy, District Preconstruction Engineer
Dallory Rozier, District Utilities Engineer
Matt Bennett, Project Manager
BOARD MEMBER - 1st Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT

Project Type:	Roadway Widening	P.I. Number:	422120, 0012845, 522770
GDOT District:	Districts 4 and 5	County:	CLINCH/WARE
Federal Route Number:	84	State Route Number:	38
Project Number:	*N/A*		

The significant change to the concept reports for PI 422120 and PI 522770 is project termini. The ending terminus of PI 422120 will change to Peagler Crossing/CR9 and the beginning terminus of PI 522770 will change to Fire Tower Road/CR12. The change in terminus is needed to facilitate utility relocation within the city of Manor, under a new project PI 0012845. The limits for this project will start at Peagler Crossing/CR9 and end at Fire Tower Road/CR12 and this project will be let with PI 522770. Two roundabout intersections located at the beginning and ending of the Argyle Bypass will be added to the project. The Argyle Bypass travel way will be reduced from four lanes down to two lanes.

Submitted for approval:

C. Andy Guy — 6/18/14
GDOT Concept/Design Phase Office Head & Office — DATE

Albert Shelby — 6/30/14
State Program Delivery Engineer — DATE

Jeremy T. Busby — 6/20/14
GDOT Project Manager — DATE

Recommendation for approval:

* HIRAL PATEL — 8/27/2014
State Environmental Administrator — DATE

* KATHY ZAHUL — 7/10/2014
State Traffic Engineer — DATE

* BEN RABUN — 7/8/2014
State Bridge Design Engineer — 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).

* CYNTHIA L. VANDYKE — 7/9/2014
State Transportation Planning Administrator — DATE

* RECOMMENDATION(S) ON FILE

Planning, Approved Concept and Background

The US 84/SR 38 Improvements are part of the Governors Road Improvement Program (GRIP) and involves the multi-laning of this primary east-west corridor in south Georgia, serving as a catalyst for the development of this region. The improvements will aid in the economic development of sparsely populated rural areas and small towns along this route. Traffic carrying capacity will be increased; safety and operational characteristics along this segment will be improved.

Existing conditions:

The proposed projects are located along US 84/SR 38 in Clinch/Ware counties. US 84/SR 38 is currently a two-lane rural facility within the project limits.

Description of the approved concept:

PI 422120 begins just west of Woodyard Creek and would widen US 84/SR 38 on the north side by adding a 14-foot flush median urban section and two 12-foot lanes. The alignment would widen to the northern side in order to stay off the CSX railroad, and would continue to a point approximately 500 feet east of the Woodyard Creek Overflow Bridge where the urban section changes to rural. At this point, the median would taper out to a 32-foot grassed median, and continue eastward while widening to the northern side until reaching Peter's Branch where the alignment shifts northward on new location where it would bypass Argyle to its north side. After crossing the existing power easement, the alignment parallels the easement on its northern side until approximately CR 128 where the alignment would run southward towards Box Creek, then continue eastward. The 32-foot depressed median section would continue until approximately 800 feet west of existing CR 9 in Ware County. From there, the median would taper down to a 14-foot flush median section with rural shoulders until approximately 200 feet east of CR 27. From that point an urban section would begin which would correspond to the existing urban section through Manor and continue through Manor to approximately 1200 feet east of CR 26/Mills Road. From there the 14-foot flush median section with rural shoulders would begin and continue to a point just west of Greasy Branch Creek, east of Manor, where the project would end and PI 522770 would begin. The length of the project is approximately 11.6 miles.

PI 522770 would begin approximately 900 feet west of Greasy Branch Creek and would widen US 84/SR 38 to a four-lane rural section with 32-foot depressed grass median. No significant alignment shift has been proposed. This project would end approximately 1500 feet east of Clough Bay Road, where PI 522780 would start. The length of PI 522770 would be approximately 7.1 miles.

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

Projected Traffic as shown in the approved Concept Report: AADT
Open Year (2017): 6,750 Design Year (2037): 9,500

Updated Traffic: AADT
Open Year (2018): 6,750 Design Year (2038): 9,500

Functional Classification (Mainline): Rural Principal Arterial

VE Study anticipated: ☐ No ☐ Yes ☒ Completed – Date: 7/7/2009
If VE Study has been completed, attach VE Implementation letter.

PROPOSED REVISIONS

Approved Features:	Proposed Features:
Project Termini: PI 422120 begins just west of Woodyard Creek and ends at west of Greasy Branch Creek, east of Manor. PI 522770 begins approximately 900 feet west of Greasy Branch Creek and ends approximately 1500 feet west of Clough Bay Road.	**Project Termini:** The same corridor would consist of three projects. PI 422120 would start west of Woodyard Creek and end at Peagler Crossing/CR 9, the length of this project would be approximately 10.12 miles. PI 0012845 would start at Peagler Crossing/CR9 and end at Fire Tower Road/CR12, the length of this project would be approximately 2.85 miles. PI 522770 would start at Fire Tower Road/CR12 and end approximately 1500 feet east of Clough Bay Road, the length of this project would be approximately 5.65 miles.
Typical Section: PI 422120 US 84/SR 38 (Argyle Bypass) typical section consists of 4 lane roadway with a 32' depressed median and 10' outside shoulders (6.5' paved, 3.5 grassed).	**Typical Section:** PI 422120 US 84/SR 38 (Argyle Bypass) would change the typical section to a 2 lane roadway with a 32' depressed median and 10' outside shoulders (6.5' paved, 3.5' grassed). This typical would be applied from STA. 1270+00 to STA. 1347+00. **Roundabouts:** Two roundabout intersections will be added to the corridor. The first one will be located at the west end of the US 84/SR 38 bypass at approximate station 1269+00. The second will be located at the east end of the US 84/SR 38 bypass at approximate station 1348+50.
Reason(s) for change: ***PI 0012845*** *is needed to facilitate the utility relocation within the city of Manor.* ***PI 422120*** *Add roundabout intersections to allow drivers the option of travelling through the city of Argyle or utilizing the bypass.* ***PI 422120*** *Due to the split in traffic volume between the proposed bypass and the thru traffic on existing SR 38 the typical section was reduced from four lanes down to two lanes on the bypass portion of the project.*	

Design Variances and/or Exceptions needed: *N/A*

ENVIRONMENTAL AND PERMITS

Potential environmental impacts of proposed revision: *N/A.*

Have proposed revisions been reviewed by environmental staff? ☐ No ☒ Yes

Environmental responsibilities (Studies/Documents/Permits): *GDOT.*

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? ☒ No ☐ Yes
Is the project located in an Ozone Non-attainment area? ☒ No ☐ Yes
Is a Carbon Monoxide hotspot analysis required? ☒ No ☐ Yes

PROJECT COST AND ADDITIONAL INFORMATION, PI 422120

Item	Estimated Cost	Date of Estimate	Funded By
Base Construction Cost:	$46,196,163.61	6/13/2014	
Engineering and Inspection:	$2,309,808.18		
Liquid AC Adjustment:	$3,305,353.21		
Total Construction Cost:	$51,811,325.00		GDOT
Right-of-Way:	N/A		N/A
Utilities (reimbursable costs):	$710,000.00		GDOT
Environmental Mitigation:	N/A		N/A
TOTAL PROJECT COST:	**$52,521,325.00**		

PROJECT COST AND ADDITIONAL INFORMATION, PI 0012845

Item	Estimated Cost	Date of Estimate	Funded By
Base Construction Cost:	$7,449,534.79	6/13/2014	
Engineering and Inspection:	$372,476.74		
Liquid AC Adjustment:	$863,503.09		
Total Construction Cost:	$8,685,514.62		
Right-of-Way:	N/A		N/A
Utilities (reimbursable costs):	$1,883,120.00		GDOT
Environmental Mitigation:	N/A		N/A
TOTAL PROJECT COST:	**$10,568,634.62**		

PROJECT COST AND ADDITIONAL INFORMATION, PI 522770

Item	Estimated Cost	Date of Estimate	Funded By
Base Construction Cost:	$15,761,986.84	6/13/2014	
Engineering and Inspection:	$788,099.34		
Liquid AC Adjustment:	$1,422,839.68		
Total Construction Cost:	$17,972,925.86		
Right-of-Way:	N/A		N/A
Utilities (reimbursable costs):	$0		GDOT
Environmental Mitigation:	N/A		N/A
TOTAL PROJECT COST:	**$17,972,925.86**		

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Comments:

Attachments:

1. Location map
2. Preconstruction Status Reports
3. Updated typical sections
4. Updated traffic diagrams
5. Cost Estimates
6. Roundabout Layout

APPROVALS

Concur: _____
Director of Engineering

Approve: _____ 10/26/14
Chief Engineer Date

ATTACHMENTS

NORTH
PI 0012845
PI 422120
PI 522770
Pearson
Millwood
Waycross
Heritage Center
Blackshear
Homeville
Lake Ray
64
221
31
158
4
23
1
15
84
38
82
520
594
441
122
89
168
37
187

Preconstruction Status Report

PI Number: 422120- **SR 38/US 84 FROM W OF WOODYARD CREEK TO W OF GREASY BRANCH**

COUNTY:	Clinch, Ware	**MPO:**	Not Urban	**PRIORITY CD:**		**BASELINE LET DAT**	12/17/14	**MGMT LET DATE:**	3/15/15
LENGTH (MI):	11.6	**TIP #:**		**DOT DIST:**	5	**SCHED LET DATE:**	12/15/15	**MGMT ROW DATE:**	10/21/11
PROJ NO:	EDS00-0084-00(023)	**MODEL YR:**		**CONG. DIST:**	1	**LIGHTING TYPE:**	None	**WHO LETS?**	GDOT Let
PROJ MGR:	Bennett, J. Matt	**TYPE WORK:**	Widening	**BIKE:**	Y			**LET WITH:**	0012845, 422125-
AOHD INITIALS:	BWS	**CONCEPT:**		**MEASURE:**	E				
OFFICE:	Program Delivery	**PROG TYPE:**	Reconstruction/Rehabilitation	**SUFF:**					
CONSULTANT:	No Consultant, GDOT In-House Design	**BOND PROJ:**			57.73 58.19 87.95				
SPONSOR:	GDOT	**DESIGN FIRM:**	GDOT Roadway Design C Sheahan						

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BASE START	BASE FINISH	TASKS	ACTUAL START	ACTUAL FINISH	%
12/2/91	2/3/11	Concept Development Summary	12/2/91	1/27/11	100
4/21/92	4/21/92	Concept Meeting	4/21/92	4/21/92	100
9/10/92	**9/10/92**	**Management Concept Approval Complete**	**9/10/92**	**9/10/92**	**100**
11/12/10	2/3/11	Revised Concept Summary	7/19/10	1/27/11	100
11/6/06	1/8/08	VE Study Summary	11/6/06	1/8/08	100
2/17/11	2/17/11	Public Information Open House Held	2/22/11	2/22/11	100
1/1/00	**7/1/11**	**Environmental Summary**	**1/1/00**	**7/12/11**	**100**
6/26/07	6/26/07	Pub Hear Held/Com Resp (EA/FONSI, GEPA)	6/26/07	6/26/07	100
2/28/00	2/1/08	Database Summary	2/28/00	2/1/08	100
1/9/06	2/1/08	Field Survey Summary	1/9/06	2/1/08	100
2/18/11	6/23/11	Preliminary Roadway Plans	4/29/11	6/27/11	100
2/7/06	7/24/06	Preliminary Bridge Design Summary	2/7/06	7/24/06	100
1/3/14	6/24/14	404 Permit Summary			0
8/1/11	8/1/11	PFPR Inspection	8/11/11	8/11/11	100
7/4/11	7/22/11	R/W Plans Preparation	5/31/11	9/23/11	100
7/25/11	**8/26/11**	**R/W Plans Final Approval**	**9/26/11**	**12/12/11**	**100**
4/11/07	4/11/07	L & D Approval	7/26/11	7/29/11	100
9/23/11	9/23/11	R/W Authorization	2/10/12	2/10/12	100
9/1/07	2/16/12	Soil Survey Summary	9/1/07	4/23/10	100
2/18/11	11/22/11	BFI Report Summary	6/29/11	3/13/13	100
9/6/11	3/18/14	Final Construction Plans	10/17/11		90
11/23/11	11/1/13	Final Bridge Plans Preparation	1/27/12	7/28/14	100
2/3/14	7/23/14	Buffer Variance Applied For			0
5/1/14	5/1/14	FFPR Inspection	9/2/14	9/3/14	100
9/26/14	9/26/14	Submit Final Plans			0
10/17/14	10/17/14	Construction Authorization			0

Phase	Approved	Proposed	Cost	Fund	Status	Date Auth
PE	1995	1995	$4,443,538.20	EDS	AUTHORIZED	7/7/94
PE	2010	2010	$1,499,665.63	L050	AUTHORIZED	7/7/94
PE	NONE	2015	$4,600,000.00	M001	PRECST	7/7/94
ROW	2012	2012	$7,460,000.00	L050	AUTHORIZED	2/10/12
CST	2015	2015	$55,489,212.76	M001	PRECST	
UTL	2015	2015	$981,622.60	M001	PRECST	

COST EST AMTS

PE	$10,543,203.83	7/10/14
ROW	$7,460,000.00	11/30/11
CST	$53,334,499.00	10/3/12
UTL	$943,505.00	10/3/12

STIP AMOUNTS

Activity	Cost	Fund
PE	$0.00	EDS
PE	$0.00	L050
PE	$0.00	M001
ROW	$7,055,850.00	L050
CST	$55,489,212.76	M001
UTL	$981,622.60	M001

District Comments

JMB 9-23-14: Sch'l is tight.....FFPR will be held SEPT 2-3, 2014. Critical path is Eco Addendum & finalizing ROW.
ROW appraisals needed for Argyle. RR package submitted. 2nd submission plans submitted. Lighting plans are now being pursued, T.O. is underway. CES updated & shows a 15% increase in CST cost, however, update has not yet been submitted as of yet.

Bridge:	LAI 7/29/14 - FINAL PLANS SENT OUT 7/28/14
Conceptual Desig	PHOH 06/26/07 - RESPONSES SENT; XFERRED TO OCD - 02-27-08
Design:	YT: Behind schedule. FFPR held on 09/02/14. Next mielestones are modify roundabouts and corrected FFPR plans submission by 11/14/14. Comment updated 09/04/14.
EIS:	EA|Re 03Nov11| OnSched15Mar15 Let I Burgess/Hall29Aug14
EMG:	RECST/REHAB(WIDEN); C=M(H)/S(WLJ)/D(HL);FLY 6417/'05=1/20/05
Engr Services:	VE Letter Approved 1/08/08 ESTIMATING: Need 18 Weeks Plans Package & CES Due 11/14/14. DDC:15August2014 Received the FFPR Request. CSL:ffpr report 9-11-13. Responses due 9-25-14
LGPA:	DOT TO FUND UTILITIES PER FRANK DANCHETZ 4-19-93
PDD:	BOND. WETLAND PROBLEMS! OEL needs $. 11/19/02.
Permits:	INDIVIDUAL PERMIT REQUIRED. REPSONDED TO PAR COMMENTS.
Planning:	on the SE GA Regional Bike and Pedestrian Plan as a proposed bike route
Prog. Develop:	EDS CST funds for $26.325M converted to H050
Programming:	CONFIRMED EXEMPT PER FHWA 6-1-2014|1625 11-05; 7-06; 6-07|TEMP SR 1202 & 1202TA|#1 6-2010|#2 9-2012|#3 2-2013|#4 1-2014|#5 8-2014|#6 9-2014
Railroad:	CSX- Need Railroad Rev Prelim Plns.
ROW:	Wetland Mitigation acquisition 4-26-02; Detailed R/W Cost Estimate submitted 11-23-2011-$7,460,000.00

Pre Parcel CT	114	**Total Parcel in ROW System:**	118	**Cond Filed:**	1	**Acquired by:**	DOT	**DEEDS CT:**	85
Under Review	6	**Options Pending:**	8	**Relocations:**	19	**Acquisition MGR:**	Bradford, Kim		
Released:	107	**Condemnations - Pend:**	0	**Acquired:**	86	**R/W Cert Date:**			

Preconstruction Status Report

PI Number: 0012845 **SR 38/US 84 FROM PEAGLER CROSSING ROAD TO FIRE TOWER ROAD**

COUNTY:	Ware	**MPO:**	Not Urban	**PRIORITY CD:**		**BASELINE LET DAT**	12/17/14	**MGMT LET DATE:**	3/15/15
LENGTH (MI):	2.83	**TIP #:**		**DOT DIST:**	5	**SCHED LET DATE:**	12/15/15	**MGMT ROW DATE:**	
PROJ NO:		**MODEL YR:**		**CONG. DIST:**	1	**LIGHTING TYPE:**	None	**WHO LETS?**	GDOT Let
PROJ MGR:	Bennett, J. Matt	**TYPE WORK:**	Widening	**BIKE:**	N			**LET WITH:**	422120-, 422125-
AOHD INITIALS:	BWS	**CONCEPT:**		**MEASURE:**					
OFFICE:	Program Delivery	**PROG TYPE:**	Reconstruction/Rehabilitation	**SUFF:**					
CONSULTANT:	No Consultant, GDOT In-House Design	**BOND PROJ:**							
SPONSOR:	GDOT	**DESIGN FIRM:**	GDOT Roadway Design C Sheahan						

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BASE START	BASE FINISH	TASKS	ACTUAL START	ACTUAL FINISH	%
12/2/91	2/3/11	Concept Development Summary	12/2/91	1/27/11	100
4/21/92	4/21/92	Concept Meeting	4/21/92	4/21/92	100
9/10/92	**9/10/92**	**Management Concept Approval Complete**	**9/10/92**	**9/10/92**	**100**
11/12/10	2/3/11	Revised Concept Summary	7/19/10	1/27/11	100
11/6/06	1/8/08	VE Study Summary	11/6/06	1/8/08	100
2/17/11	2/17/11	Public Information Open House Held	2/22/11	2/22/11	100
1/1/00	**7/1/11**	**Environmental Summary**	**1/1/00**	**7/12/11**	**100**
6/26/07	6/26/07	Pub Hear Held/Com Resp (EA/FONSI, GEPA)	6/26/07	6/26/07	100
2/28/00	2/1/08	Database Summary	2/28/00	2/1/08	100
1/9/06	2/1/08	Field Survey Summary	1/9/06	2/1/08	100
2/18/11	6/23/11	Preliminary Roadway Plans	4/29/11	6/27/11	100
2/7/06	7/24/06	Preliminary Bridge Design Summary	2/7/06	7/24/06	100
1/3/14	6/24/14	404 Permit Summary			0
8/1/11	8/1/11	PFPR Inspection	8/11/11	8/11/11	100
7/4/11	7/22/11	R/W Plans Preparation	5/31/11	9/23/11	100
7/25/11	**8/26/11**	**R/W Plans Final Approval**	**9/26/11**	**12/12/11**	**100**
4/11/07	4/11/07	L & D Approval	7/26/11	7/29/11	100
9/23/11	9/23/11	R/W Authorization	2/10/12	2/10/12	100
9/1/07	2/16/12	Soil Survey Summary	9/1/07	4/23/10	100
2/18/11	11/22/11	BFI Report Summary	6/29/11	3/13/13	100
9/6/11	3/18/14	Final Construction Plans	10/17/11		90
11/23/11	11/1/13	Final Bridge Plans Preparation	1/27/12		90
2/3/14	7/23/14	Buffer Variance Applied For			0
5/1/14	5/1/14	FFPR Inspection	9/2/14	9/3/14	100
9/26/14	9/26/14	Submit Final Plans			0
10/17/14	10/17/14	Construction Authorization			0

Phase	Approved	Proposed	Cost	Fund	Status	Date Auth
PE	2014	2014	$50,000.00	Q05	AUTHORIZED	3/17/14
CST	2015	2015	$4,454,000.00	M001	PRECST	
UTL	2015	2015	$1,883,120.00	M001	PRECST	

COST EST AMTS

PE	$50,000.00
CST	$4,454,000.00
UTL	$1,883,120.00

STIP AMOUNTS

Activity	Cost	Fund
PE	$50,000.00	Q05
CST	$4,454,000.00	M001
UTL	$1,883,120.00	M001

District Comments

JMB 9-23-14: Sch'l is tight.....critical path is Eco Addendum & finalizing ROW. PID 2nd submissions submitted. FFPR held Sept 2-3, 2014. Once FFPR is complete, project will need to be twinned back to 522770 rather than staying with 422120. CES updated & shows a significant increase increase in CST cost, however, update has not yet been submitted as of yet due to research on cost history.

Design: FF: Behind schedule. FFPR held on 09/02/14. Next deliverable is submit corrected FFPR plans by 10/17/14. Comment updated 09/04/14.

EIS: TBD

Engr Services: VE Letter Approved 1/8/08. ESTIMATING: Need 18 Weeks Plans Package & CES Due 11/14/14. DDC:15August2014 Received the FFPR Request.CSL:FFPR report 9-11-14. Responses dues 9-25-14.

LGPA: TO BE DETERMINED

Prog. Develop: PE STIP AMENDMENT #7 2-2014

Programming: CONFIRMED EXEMPT PER FHWA 6-1-2014|SPLIT FROM PI# 422120- & 522770-

STIP: Widen from 2 to 4 lanes-improve operation and mobility-enhance economic development-on a GRIP corridor-on a State Freight corridor

Utility: PID Project - It is in the scope of services for the consultant, Glenn Williams with So-Deep, to handle all utility coordination thru Utility Certification. Preliminary Utility Cost Estimate - 07-01-2013

Pre Parcel CT	**Total Parcel in ROW System:**	**Cond Filed:**	**Acquired by:**	N/R	**DEEDS CT:**
Under Review	**Options Pending:**	**Relocations:**	**Acquisition MGR:**		
Released:	**Condemnations - Pend:**	**Acquired:**	**R/W Cert Date:**		

Preconstruction Status Report

PI Number: 522770- **SR 38/US 84 FM W OF GREASY BRANCH CK TO W OF CR 88/RUSKIN RD**

COUNTY:	Ware	**MPO:**	Not Urban	**PRIORITY CD:**		**BASELINE LET DAT**	11/10/14	**MGMT LET DATE:**	2/15/15
LENGTH (MI):	7.6	**TIP #:**		**DOT DIST:**	5	**SCHED LET DATE:**	11/29/16	**MGMT ROW DATE:**	6/15/12
PROJ NO:	EDS00-0084-00(026)	**MODEL YR:**		**CONG. DIST:**	1	**LIGHTING TYPE:**	None	**WHO LETS?**	GDOT Let
PROJ MGR:	Bennett, J. Matt	**TYPE WORK:**	Widening	**BIKE:**	Y			**LET WITH:**	522775-
AOHD INITIALS:	BWS	**CONCEPT:**		**MEASURE:**	E				
OFFICE:	Program Delivery	**PROG TYPE:**	Reconstruction/Rehabilitation	**SUFF:**					
CONSULTANT:	No Consultant, GDOT In-House Design	**BOND PROJ:**							
SPONSOR:	GDOT	**DESIGN FIRM:**	GDOT Roadway Design C Sheahan						

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BASE START	BASE FINISH	TASKS	ACTUAL START	ACTUAL FINISH	%
7/14/95	6/30/02	Concept Development Summary	7/14/95	7/23/04	100
6/23/99	6/23/99	Concept Meeting	6/23/99	6/23/99	100
11/24/99	**11/24/99**	**Management Concept Approval Complete**	**11/24/99**	**11/24/99**	**100**
6/1/04	7/23/04	Revised Concept Summary	6/1/04	7/23/04	100
2/8/07	5/17/08	VE Study Summary	2/8/07	5/17/08	100
1/30/06	1/30/06	Public Information Open House Held	2/22/11	2/22/11	100
1/1/00	**7/14/11**	**Environmental Summary**	**1/1/00**	**7/12/11**	**100**
6/26/07	6/26/07	Pub Hear Held/Com Resp (EA/FONSI, GEPA)	6/26/07	6/26/07	100
8/18/09	4/1/11	Database Summary	2/10/05	3/24/11	100
5/19/10	4/1/11	Field Survey Summary	5/17/09	3/24/11	100
10/11/06	1/6/12	Preliminary Roadway Plans	10/11/06	1/26/12	100
4/4/11	9/23/11	Preliminary Bridge Design Summary	3/30/11	11/17/11	100
12/30/13	6/13/14	404 Permit Summary			0
2/6/12	2/6/12	PFPR Inspection	3/7/12	3/7/12	100
2/7/12	3/5/12	R/W Plans Preparation	3/8/12	4/13/12	100
3/6/12	**4/20/12**	**R/W Plans Final Approval**	**5/23/12**	**5/23/12**	**100**
3/6/12	3/8/12	L & D Approval	8/17/11	8/29/11	100
6/15/12	6/15/12	R/W Authorization	6/29/12	6/29/12	100
1/9/12	8/22/12	Soil Survey Summary	5/5/11	10/12/13	100
9/26/11	6/27/12	BFI Report Summary	11/9/12	12/5/13	100
3/9/12	4/17/14	Final Construction Plans	5/23/12	7/18/15	100
6/28/12	4/2/14	Final Bridge Plans Preparation	10/16/12		50
5/23/14	5/23/14	FFPR Inspection	8/7/14	8/7/14	100
8/28/14	8/28/14	Submit Final Plans			0
9/18/14	9/18/14	Construction Authorization			0

Phase	Approved	Proposed	Cost	Fund	Status	Date Auth
PE	1995	1995	$372,000.00	EDS	AUTHORIZED	7/7/94
PE	2003	2003	$880,827.61	CFTS	AUTHORIZED	7/7/94
PE	2003	2003	$1,293,504.71	L050	AUTHORIZED	7/7/94
ROW	2012	2012	$3,130,000.00	L050	AUTHORIZED	6/29/12
CST	2015	2015	$23,288,135.69	M001	PRECST	

COST EST AMTS

PE	$2,546,332.32	
ROW	$3,130,000.00	6/1/12
CST	$22,383,829.00	10/3/12

STIP AMOUNTS

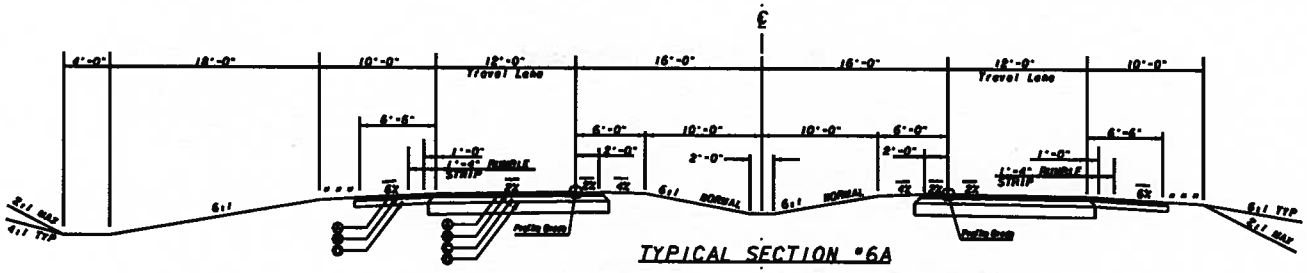
Activity	Cost	Fund
PE	$0.00	CFTS
PE	$0.00	EDS
PE	$0.00	L050
ROW	$2,308,260.01	L050
CST	$23,288,135.69	M001

District Comments

JMB 9-23-14: Sch'l is tight.....FFPR held August 7th. Tied environmentally to issues on 422120 with Argyle bypass.....critical path is Eco Addendum & finalizing ROW.

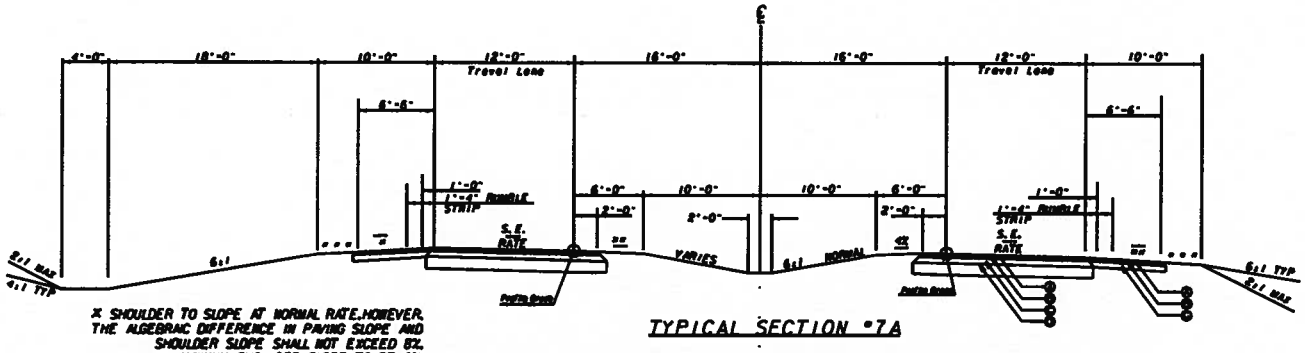
Bridge:	SEE 522775
Conceptual Desig	PHOH 06/26/07 - RESPONSES SENT; XFERRED TO OCD - 02-27-08
Design:	FF: Behind schedule. FFPR meeting held on 08/07/15. Next deliverable is submit corrected FFPR plans by 10/17/14. Comment updated 09/04/14.
EIS:	EA |Re 03Nov11| RecovWillCertLetBy05Dec14 I Burgess/Hall02Sep14
EMG:	2179(H83(94)-E/V88) 8/17/2009
Engr Services:	VE Letter Approved 5/17/08. ESTIMATING: Need 18 Weeks Plans Package & CES by 10/17/14. DDC:21July2014 Received FFPR Plans Package. JMK:FFPR report dist. 8/11/14. Responses accepted 8/25/14
LGPA:	WARE SGN DO UTILITIES 3-11-02|RESCISSION LETTER SENT TO WARE 12-15-05.
PDD:	BOND. PAR & CONCEPT TOGETHER. 6/23/00. w/522775. Reassign to Consult Des 4/25/01.
Planning:	on the SE GA Regional Bike and Pedestrian Plan as proposed bike route
Prog. Develop:	EDS CST funds for $15.346M were converted to H050
Programming:	CONFIRMED EXEMPT PER FHWA 6-1-2014|#1 9-05|#2 4-06|#3 9-07|#4 2-08|#5 7-08|#6 5-2010|#7 5-2014|#8 7-2014
ROW:	218 AC JEROME CROSBY TRACT ACQ 4-26-02
STIP:	Widen from two to four lanes-improve operation and mobility-enhance economic development-on GRIP corridor-on State Freight corridor
Traffic Op:	>nd plans;SEND REQ4S/M/SIG(?)@50% COMP!PFPRsnt3/7/12KW/NR
Utility:	4 of 4 2nd Submission plans to design 07-16-13 - 3 of 4 New GUPS permits rec'd. New GUPS permit from Bellsouth is in progress. Manor Water Association moved to PI No. 0012845(March 31,2014) - Verizon handled by ROW with cost to cure - Updated Util cost Est 02-25-2014

Pre Parcel CT	69	**Total Parcel in ROW System:**	78	**Cond Filed:**	12	**Acquired by:**	DOT	**DEEDS CT:**	66
Under Review	0	**Options Pending:**	0	**Relocations:**	6	**Acquisition MGR:**	O'Quinn, Andy		
Released:	75	**Condemnations - Pend:**	0	**Acquired:**	78	**R/W Cert Date:**			



TYPICAL SECTION #6A

RURAL FULL DEPTH TANGENT SECTION - US 84/SR 38 (Argyle Bypass)
STA. 1270+00 TO 1347+00



* SHOULDER TO SLOPE AT NORMAL RATE.HOWEVER, THE ALGEBRAIC DIFFERENCE IN PAVING SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 6%. MINIMUM SHOULDER SLOPE TO BE 2%.

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

*** SAFETY SLOPE.SEE GDOT CONSTRUCTION DETAIL P-7

TYPICAL SECTION #7A

RURAL FULL DEPTH SUPERELEVATED SECTION - US 84/SR 38 (Argyle Bypass)
SEE ROADWAY PLANS FOR LOCATION AND SUPERELEVATION RATES

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME 865 LBS/STI
- (B) RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1OR 2, INCL BITUM MATL & H LIME 1220 LBS/STI
- (C) RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1OR 2, INCL BITUM MATL & H LIME 440 LBS/STI
- (D) GR AGGR BASE CRS, 12 INCH, INCL MATL
- (E) GR AGGR BASE CRS, 6 INCH, INCL MATL

SLOPE CONTROL FILL & CUT	
SLOPE	HIGH FROM SHLD. PT.
4:1	0' - 10'
*2:1	OVER 10'

*GUARDRAIL IS REQUIRED ON FILL SECTION WITH SLOPES AT 2:1

GEORGIA
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

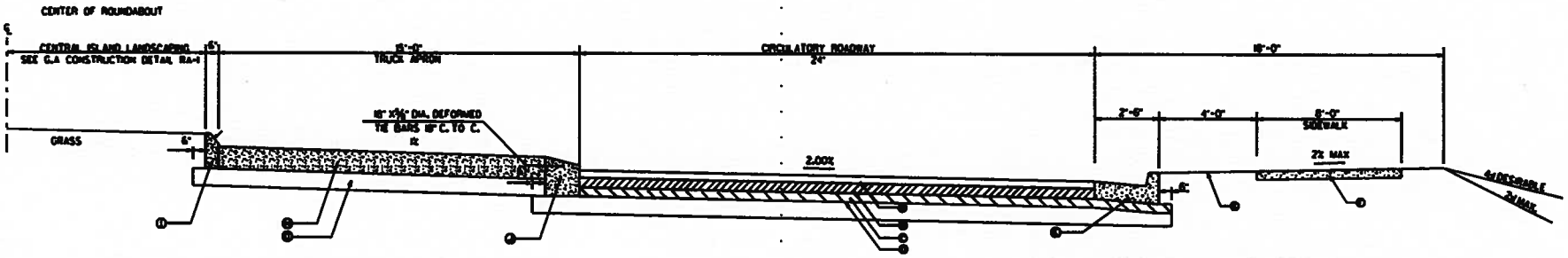
REVISION DATES

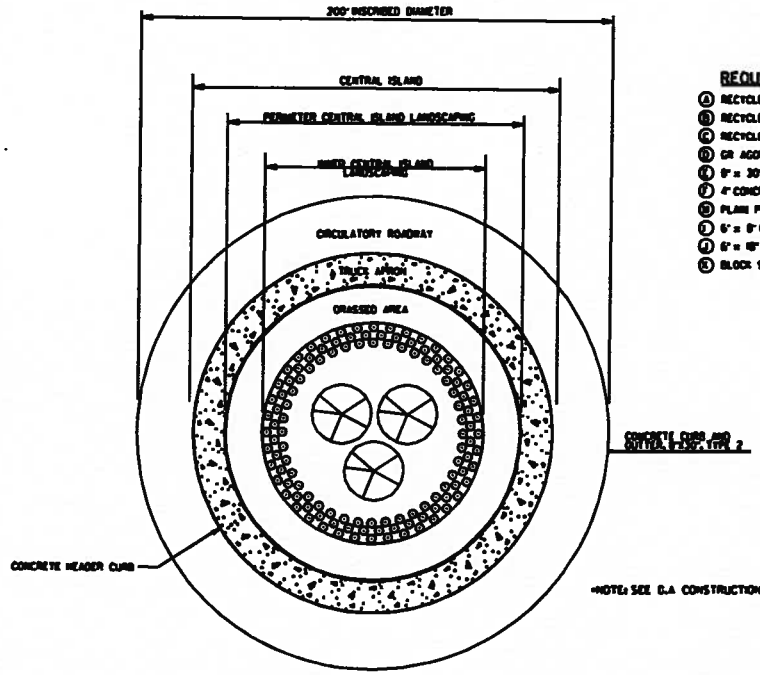
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
TYPICAL SECTIONS
US 84/SR 38 WIDENING
CLINCH/WARE COUNTIES

005-003

6/6/2014 #SER:00874359	12:38:16 PM Plot Title C:\GDOT\GDOTROAD\tables\Splotborder-half.tbl	m:\422120\DGN\422120TY01.dgn(0:5, 42, 43, 45-50, 57-63))	STATE GA	PROJECT NUMBER 0006000-0006-0010031	SHEET NO.	TOTAL SHEETS

TS-6A I
CIRCULATORY LANE





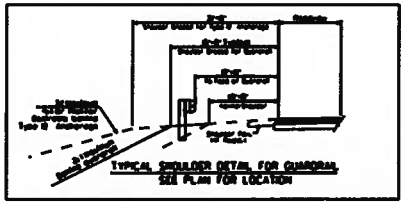
*NOTE: SEE G.A CONSTRUCTION DETAIL RA-1 FOR LANDSCAPING DETAILS

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME 665 LBS/SYI
- (B) RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME 220 LBS/SYI
- (C) RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME 440 LBS/SYI
- (D) GR AGGR BASE CRS, 12 INCH, INCL MATL
- (E) 8" x 30" CONCRETE CURB & GUTTER, GA. STD. 9032B, TYPE 2
- (F) 4" CONCRETE SIDEWALK
- (G) PLANT PC CONC PVMT, CL HES-CONC, 10" THK
- (I) 6" x 8" CONC. HEADER CURB, GA. STD. 9032B, TYPE 7
- (J) 6" x 18" CONC. HEADER CURB, GA. STD. 9032B, TYPE 9
- (K) BLOCK SOD

SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0'-6"	0'-10"
3:1	0'-10"	--
2:1	REQ'D 10'-OVER 10'	

*REQUIRES GUARDRAIL



SHOULDER DETAIL FOR GUARDRAIL

NOTE: CENTRAL ISLAND TO BE GRASSED.

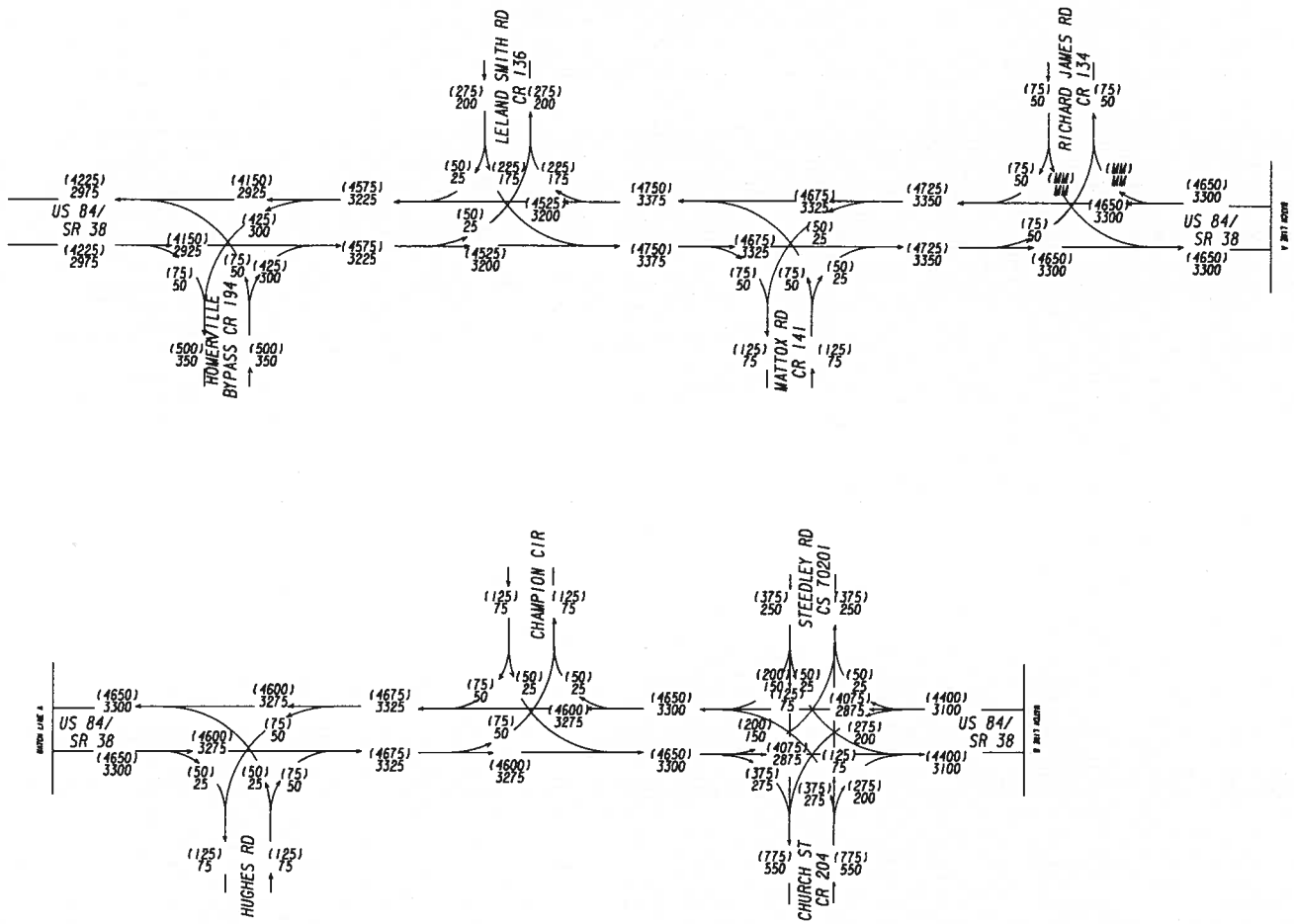
NOTE: FOR METHOD OF SUPERELEVATION SEE CONSTRUCTION PLAN SHEETS CURVE DATA. LOCATIONS OF NORMAL CROWN, OR SLOPE, REVERSE CROWN, AND FULL S.E. NOTED ON CONSTRUCTION CENTERLINE.

*NOTE: SLOPES MAY VARY FLATTER THAN 3:1 TO FIT FIELD CONDITIONS. SEE EARTHWORK X-SEC.

Δ NOTE: THE ALGEBRAIC DIFFERENCE IN PAVING SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8.0%

GEORGIA DEPARTMENT OF TRANSPORTATION	NOT TO SCALE	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: ROADWAY DESIGN TYPICAL SECTIONS US 84/SR 38 WIDENING CLINCH/WARE COUNTIES	DRAWING NO. 005-003

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	0007620	3	8



CLINCH COUNTY

N

EDS00-0084-00(023)
P.I. # 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2038 ADT= (000)
2018 ADT= 000
NO BUILD

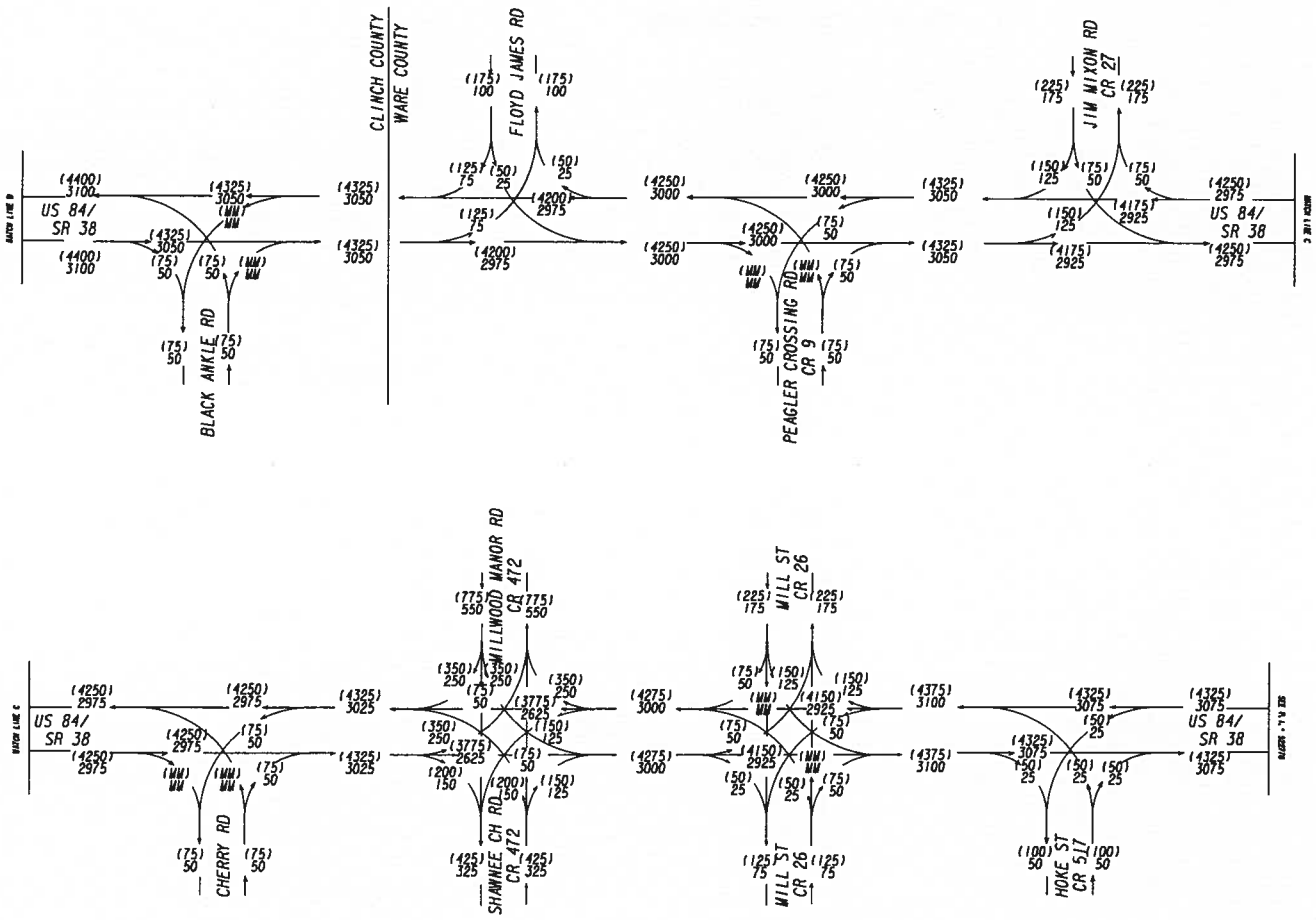
24 HOUR T= 26%
SU= 5%
COMB= 21%

REVISION DATES
RFA 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING NO. 10-5

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	0007620	1	1



WARE COUNTY

N

EDS00-0084-00(023)
P.I. # 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2038 ADT= (000)
2018 ADT= 000
NO BUILD

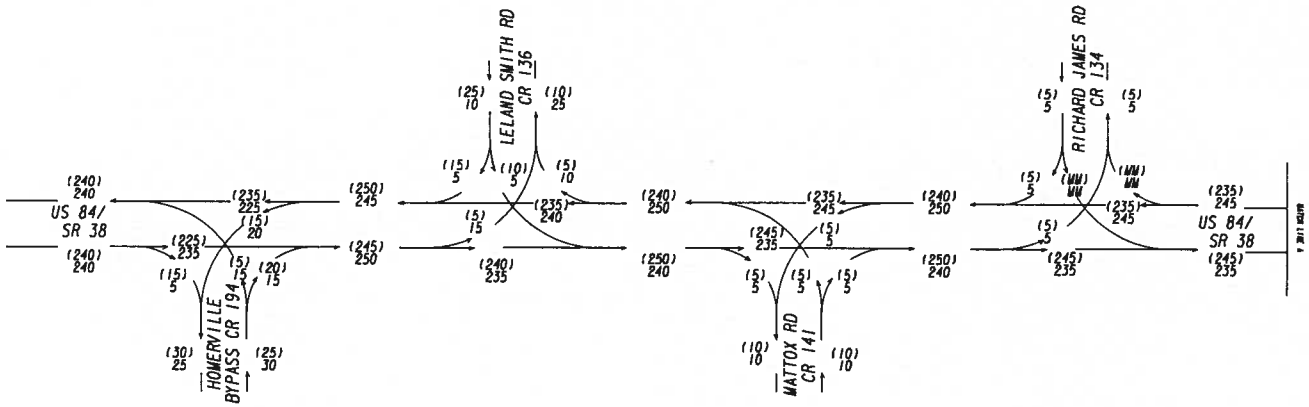
24 HOUR T= 26%
SU= 5%
COMB= 21%

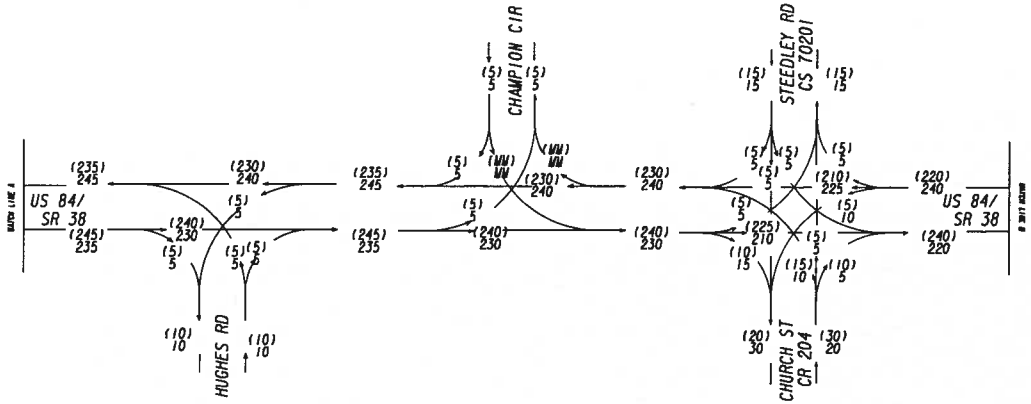
REVISION DATES
RFR 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-6

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	1	8





CLINCH COUNTY

N

EDS00-0084-00(023)
P. I. # 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD
CK/CLINCH TOW OF GREASY CK/WARE

2018 PM DHV= (000)
2018 AM DHV= 000
NO BUILD

T= 24.5%
SU= 4.5%
COMB= 20%

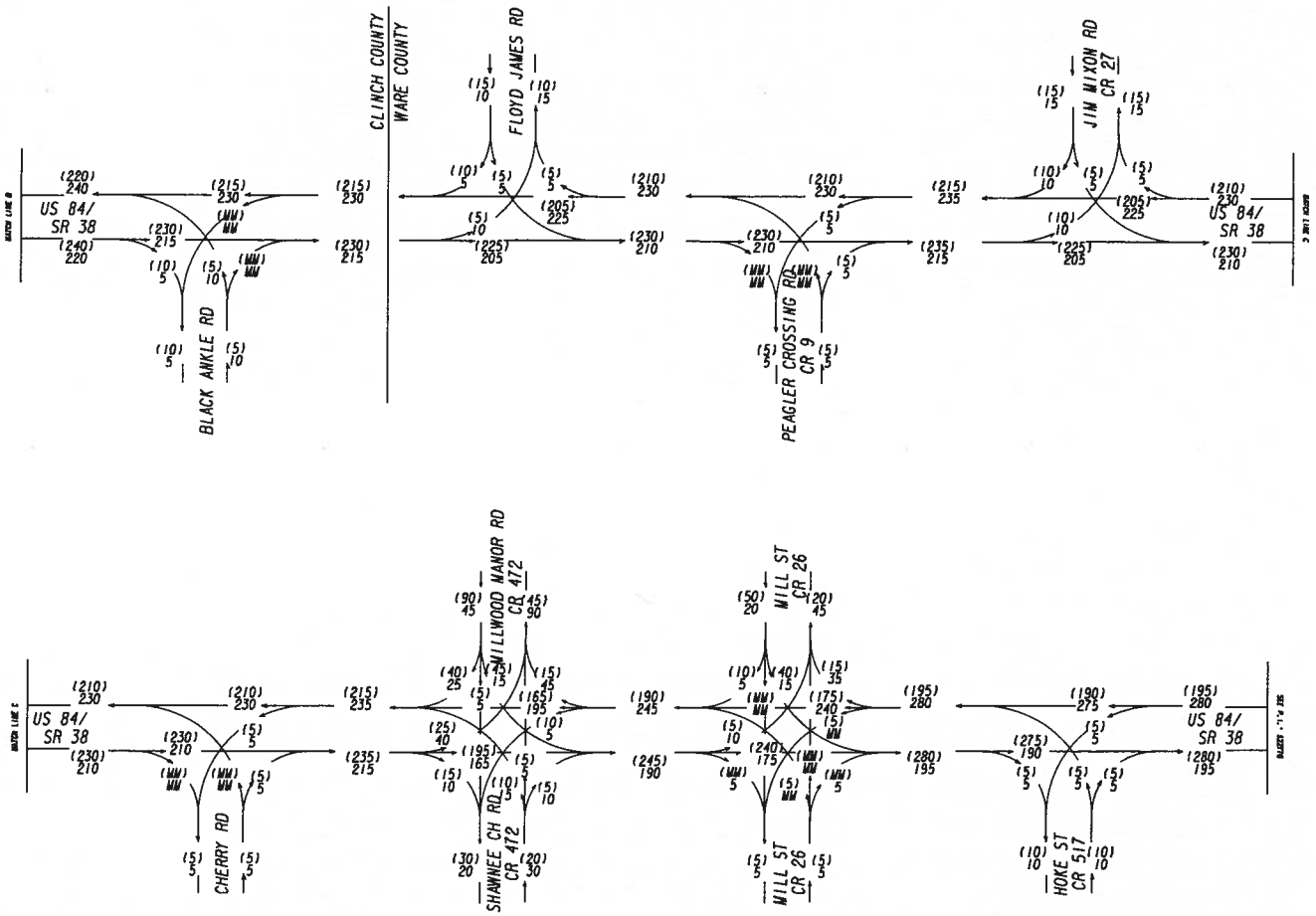
REVISION DATES
RFN 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING

TRAFFIC DIAGRAM

DRAWING NO. 10-7

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	4	6



WARE COUNTY

N

EDS00-0084-00(023)
P.I.# 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2018 PM DHV= (000)
2018 AM DHV= 000
NO BUILD

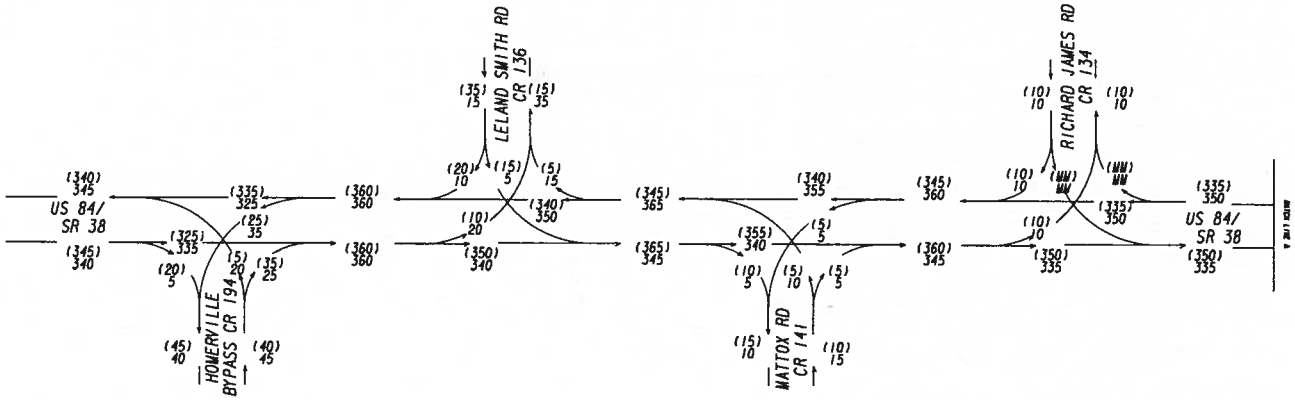
T= 24.5%
SU= 4.5%
COMB= 20%

REVISION DATES
MFN 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

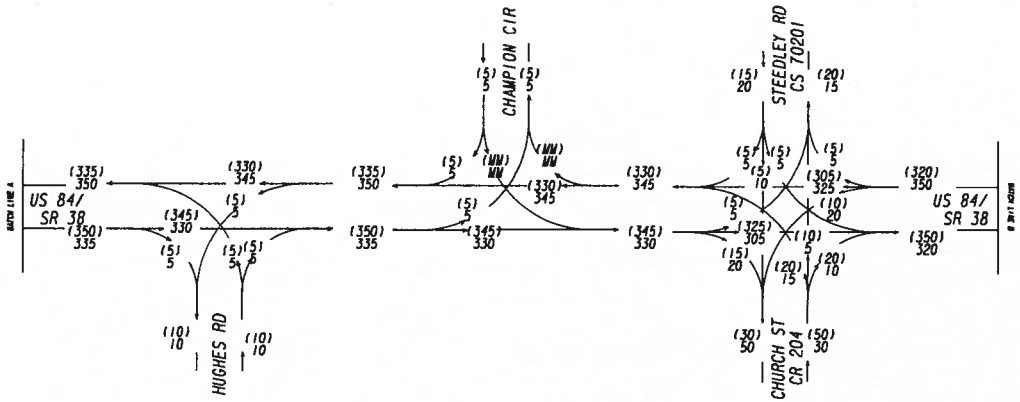
DRAWING No. 10-8

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	5	8



CLINCH
COUNTY

N



EDS00-0084-001(023)
P.I.# 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD
CK/CLINCH TOW OF GREASY CK/WARE

2038 PM DHV= (000)
2038 AM DHV= 000
NO BUILD

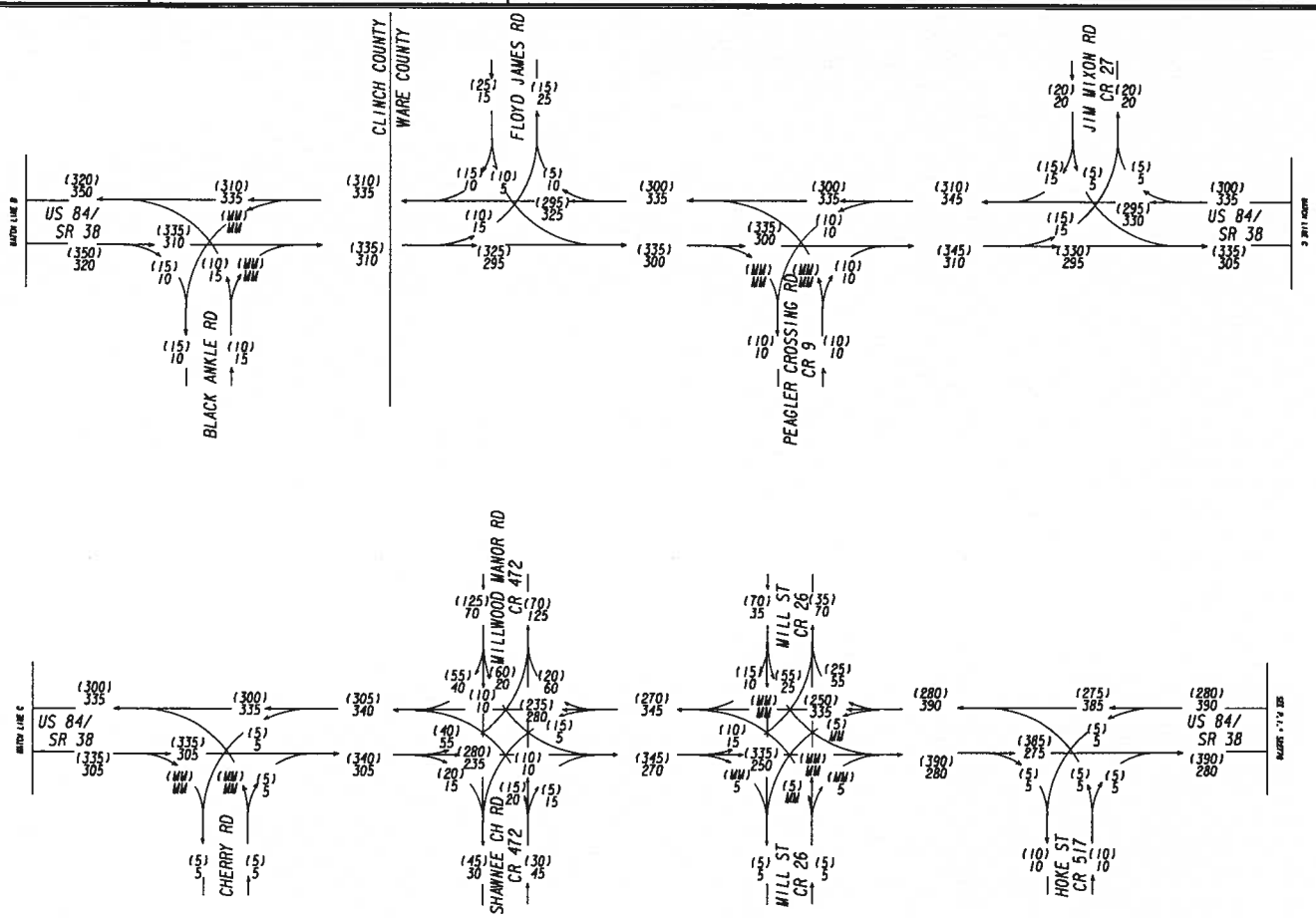
T= 24.5%
SU= 4.5%
COMB= 20%

REVISION DATES		
RFN 6/2014		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-9

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	5	8



WARE COUNTY

N

EDS00-0084-00(023)
P.I. # 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2038 PM DHV= (000)
2038 AM DHV= 000
NO BUILD

T= 24.5%
SU= 4.5%
COMB= 20%

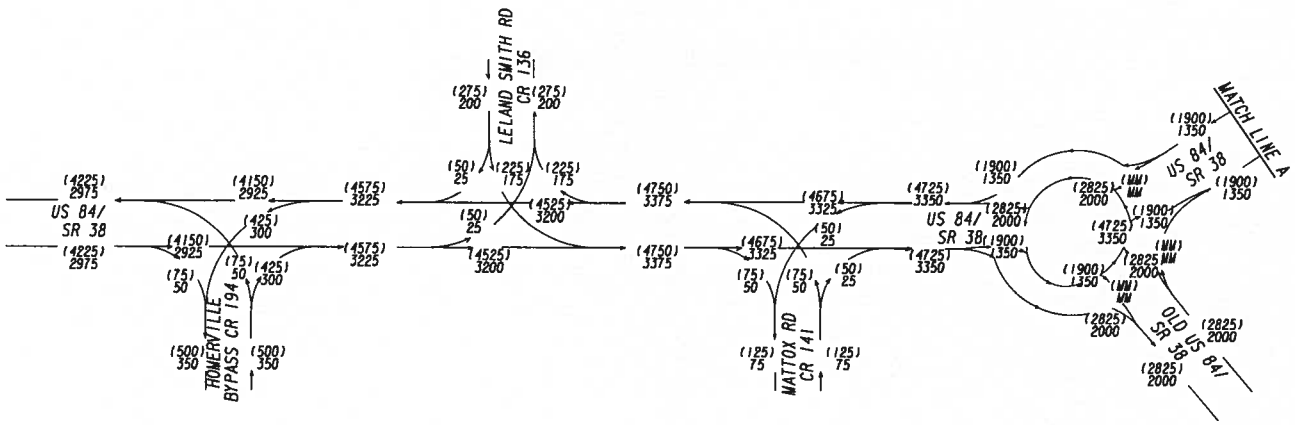
REVISION DATES
RFA 6/2014

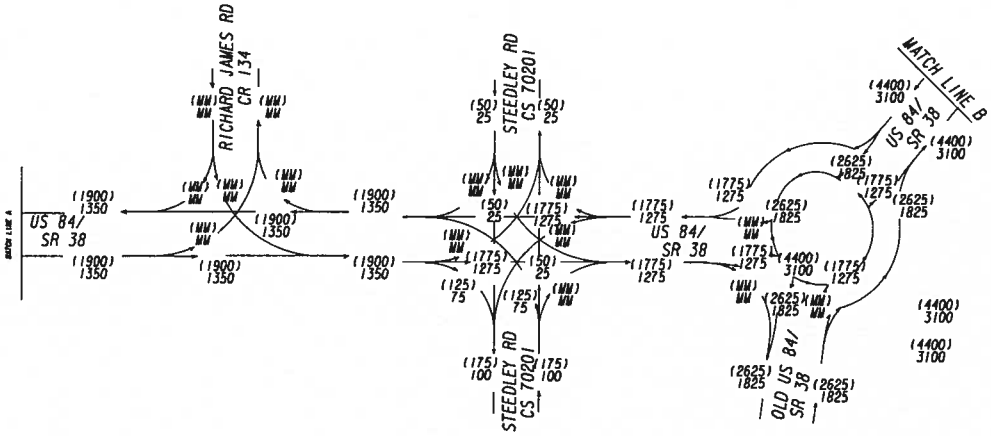
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-10

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	6	8

CLINCH COUNTY





EDS00-0084-00(023)
P.I.# 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2038 ADT= (000)
2018 ADT= 000
BUILD

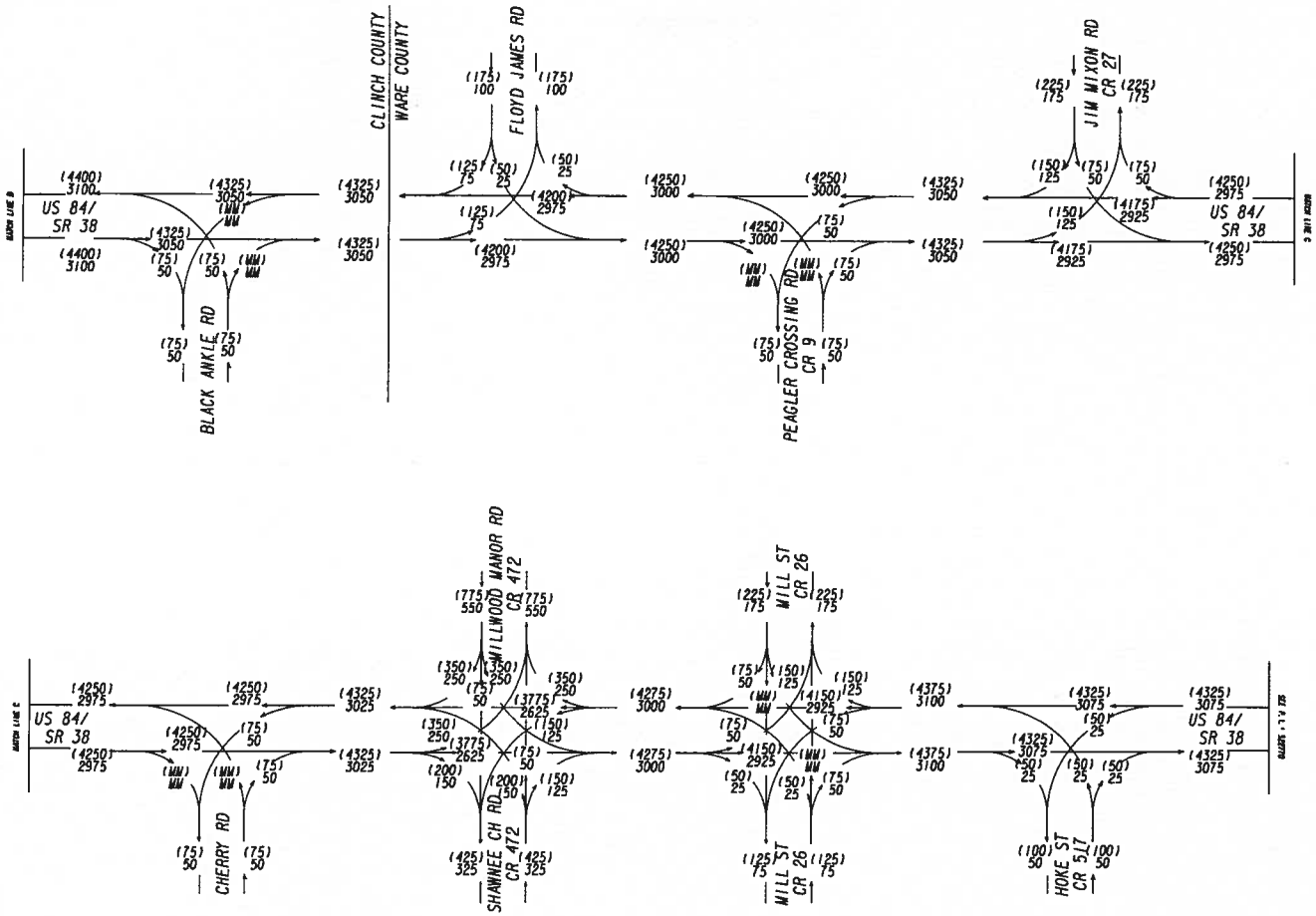
24 HOUR T= 11%
SU= 4%
COMB= 7%

REVISION DATES
AFN 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-11

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	6	6



WARE COUNTY

N

EDS00-0084-00(023)
P.I. # 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2038 ADT= (000)
2018 ADT= 000
BUILD_

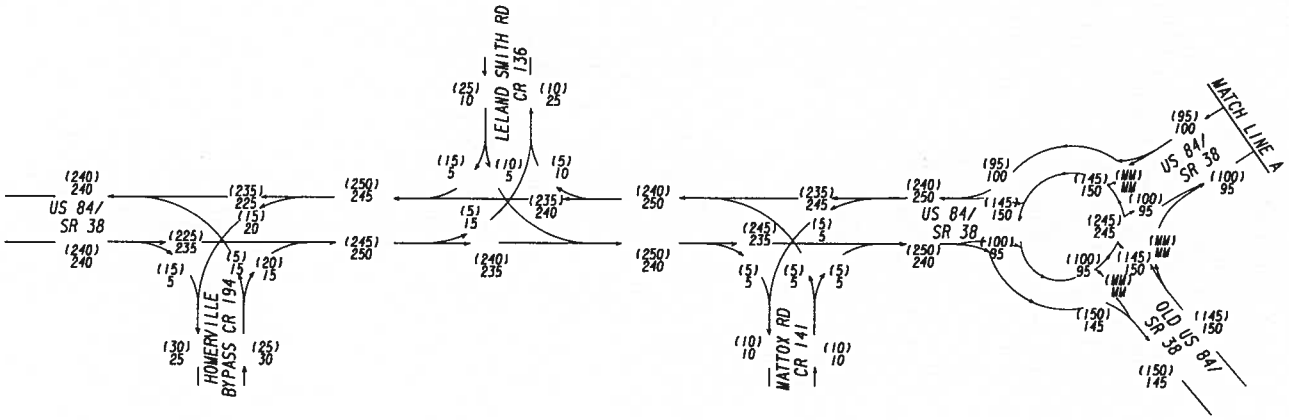
24 HOUR T= 11%
SU= 4%
COMB= 7%

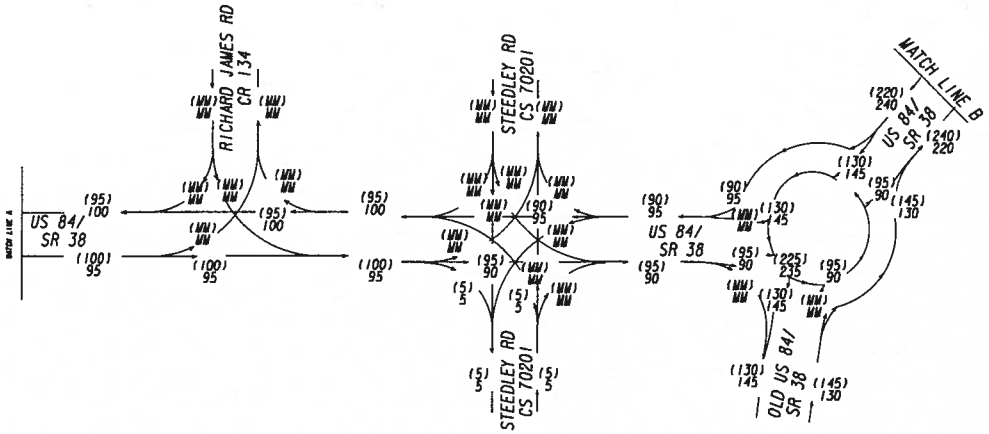
REVISION DATES		
RFH 6/2014		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-12

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	7	8





CLINCH COUNTY

N

EDS00-0084-00(023)
P. I. # 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2018 PM DHV = (000)
2018 AM DHV = 000
BUILD

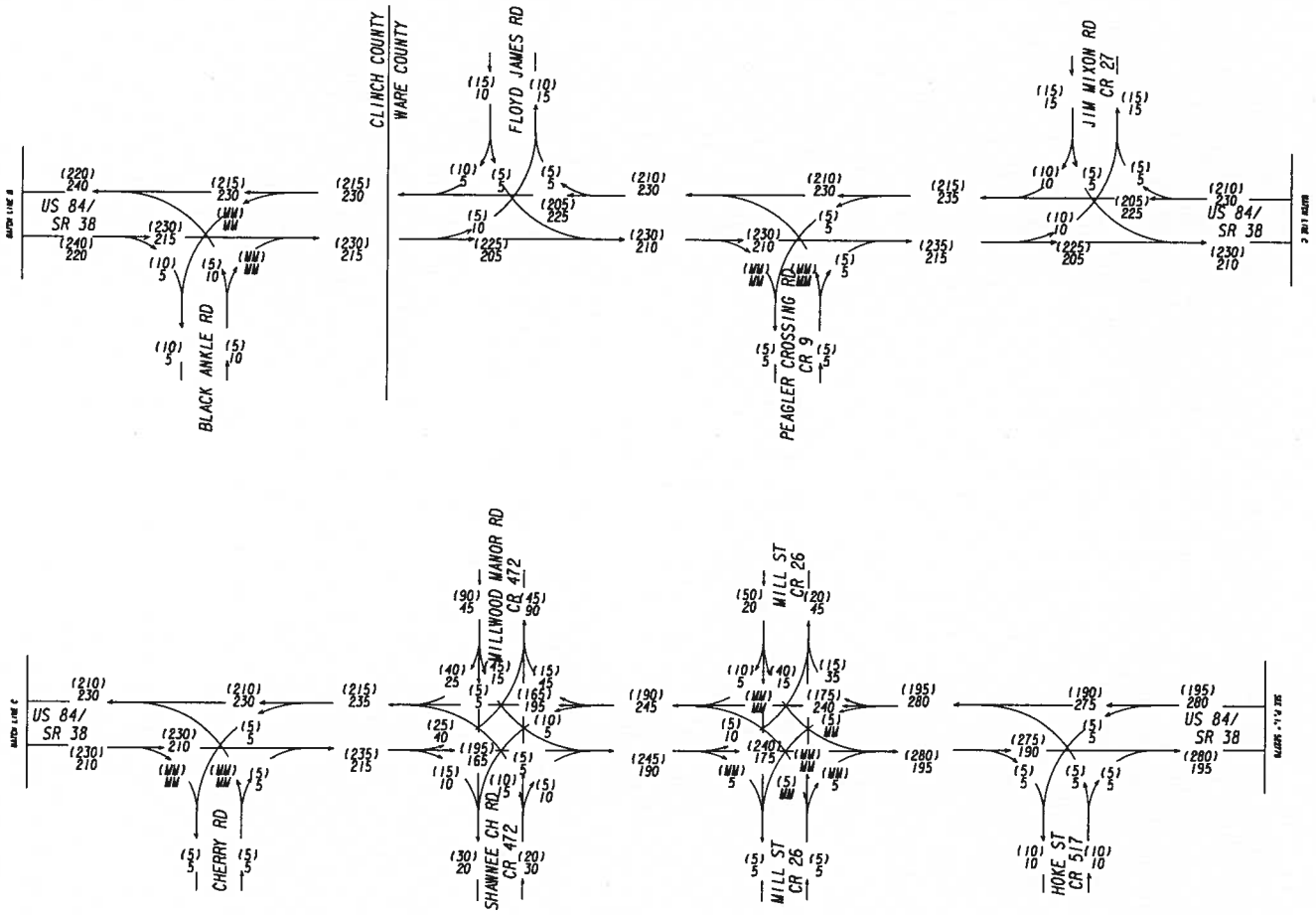
T = 24.5%
SU = 4.5%
COMB = 20%

REVISION DATES
RFN 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-13

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	7	8



WARE COUNTY

N

EDS00-0084-00(023)
P. I. # 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2018 PM DHV= (000)
2018 AM DHV= 000
BUILD

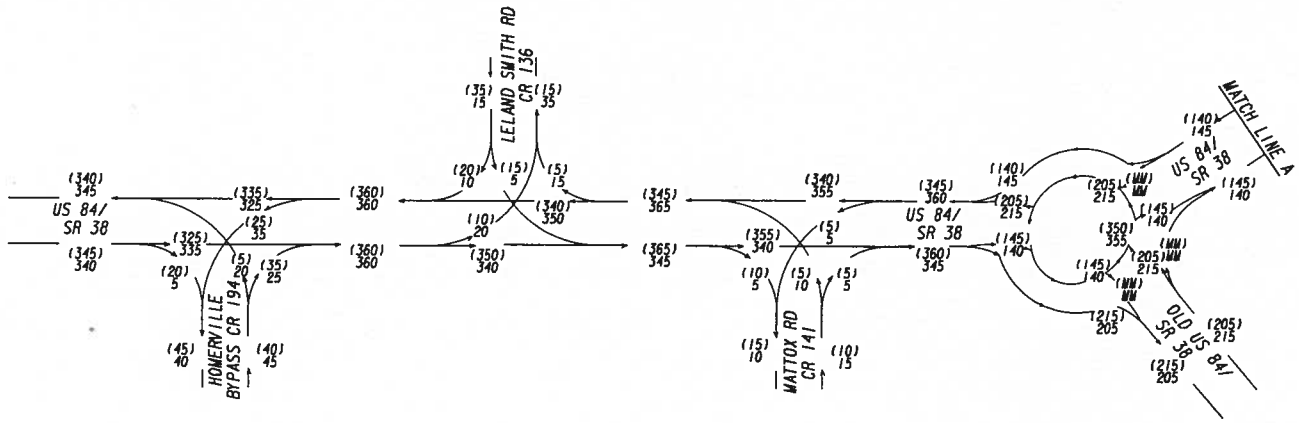
T= 24.5%
SU= 4.5%
COMB= 20%

REVISION DATES
RFW 6/2014

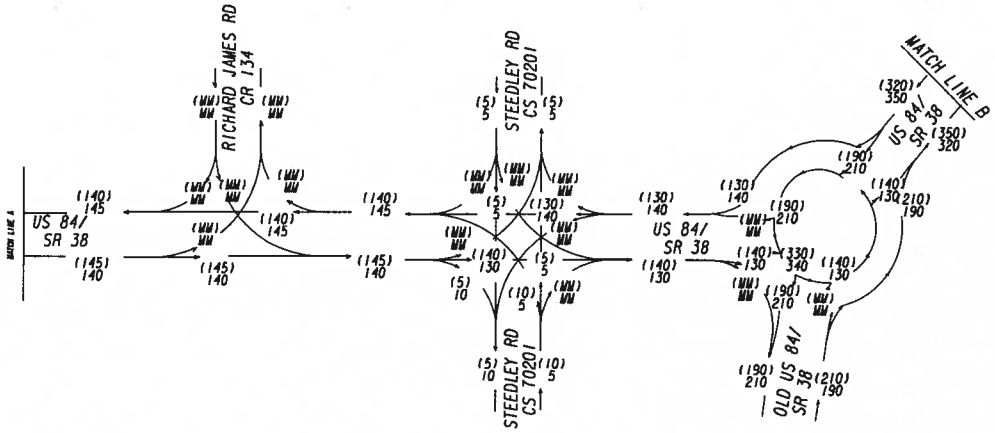
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-14

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	8	8



CLINCH
COUNTY



EDS00-0084-00(023)
P.I.# 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD
CK/CLINCH TOW OF GREASY CK/WARE

2038 DHV= (000)
2038 DHV= 000
BUILD

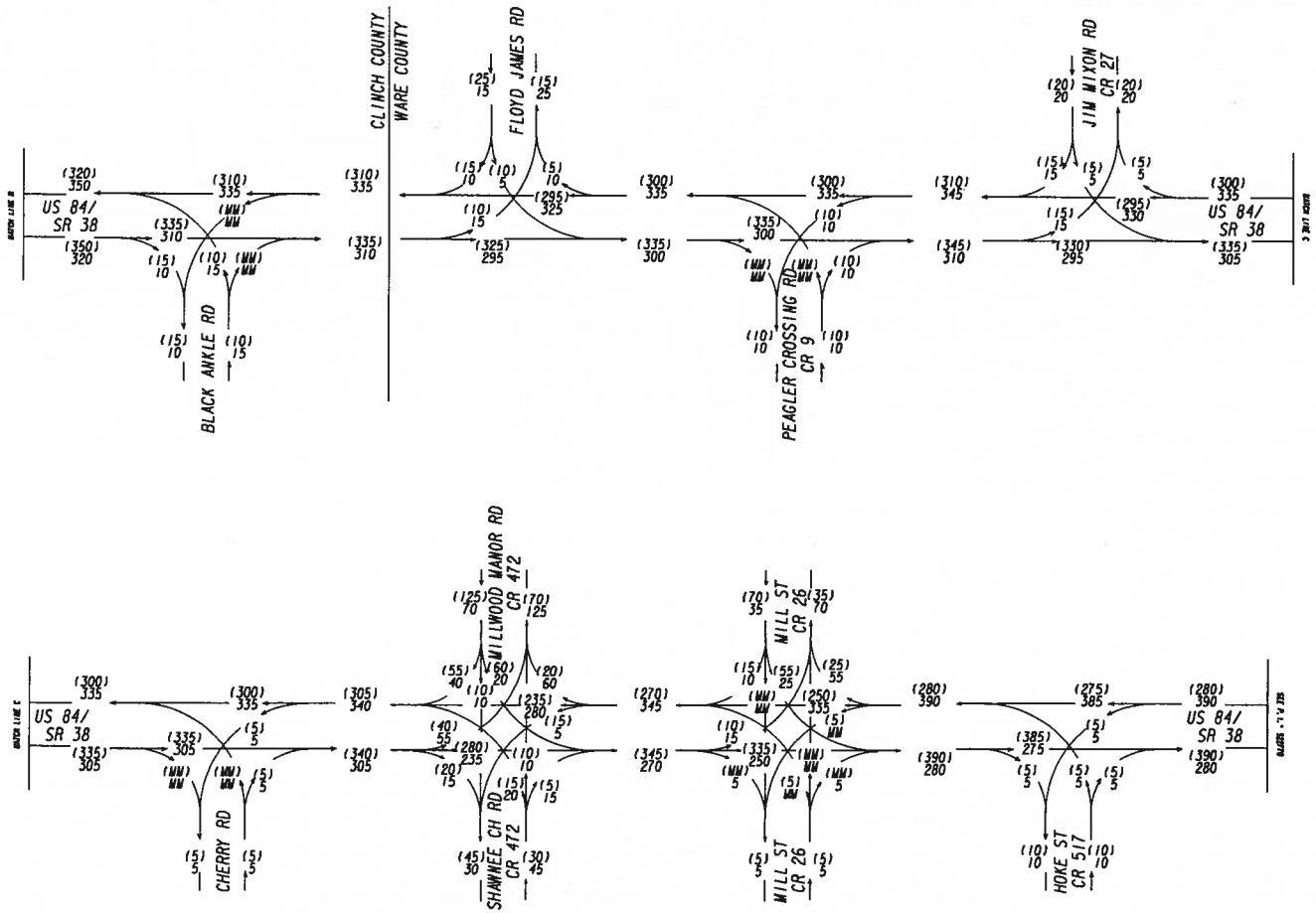
T= 24.5%
SU= 4.5%
COMB= 20%

REVISION DATES
RFN 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-15

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	422120	8	8



WARE COUNTY

N

EDS00-0084-001(023)
P.I.# 422120
CLINCH & WARE COUNTIES

SR 38/US 84 FM W OF WOODYARD CK/CLINCH TOW OF GREASY CK/WARE

2038 DHV= (000)
2038 DHV= 000
BUILD

T= 24.5%
SU= 4.5%
COMB= 20%

REVISION DATES
RFN 6/2014

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PLANNING
TRAFFIC DIAGRAM

DRAWING No. 10-16

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. **422120**

OFFICE Program Delivery

PROJECT DESCRIPTION

SR 38 / US 84 From West of Woodyard Creek To West of Greasy Branch

DATE September 24, 2014

From: Albert V. Shelby, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Matt Bennett

MGMT LET DATE 3/15/2015

MGMT ROW DATE 10/21/2011

PROGRAMMED COSTS (TPro W/OUT INFLATION)			**LAST ESTIMATE UPDATE**	
CONSTRUCTION	$	53,334,499.00	DATE	10/3/2012
RIGHT OF WAY	$	7,460,000.00	DATE	11/30/2011
UTILITIES	$	943,505.00	DATE	10/3/2012

REVISED COST ESTIMATES

CONSTRUCTION*	$	61,592,221.58
RIGHT OF WAY	$	N/A
UTILITIES	$	N/A

*Cost Contains 3 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

A more detailed cost estimate was developed for FFPR and for an annual cost estimate update.

CONTINGENCY SUMMARY

A.	CONSTRUCTION COST ESTIMATE:	$ 53,156,356.02	Base Estimate From CES		
B.	ENGINEERING AND INSPECTION (E & I):	$ 2,657,817.80	Base Estimate (A) x	5	%
C.	CONTINGENCY:	$ 1,674,425.21	Base Estimate (A) + E & I (B) x See % Table in "Risk Based Cost Estimation" Memo	3	%
D.	TOTAL LIQUID AC ADJUSTMENT:	$ 4,103,622.54	Total From Liquid AC Spreadsheet		
E.	CONSTRUCTION TOTAL:	$ 61,592,221.58	(A + B + C + D = E)		

REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	$ -

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS
Liquid AC Adjustment Spreadsheet

PROJ. NO.	EDS00-0084-00(023)	CALL NO.	9/29/2009
P.I. NO.	422120		
DATE	9/19/2014		

INDEX (TYPE)	**DATE**	**INDEX**
REG. UNLEADED	Sep-14	$ 3.335
DIESEL		$ 3.765
LIQUID AC		$ 601.00

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)				**4019139.42**	**$ 4,019,139.42**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	961.60	
Monthly Asphalt Cement Price month project let (APL)			$	601.00	
Total Monthly Tonnage of asphalt cement (TMT)				11145.7	

ASPHALT	**Tons**	**%AC**	**AC ton**
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	47059	5.0%	2352.95
9.5 mm SP		5.0%	0
25 mm SP	120289	5.0%	6014.45
19 mm SP	55566	5.0%	2778.3
	222914		**11145.7**

BITUMINOUS TACK COAT

Price Adjustment (PA)			**$**	**84,483.12**	**$ 84,483.12**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	961.60	
Monthly Asphalt Cement Price month project let (APL)			$	601.00	
Total Monthly Tonnage of asphalt cement (TMT)				234.28487	

Bitum Tack Gals	gals/ton	tons
54547	232.8234	234.28487

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				**0**	**$ -**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	961.60	
Monthly Asphalt Cement Price month project let (APL)			$	601.00	
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	**$ 4,103,622.54**

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 422120-

JOB NUMBER *422120-* **FED/STATE PROJECT NUMBER**

SPEC YEAR: *01*

DESCRIPTION: *SR38/US84 FROM W OF WOODYARD CREEK TO W OF GREASY BRANCH*

ITEMS FOR JOB 422120-

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	$782,059.85000	TRAFFIC CONTROL - EDS00-0084-00(023)	$782,059.85
0010	150-5010	4.000	EA	$13,117.98810	TRAF CTRL,PORTABLE IMPACT ATTN	$52,471.95
0640	150-9011	100.000	HR	$45.56193	TR CT-WORKZONE LAW ENF-CTR BIDS	$4,556.19
0015	153-1300	1.000	EA	$78,728.23022	FIELD ENGINEERS OFFICE TP 3	$78,728.23
0020	201-1500	1.000	LS	$3,367,400.00000	CLEARING & GRUBBING - EDS00-0084-00(023)	$3,367,400.00
0025	205-0001	114243.680	CY	$6.04000	UNCLASS EXCAV	$690,031.83
0585	206-0002	620729.000	CY	$8.31000	BORROW EXCAV, INCL MATL	$5,158,257.99
0870	212-1000	47297.000	CY	$25.48231	GRANULAR EMBANKMENT INCL M&H	$1,205,236.82
0030	318-3000	3000.000	TN	$31.61913	AGGR SURF CRS	$94,857.39
0625	430-0600	1268.000	SY		PLN PC CONC PVMT/HES/ 10" TK	
0650	433-1000	3587.000	SY	$169.01193	REINF CONC APPROACH SLAB	$606,245.79
0645	436-1000	17487.000	LF	$8.93282	ASPH CONC CURB - FILL IN LATER EDS00-84-00(023)	$156,208.22
0035	441-0016	7700.000	SY	$36.80980	DRIVEWAY CONCRETE, 6 IN TK	$283,435.46
0040	441-0106	5428.000	SY	$53.63724	CONC SIDEWALK, 6 IN	$291,142.94
0655	441-0301	10.000	EA	$2,068.60517	CONC SPILLWAY, TP 1	$20,686.05
0620	441-0740	1790.000	SY	$34.78459	CONC MEDIAN, 4 IN	$62,264.42
0045	441-4020	15690.000	SY	$30.46351	CONC VALLEY GUTTER, 6 IN	$477,972.47
0610	441-5008	666.000	LF	$12.47086	CONC HEADER CURB, 6 IN, TP 7	$8,305.59
0615	441-5010	855.000	LF		CONC HDR CURB, 6 IN, TP 9	
0050	441-6012	5053.000	LF	$22.95361	CONC CURB & GUTTER/ 6"X24"TP2	$115,984.59
0229	441-6222	18322.000	LF	$14.76564	CONC CURB & GUTTER/ 8"X30"TP2	$270,536.06
0055	446-1100	64100.000	LF	$3.55083	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	$227,608.20
0875	455-1000	340406.000	SY	$2.51489	FILTER FAB/EMBANKMENT STAB	$856,083.65
0060	456-2015	20.000	GLM	$826.33029	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	$16,526.61
0065	500-3200	2.000	CY	$727.05600	CL B CONC	$1,454.11
0630	511-1000	52006.000	LB	$1.04475	BAR REINF STEEL	$54,333.27
0660	576-1015	286.000	LF	$31.33366	SLOPE DRAIN PIPE, 15 IN	$8,961.43
0635	632-0003	4.000	EA	$15,336.87486	CHANGEABLE MESS SIGN,PORT,TP 3	$61,347.50
0070	634-1200	600.000	EA	$93.71649	RIGHT OF WAY MARKERS	$56,229.89
0075	641-1100	717.000	LF	$49.55477	GUARDRAIL, TP T	$35,530.77
0080	641-1200	39020.000	LF	$13.76920	GUARDRAIL, TP W	$537,274.18
0085	641-5001	40.000	EA	$685.13202	GUARDRAIL ANCHORAGE, TP 1	$27,405.28
0090	641-5012	38.000	EA	$1,851.74842	GUARDRAIL ANCHORAGE, TP 12	$70,366.44
					SUBTOTAL FOR ROADWAY:	**$15,679,503.17**

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 422120-

0020 - PAVEMENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0599	310-5060	80274.000	SY	$5.30655	GR AGGR BS CRS 6IN INCL MATL	$425,977.99
0600	310-5100	82119.000	SY	$16.63245	GR AGGR BS CRS 10IN INCL MATL	$1,365,840.16
0100	310-5120	359329.000	SY	$21.20671	GR AGGR BS CRS 12IN INCL MATL	$7,620,185.90
0110	402-3121	120289.000	TN	$65.82475	RECYL AC 25MM SP,GP1/2,BM&HL	$7,917,993.35
0115	402-3130	47059.000	TN	$60.32674	RECYL AC 12.5MM SP,GP2,BM&HL	$2,838,916.06
0120	402-3190	55566.000	TN	$62.72935	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	$3,485,619.06
0125	413-1000	54547.000	GL	$1.99593	BITUM TACK COAT	$108,871.99
0130	433-1200	2559.000	SY	$180.64488	REF CONC APPR SL/I SLOPED EDGE	$462,270.25
					SUBTOTAL FOR PAVEMENT:	**$24,225,674.76**

0030 - DRAINAGE QUANTITIES

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0465	500-3101	1321.000	CY	$861.81266	CLASS A CONCRETE	$1,138,454.52
0460	511-1000	109815.000	LB	$1.00134	BAR REINF STEEL	$109,962.15
0135	550-1180	17687.000	LF	$41.21488	STM DR PIPE 18",H 1-10	$728,967.58
0470	550-1240	1204.000	LF	$45.25303	STM DR PIPE 24",H 1-10	$54,484.65
0475	550-1300	1814.000	LF	$62.30966	STM DR PIPE 30",H 1-10	$113,029.72
0484	550-1360	358.000	LF	$75.23752	STM DR PIPE 36",H 1-10	$26,935.03
0485	550-1480	145.000	LF	$136.74803	STM DR PIPE 48",H 1-10	$19,828.46
0140	550-2180	1273.000	LF	$29.41184	SIDE DR PIPE 18",H 1-10	$37,441.27
0145	550-3318	4.000	EA	$730.45616	SAFETY END SECTION 18",STD,4:1	$2,921.82
0840	550-3330	2.000	EA	$1,687.30174	SAFETY END SECTION 30",STD,4:1	$3,374.60
0845	550-3336	2.000	EA	$1,867.39089	SAFETY END SECTION 36",STD,4:1	$3,734.78
0860	550-3418	82.000	EA	$603.84626	SAFETY END SECTION 18",SD,4:1	$49,515.39
0605	550-3648	4.000	EA		SAFETY END SECTION 48",SD,6:1	
0150	550-4118	0.000	EA		FLARED END SECT 18 IN, SIDE DR	
0530	550-4218	135.000	EA	$730.04000	FLARED END SECT 18 IN, ST DR	$98,555.40
0535	550-4224	16.000	EA	$848.40148	FLARED END SECT 24 IN, ST DR	$13,574.42
0540	550-4230	34.000	EA	$894.84843	FLARED END SECT 30 IN, ST DR	$30,424.85
0835	550-4236	4.000	EA	$1,105.33583	FLARED END SECT 36 IN, ST DR	$4,421.34
0550	668-1100	110.000	EA	$2,574.02956	CATCH BASIN, GP 1	$283,143.25
0155	668-2100	128.000	EA	$2,657.50540	DROP INLET, GP 1	$340,160.69
0575	668-4300	8.000	EA	$2,554.28024	STORM SEW MANHOLE, TP 1	$20,434.24
0580	668-4311	4.000	LF	$316.01200	ST SEW MANHOLE,TP 1,A DEP,CL 1	$1,264.05
					SUBTOTAL FOR DRAINAGE QUANTITIES:	**$3,080,628.21**

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 422120-

0040 - TRAFFIC SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0160	636-1020	852.000	SF	$15.56072	HWY SGN,TP1MAT,REFL SH TP3	$13,257.73
0675	636-1029	229.000	SF	$12.77199	HWY SGN,TP2 MATL,REFL SH TP 3	$2,924.79
0165	636-1033	1760.000	SF	$18.14805	HWY SIGNS, TP1MAT,REFL SH TP 9	$31,940.57
0680	636-1041	84.000	SF	$27.25180	HWY SIGNS,TP 2MAT,REFL SH TP 9	$2,289.15
0170	636-2070	2853.000	LF	$8.62038	GALV STEEL POSTS, TP 7	$24,593.94
0175	636-2080	1304.000	LF	$8.54592	GALV STEEL POSTS, TP 8	$11,143.88
0180	636-2090	1281.000	LF	$10.32699	GALV STEEL POSTS, TP 9	$13,228.87
0685	636-3010	28.000	EA	$485.47708	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	$13,593.36
0690	636-5100	20.000	EA	$173.68462	MILEPOST SIGNS	$3,473.69
0805	652-0094	6.000	EA	$44.60759	PVMT MARKING, SYMBOL, TP 4	$267.65
0800	652-0110	6.000	EA	$47.45172	PAVEMENT MARKING, ARROW, TP 1	$284.71
0695	652-5301	11525.000	LF	$0.19705	SOLID TRAF STRIPE, 6 IN, WHITE	$2,271.00
0190	652-5451	11525.000	LF	$0.09653	SOLID TRAF STRIPE, 5 IN, WHITE	$1,112.51
0195	652-5452	19000.000	LF	$0.06821	SOLID TRAF STRIPE, 5 IN, YELLO	$1,295.99
0700	652-6301	2090.000	GLF	$0.12010	SKIP TRAF STRIPE, 6 IN, WHITE	$251.01
0705	652-6501	175.000	GLF	$0.23365	SKIP TRAF STRIPE, 5 IN, WHITE	$40.89
0810	653-0100	10.000	EA	$371.45000	THERM PVMT MARK, RR/HWY X SYM	$3,714.50
0775	653-0110	13.000	EA	$85.46429	THERM PVMT MARK, ARROW, TP 1	$1,111.04
0780	653-0120	142.000	EA	$74.18744	THERM PVMT MARK, ARROW, TP 2	$10,534.62
0785	653-0130	3.000	EA	$110.21537	THERM PVMT MARK, ARROW, TP 3	$330.65
0790	653-0170	103.000	EA	$97.92933	THERM PVMT MARK, ARROW, TP 7	$10,086.72
0795	653-0180	1.000	EA		THERM PVMT MARK, ARROW, TP 8	
0825	653-0210	4.000	EA	$116.01308	THERM PVMT MARK, WORD , TP 1	$464.05
0820	653-0296	8.000	EA		THERMO PVMT MARKING,WORD,TP 15	
0715	653-1704	308.000	LF	$4.20459	THERM SOLID TRAF STRIPE,24",WH	$1,295.01
0710	653-1804	1088.000	LF	$2.53583	THERM SOLID TRAF STRIPE, 8",WH	$2,758.98
0720	653-2501	20.000	LM	$1,322.18049	THERMO SOLID TRAF ST, 5 IN, WH	$26,443.61
0725	653-2502	20.000	LM	$1,353.30786	THERMO SOLID TRAF ST, 5 IN YE	$27,066.16
0730	653-3501	6040.000	GLF	$0.27055	THERMO SKIP TRAF ST, 5 IN, WHI	$1,634.12
0740	653-4502	18.000	GLM	$883.39199	THERMO SKIP TRAF ST, 5 IN, YEL	$15,901.06
0735	653-4830	320.000	GLF		THER SKIP TRAF ST, 18 IN, WHT	
0760	653-6004	15940.000	SY	$3.08453	THERM TRAF STRIPING, WHITE	$49,167.41
0765	653-6006	6071.000	SY	$3.04198	THERM TRAF STRIPING, YELLOW	$18,467.86
0230	654-1001	1038.000	EA	$3.19898	RAISED PVMT MARKERS TP 1	$3,320.54
0235	654-1003	4726.000	EA	$4.19212	RAISED PVMT MARKERS TP 3	$19,811.96
0240	654-1010	50.000	EA	$35.54495	RAISED PVMT MARKERS TP 10	$1,777.25
0830	654-1010	23.000	EA	$36.65943	RAISED PVMT MARKERS TP 10	$843.17
0745	657-1085	2222.000	LF	$6.23663	PRF PL SD PVT MKG,8",B/W,TP PB	$13,857.79
0755	657-3085	2524.000	GLF	$7.76111	PRF PL SK PVMT MKG,8",B/W,TPPB	$19,589.04
0770	657-5002	805.000	SY	$14.68661	PREFORMED PLASTIC PVMT MKG, YE, TP PB	$11,822.72
0750	657-6085	1742.000	LF	$6.03342	PRF PL SD PVMT MKG,8",B/Y,TPPB	$10,510.22
					SUBTOTAL FOR TRAFFIC SIGNING AND MARKING:	**$372,478.22**

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 422120-

0050 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0400	540-1101	1.000	LS	$104,720.00000	REM OF EX BR, STA NO - 483+00	$104,720.00
0405	540-1101	1.000	LS	$65,688.00000	REM OF EX BR, STA NO - 409+00	$65,688.00
0410	540-1101	1.000	LS	$98,532.00000	REM OF EX BR, STA NO - 359+00	$98,532.00
0415	540-1101	1.000	LS	$74,256.00000	REM OF EX BR, STA NO - 256+00	$74,256.00
0420	540-1101	1.000	LS	$164,220.00000	REM OF EX BR, STA NO - 166+00	$164,220.00
0425	540-1101	1.000	LS	$74,256.00000	REM OF EX BR, STA NO - 73+00	$74,256.00
0430	540-1101	1.000	LS	$131,376.00000	REM OF EX BR, STA NO - 28+00	$131,376.00
0370	543-9000	1.000	LS	$684,000.00000	CONSTR OF BRIDGE COMPLETE - LITTLE SUWANEE CREEK	$684,000.00
0375	543-9000	1.000	LS	$1,140,000.00000	CONSTR OF BRIDGE COMPLETE - BOX CREEK	$1,140,000.00
0380	543-9000	1.000	LS	$684,000.00000	CONSTR OF BRIDGE COMPLETE - PETERS BRANCH	$684,000.00
0385	543-9000	1.000	LS	$1,824,000.00000	CONSTR OF BRIDGE COMPLETE - CANE CREEK	$1,824,000.00
0390	543-9000	1.000	LS	$666,000.00000	CONSTR OF BRIDGE COMPLETE - WOODYARD CREEK OVERFLOW	$666,000.00
0395	543-9000	1.000	LS	$1,332,000.00000	CONSTR OF BRIDGE COMPLETE - WOODYARD/DARBY CREEK	$1,332,000.00
					SUBTOTAL FOR BRIDGE:	**$7,043,048.00**

0060 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0444	162-1300	1630.000	EA	$906.24000	EROSION CONTROL CHECK DAM, TP - EDS00-0084-00(023)	$1,477,171.20
0245	163-0232	40.000	AC	$628.44799	TEMPORARY GRASSING	$25,137.92
0250	163-0240	2203.000	TN	$198.93941	MULCH	$438,263.52
0255	163-0300	40.000	EA	$1,804.31311	CONSTRUCTION EXIT	$72,172.52
0259	163-0501	1.000	EA	$843.12364	CONSTR AND REMOVE SILT CONTROL GATE,TP 1	$843.12
0260	163-0503	27.000	EA	$544.40758	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	$14,699.00
0265	163-0520	600.000	LF	$20.94831	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	$12,568.99
0865	163-0529	11745.000	LF		CNST/REM TEMP SED BAR OR BLD STRW CK DM	
0280	163-0550	203.000	EA	$337.60012	CONS & REM INLET SEDIMENT TRAP	$68,532.82
0285	165-0030	29002.000	LF	$0.78082	MAINT OF TEMP SILT FENCE, TP C	$22,645.34
0443	165-0041	8809.000	LF		MAINT OF CHECK DAMS - ALL TYPES	
0295	165-0050	1200.000	LF	$9.67141	MAINT OF SILT RETENTION BARRIER	$11,605.69
0305	165-0087	45.000	EA	$171.63550	MAINT OF SILT CONTROL GATE, TP 3	$7,723.60
0310	165-0101	40.000	EA	$608.13327	MAINT OF CONST EXIT	$24,325.33
0665	165-0105	203.000	EA	$81.42899	MAINT OF INLET SEDIMENT TRAP	$16,530.08
0315	167-1000	14.000	EA	$1,471.04882	WATER QUALITY MONITORING AND SAMPLING	$20,594.68
0320	171-0030	58003.000	LF	$4.04050	TEMPORARY SILT FENCE, TYPE C	$234,361.12
0595	603-2024	177.000	SY	$29.21572	STN DUMPED RIP RAP, TP 1, 24"	$5,171.18
0325	603-2180	1357.000	SY	$45.66053	STN DUMPED RIP RAP, TP 3, 12"	$61,961.34
0850	603-2181	777.000	SY	$48.95692	STN DUMPED RIP RAP, TP 3, 18"	$38,039.53
0330	603-7000	1357.000	SY	$0.46198	PLASTIC FILTER FABRIC	$626.91
0335	700-6910	80.000	AC	$576.99742	PERMANENT GRASSING	$46,159.79
0344	700-7000	159.000	TN	$55.27618	AGRICULTURAL LIME	$8,788.91
0345	700-8000	36.000	TN	$355.62307	FERTILIZER MIXED GRADE	$12,802.43
0350	700-8100	3975.000	LB	$2.49641	FERTILIZER NITROGEN CONTENT	$9,923.23
0670	710-9000	20918.000	SY	$3.27746	PERM SOIL REINFORCING MAT	$68,557.91
0360	716-2000	27887.000	SY	$2.00156	EROSION CONTROL MATS, SLOPES	$55,817.50
					SUBTOTAL FOR EROSION CONTROL:	**$2,755,023.66**

COST GROUP FOR JOB 422120-

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	TN	NORM			BASE	BASE/AGGREGATE (TN)	
00000002	TN	NORM			ASPH	ASPHALT (TN)	
00000003	CY	NORM			ERTHCY	EARTHWORK (CY)	
00000004	SY	NORM			EROC	EROSION CONTROL (SY)	

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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. **OO12845**

OFFICE Program Delivery

PROJECT DESCRIPTION

Sr / US 84 From Peagler Crossing Road To Fire Tower Road

DATE September 19, 2014

From: Albert V. Shelby, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Matt Bennett

MGMT LET DATE 3/15/2015

MGMT ROW DATE N/A

PROGRAMMED COSTS (TPro W/OUT INFLATION)			**LAST ESTIMATE UPDATE**	
CONSTRUCTION	$	4,454,000.00	DATE	N/A
RIGHT OF WAY	$	N/A	DATE	N/A
UTILITIES	$	1,883,120.00	DATE	N/A

REVISED COST ESTIMATES

CONSTRUCTION*	$	17,445,777.54
RIGHT OF WAY	$	N/A
UTILITIES	$	N/A

*Cost Contains 3 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

A more detailed cost estimate was developed for FFPR and for an annual cost estimate update. This project is included in with the 522775 project. The increase is reflected in the decrease of the 522775 project. Please refer to the 522775 project cost estimate.

CONTINGENCY SUMMARY

A.	CONSTRUCTION COST ESTIMATE:	$ 14,861,319.94	Base Estimate From CES		
B.	ENGINEERING AND INSPECTION (E & I):	$ 743,066.00	Base Estimate (A) x	5	%
C.	CONTINGENCY:	$ 468,131.58	Base Estimate (A) + E & I (B) x See % Table in "Risk Based Cost Estimation" Memo	3	%
D.	TOTAL LIQUID AC ADJUSTMENT:	$ 1,373,260.02	Total From Liquid AC Spreadsheet		
E.	CONSTRUCTION TOTAL:	$ 17,445,777.54	(A + B + C + D = E)		

REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	$ -

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS
Liquid AC Adjustment Spreadsheet

PROJ. NO.	N/A	CALL NO.	9/29/2009
P.I. NO.	0012845		
DATE	9/19/2014		

INDEX (TYPE)	**DATE**	**INDEX**
REG. UNLEADED	Sep-14	$ 3.335
DIESEL		$ 3.765
LIQUID AC		$ 601.00

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)			**1336762.23**	**$ 1,336,762.23**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 961.60	
Monthly Asphalt Cement Price month project let (APL)			$ 601.00	
Total Monthly Tonnage of asphalt cement (TMT)			3707.05	

ASPHALT	**Tons**	**%AC**	**AC ton**
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	13377	5.0%	668.85
9.5 mm SP		5.0%	0
25 mm SP	42943	5.0%	2147.15
19 mm SP	17821	5.0%	891.05
	74141		**3707.05**

BITUMINOUS TACK COAT

Price Adjustment (PA)			**$ 36,497.79**	**$ 36,497.79**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 961.60	
Monthly Asphalt Cement Price month project let (APL)			$ 601.00	
Total Monthly Tonnage of asphalt cement (TMT)			101.2140532	

Bitum Tack Gals	gals/ton	tons
23565	232.8234	101.214053

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)			**0**	**$ -**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 961.60	
Monthly Asphalt Cement Price month project let (APL)			$ 601.00	
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	**$ 1,373,260.02**

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0012845

JOB NUMBER *0012845* **FED/STATE PROJECT NUMBER**

SPEC YEAR: *01*

DESCRIPTION: *SR38/US84 FROM PEAGLER CROSSING TO FIRETOWER ROAD*

ITEMS FOR JOB 0012845

0010 - ROADWAY ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0310	150-1000	1.000	LS	$225,000.00000	TRAFFIC CONTROL - PI# 0012845	$225,000.00
0325	150-9011	100.000	HR	$53.88136	TR CT-WORKZONE LAW ENF-CTR BIDS	$5,388.14
0350	153-1300	1.000	EA	$67,991.83660	FIELD ENGINEERS OFFICE TP 3	$67,991.84
0430	201-1500	1.000	LS	$750,000.00000	CLEARING & GRUBBING - PI# 0012845	$750,000.00
0005	205-0001	33806.000	CY	$7.50000	UNCLASS EXCAV	$253,545.00
0010	206-0002	115269.000	CY	$5.50000	BORROW EXCAV, INCL MATL	$633,979.50
0015	310-5060	161655.000	SY	$13.48546	GR AGGR BS CRS 6IN INCL MATL	$2,179,992.04
0025	402-3121	42943.000	TN	$65.82957	RECYL AC 25MM SP,GP1/2,BM&HL	$2,826,919.22
0030	402-3130	13377.000	TN	$75.19265	RECYL AC 12.5MM SP,GP2,BM&HL	$1,005,852.08
0035	402-3190	17821.000	TN	$72.13717	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	$1,285,556.51
0040	413-1000	23565.000	GL	$2.59848	BITUM TACK COAT	$61,233.18
0270	433-1000	480.000	SY	$140.86379	REINF CONC APPROACH SLAB	$67,614.62
0360	436-1000	2157.000	LF	$8.52983	ASPH CONC CURB - PI# 0012845	$18,398.84
0045	441-0104	29811.000	SY	$16.36665	CONC SIDEWALK, 4 IN	$487,906.20
0330	441-0301	4.000	EA	$1,641.71401	CONC SPILLWAY, TP 1	$6,566.86
0295	441-0748	783.000	SY	$37.22324	CONC MEDIAN, 6 IN	$29,145.80
0285	441-3999	2347.000	LF	$20.99090	CONCRETE V GUTTER	$49,265.64
0290	441-4020	8867.000	SY	$32.20260	CONC VALLEY GUTTER, 6 IN	$285,540.45
0050	441-6021	8240.000	LF	$12.00000	CONC CURB & GUTTER/ 6"X30"TP1	$98,880.00
0380	456-2015	2.300	GLM	$621.19420	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	$1,428.75
0550	500-3200	27.000	CY	$429.19597	CL B CONC	$11,588.29
0555	511-1000	28.000	LB	$1.86508	BAR REINF STEEL	$52.22
0070	540-1102	1.000	LS	$58,800.00000	REM OF EX BR, BR NO - 1	$58,800.00
0315	620-0100	5000.000	LF	$31.92706	TEMP BARRIER, METHOD NO. 1	$159,635.30
0355	641-1100	126.000	LF	$59.33537	GUARDRAIL, TP T	$7,476.26
0055	641-1200	2031.000	LF	$17.04526	GUARDRAIL, TP W	$34,618.92
0060	641-5001	2.000	EA	$628.52597	GUARDRAIL ANCHORAGE, TP 1	$1,257.05
0065	641-5012	6.000	EA	$1,840.06610	GUARDRAIL ANCHORAGE, TP 12	$11,040.40
					SUBTOTAL FOR ROADWAY ITEMS:	**$10,624,673.11**

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0012845

0020 - DRAINAGE ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0370	441-0204	1411.000	SY	$28.90459	PLAIN CONC DITCH PAVING, 4 IN	$40,784.38
0300	500-3200	27.000	CY	$429.19597	CL B CONC	$11,588.29
0075	550-1180	9614.000	LF	$20.84782	STM DR PIPE 18",H 1-10	$200,430.94
0080	550-1300	431.000	LF	$57.12792	STM DR PIPE 30",H 1-10	$24,622.13
0415	550-1480	780.000	LF	$93.58325	STM DR PIPE 48",H 1-10	$72,994.94
0365	550-2180	608.000	LF	$26.90242	SIDE DR PIPE 18",H 1-10	$16,356.67
0375	550-3518	46.000	EA	$582.64540	SAFETY END SECTION 18",STD,6:1	$26,801.69
0090	550-4218	37.000	EA	$515.68488	FLARED END SECT 18 IN, ST DR	$19,080.34
0095	550-4230	6.000	EA	$755.83048	FLARED END SECT 30 IN, ST DR	$4,534.98
0305	576-1015	104.000	LF	$29.65289	SLOPE DRAIN PIPE, 15 IN	$3,083.90
0420	668-1100	52.000	EA	$2,244.46188	CATCH BASIN, GP 1	$116,712.02
0105	668-2100	27.000	EA	$1,779.44384	DROP INLET, GP 1	$48,044.98
					SUBTOTAL FOR DRAINAGE ITEMS:	**$585,035.26**

0030 - TEMPORARY EROSION CONTROL ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0390	163-0232	20.000	AC	$46.23042	TEMPORARY GRASSING	$924.61
0410	163-0240	179.000	TN	$155.89138	MULCH	$27,904.56
0110	163-0300	4.000	EA	$1,388.68137	CONSTRUCTION EXIT	$5,554.73
0115	163-0528	7950.000	LF	$3.91375	CONSTR AND REM FAB CK DAM -TP C SLT FN	$31,114.31
0520	163-0542	1.000	EA	$304.05824	CONSTR & REM STONE FILTER RING	$304.06
0120	163-0550	15.000	EA	$147.71057	CONS & REM INLET SEDIMENT TRAP	$2,215.66
0125	165-0030	12333.000	LF	$0.41551	MAINT OF TEMP SILT FENCE, TP C	$5,124.48
0130	165-0041	3975.000	LF	$0.57262	MAINT OF CHECK DAMS - ALL TYPES	$2,276.16
0135	165-0101	8.000	EA	$8.00000	MAINT OF CONST EXIT	$64.00
0140	165-0105	8.000	EA	$62.63690	MAINT OF INLET SEDIMENT TRAP	$501.10
0145	167-1000	2.000	EA	$331.57591	WATER QUALITY MONITORING AND SAMPLING	$663.15
0150	167-1500	72.000	MO	$678.43672	WATER QUALITY INSPECTIONS	$48,847.44
0545	170-2000	160.000	LF		STAKED SILT RETENTION BARRIER	
0155	171-0030	30000.000	LF	$2.44237	TEMPORARY SILT FENCE, TYPE C	$73,271.10
0540	171-0030	24660.000	LF	$2.47238	TEMPORARY SILT FENCE, TYPE C	$60,968.89
0530	700-8000	12.000	TN	$462.96792	FERTILIZER MIXED GRADE	$5,555.62
					SUBTOTAL FOR TEMPORARY EROSION CONTROL ITEMS:	**$265,289.87**

0040 - PERMANENT EROSION CONTROL ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0525	163-0240	922.000	TN	$121.75361	MULCH	$112,256.83
0340	603-2024	28.000	SY	$52.76254	STN DUMPED RIP RAP, TP 1, 24"	$1,477.35
0165	603-2180	281.000	SY	$28.74077	STN DUMPED RIP RAP, TP 3, 12"	$8,076.16
0170	603-7000	281.000	SY	$2.70151	PLASTIC FILTER FABRIC	$759.12
0425	643-8200	6526.000	LF	$1.07587	BARRIER FENCE (ORANGE), 4 FT	$7,021.13
0385	700-6910	40.000	AC	$525.15927	PERMANENT GRASSING	$21,006.37
0395	700-7000	80.000	TN	$29.51279	AGRICULTURAL LIME	$2,361.02
0400	700-8000	6.000	TN	$462.96792	FERTILIZER MIXED GRADE	$2,777.81
0405	700-8100	3975.000	LB	$1.66257	FERTILIZER NITROGEN CONTENT	$6,608.72
0535	700-8100	1988.000	LB	$1.81620	FERTILIZER NITROGEN CONTENT	$3,610.61
					SUBTOTAL FOR PERMANENT EROSION CONTROL ITEMS:	**$165,955.12**

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0012845

0050 - SIGNING AND MARKING ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0320	632-0003	4.000	EA	$5,094.57125	CHANGEABLE MESS SIGN,PORT,TP 3	$20,378.29
0175	636-1020	259.320	SF	$14.09478	HWY SGN,TP1MAT,REFL SH TP3	$3,655.06
0180	636-1029	116.000	SF	$15.21183	HWY SGN,TP2 MATL,REFL SH TP 3	$1,764.57
0515	636-1033	622.410	SF	$16.78466	HWY SIGNS, TP1MAT,REFL SH TP 9	$10,446.94
0185	636-1041	27.500	SF	$28.85528	HWY SIGNS,TP 2MAT,REFL SH TP 9	$793.52
0500	636-2070	1155.000	LF	$5.00228	GALV STEEL POSTS, TP 7	$5,777.63
0505	636-2080	359.000	LF	$12.13336	GALV STEEL POSTS, TP 8	$4,355.88
0510	636-2090	534.000	LF	$6.14904	GALV STEEL POSTS, TP 9	$3,283.59
0205	636-3010	72.000	EA	$492.05896	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	$35,428.25
0485	636-5100	6.000	EA	$150.00000	MILEPOST SIGNS	$900.00
0480	652-0094	11.000	EA	$55.93917	PVMT MARKING, SYMBOL, TP 4	$615.33
0440	652-5301	8230.000	LF	$0.13963	SOLID TRAF STRIPE, 6 IN, WHITE	$1,149.15
0435	652-5451	8130.000	LF	$0.12531	SOLID TRAF STRIPE, 5 IN, WHITE	$1,018.77
0210	652-6301	1325.000	GLF	$0.42064	SKIP TRAF STRIPE, 6 IN, WHITE	$557.35
0215	652-6501	700.000	GLF	$0.09705	SKIP TRAF STRIPE, 5 IN, WHITE	$67.94
0220	653-0120	38.000	EA	$72.79680	THERM PVMT MARK, ARROW, TP 2	$2,766.28
0225	653-0170	14.000	EA	$87.12358	THERM PVMT MARK, ARROW, TP 7	$1,219.73
0470	653-0180	2.000	EA	$250.00000	THERM PVMT MARK, ARROW, TP 8	$500.00
0450	653-1704	172.000	LF	$5.00087	THERM SOLID TRAF STRIPE,24",WH	$860.15
0445	653-1804	2300.000	LF	$2.38142	THERM SOLID TRAF STRIPE, 8",WH	$5,477.27
0230	653-2501	6.000	LM	$1,537.11421	THERMO SOLID TRAF ST, 5 IN, WH	$9,222.69
0235	653-2502	7.000	LM	$1,618.48836	THERMO SOLID TRAF ST, 5 IN YE	$11,329.42
0240	653-4501	6.000	GLM	$1,011.68951	THERMO SKIP TRAF ST, 5 IN, WHI	$6,070.14
0245	653-4502	3.000	GLM	$958.71698	THERMO SKIP TRAF ST, 5 IN, YEL	$2,876.15
0250	653-6004	2887.000	SY	$3.34449	THERM TRAF STRIPING, WHITE	$9,655.54
0255	653-6006	555.000	SY	$3.59878	THERM TRAF STRIPING, YELLOW	$1,997.32
0260	654-1001	523.000	EA	$3.12533	RAISED PVMT MARKERS TP 1	$1,634.55
0265	654-1003	564.000	EA	$3.23106	RAISED PVMT MARKERS TP 3	$1,822.32
0455	657-1085	320.000	LF	$6.10432	PRF PL SD PVT MKG,8",B/W,TP PB	$1,953.38
0465	657-3086	320.000	GLF	$3.24980	FPR PL SK PVMT MKG,8",B/Y,TPPB	$1,039.94
0475	657-5003	11.000	EA	$946.51029	PRF PLASTIC PVMT MKG, WORD TP 1, TP PB	$10,411.61
0460	657-6085	320.000	LF	$6.51207	PRF PL SD PVMT MKG,8",B/Y,TPPB	$2,083.86
					SUBTOTAL FOR SIGNING AND MARKING ITEMS:	**$161,112.62**

0080 - PAVEMENT - ALTERNATE 1

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0275	310-5100	157070.000	SY	$15.22701	GR AGGR BS CRS 10IN INCL MATL	$2,391,706.46
					SUBTOTAL FOR PAVEMENT - ALTERNATE 1:	**$2,391,706.46**

0090 - PAVEMENT - ALTERNATE 2

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0280	301-2160	157070.000	SY	$4.25000	SOIL-CEM STAB BASE CRS, 8 IN	$667,547.50
					SUBTOTAL FOR PAVEMENT - ALTERNATE 2:	**$667,547.50**

TOTALS FOR JOB 0012845

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 0012845

ITEMS COST:	$14,861,319.94
COST GROUP COST:	$0.00
ESTIMATED COST:	$14,861,319.94
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	$14,861,319.94

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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. **522770**

OFFICE Program Delivery

PROJECT DESCRIPTION

SR 38 / US 84 From West of Greasy Branch Creek To West of CR 88 / Ruskin Road

DATE September 19, 2014

From: Albert V. Shelby, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Matt Bennett

MGMT LET DATE 2/15/2015

MGMT ROW DATE 6/15/2012

PROGRAMMED COSTS (TPro W/OUT INFLATION)			**LAST ESTIMATE UPDATE**	
CONSTRUCTION	$	22,383,829.00	DATE	10/3/2012
RIGHT OF WAY	$	3,130,000.00	DATE	6/1/2012
UTILITIES	$	N/A	DATE	N/A

REVISED COST ESTIMATES

CONSTRUCTION*	$	20,309,646.74
RIGHT OF WAY	$	N/A
UTILITIES	$	N/A

*Cost Contains 3 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

A more detailed cost estimate was developed for FFPR and for an annual cost estimate update.

CONTINGENCY SUMMARY

A.	CONSTRUCTION COST ESTIMATE:	$ 17,102,577.42	Base Estimate From CES		
B.	ENGINEERING AND INSPECTION (E & I):	$ 855,128.87	Base Estimate (A) x	5	%
C.	CONTINGENCY:	$ 538,731.19	Base Estimate (A) + E & I (B) x See % Table in "Risk Based Cost Estimation" Memo	3	%
D.	TOTAL LIQUID AC ADJUSTMENT:	$ 1,813,209.26	Total From Liquid AC Spreadsheet		
E.	CONSTRUCTION TOTAL:	$ 20,309,646.74	(A + B + C + D = E)		

REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	$ -

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS
Liquid AC Adjustment Spreadsheet

PROJ. NO.	EDS00-0084-00(026)	CALL NO.	9/29/2009
P.I. NO.	522770		
DATE	9/19/2014		

INDEX (TYPE)	**DATE**	**INDEX**
REG. UNLEADED	Sep-14	$ 3.335
DIESEL		$ 3.765
LIQUID AC		$ 601.00

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)			**1761512.97**	**$**	**1,761,512.97**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 961.60		
Monthly Asphalt Cement Price month project let (APL)			$ 601.00		
Total Monthly Tonnage of asphalt cement (TMT)			4884.95		

ASPHALT	**Tons**	**%AC**	**AC ton**
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	24269	5.0%	1213.45
9.5 mm SP		5.0%	0
25 mm SP	45152	5.0%	2257.6
19 mm SP	28278	5.0%	1413.9
	97699		**4884.95**

BITUMINOUS TACK COAT

Price Adjustment (PA)			**$ 51,696.29**	**$**	**51,696.29**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 961.60		
Monthly Asphalt Cement Price month project let (APL)			$ 601.00		
Total Monthly Tonnage of asphalt cement (TMT)			143.3618786		

Bitum Tack Gals	gals/ton	tons
33378	232.8234	143.361879

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)			**0**	**$**	**-**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$ 961.60		
Monthly Asphalt Cement Price month project let (APL)			$ 601.00		
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	**$**	**1,813,209.26**

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 522770-

JOB NUMBER *522770-* **FED/STATE PROJECT NUMBER**

SPEC YEAR: *01*

DESCRIPTION: *SR38/US84 FROM W OF GREASY BRANCH TO W OF CR88/RUSKIN RD.*

ITEMS FOR JOB 522770-

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	$300,000.00000	TRAFFIC CONTROL - EDS00-0084-00(026)	$300,000.00
0010	150-9011	80.000	HR	$61.75108	TR CT-WORKZONE LAW ENF-CTR BIDS	$4,940.09
0275	153-1300	1.000	EA	$55,869.29355	FIELD ENGINEERS OFFICE TP 3	$55,869.29
0365	205-0001	62230.000	CY	$6.17158	UNCLASS EXCAV	$384,057.42
0420	208-0100	335776.000	CY	$5.84469	IN PLACE EMBANKMENT	$1,962,506.63
0385	310-5060	57722.000	SY	$9.31211	GR AGGR BS CRS 6IN INCL MATL	$537,513.61
0020	318-3000	105.000	TN	$29.10459	AGGR SURF CRS	$3,055.98
0040	402-1812	1181.000	TN	$78.89433	RECYL AC LEVELING,INC BM&HL	$93,174.20
0380	402-3100	239.000	TN	$89.64873	REC AC 9.5 MM SP,TPI,GP1ORBL1,INCL BM&HL	$21,426.05
0045	402-3121	45152.000	TN	$57.23312	RECYL AC 25MM SP,GP1/2,BM&HL	$2,584,189.83
0050	402-3130	24269.000	TN	$65.52679	RECYL AC 12.5MM SP,GP2,BM&HL	$1,590,269.67
0055	402-3190	28278.000	TN	$65.60755	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	$1,855,250.30
0060	413-1000	33378.000	GL	$2.36992	BITUM TACK COAT	$79,103.19
0150	432-5010	1599.000	SY	$3.88246	MILL ASPH CONC PVMT,VARB DEPTH	$6,208.05
0065	433-1000	992.000	SY	$147.39596	REINF CONC APPROACH SLAB	$146,216.79
0410	436-1000	10774.000	LF	$7.27293	ASPH CONC CURB - EDS00-0084-00(026)	$78,358.55
0415	441-0748	2233.000	SY	$39.95737	CONC MEDIAN, 6 IN	$89,224.81
0405	620-0100	4106.000	LF	$20.58459	TEMP BARRIER, METHOD NO. 1	$84,520.33
0225	641-1100	336.000	LF	$37.30496	GUARDRAIL, TP T	$12,534.47
0230	641-1200	10438.000	LF	$12.88247	GUARDRAIL, TP W	$134,467.22
0235	641-5001	5.000	EA	$633.76677	GUARDRAIL ANCHORAGE, TP 1	$3,168.83
0245	641-5012	13.000	EA	$1,803.14317	GUARDRAIL ANCHORAGE, TP 12	$23,440.86
					SUBTOTAL FOR ROADWAY:	**$10,049,496.17**

0020 - EARTHWORK

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0025	201-1500	1.000	LS	$1,400,000.00000	CLEARING & GRUBBING - EDS00-0084-00(026)	$1,400,000.00
0685	520-4316	2.000	EA	$1.01000	LOAD TEST,METAL SHELL,16" OD	$2.02
					SUBTOTAL FOR EARTHWORK:	**$1,400,002.02**

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 522770-

0030 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0525	207-0203	497.000	CY	$41.25407	FOUND BKFILL MATL, TP II	$20,503.27
0430	441-0301	8.000	EA	$1,961.53391	CONC SPILLWAY, TP 1	$15,692.27
0375	441-3999	6699.000	LF	$15.22147	CONCRETE V GUTTER	$101,968.63
0435	500-3200	56.000	CY	$151.09471	CL B CONC	$8,461.30
0340	511-1000	733.000	LB	$0.86947	BAR REINF STEEL	$637.32
0155	550-1180	8990.660	LF	$23.99476	STM DR PIPE 18",H 1-10	$215,728.73
0160	550-1240	3220.180	LF	$33.13054	STM DR PIPE 24",H 1-10	$106,686.30
0170	550-1360	1144.280	LF	$49.04722	STM DR PIPE 36",H 1-10	$56,123.75
0180	550-2180	800.000	LF	$23.60518	SIDE DR PIPE 18",H 1-10	$18,884.14
0185	550-3518	78.000	EA	$569.41155	SAFETY END SECTION 18",STD,6:1	$44,414.10
0690	550-3618	46.000	EA	$578.28765	SAFETY END SECTION 18",SD,6:1	$26,601.23
0190	550-4218	125.000	EA	$706.65792	FLARED END SECT 18 IN, ST DR	$88,332.24
0195	550-4224	48.000	EA	$624.37114	FLARED END SECT 24 IN, ST DR	$29,969.81
0205	550-4236	12.000	EA	$936.05500	FLARED END SECT 36 IN, ST DR	$11,232.66
0210	550-4242	2.000	EA	$956.76667	FLARED END SECT 42 IN, ST DR	$1,913.53
0425	576-1015	164.000	LF	$26.01452	SLOPE DRAIN PIPE, 15 IN	$4,266.38
0535	603-2018	1185.000	SY	$34.61989	STN DUMPED RIP RAP, TP 1, 18"	$41,024.57
0530	603-2024	91.000	SY	$57.73225	STN DUMPED RIP RAP, TP 1, 24"	$5,253.63
0440	603-7000	1276.000	SY	$3.55551	PLASTIC FILTER FABRIC	$4,536.83
0215	668-2100	95.000	EA	$1,925.16957	DROP INLET, GP 1	$182,891.11
					SUBTOTAL FOR DRAINAGE:	**$985,121.80**

0040 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0320	632-0003	2.000	EA	$9,202.78245	CHANGEABLE MESS SIGN,PORT,TP 3	$18,405.56
0280	636-1020	397.000	SF	$13.07995	HWY SGN,TP1MAT,REFL SH TP3	$5,192.74
0285	636-1029	24.000	SF		HWY SGN,TP2 MATL,REFL SH TP 3	
0500	636-1033	607.880	SF	$18.17309	HWY SIGNS, TP1MAT,REFL SH TP 9	$11,047.06
0495	636-1041	21.000	SF	$32.14606	HWY SIGNS,TP 2MAT,REFL SH TP 9	$675.07
0490	636-2070	1255.000	LF	$6.98922	GALV STEEL POSTS, TP 7	$8,771.47
0290	636-2080	170.000	LF	$8.81114	GALV STEEL POSTS, TP 8	$1,497.89
0295	636-2090	408.000	LF	$7.72455	GALV STEEL POSTS, TP 9	$3,151.62
0505	636-3010	4.000	EA	$516.26028	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	$2,065.04
0475	653-0120	85.000	EA	$67.15594	THERM PVMT MARK, ARROW, TP 2	$5,708.25
0480	653-0170	21.000	EA	$88.81047	THERM PVMT MARK, ARROW, TP 7	$1,865.02
0485	653-0180	4.000	EA		THERM PVMT MARK, ARROW, TP 8	
0325	653-1704	165.000	LF	$3.85230	THERM SOLID TRAF STRIPE,24",WH	$635.63
0305	653-2501	13.000	LM	$1,339.02137	THERMO SOLID TRAF ST, 5 IN, WH	$17,407.28
0310	653-2502	12.000	LM	$1,319.00205	THERMO SOLID TRAF ST, 5 IN YE	$15,828.02
0345	653-3501	870.000	GLF	$0.22640	THERMO SKIP TRAF ST, 5 IN, WHI	$196.97
0390	653-4501	11.000	GLM	$743.18629	THERMO SKIP TRAF ST, 5 IN, WHI	$8,175.05
0270	653-6004	7299.000	SY		THERM TRAF STRIPING, WHITE	
0470	653-6006	3614.000	SY	$2.59894	THERM TRAF STRIPING, YELLOW	$9,392.57
0450	654-1001	36.000	EA	$4.13489	RAISED PVMT MARKERS TP 1	$148.86
0300	654-1003	3822.000	EA	$2.75249	RAISED PVMT MARKERS TP 3	$10,520.02
0455	657-1085	720.000	LF	$5.59751	PRF PL SD PVT MKG,8",B/W,TP PB	$4,030.21
0465	657-3085	720.000	GLF	$3.95475	PRF PL SK PVMT MKG,8",B/W,TPPB	$2,847.42
0460	657-6085	720.000	LF	$5.21511	PRF PL SD PVMT MKG,8",B/Y,TPPB	$3,754.88
					SUBTOTAL FOR SIGNING AND MARKING:	**$131,316.63**

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 522770-

0050 - MAJOR STRUCTURES

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0335	500-3101	285.000	CY	$453.86904	CLASS A CONCRETE	$129,352.68
					SUBTOTAL FOR MAJOR STRUCTURES:	**$129,352.68**

0060 - EROSION CONTROL - TEMPORARY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0080	163-0232	30.000	AC	$119.65527	TEMPORARY GRASSING	$3,589.66
0085	163-0240	1414.000	TN	$132.15007	MULCH	$186,860.20
0510	163-0529	14259.000	LF	$2.56719	CNST/REM TEMP SED BAR OR BLD STRW CK DM	$36,605.56
0100	163-0531	10.000	EA	$7,314.20833	CONSTR & REM SEDIMENT BASIN,TP 1,STA NO- SEVERAL LOCATIONS	$73,142.08
0105	163-0550	72.000	EA	$180.63091	CONS & REM INLET SEDIMENT TRAP	$13,005.43
0520	165-0050	150.000	LF	$1.78714	MAINT OF SILT RETENTION BARRIER	$268.07
0515	170-1000	300.000	LF	$12.44318	FLOAT SILT RETENTION BARRIER	$3,732.95
0145	171-0030	10850.000	LF	$3.03805	TEMPORARY SILT FENCE, TYPE C	$32,962.84
					SUBTOTAL FOR EROSION CONTROL - TEMPORARY:	**$350,166.79**

0070 - EROSION CONTROL - PERTMANENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0115	165-0030	5425.000	LF	$0.67698	MAINT OF TEMP SILT FENCE, TP C	$3,672.62
0120	165-0041	10695.000	LF	$0.70563	MAINT OF CHECK DAMS - ALL TYPES	$7,546.71
0135	165-0105	72.000	EA	$87.72168	MAINT OF INLET SEDIMENT TRAP	$6,315.96
0250	700-6910	60.000	AC	$523.70067	PERMANENT GRASSING	$31,422.04
0255	700-7000	120.000	TN	$45.84650	AGRICULTURAL LIME	$5,501.58
0260	700-8000	27.000	TN	$483.83359	FERTILIZER MIXED GRADE	$13,063.51
0265	700-8100	2994.000	LB	$2.39979	FERTILIZER NITROGEN CONTENT	$7,184.97
					SUBTOTAL FOR EROSION CONTROL - PERTMANENT:	**$74,707.39**

0080 - PAVEMENT - ALTERNATE 1

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0015	310-5100	207651.000	SY	$19.17840	GR AGGR BS CRS 10IN INCL MATL	$3,982,413.94
					SUBTOTAL FOR PAVEMENT - ALTERNATE 1:	**$3,982,413.94**

0090 - PAVEMENT - ALTERNATE 2

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0680	301-2160	207651.000	SY		SOIL-CEM STAB BASE CRS, 8 IN	
					SUBTOTAL FOR PAVEMENT - ALTERNATE 2:	

TOTALS FOR JOB 522770-

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DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 522770-

ITEMS COST:	$17,102,577.42
COST GROUP COST:	$0.00
ESTIMATED COST:	$17,102,577.42
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	$17,102,577.42

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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: EDS00-0084-00(023) OFFICE: **Tifton**
County **CLINCH/WARE** DATE: **October 16, 2013**

P.I. # **422120-**

Description: ***US 84/SR 38 from West of Woodyard Creek/Clinch to West of Greasy Creek/Ware***

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

TO Jeremy Busby, P.E., Project Manager

SUBJECT UPDATED - UTILITY COST ESTIMATE ***(VIA E-MAIl)***

A review of utilities located on the above referenced project has been conducted based on the proposed breakout of the Manor Area. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

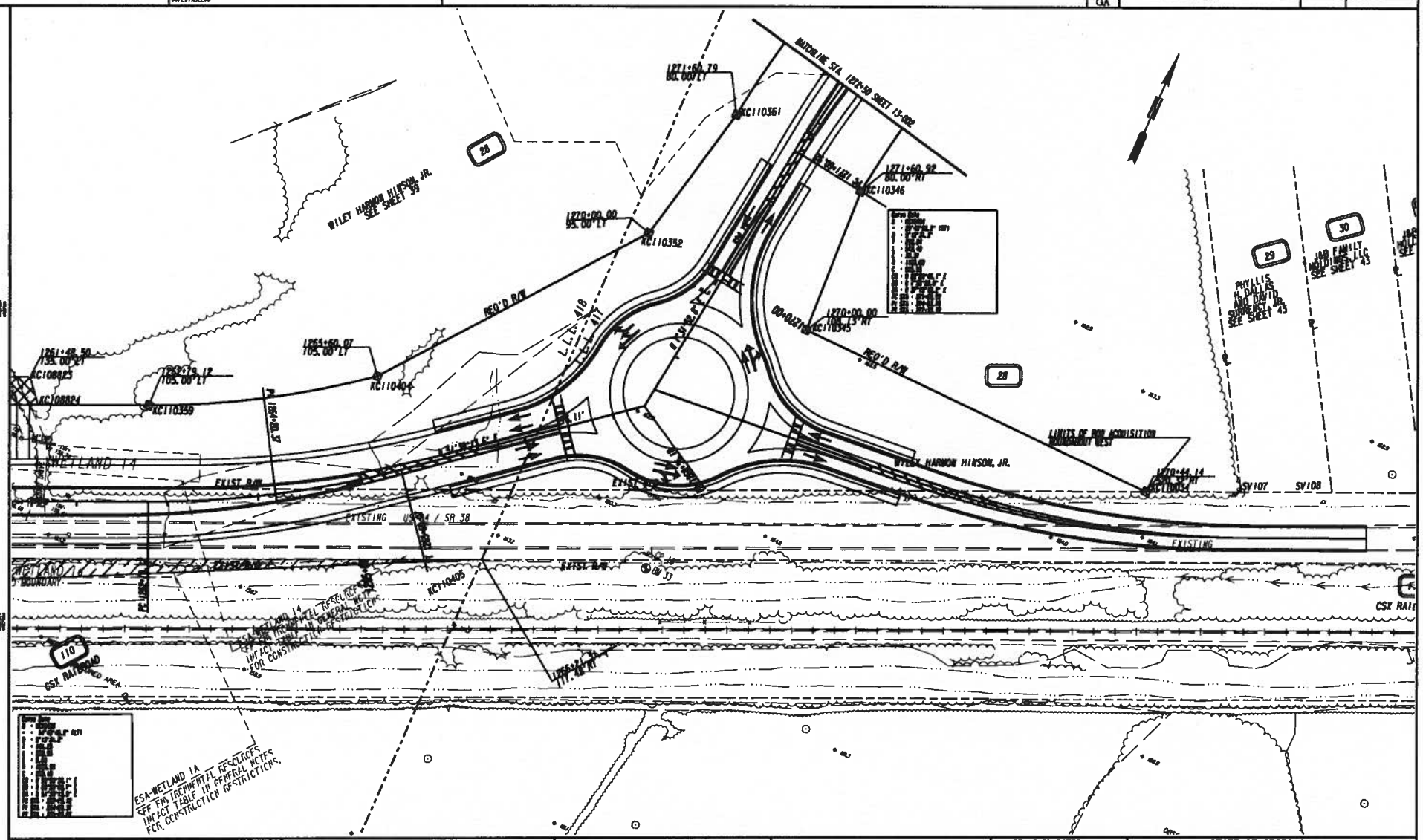
Utility Owner	Reimbursable	Non- Reimbursable	Estimate Based on
Atlanta Gas Light -	$0.00	$310,000.00	No Cost Letter
Alma Telephone Company	$0.00	$80,000.00	No Cost Letter
Bellsouth/AT&T	0.00	$273,000.00	Only Phone Hut in Manor is reimbursable-Manor area to be removed from project.
City of Argyle	$0.00	$0.00	No conflict
City of Homerville	$0.00	$0.00	No conflict
Comcast Cable	$0.00	$136,000.00	Site Visit / Available Drawings
CSX Railroad	NA	N/A	Contact SUO
Georgia Power Company (Distribution)	$0.00	$371,250.00	No Cost Letter
Georgia Power Company (Transmission)	$710,000	$0.00	Formal Cost Estimate from Utility
Slash Pine EMC	$0.00	$106,000.00	No Cost Letter
Tower Cloud	$0.00	$224,000.00	No Cost Letter
Windstream Communications	$0.00	$637,500.00	No Cost Letter
Total	$710,000.00	$1,338,750.00	

Estimate is based upon the best available information at the current stage; however, unforeseen prior rights information may be provided by the utility company at a later date that could cause some non-reimbursable costs to shift over to the reimbursable cost column.

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

TW:GM:gm

c: Abdulvahid Munshi, State Utilities Office
Brent Thomas, District Preconstruction Engineer



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

SCALE IN FEET
0 50 100 200

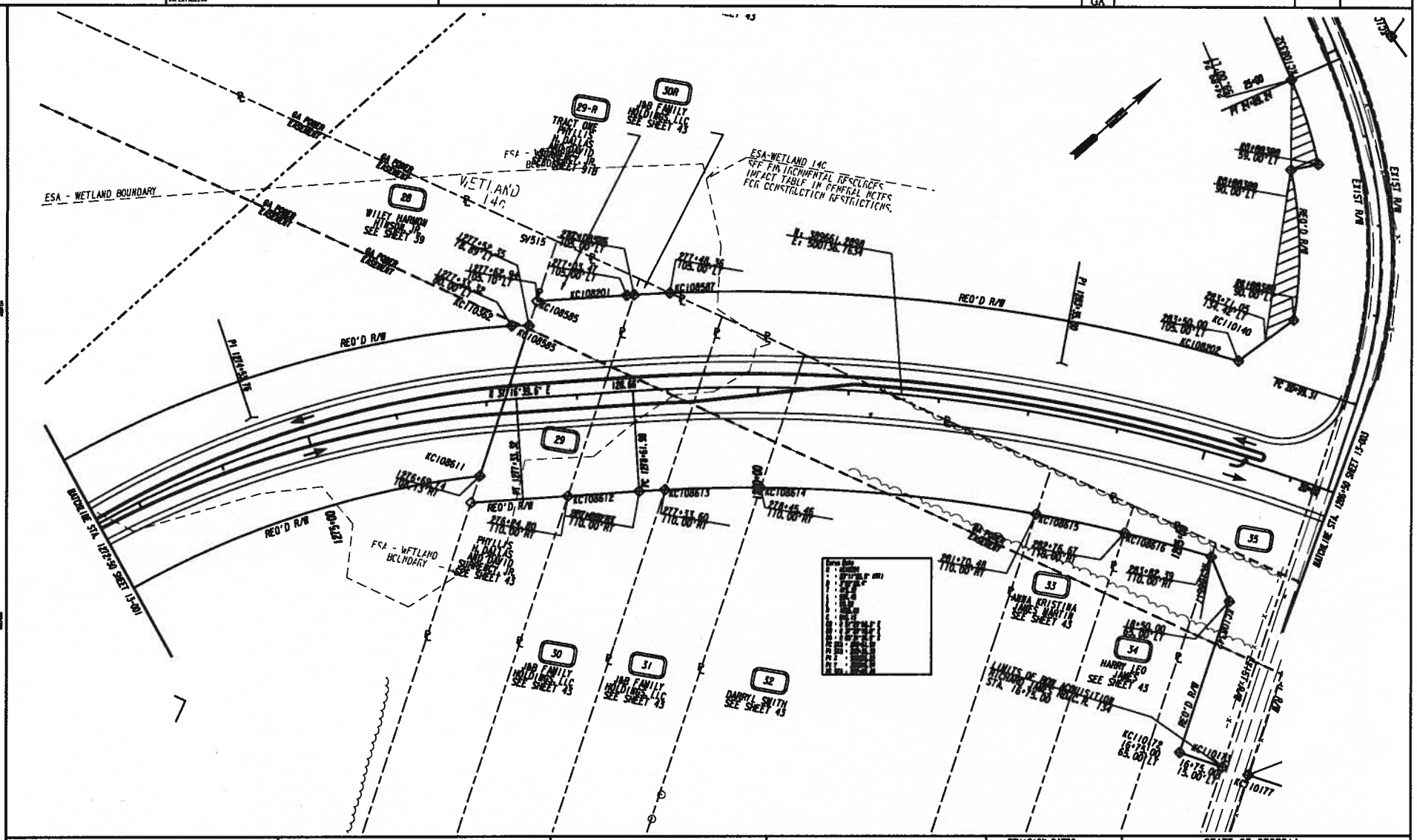
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

MAINLINE PLAN

DRAWING No.
13-001

DATE	TIME	OPTIONS	ACCESS	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER		OPERATIONS		GA			



GEORGIA
DEPARTMENT OF TRANSPORTATION

SCALE IN FEET
0 50 100 200

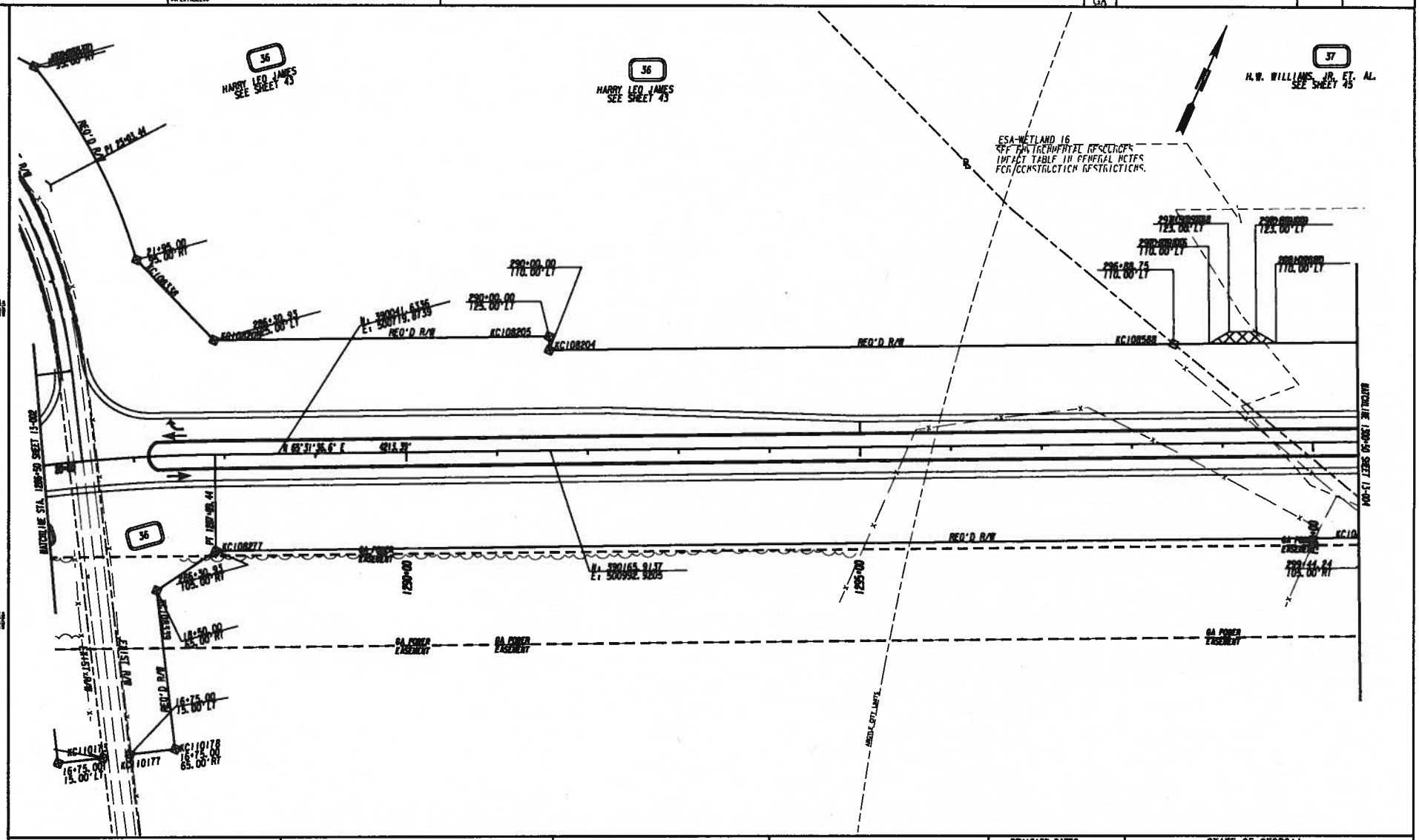
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

MAINLINE PLAN

DRAWING No. 13-002

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			



GEORGIA
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OF
TRANSPORTATION

SCALE IN FEET
0 50 100 200

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:
MAINLINE PLAN

DRAWING No.
13-003

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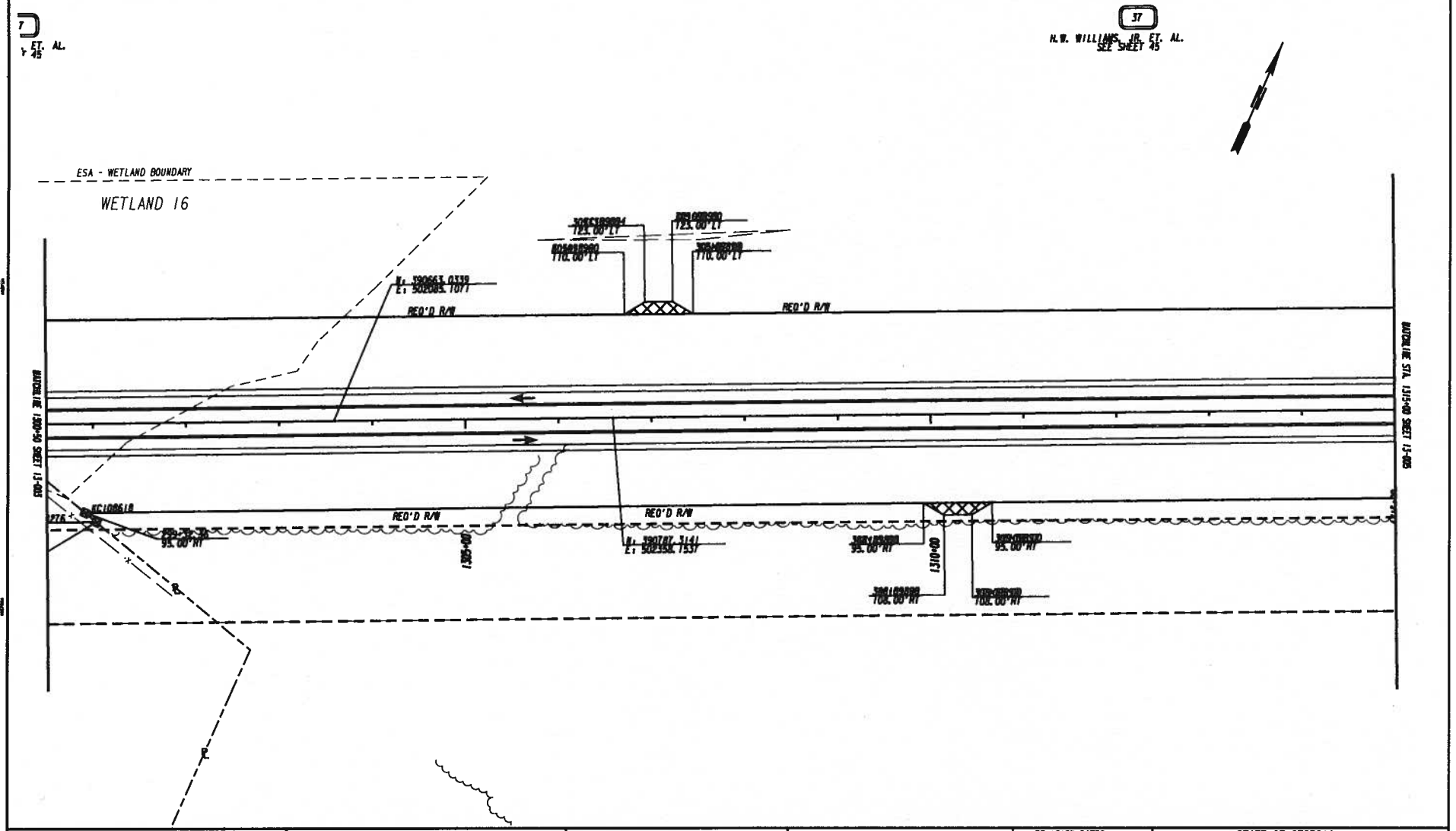

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SCALE IN FEET
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
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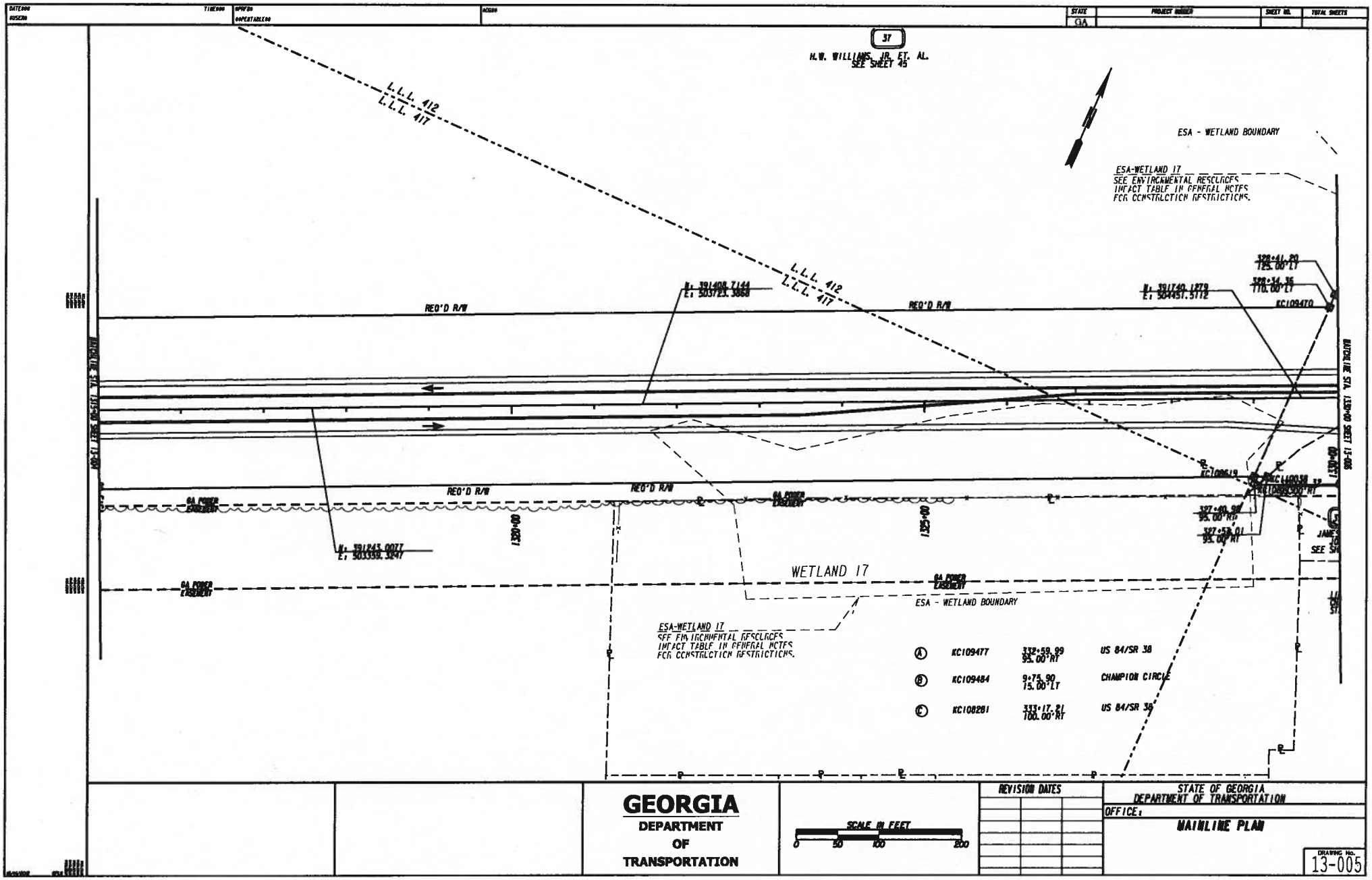
MAINLINE PLAN

DRAWING No.
13-004



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GEORGIA
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OF
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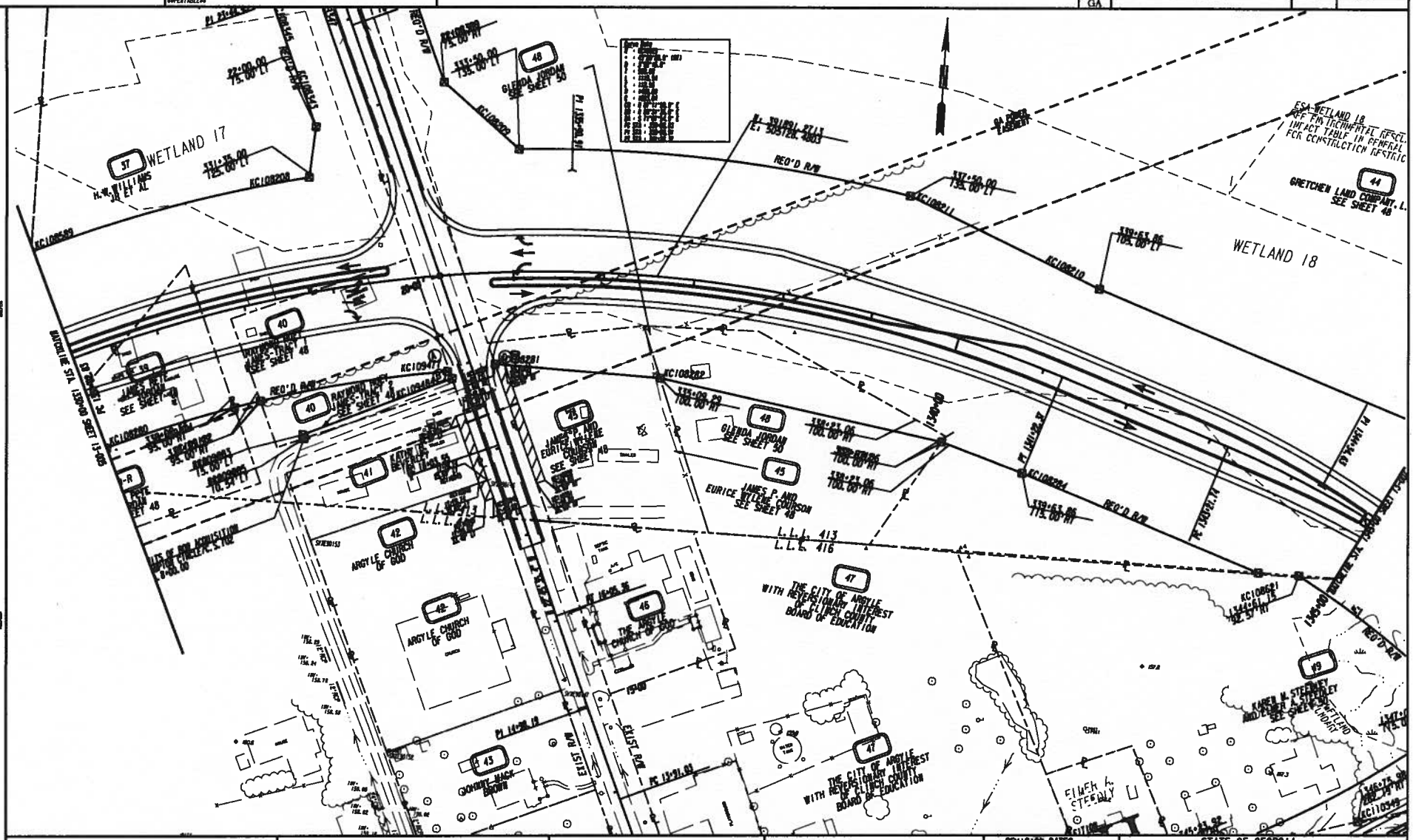
SCALE IN FEET
0 50 100 200

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

MAINLINE PLAN

DRAWING No. 13-005



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

GEORGIA
DEPARTMENT OF TRANSPORTATION

SCALE IN FEET
0 50 100 200

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

MAINLINE PLAN

DRAWING No. 13-006

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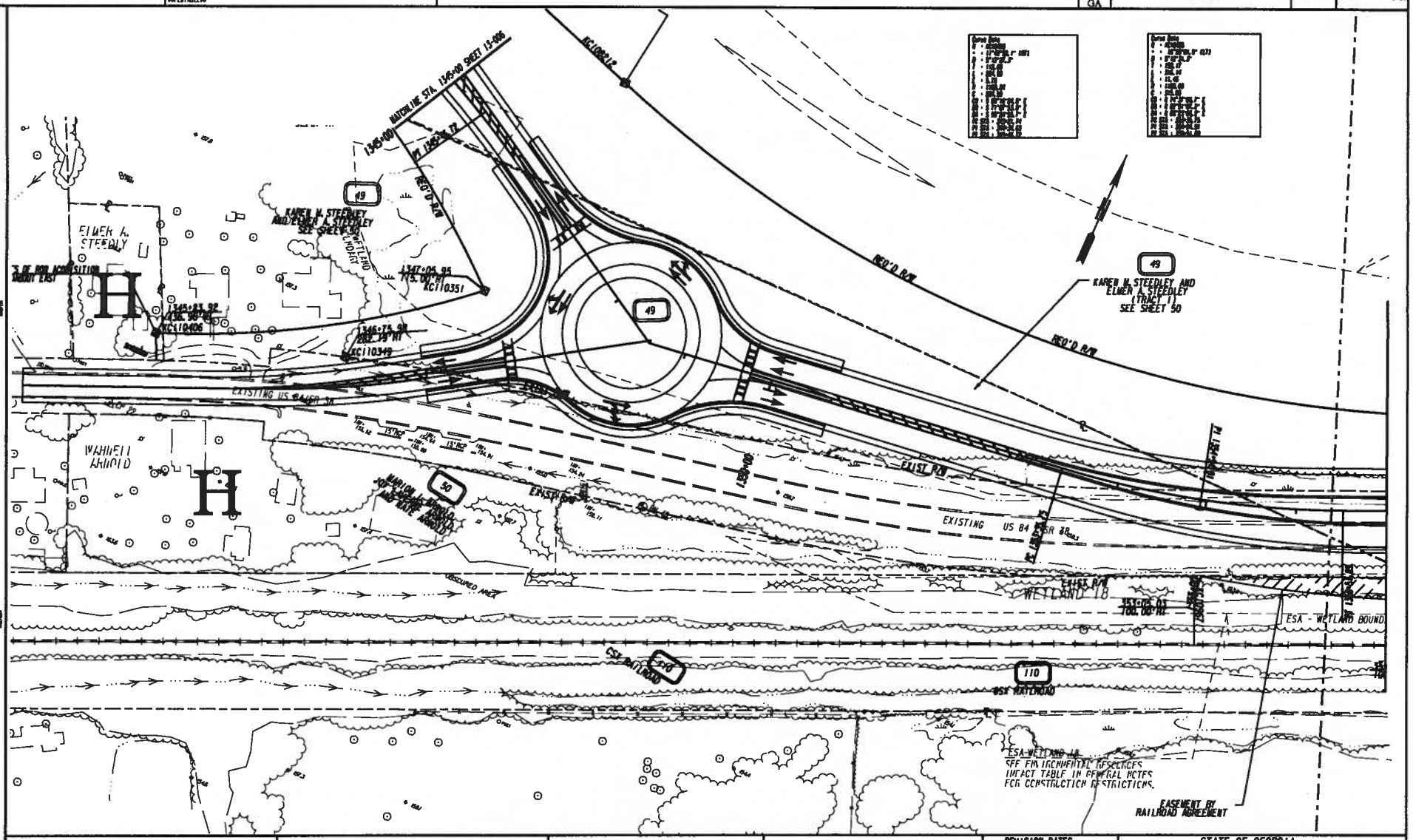

GEORGIA
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SCALE IN FEET
0 50 100 200

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

MAINLINE PLAN

DRAWING No.
13-007