

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0006327 & 0010554
CSSTP-0006-00(327)
Barrow County
GDOT District 1 - Gainesville
West Winder Bypass
Phases I & II

OFFICE Design Policy & Support

DATE September 28, 2016


FROM *for* Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Richard Cobb, Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Shannon Giles, Area Engineer - D1, A2
Marshall Troup, Project Manager
BOARD MEMBER, - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

LOCATION AND DESIGN REPORT

FILE PI No. 0006327 & 0010554
Barrow County
West Winder Bypass from
SR 316 to SR 211

OFFICE Program Delivery

DATE September 15, 2016

FROM Albert V. Shelby, III, Office of Program Delivery Administrator

Albert Shelby

TO Brent Story, PE, State Design Policy Engineer
Attn: Dave Peters, PE, State Conceptual Design Group Manager

SUBJECT Request for Location and Design Approval

Description and Project Proposal:

This project comprises the western bypass of the city of Winder from Patrick Mill Road/CR 93, 1000'+- north of SR 316 northward on new and existing location to SR 211 for a total of 5 miles. The proposed construction will widen Patrick Mill Road/CR93 from a two lane to a four lane divided highway with a 24' raised median from approximately 1000' north of SR316 to Burson Maddox Road. The roadway will continue north on new location, bridge over SR 8, the CSX Railroad Track, and Bankhead Highway, cross Pearl Pentecost Road and connect to SR 211 approximately 2500' north of Stillwood Drive. There will be 3 signalized intersections constructed in Phase I (Matthews School Road at SR8, West Winder Bypass and Matthews School Road, West Winder Bypass at SR211) and 1 signalized intersection in Phase II (West Winder Bypass at Carl Bethlehem Road).

Concept Approval Date: Approved July 20th, 2006
Revised May 31st, 2011
Revised July 17th, 2013

Concept Update: N/A

Environmental Document: No document required; projects are state funded and below the \$100 million dollar threshold.

Public Involvement:

- Public Information Open House:
 - September 26, 2006: A total of three hundred twenty-two people attended at the Haymon-Morris Middle School. It was held from 4pm to 7pm. From those attending, forty three comment forms and four verbal statements were received. Nineteen additional comments were received during the ten-day comment period following the meeting (September 26, 2006 through October 6, 2006). As a result, thirteen

opposed, twenty four were in support, five were uncommitted and nineteen expressed conditional support.

- o February 19, 2013: A total of seventy people attended and a total of twenty-four comments were received. Of those, six opposed the project, four were in support of the project, twelve expressed conditional support for the project and two were uncommitted. A thirty-day comment period followed the open house. Many of the comments received were traffic related. The traffic engineering study was reviewed by GDOT to address these comments.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

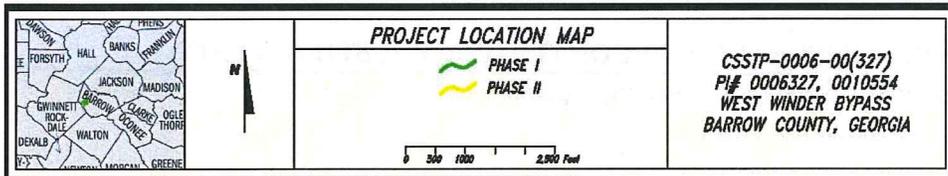
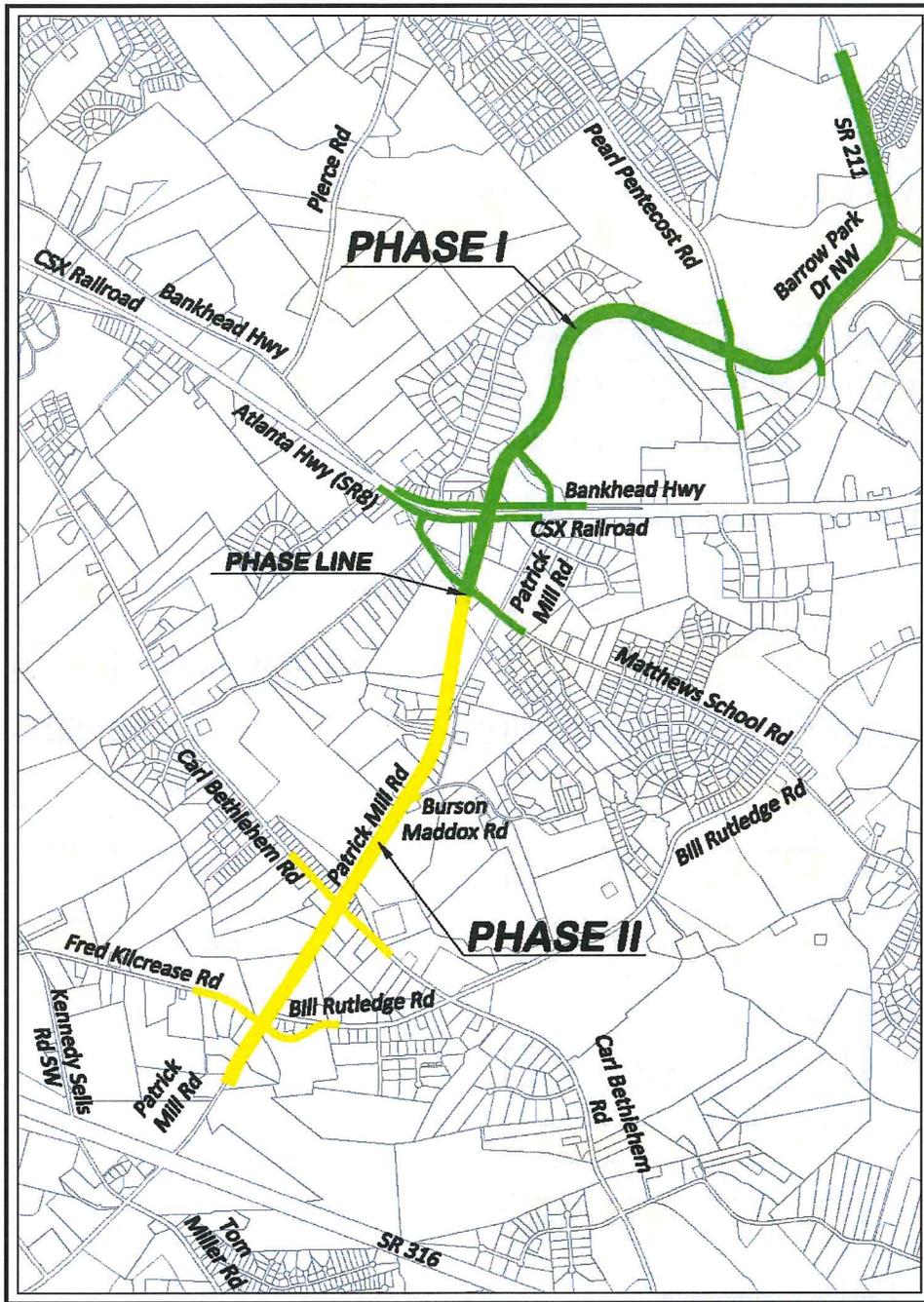
Concur: *Neil Patel*
GDOT Director of Engineering

Approve: *Margaret B. Pucko* *9.23.16*
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: *September 28, 2016*
(To be entered by State Conceptual Design Group Manager)

Attachments:

- Sketch Map
- Construction Cost Estimate
- Notice of Location and Design Approval



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0006327 OFFICE Program Delivery

PROJECT DESCRIPTION

WEST WINDER BYP FM CR 325/MATTHEWS SCHOOL RD TO SR
211- PHI

DATE August 16, 2016

Chandria L. Brown for
From: Albert Shelby, III, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Marshall Troup

MGMT LET DATE 5/15/2018

MGMT ROW DATE Authorized

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 38,162,971.13

DATE 12/30/2015

RIGHT OF WAY \$ 5,200,000.00

DATE Authorized

UTILITIES \$ 4,083,800.00

DATE 12/30/2015

REVISED COST ESTIMATES

CONSTRUCTION* \$ 38,332,395.30

RIGHT OF WAY \$

UTILITIES \$ No Change

*Cost Contains 10 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

Changes in construction material costs since last update.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	32,939,649.61	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	1,646,982.48	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	3,458,663.21	Base Estimate (A) + E & I (B) x	10 %
			See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	287,100.00	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	38,332,395.30	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS:

Detailed Cost Estimate Printout Liquid AC Adjustment Spreadsheet

WEST WINDER BYPASS

CSSTP-0006-00(327)

PI 0006327 Phase 1

<u>Item</u>	<u>Estimated Cost</u>
CSX Railroad New Highway Bridge	\$151,000.00
Georgia Power Transmission (Six Structures)	\$1,500,000.00
Georgia Power Distribution (Estimated 1.25 Miles of Poles)	\$530,000.00
Jackson EMC (Uknown Amount of Facilities)	\$54,000.00
City of Winder Gas (Uknown Quantity - Estimated 0.7 Mile of 4-inch Steel Pipe @ \$60/L.F.)	\$221,800.00
Water Utility (1.25 Miles of New Construction @ \$95/L.F.)	\$627,000.00
Sanitary Sewer Relocation	\$1,000,000.00
Total	\$4,083,800.00

PI 0010554 Phase 2

<u>Item</u>	<u>Estimated Cost</u>
Colonial Pipeline	\$3,500,000.00
Georgia Power Distribution (Estimated 1.75 Miles of Poles)	\$742,000.00
Jackson EMC (Uknown Amount of Facilities)	\$75,000.00
City of Winder Gas (Uknown Quantity - Estimated 1 Mile of 4-inch Steel Pipe @ \$60/L.F.)	\$316,800.00
Water Utility (1.75 Miles of New Construction @ \$95/L.F.)	\$877,800.00
24-Inch Water Main Carl Bethlehem Road	\$250,000.00
Total	\$5,761,600.00

PI 0010555 Phase 3

<u>Item</u>	<u>Estimated Cost</u>
Georgia Power Distribution (Estimated 0.5 Mile of Poles)	\$212,000.00
Jackson EMC (Uknown Amount of Facilities)	\$21,000.00
City of Winder Gas (Uknown Quantity - Estimated 0.30 Mile of 4-inch Steel Pipe @ \$60/L.F.)	\$95,000.00
Water Utility (0.38 Mile of New Construction @ \$95/L.F.)	\$192,700.00
Total	\$520,700.00
Grand Total	\$10,366,100.00

Job ID: 0006327 PHA
SE 1

DETAILED COST ESTIMATE

JOB NUMBER: 0006327_PHASE FED/STATE PROJECT
NUMBER:
SPEC YEAR: 13
DESCRIPTION: WEST WINDER BYPASS_PHASE 1

ITEMS FOR JOB 0006327 PHASE 1

001 - MAJOR STRUCTURES

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0003	009-3000	1 00	LS	\$4,525,800.00000	MISCELLANEOUS CONSTRUCTION	\$4,525,800.00
0263	500-3101	720 00	CY	\$678 91000	CLASS A CONCRETE	\$488,815.20
0278	511-1000	92610 00	LB	\$0 92000	BAR REINF STEEL	\$85,201.20
0396	627-1000	5130 00	SF	\$47 42000	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	\$243,264.60
0403	627-1010	7740 00	SF	\$48 22000	MSE WALL FACE, 10 - 20 FT HT, WALL NO -	\$373,222.80
0408	627-1020	5130 00	SF	\$46 20000	MSE WALL FACE, 20 - 30 FT HT, WALL NO -	\$237,006.00
MAJOR STRUCTURES Total						\$5,953,309.80

002 - GRADING AND DRAINAGE

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0143	207-0203	1000 00	CY	\$56 46000	FOUND BK FILL MATL, TP II	\$56,460.00
0148	210-0100	1 00	LS	\$5,750,000 00000	GRADING COMPLETE	\$5,750,000.00
0218	441-0204	430 00	SY	\$36 43000	PLAIN CONC DITCH PAVING, 4 IN	\$15,664.90
0233	441-0600	26 00	CY	\$689 73000	CONC HEADWALLS	\$17,932.98
0238	441-0754	17372 00	SY	\$42 99000	CONC MEDIAN, 7 1/2 IN	\$746,822.28
0243	441-8222	924 00	LF	\$14 80000	CONC CURB & GUTTER/ 8X30TP2	\$13,675.20
0288	550-1180	1000 00	LF	\$36 37000	STM DR PIPE 18,H 1-10	\$36,370.00
0293	550-1240	1500 00	LF	\$48 40000	STM DR PIPE 24,H 1-10	\$72,600.00
0298	550-1300	1500 00	LF	\$59 26000	STM DR PIPE 30,H 1-10	\$88,890.00
0303	550-1363	1500 00	LF	\$61 00000	STM DR PIPE 36,H 20-25	\$91,500.00
0308	550-1421	150 00	LF	\$75 00000	STM DR PIPE 42,H 10-15	\$11,250.00
0313	550-1482	100 00	LF	\$175 06000	STM DR PIPE 48,H 15-20	\$17,506.00
0318	550-1483	100 00	LF	\$141 44000	STM DR PIPE 48,H 20-25	\$14,144.00
0323	550-1541	100 00	LF	\$131 00000	STM DR PIPE 54,H 10-15	\$13,100.00
0328	550-2180	75 00	LF	\$28 70000	SIDE DR PIPE 18,H 1-10	\$2,152.50
0333	550-2240	75 00	LF	\$30 34000	SIDE DR PIPE 24,H 1-10	\$2,275.50
0338	550-3324	4 00	EA	\$787 61000	SAFETY END SECTION 24,STD,4 1	\$3,071.64
0343	550-3524	4 00	EA	\$676 00000	SAFETY END SECTION 24,STD,6 1	\$3,500.00
0348	550-4118	20 00	EA	\$524 34000	FLARED END SECT 18 IN, SIDE DR	\$10,486.80
0353	550-4218	8 00	EA	\$689 90000	FLARED END SECT 18 IN, ST DR	\$5,359.20
0358	550-4224	6 00	EA	\$757 34000	FLARED END SECT 24 IN, ST DR	\$4,544.04
0363	550-4230	4 00	EA	\$907 20000	FLARED END SECT 30 IN, ST DR	\$3,628.80
0388	550-4236	4 00	EA	\$1,146 47000	FLARED END SECT 36 IN, ST DR	\$4,585.88
0373	603-2024	1250 00	SY	\$67 10000	STN DUMPED RIP RAP, TP 1, 24	\$83,875.00
0378	603-2182	1000 00	SY	\$54 91000	STN DUMPED RIP RAP, TP 3, 24	\$54,910.00
0383	603-7000	2250 00	SY	\$3 93000	PLASTIC FILTER FABRIC	\$8,842.50
0388	611-8050	2 00	EA	\$854 06000	ADJUST MANHOLE TO GRADE	\$1,708.12
0628	668-2100	5 00	EA	\$2,352 01000	DROP INLET, GP 1	\$11,760.05
0633	668-5000	2 00	EA	\$2,409 94000	JUNCTION BOX	\$4,819.88
GRADING AND DRAINAGE Total						\$7,151,435.27

003 - TRAFFIC CONTROL

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0006	150-1000	1 00	LS	\$150,000 00000	TRAFFIC CONTROL	\$150,000.00
TRAFFIC CONTROL Total						\$150,000.00

004 - MISCELLANEOUS

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0002	001-1000	1 00	EA	\$80,711 63000	FORCE ACCOUNT NO	\$80,711.63
0013	153-1300	1 00	EA	\$89,677 38000	FIELD ENGINEERS OFFICE TP 3	\$89,677.36
0423	634-1200	225 00	EA	\$113 95000	RIGHT OF WAY MARKERS	\$25,638.75
MISCELLANEOUS Total						\$196,027.74

005 - SIGNING, STRIPING AND SIGNALS

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0428	636-1020	15 00	SF	\$13 09000	HWY SGN,TP1MAT,REFL SH TP3	\$196.35
0433	636-1029	108 00	SF	\$14 74000	HWY SGN,TP2 MATL,REFL SH TP 3	\$1,591.92
0453	636-1072	602 00	SF	\$25 23000	HWY SIGNS,ALUM EXTRD PNLS, RS TP 3	\$15,188.46
0456	636-2070	43 00	LF	\$5 82000	GALV STEEL POSTS, TP 7	\$250.26
0463	636-2080	357 00	LF	\$9 77000	GALV STEEL POSTS, TP 8	\$3,487.89
0468	636-3000	3483 00	LB	\$5 57000	GALV STEEL STR SHAPE POST	\$19,400.31
0473	636-5010	22 00	EA	\$40 32000	DELINEATOR, TP 1	\$887.04
0478	636-9094	22 00	LF	\$108 72000	P-IN-PL, SIGNS, STL H, HP 12 X 53	\$2,391.84
0523	647-1000	1 00	LS	\$140,000 00000	TRAF SIGNAL INSTALLATION NO -	\$140,000.00
0528	647-1000	1 00	LS	\$140,000 00000	TRAF SIGNAL INSTALLATION NO -	\$140,000.00
0533	647-1000	1 00	LS	\$140,000 00000	TRAF SIGNAL INSTALLATION NO -	\$140,000.00
0538	647-2150	5 00	EA	\$1,787 76000	PULL BOX, PB-5	\$8,938.80
0543	653-0110	6 00	EA	\$72 91000	THERM PVMT MARK, ARROW, TP 1	\$437.46
0548	653-0120	57 00	EA	\$70 37000	THERM PVMT MARK, ARROW, TP 2	\$4,011.09
0553	653-0170	6 00	EA	\$96 47000	THERM PVMT MARK, ARROW, TP 7	\$590.82
0556	653-0210	13 00	EA	\$115 01000	THERM PVMT MARK, WORD, TP 1	\$1,495.13
0563	653-1501	50302 00	LF	\$0 40000	THERMO SOLID TRAF ST 5 IN, WHI	\$20,120.80
0568	653-1502	33089 00	LF	\$0 41000	THERMO SOLID TRAF ST, 5 IN YEL	\$13,566.49
0573	653-1704	2107 00	LF	\$5 55000	THERM SOLID TRAF STRIPE,24,WHI	\$11,693.85
0578	653-1804	731 00	LF	\$1 84000	THERM SOLID TRAF STRIPE, 8,WHI	\$1,345.04
0583	653-3501	24456 00	GLF	\$0 28000	THERMO SKIP TRAF ST, 5 IN, WHI	\$6,847.68
0598	654-1001	295 00	EA	\$3 26000	RAISED PVMT MARKERS TP 1	\$961.70
0603	654-1003	730 00	EA	\$4 11000	RAISED PVMT MARKERS TP 3	\$3,000.30
0608	655-7000	2 00	EA	\$908 48000	PVMT ARROW, PREFORM PLASTIC W/RAISE REFL	\$1,816.96
0613	657-1085	4937 00	LF	\$5 05000	PRF PL SD PVT MKG,8,BW,TP PB	\$24,931.85
0618	657-3085	909 00	GLF	\$3 36000	PRF PL SK PVMT MKG,8,BW,TPPB	\$2,718.24
0623	657-6085	6324 00	LF	\$5 16000	PRF PL SD PVMT MKG,8,BW,TPPB	\$27,471.84
0643	682-6233	5540 00	LF	\$5 62000	CONDUIT, NONMETL, TP 3, 2 IN	\$30,580.80
0708	935-4010	90 00	EA	\$38 51000	FIBER OPTIC SPLICE, FUSION	\$3,465.90
SIGNING STRIPING AND SIGNALS Total						\$627,388.82

006 - GUARDRAIL

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0498	641-1100	525 00	LF	\$31 88000	GUARDRAIL, TP T	\$16,737.00
0503	641-1200	4000 00	LF	\$17 37000	GUARDRAIL, TP W	\$69,480.00
0508	641-5001	25 00	EA	\$973 56000	GUARDRAIL ANCHORAGE, TP 1	\$24,339.00
0513	641-5012	25 00	EA	\$2,264 71000	GUARDRAIL ANCHORAGE, TP 12	\$56,617.75
GUARDRAIL Total						\$167,173.75

007 - BASE AND PAVING

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0153	310-1101	100960 00	TN	\$21 59000	GR AGGR BASE CRS, INCL MATL	\$2,179,726.40
0168	402-3121	17800 00	TN	\$66.39000	RECYL AC 25MM SP,GP1/2,BM&HL	\$1,188,381.00
0173	402-3130	3400 00	TN	\$70 64000	RECYL AC 12 5MM SP,GP2,BM&HL	\$240,176.00
0178	402-3190	6200 00	TN	\$70 76000	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$438,712.00
0253	446-1100	630 00	LF	\$3 58000	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$2,255.40
0268	456-2015	6 00	GLM	\$1,181 00000	INDENT RUMB STRIPS - GRND-IN-PL (SKIP)	\$7,086.00
BASE AND PAVING Total						\$4,056,336.80

008 - CONCRETE WORK

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0203	433-1000	600 00	SY	\$170 20000	REINF CONC APPROACH SLAB	\$102,120.00
0208	436-1000	8000 00	LF	\$8 21000	ASPH CONC CURB -	\$65,680.00
0213	441-0018	2500 00	SY	\$37 40000	DRIVEWAY CONCRETE, 8 IN TK	\$93,500.00
0223	441-0301	23 00	EA	\$1,888 60000	CONC SPILLWAY, TP 1	\$43,437.80
0248	441-6740	24769 00	LF	\$14 13000	CONC CURB & GUTTER/ 8X30 TP7	\$349,985.97
0393	620-0100	7000 00	LF	\$27 71000	TEMP BARRIER, METHOD NO 1	\$193,970.00
CONCRETE WORK Total						\$848,693.77

009 - LANDSCAPING AND EROSION CONTROL

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0018	163-0232	25 00	AC	\$555 75000	TEMPORARY GRASSING	\$13,893.75
0023	163-0240	1500 00	TN	\$143 50000	MULCH	\$215,250.00
0028	163-0300	10 00	EA	\$1,447 24000	CONSTRUCTION EXIT	\$14,472.40
0033	163-0501	12 00	EA	\$1,097 18000	CONSTR AND REMOVE SILT CONTROL GATE, TP 1	\$13,166.16
0036	163-0502	7 00	EA	\$797 69000	CONSTR AND REMOVE SILT CONTROL GATE, TP 2	\$5,583.83
0043	163-0503	50 00	EA	\$444 54000	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	\$22,227.00
0048	163-0520	5000 00	LF	\$14 30000	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$71,500.00
0053	163-0528	2400 00	LF	\$5 82000	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$13,968.00
0058	163-0529	3679 00	LF	\$3 55000	CONSTR AND REMOVE TEMP SED BAR OR BLD STRW CK DM	\$13,060.45
0066	163-0550	30 00	EA	\$150 585000	CONS & REM INLET SEDIMENT TRAP	\$4,517.40
0073	165-0010	15000 00	LF	\$0 210000	MAINT OF TEMP SILT FENCE, TP A	\$3,150.00
0076	165-0030	10000 00	LF	\$0 400000	MAINT OF TEMP SILT FENCE, TP C	\$4,000.00
0083	165-0041	1500 00	LF	\$3 000000	MAINT OF CHECK DAMS - ALL TYPES	\$4,500.00
0088	165-0060	10 00	EA	\$1,262 280000	MAINT OF TEMP SEDIMENT BASIN, STA NO -	\$12,622.80
0093	165-0071	4000 00	LF	\$0 820000	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$3,280.00
0098	165-0085	12 00	EA	\$88 400000	MAINT OF SILT CONTROL GATE, TP 1	\$1,060.80
0103	165-0086	7 00	EA	\$96 980000	MAINT OF SILT CONTROL GATE, TP 2	\$608.86
0108	165-0087	50 00	EA	\$78 410000	MAINT OF SILT CONTROL GATE, TP 3	\$3,920.50
0113	165-0701	10 00	EA	\$553 390000	MAINT OF CONST EXIT	\$5,533.80
0118	165-0105	30 00	EA	\$43 570000	MAINT OF INLET SEDIMENT TRAP	\$1,307.10
0123	167-1000	4 00	EA	\$341 090000	WATER QUALITY MONITORING AND SAMPLING	\$1,364.36
0128	167-1500	30 00	MO	\$836 920000	WATER QUALITY INSPECTIONS	\$25,107.60
0133	171-0010	30000 00	LF	\$1 290000	TEMPORARY SILT FENCE, TYPE A	\$38,700.00
0138	171-0030	20000 00	LF	\$2 950000	TEMPORARY SILT FENCE, TYPE C	\$59,000.00
0518	643-8200	1000 00	LF	\$1 760000	BARRIER FENCE (ORANGE), 4 FT	\$1,760.00
0653	700-6910	50 00	AC	\$1,022 520000	PERMANENT GRASSING	\$51,126.00
0658	700-7000	100 00	TN	\$75 530000	AGRICULTURAL LIME	\$7,553.00
0668	700-8000	45 00	TN	\$534 580000	FERTILIZER MIXED GRADE	\$24,056.10
0673	700-8100	2500 00	LB	\$5 520000	FERTILIZER NITROGEN CONTENT	\$13,800.00
0678	710-9000	2000 00	SY	\$4 460000	PERM SOIL REINFORCING MAT	\$8,920.00
0688	716-2000	40000 00	SY	\$1 010000	EROSION CONTROL MATS, SLOPES	\$40,400.00
LANDSCAPING AND EROSION CONTROL Total						\$699,410 01

TOTALS FOR JOB

ITEMS COST:	\$32,939,649.61
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$32,939,649.61
CONTINGENCY PERCENT:	0.00%
ENGINEERING AND	0.00%
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$32,939,649.61

File Location: Div of Preconstruction > CES
 CONFIDENTIALITY NOTICE: This document may
 distribution/retransmission of taking of any action in

PROJ. NO. CSSTP-2006-00(327)
 P.I. NO. 0006327
 DATE 8/16/2016

CALL NO. 0/00/2016

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Aug-15	\$ 1.989
DIESEL		\$ 2.290
LIQUID AC		\$ 348.00

Link to AC Index:
<http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex>

LIQUID AC ADJUSTMENTS

PA=[{(APM-APL)/APL}]xTMTxAPL

Asphalt

Price Adjustment (PA)				287100	\$	287,100.00
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	556.80		
Monthly Asphalt Cement Price month project let (APL)			\$	348.00		
Total Monthly Tonnage of asphalt cement (TMT)				1375		

ASPHALT	Tons	%AC	AC ton
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	3400	5.0%	170
9.5 mm SP		5.0%	0
25 mm SP	17900	5.0%	895
19 mm SP	6200	5.0%	310
	27500		1375

BITUMINOUS TACK COAT

Price Adjustment (PA)			\$	-	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	556.80		
Monthly Asphalt Cement Price month project let (APL)			\$	348.00		
Total Monthly Tonnage of asphalt cement (TMT)				0		

Bitum Tack

Gals	gals/ton	tons
	232.8234	0

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	556.80		
Monthly Asphalt Cement Price month project let (APL)			\$	348.00		
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 \$ 287,100.00

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0010554 **OFFICE** Program Delivery

PROJECT DESCRIPTION

WEST WINDER BYP FM SR 316 TO CR 325/MATTHEWS SCHOOL
RD-PH II

DATE August 19, 2016

ASR **From:** *Chandani L. Brown for*
Albert V. Shelby III, state Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer
via Email Mailbox: CostEstimatesandUpdates@dot.ga.gov

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Marshall Troup

MGMT LET DATE 5/15/2018

MGMT ROW DATE 5/20/2016

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 15,673,185.94

DATE 12/30/2015

RIGHT OF WAY \$ 5,110,000.00

DATE 5/3/2016

UTILITIES \$ 5,311,600.00

DATE 12/30/2015

REVISED COST ESTIMATES

CONSTRUCTION* \$ 15,885,242.23

RIGHT OF WAY \$ No Change *(update date)*

UTILITIES \$ No Change *(update date)*

*Cost Contains 10 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

Increase due to update in prices of materials.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	13,688,687.77	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	684,434.39	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	1,437,312.22	Base Estimate (A) + E & I (B) x	10 %
			See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	74,807.85	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	15,885,242.23	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS: (File Copy in the Project Cost Estimate Folder)

WEST WINDER BYPASS
CSSTP-0006-00(327)
PI 0006327 Phase 1

Item	Estimated Cost
CSX Railroad New Highway Bridge	\$151,000.00
Georgia Power Transmission (Six Structures)	\$1,500,000.00
Georgia Power Distribution (Estimated 1.25 Miles of Poles)	\$530,000.00
Jackson EMC (Uknown Amount of Facilities)	\$54,000.00
City of Winder Gas (Uknown Quantity - Estimated 0.7 Mile of 4-inch Steel Pipe @ \$60/L.F.)	\$221,800.00
Water Utility (1.25 Miles of New Construction @ \$95/L.F.)	\$627,000.00
Sanitary Sewer Relocation	\$1,000,000.00
Total	\$4,083,800.00

PI 0010554 Phase 2

Item	Estimated Cost
Colonial Pipeline	\$3,000,000.00
Georgia Power Distribution (Estimated 1.75 Miles of Poles)	\$742,000.00
Jackson EMC (Uknown Amount of Facilities)	\$75,000.00
City of Winder Gas (Uknown Quantity - Estimated 1 Mile of 4-inch Steel Pipe @ \$60/L.F.)	\$316,800.00
Water Utility (1.75 Miles of New Construction @ \$95/L.F.)	\$877,800.00
24-Inch Water Main Carl Bethlehem Road	\$300,000.00
Total	\$5,311,600.00

PI 0010555 Phase 3

Item	Estimated Cost
Georgia Power Distribution (Estimated 0.5 Mile of Poles)	\$212,000.00
Jackson EMC (Uknown Amount of Facilities)	\$21,000.00
City of Winder Gas (Uknown Quantity - Estimated 0.30 Mile of 4-inch Steel Pipe @ \$60/L.F.)	\$95,000.00
Water Utility (0.38 Mile of New Construction @ \$95/L.F.)	\$192,700.00
Total	\$520,700.00
Grand Total	\$9,916,100.00

PROJ. NO. [REDACTED]
 P.I. NO. 0010554
 DATE 8/19/2016

CALL NO. 0/00/2016

INDEX (TYPE)	DATE	INDEX
REG. UNI FADED	Aug-16	\$ 1.989
DIESEL		\$ 2.299
LIQUID AC		\$ 348.00

Link to AC Index:
<http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex>

LIQUID AC ADJUSTMENTS

PA=(((APM-APL)/APL))xTMTxAPL
 Asphalt
 Price Adjustment (PA) 71722.8 \$ 71,722.80
 Monthly Asphalt Cement Price month placed (APM) Max. Cap 60% \$ 556.80
 Monthly Asphalt Cement Price month project let (APL) \$ 348.00
 Total Monthly Tonnage of asphalt cement (TMT) 343.5

ASPHALT	Tons	%AC	AC ton
Leveling	500	5.0%	25
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	1475	5.0%	73.75
25 mm SP	2660	5.0%	133
19 mm SP	2235	5.0%	111.75
	6870		343.5

BITUMINOUS TACK COAT
 Price Adjustment (PA) \$ 3,085.05 \$ 3,085.05
 Monthly Asphalt Cement Price month placed (APM) Max. Cap 60% \$ 556.80
 Monthly Asphalt Cement Price month project let (APL) \$ 348.00
 Total Monthly Tonnage of asphalt cement (TMT) 14.77514717

Bitum Tack	Gals	gals/ton	tons
	3440	232.8234	14.7751472

BITUMINOUS TACK COAT (surface treatment)
 Price Adjustment (PA) 0 \$ -
 Monthly Asphalt Cement Price month placed (APM) Max. Cap 60% \$ 556.80
 Monthly Asphalt Cement Price month project let (APL) \$ 348.00
 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

TOTAL LIQUID AC ADJUSTMENT \$ 74,807.85

DETAILED COST ESTIMATE

JOB NUMBER: 0010554
 SPEC YEAR: 01
 DESCRIPTION: WEST WINDER BYPASS PHASE 2

FED/STATE PROJECT NUMBER:

ITEMS FOR JOB 0010554

0010 - ROADWAY ITEMS

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.00	LS	\$350,000.00000	TRAFFIC CONTROL -	\$350,000.00
0010	153-1300	1.00	EA	\$102,866.14000	FIELD ENGINEERS OFFICE TP 3	\$102,866.14
0015	210-0100	1.00	LS	\$2,875,000.00000	GRADING COMPLETE -	\$2,875,000.00
0020	310-1101	39000.00	TN	\$21.54000	GR AGGR BASE CRS, INCL MATL	\$840,060.00
0028	402-1802	100.00	TN	\$152.54086	RECYL AC PATCHING, INCL BM&HL	\$15,254.09
0029	402-1812	500.00	TN	\$94.09096	RECYL AC LEVELING, INC BM&HL	\$47,045.48
0030	402-3121	2660.00	TN	\$65.00000	RECYL AC 25MM SP, GP1/2, BM&HL	\$172,900.00
0035	402-3103	1475.00	TN	\$99.59170	REG AC 9.5 MM SP, TP11, GP2, INCL BM & H L	\$146,897.76
0040	402-3190	2235.00	TN	\$73.00000	RECYL AC 19 MM SP, GP 1 OR 2, INC RM&HL	\$163,155.00
0045	413-1000	3440.00	GL	\$2.00000	BITUM TACK COAT	\$6,880.00
0050	432-0202	100.00	SY	\$8.00000	MILL ASPH CONC PVMT/ 1/2" DEP	\$800.00
0060	436-1000	6000.00	LF	\$8.59279	ASPH CONC CURB -	\$51,556.74
0065	441-0016	2500.00	SY	\$39.61976	DRIVEWAY CONCRETE, 6 IN TK	\$99,049.40
0070	441-0754	1400.00	SY	\$47.09288	CONC MEDIAN, 7 1/2 IN	\$65,930.03
0075	441-6740	10600.00	LF	\$16.38426	CONC CURB & GUTTER/ 8"X30" TP7	\$173,673.16
0080	446-1100	100.00	LF	\$11.72947	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$1,172.95
0085	456-2015	3.50	GLM	\$3,087.31989	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	\$10,805.62
0090	620-0100	3000.00	LF	\$28.72187	TEMP BARRIER, METHOD NO. 1	\$86,165.61
0095	634-1200	150.00	EA	\$118.10536	RIGHT OF WAY MARKERS	\$17,715.80
0100	641-1100	300.00	LF	\$63.47723	GUARDRAIL, TP T	\$19,043.17
0105	641-1200	3000.00	LF	\$18.66547	GUARDRAIL, TP W	\$55,996.41
0110	641-5001	15.00	EA	\$898.99479	GUARDRAIL ANCHORAGE, TP 1	\$13,484.92
0115	641-5012	15.00	EA	\$2,081.50682	GUARDRAIL ANCHORAGE, TP 12	\$31,222.60
ROADWAY ITEMS Total						\$5,346,674.88

0020 - DRAINAGE ITEMS

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0120	207-0203	364.00	CY	\$52.97240	FOUND BKFILL MATL, TP II	\$19,281.95
0125	441-0204	280.00	SY	\$40.58390	PLAIN CONC DITCH PAVING, 4 IN	\$11,363.49
0130	441-0301	12.00	EA	\$2,066.90302	CONC SPILLWAY, TP 1	\$24,802.84
0135	441-0600	30.00	CY	\$940.00000	CONC HEADWALLS	\$28,200.00
0140	500-3101	40.00	CY	\$1,132.21179	CLASS A CONCRETE	\$45,288.47
0145	500-3101	400.00	CY	\$600.50673	CLASS A CONCRETE	\$240,202.69
0155	511-1000	39690.00	LB	\$0.96792	BAR REINF STEEL	\$38,416.74
0165	550-1180	1550.00	LF	\$44.42746	STM DR PIPE 18",H 1-10	\$68,862.56
0170	550-1240	1100.00	LF	\$52.30765	STM DR PIPE 24",H 1-10	\$57,538.42
0175	550-1300	1150.00	LF	\$64.74706	STM DR PIPE 30",H 1-10	\$74,459.12
0180	550-1361	310.00	LF	\$70.00000	STM DR PIPE 36",H 10-15	\$21,700.00
0185	550-1421	240.00	LF	\$85.00000	STM DR PIPE 42",H 10-15	\$20,400.00
0190	550-1422	225.00	LF	\$77.00000	STM DR PIPE 42",H 15-20	\$17,325.00
0195	550-1481	50.00	LF	\$82.00000	STM DR PIPE 48",H 10-15	\$4,100.00
0200	550-1541	150.00	LF	\$131.00000	STM DR PIPE 54",H 10-15	\$19,650.00
0205	550-2180	325.00	LF	\$35.27832	SIDE DR PIPE 18",H 1-10	\$11,465.45
0210	550-2240	105.00	LF	\$42.21527	SIDE DR PIPE 24",H 1-10	\$4,432.60
0211	550-2300	430.00	LF	\$39.78332	SIDE DR PIPE 30",H 1-10	\$17,106.83
0212	550-2360	70.00	LF	\$51.00000	SIDE DR PIPE 36",H 1-10	\$3,570.00
0220	550-3318	65.00	EA	\$674.47570	SAFETY END SECTION 18",STD,4:1	\$43,840.92
0225	550-3324	12.00	EA	\$924.63292	SAFETY END SECTION 24",STD,4:1	\$11,095.60

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0230	550-3518	4.00	EA	\$612.52827	SAFETY END SECTION 18",STD,6:1	\$2,450.11
0235	550-3524	4.00	EA	\$925.00000	SAFETY END SECTION 24",STD,6:1	\$3,700.00
0240	550-1118	8.00	EA	\$414.89369	FLARED END SECT 18 IN, SIDE DR	\$3,319.15
0245	550 4124	6.00	EA	\$640.00000	FLARED END SECT 24 IN, SIDE DR	\$3,840.00
0250	550-4230	4.00	EA	\$810.86491	FLARED END SECT 30 IN, ST DR	\$3,243.46
0255	550-4236	4.00	EA	\$1,239.37333	FLARED END SECT 36 IN, ST DR	\$4,957.49
0260	603-2024	400.00	SY	\$57.53049	STN DUMPED RIP RAP, TP 1, 24"	\$23,012.20
0265	603-2182	500.00	SY	\$48.52405	STN DUMPED RIP RAP, TP 3, 24"	\$24,262.03
0270	603-7000	900.00	SY	\$4.23288	PLASTIC FILTER FABRIC	\$3,809.59
0275	611-3100	1.00	EA	\$1,355.00000	RECONSTR JCT BOX	\$1,355.00
0280	668-2100	6.00	EA	\$1,928.02306	DROP INLET, GP 1	\$11,568.14
0285	668-5000	4.00	EA	\$2,308.53244	JUNCTION BOX	\$9,234.13
DRAINAGE ITEMS Total						\$877,853.98

0040 - SIGNING AND MARKING ITEMS

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0290	636-1020	10.00	SF	\$18.27394	HWY SGN,TP1MAT,REFL SH TP3	\$182.74
0295	636-1029	70.00	SF	\$16.42391	HWY SGN,TP2 MATL,REFL SH TP 3	\$1,149.67
0300	636-1033	225.00	SF	\$18.66136	HWY SIGNS, TP1MAT,REFL SH TP 9	\$4,198.81
0305	636-1041	55.50	SF	\$32.87808	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$1,824.73
0310	636-1072	392.00	SF	\$26.76180	HWY SIGNS,ALUM EXTRD PNLS, RS TP 3	\$10,490.63
0315	636-2070	28.00	LF	\$8.69039	GALV STEEL POSTS, TP 7	\$243.33
0320	636-2080	232.00	LF	\$9.80542	GALV STEEL POSTS, TP 8	\$2,274.86
0325	636-3000	2268.00	LB	\$5.27093	GALV STEEL STR SHAPE POST	\$11,954.47
0330	636-5010	14.00	EA	\$40.00000	DELINEATOR, TP 1	\$560.00
0335	636-9094	14.00	LF	\$85.00000	P-IN-PL,SIGNS,STL H,HP 12 X 53	\$1,190.00
0340	653 0110	2.00	EA	\$70.47084	THERM PVMT MARK, ARROW, TP 1	\$140.94
0345	653-0120	70.00	EA	\$77.11469	THERM PVMT MARK, ARROW, TP 2	\$5,398.03
0350	653-0170	2.00	EA	\$116.00038	THERM PVMT MARK, ARROW, TP 7	\$232.00
0355	653-0210	4.00	EA	\$125.80429	THERM PVMT MARK, WORD , TP 1	\$503.22
0360	653-1501	39063.00	LF	\$0.37391	THERMO SOLID TRAF ST 5 IN, WHI	\$14,606.05
0365	653-1502	33662.00	LF	\$0.44356	THERMO SOLID TRAF ST, 5 IN YEL	\$14,931.12
0370	653-1704	1372.00	LF	\$6.30384	THERM SOLID TRAF STRIPE,24",WH	\$8,648.87
0375	653-1804	1820.00	LF	\$2.39940	THERM SOLID TRAF STRIPE, 8",WH	\$4,366.91
0380	653-3501	22712.00	GLF	\$0.31629	THERMO SKIP TRAF ST, 5 IN, WHI	\$7,183.58
0385	653-6004	1570.00	SY	\$3.96185	THERM TRAF STRIPING, WHITE	\$6,220.10
0390	653-6006	5411.00	SY	\$3.52540	THERM TRAF STRIPING, YELLOW	\$19,075.94
0395	654-1001	200.00	FA	\$4.35857	RAISED PVMT MARKERS TP 1	\$871.71
0400	654-1003	436.00	EA	\$4.43857	RAISED PVMT MARKERS TP 3	\$1,935.22
0405	655-7000	2.00	EA	\$643.00000	PVMT ARROW, PREFORM PLASTIC W/RAISE REFL	\$1,286.00
0410	657-1085	3214.00	LF	\$5.35616	PRF PL SD PVT MKG,8",B/W,TP PB	\$17,214.70
0415	657-3085	526.00	GLF	\$4.29736	PRF PL SK PVMT MKG,8",B/W,TPPB	\$2,260.41
0420	657-6085	3466.00	LF	\$4.97371	PRF PL SD PVMT MKG,8",B/Y,TPPB	\$17,238.88
SIGNING AND MARKING ITEMS Total						\$156,182.92

0050 - TRAFFIC SIGNAL ITEMS

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0425	639-2002	600.00	LF	\$3.48000	STEEL WIRE STRAND CABLE, 3/8"	\$2,088.00
0430	639 3004	4.00	EA	\$14,375.74287	STEEL STRAIN POLE, TP IV	\$57,502.97
0435	647-1000	1.00	LS	\$140,000.00000	TRAF SIGNAL INSTALLATION NO - 0	\$140,000.00
0445	687-1000	1.00	LS	\$4,500.00000	TRAFFIC SIGNAL TIMING -	\$4,500.00
0450	647-2150	3.00	EA	\$1,480.00000	PULL BOX, PB-5	\$4,440.00
0455	682-6233	1760.00	LF	\$5.52000	CONDUIT, NONMETL, TP 3, 2 IN	\$9,715.20
0460	682-7043	182.00	LF	\$49.50000	MULTI-CELL COND SYS,4-WAY,FIBERGLASS	\$9,009.00
0465	935-1113	11270.00	LF	\$2.00000	OUT PLNT FBR OPT CBL,LOOSF TB,SM,24 FBR	\$22,540.00

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0470	935-1511	100.00	LF	\$1.93000	OUT PLNT FBR OPT CBL,DROP,SM,6 FBR	\$193.00
0475	935-3203	2.00	EA	\$550.00000	FBR OPTIC CLOSURE,AERL(SLD),24 FBR	\$1,100.00
0480	935-4010	54.00	FA	\$56.44311	FIBER OPTIC SPLICE, FUSION	\$3,047.93
0485	935-5050	1.00	EA	\$74.00000	FIBER OPTIC PATCH CORD, SM	\$74.00
0490	935-5060	40.00	EA	\$123.00000	FIBER OPTIC SNOWSHOE	\$4,920.00
0495	935-6562	1.00	EA	\$2,500.00000	EXT TRNSCVR,DRP&RPT,1310SM,(SIGNAL JOBS)	\$2,500.00
0500	935-8000	1.00	LS	\$3,988.06000	TESTING	\$3,988.06
0505	937-6150	1.00	EA	\$387.41532	PROGRAMMING MONITOR, TP A	\$387.42
0510	937-8500	1.00	LS	\$2,143.00000	TRAINING	\$2,143.00
0515	939-2305	1.00	EA	\$1,832.10000	FIELD SWITCH, TYPE C	\$1,832.10
0520	939-5010	1.00	EA	\$2,161.00000	ELEC PWR SVC ASSEMBLY,AERIAL SVC POINT	\$2,161.00
TRAFFIC SIGNAL ITEMS Total						\$272,141.68

0070 - EROSION CONTROL ITEMS

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0525	163-0232	15.00	AC	\$548.23920	TEMPORARY GRASSING	\$8,223.59
0530	163-0240	600.00	TN	\$174.90867	MULCH	\$104,945.20
0535	163-0300	6.00	EA	\$1,453.64455	CONSTRUCTION EXIT	\$8,721.87
0540	163-0501	6.00	EA	\$664.48277	CONSTR AND REMOVE SILT CONTROL GATE,TP 1	\$3,986.90
0545	163-0502	4.00	EA	\$501.35967	CONSTR AND REMOVE SILT CONTROL GATE,TP 2	\$2,005.44
0550	163-0503	36.00	EA	\$436.85424	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	\$15,726.75
0555	163-0520	600.00	LF	\$15.68902	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$9,413.41
0560	163-0528	300.00	LF	\$6.94586	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$2,083.76
0565	163-0529	4958.00	LF	\$3.95592	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$19,613.45
0570	163-0531	2.00	EA	\$13,732.28659	CONSTR & REM SEDIMENT BASIN,TP 1,STA NO-	\$27,464.57
0575	163-0550	2.00	FA	\$179.92289	CONS & REM INLET SEDIMENT TRAP	\$359.85
0580	165-0010	9916.00	LF	\$0.53941	MAINT OF TEMP SILT FENCE, TP A	\$5,348.79
0585	165-0030	4958.00	LF	\$0.97381	MAINT OF TEMP SILT FENCE, TP C	\$4,828.15
0590	165-0041	150.00	LF	\$7.51446	MAINT OF CHECK DAMS - ALL TYPES	\$1,127.17
0595	165-0060	2.00	EA	\$1,361.34209	MAINT OF TEMP SEDIMENT BASIN,STA NO -	\$2,722.68
0600	165-0071	2479.00	LF	\$1.43549	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$3,558.58
0605	165-0085	6.00	EA	\$154.58682	MAINT OF SILT CONTROL GATE, TP 1	\$927.52
0610	165-0086	4.00	EA	\$79.14198	MAINT OF SILT CONTROL GATE, TP 2	\$316.57
0615	165-0087	36.00	EA	\$86.35853	MAINT OF SILT CONTROL GATE, TP 3	\$3,108.91
0620	165-0101	6.00	EA	\$609.97321	MAINT OF CONST EXIT	\$3,659.84
0625	165-0105	2.00	EA	\$70.16894	MAINT OF INLET SEDIMENT TRAP	\$140.34
0630	167-1000	2.00	EA	\$400.10266	WATER QUALITY MONITORING AND SAMPLING	\$800.21
0635	167-1500	30.00	MO	\$438.85838	WATER QUALITY INSPECTIONS	\$13,165.75
0640	171-0010	19832.00	LF	\$1.79172	TEMPORARY SILT FENCE, TYPE A	\$35,533.39
0645	171-0030	9916.00	LF	\$3.30476	TEMPORARY SILT FENCE, TYPE C	\$32,770.00
0650	643-8200	1000.00	LF	\$1.61416	BARRIER FENCE (ORANGE), 4 FT	\$1,614.16
0655	700-6910	30.00	AC	\$1,084.82713	PERMANENT GRASSING	\$32,544.81
0660	700-7000	60.00	TN	\$114.57024	AGRICULTURAL LIME	\$6,874.21
0665	700-8000	27.00	TN	\$595.78006	FERTILIZER MIXED GRADE	\$16,086.06
0670	700-8100	1500.00	LB	\$2.74605	FERTILIZER NITROGEN CONTENT	\$4,119.08
0675	710-9000	1000.00	SY	\$5.00000	PERM SOIL REINFORCING MAT	\$5,000.00
0680	716-2000	22000.00	SY	\$0.85765	EROSION CONTROL MATS, SLOPES	\$18,868.30
EROSION CONTROL ITEMS Total						\$395,659.31

TOTALS FOR JOB 0010554

ITEMS COST:	\$13,688,687.77
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$13,688,687.77
CONTINGENCY PERCENT:	0.00%
ENGINEERING AND INSPECTION:	0.00%
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$13,688,687.77

File Location: Div of Preconstruction > CES

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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE Project No. NA
P.I. No. 0010554 County Barrow
West Winder BYP from SR 316 to CR 325/Matthews School Road – PH II

OFFICE Right of Way

DATE 4/26/2016

FROM  Troy D. Byers, Right of Way Administrator

TO Marshall Troup, Project Manager

SUBJECT Cost Estimates

Mgmt LET Date: 5/15/2018
Mgmt R/W Date: 5/20/2016

Attached is a current detailed cost estimate that we received that will be utilized for Right of Way authorization.

ROW Phase: 2019 – HB170 \$3,840,000.00 – Proposed 2017

Attached Cost Estimate \$5,110,000.00

Right of Way funding cannot be requested until the cost estimate has been approved by the Chief Engineer.

Timely submission of the cost estimate and timely approval notification is critical to maintaining the Right of Way authorization schedule. If you have any questions please call Floyd J. Williams at 404-347-0191.

NOTICE OF LOCATION AND DESIGN APPROVAL

***P. I. No. 0006327, 0010554
Barrow County***

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of the location and design approval is: September 28, 2016.

This project comprises the western bypass of the city of Winder from Patrick Mill Road/CR 93, 1000'+- north of SR 316 northward on new and existing location to SR 211 for a total of 5 miles. The proposed construction will widen Patrick Mill Road/CR93 from a two lane to a four lane divided highway with a 24' raised median from approximately 1000' north of SR 316 to Burson Maddox Road. The roadway will continue north on new location, bridge over SR 8, the CSX Railroad Track, and Bankhead Highway, cross Pearl Pentecost Road and connect to SR 211 approximately 2500' north of Stillwood Drive. There will be 3 signalized intersections constructed in Phase I (Matthews School Road at SR8, West Winder Bypass and Matthews School Road, West Winder Bypass at SR211) and 1 signalized intersection in Phase II (West Winder Bypass at Carl Bethlehem Road).

Drawings or maps or plats of the proposed project , as approved , are on file and are available for public inspection at the Georgia Department of Transportation:

Barrow County Courthouse
30 North Broad Street, Winder, GA
Darrell Greeson (County Engineer)
dgreeon@barrowga.gov
(770)867-0664

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Albert V. Shelby, III
GDOT Office of Program Delivery Attn:
Marshall R. Troup, Jr.
mtroup@dot.ga.gov
600 West Peachtree Street, 25th Floor
Atlanta, GA 30308
(404)634-1529

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.