

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. Nos. 422380/421440, Atkinson-Clinch Counties **OFFICE** Preconstruction
EDS-441(41) / BFR-023-1(12)
US 441 Widening and Reconstruction **DATE** November 21, 2005

FROM *Margaret B. Pirkle*
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keeper
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Joe Palladi (file copy)
Babs Abubakari
Joe Sheffield
BOARD MEMBER

Environmental Assessment and Reassessment Approval Date: The NEPA document was approved July 21, 2004

Public Involvement: The Public Hearing was held on January 22, 2004 concurrently at the Homerville Municipal Complex in Homerville, GA and the Pearson Senior Center in Pearson, GA. These meetings were attended by 61 people. The comments from the Homerville meeting are summarized as follows:

Responses – 4 Oppose – 0 Support – 4 Uncommitted/Conditional – 0

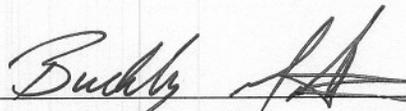
The comments for the Pearson meeting are summarized as follows:

Responses – 6 Oppose – 1 Support – 2 Uncommitted/Conditional – 3

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

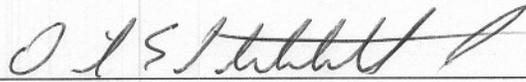
Recommendations: The Office of Consultant Design recommends that the location and design for projects EDS-441(41) & BFR-023-1(12) be approved and that the attached "Notice" be approved for advertising.

RECOMMEND:



Buddy Gratton, P.E. --- Director of Preconstruction

APPROVE:



Paul V. Mullins, P.E. --- Chief Engineer

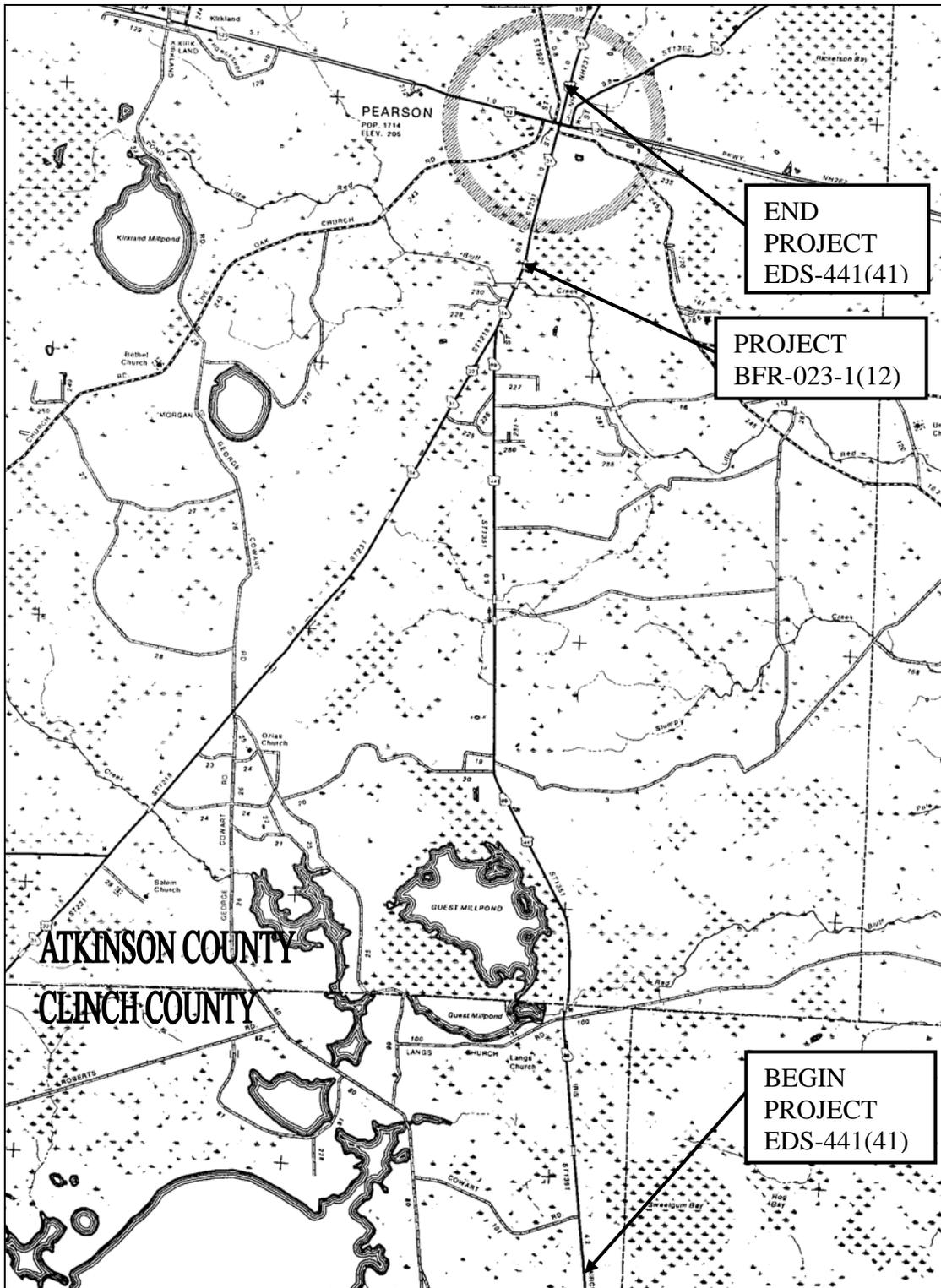
David Grudskill

11/13/05

Date of Approval

Attachments:

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



Location Map

Project: EDS-441(41), Clinch & Atkinson Counties **PI No.:** 422380

Description: US 441/SR 89/SR31 from 0.95 miles south of CR 101/Cowart Road to 0.46 miles north of US 82/SR 520 in Pearson

Project: BFR-023-1(12), Atkinson Counties **PI No.:** 421440

Description: US 441 from over Little Red Bluff Creek Overflow, 1.5 miles south of Pearson

Estimate Report for file "422380 EDS-441(41)_2005--08-31 "

Section Roadway Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	375000.00	TRAFFIC CONTROL -	375000.00
153-1300	1	EA	52544.76	FIELD ENGINEERS OFFICE TP 3	52544.76
201-1500	1	LS	2500000.00	CLEARING & GRUBBING -	2500000.00
205-0001	650000	CY	3.22	UNCLASS EXCAV	2093000.00
310-5120	276700	SY	13.75	GR AGGR BASE CRS, 12 INCH, INCL MATL	3804625.00
402-1811	13030	TN	43.52	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL	567065.60
402-3112	31975	TN	45.62	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1458699.50
402-3121	63950	TN	37.85	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2420507.50
402-3130	40735	TN	38.31	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	1560557.85
413-1000	52050	GL	0.99	BITUM TACK COAT	51529.50
433-1000	2070	SY	147.07	REINF CONC APPROACH SLAB	304434.90
441-0014	12600	SY	24.04	DRIVEWAY CONCRETE, 4 IN TK	302904.00
441-0018	660	SY	32.40	DRIVEWAY CONCRETE, 8 IN TK	21384.00
441-0104	13500	SY	24.48	CONC SIDEWALK, 4 IN	330480.00
441-6022	24400	LF	10.48	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	255712.00
441-7011	36	EA	640.61	CURB CUT WHEELCHAIR RAMP, TYPE A	23061.96
500-3107	50	CY	395.74	CLASS A CONCRETE, RETAINING WALL	19787.00
500-3200	50	CY	296.18	CLASS B CONCRETE	14809.00
500-3800	50	CY	635.27	CLASS A CONCRETE, INCL REINF STEEL	31763.50
550-1180	10950	LF	29.21	STORM DRAIN PIPE, 18 IN, H 1-10	319849.50
550-1240	5500	LF	34.89	STORM DRAIN PIPE, 24 IN, H 1-10	191895.00
550-1300	1350	LF	44.56	STORM DRAIN PIPE, 30 IN, H 1-10	60156.00
550-1360	200	LF	52.64	STORM DRAIN PIPE, 36 IN, H 1-10	10528.00
550-3318	100	EA	645.66	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	64566.00
550-3324	56	EA	913.50	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	51156.00
550-3330	11	EA	1394.19	SAFETY END SECTION 30 IN, STORM DRAIN, 4:1 SLOPE	15336.09
550-3336	2	EA	2048.05	SAFETY END SECTION 36 IN, STORM DRAIN, 4:1 SLOPE	4096.10
550-4118	5	EA	251.64	FLARED END SECTION 18 IN, SIDE DRAIN	1258.20
610-0100	150	LF	2.20	REM BARBED WIRE FENCE	330.00
610-0209	150	LF	2.15	REM CHAIN LINK FENCE, 4 FT	322.50
610-9099	2	LS	2853.00	REM WINGWALLS & PARAPETS, STA -	5706.00
611-4890	150	LF	7.37	RESET FENCE -	1105.50
611-6700	150	LF	6.50	RESET BARBED WIRE FENCE, INCL POSTS	975.00
634-1200	520	EA	86.28	RIGHT OF WAY MARKERS	44865.60
641-1100	200	LF	30.15	GUARDRAIL, TP T	6030.00
641-1200	5900	LF	12.94	GUARDRAIL, TP W	76346.00
641-5001	8	EA	459.73	GUARDRAIL ANCHORAGE, TP 1	3677.84
641-5012	24	EA	1525.25	GUARDRAIL ANCHORAGE, TP 12	36606.00
650-1200	2	EA	12969.92	IMPACT ATTENUATOR UNIT, (COMPRESSION CRASH CUSHION) TYPE T -	25939.84
668-1100	115	EA	1731.47	CATCH BASIN, GP 1	199119.05
668-2100	15	EA	1976.68	DROP INLET, GP 1	29650.20
Section Sub Total:					\$17,337,380.49

Section Signing & Marking					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	1500	SF	13.34	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	20010.00
636-1031	400	SF	16.72	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	6688.00
636-2070	2070	LF	6.53	GALV STEEL POSTS, TP 7	13517.10
636-2080	1325	LF	8.60	GALV STEEL POSTS, TP 8	11395.00
636-2090	665	LF	6.30	GALV STEEL POSTS, TP 9	4189.50
652-5451	144000	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, WHITE	17280.00
652-5452	134200	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	17446.00

652-5701	450	LF	2.22	SOLID TRAF STRIPE, 24 IN, WHITE	999.00
652-6501	128000	GLF	0.08	SKIP TRAFFIC STRIPE, 5 IN, WHITE	10240.00
652-6502	1350	GLF	0.10	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	135.00
653-0120	190	EA	57.07	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	10843.30
653-0170	130	EA	75.66	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	9835.80
653-6004	31500	SY	2.46	THERMOPLASTIC TRAF STRIPING, WHITE	77490.00
653-6006	350	SY	2.57	THERMOPLASTIC TRAF STRIPING, YELLOW	899.50
654-1001	200	EA	3.39	RAISED PVMT MARKERS TP 1	678.00
654-1003	1800	EA	3.27	RAISED PVMT MARKERS TP 3	5886.00
657-1054	1350	LF	3.32	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	4482.00
657-2054	1	LM	16337.96	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	16337.96
657-6054	1350	LF	3.56	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	4806.00
Section Sub Total:					\$233,158.16

Section Erosion Control Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	144	AC	481.77	TEMPORARY GRASSING	69374.88
163-0240	4500	TN	202.85	MULCH	912825.00
163-0300	10	EA	1154.51	CONSTRUCTION EXIT	11545.10
163-0530	20000	LF	2.44	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	48800.00
163-0550	10	EA	195.98	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	1959.80
165-0010	78500	LF	0.92	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	72220.00
165-0030	15000	LF	1.20	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	18000.00
165-0040	95	EA	58.62	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	5568.90
165-0070	10000	LF	1.30	MAINTENANCE OF BALED STRAW EROSION CHECK	13000.00
165-0087	10	EA	166.79	MAINTENANCE OF SILT CONTROL GATE, TP 3	1667.90
165-0101	10	EA	379.28	MAINTENANCE OF CONSTRUCTION EXIT	3792.80
167-1000	4	EA	1868.74	WATER QUALITY MONITORING AND SAMPLING	7474.96
167-1500	22	MO	806.52	WATER QUALITY INSPECTIONS	17743.44
171-0010	200000	LF	1.83	TEMPORARY SILT FENCE, TYPE A	366000.00
171-0030	20000	LF	3.13	TEMPORARY SILT FENCE, TYPE C	62600.00
603-2012	3150	SY	27.90	STN DUMPED RIP RAP, TP 1, 12 IN	87885.00
603-7000	65	SY	3.91	PLASTIC FILTER FABRIC	254.15
700-6910	288	AC	775.82	PERMANENT GRASSING	223436.16
700-7000	850	TN	57.15	AGRICULTURAL LIME	48577.50
700-7010	700	GL	18.63	LIQUID LIME	13041.00
700-8000	320	TN	252.40	FERTILIZER MIXED GRADE	80768.00
700-8100	27500	LB	1.46	FERTILIZER NITROGEN CONTENT	40150.00
716-2000	205000	SY	1.14	EROSION CONTROL MATS, SLOPES	233700.00
Section Sub Total:					\$2,340,384.59

Section Bridge Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-1006	1	LS	310200.00	SUPERSTR CONCRETE, CL AA, BR NO - 4 Lt.	310200.00
500-1006	1	LS	248160.00	SUPERSTR CONCRETE, CL AA, BR NO - 1 Lt.	248160.00
500-1006	1	LS	48222.00	SUPERSTR CONCRETE, CL AA, BR NO - 1 Rt.	48222.00
500-1006	2	LS	310200.00	SUPERSTR CONCRETE, CL AA, BR NO - 3 Lt. & Rt.	620400.00
500-1006	1	LS	310200.00	SUPERSTR CONCRETE, CL AA, BR NO - 2 Rt.	310200.00
500-1006	1	LS	417926.00	SUPERSTR CONCRETE, CL AA, BR NO - 2 Lt.	417926.00
Section Sub Total:					\$1,955,108.00

Total Estimated Cost: \$21,866,031.24

Subtotal Construction Cost	\$21,866,031.24
E&C Rate 10.0 %	\$2,186,603.12
Inflation Rate 5.0 % @ 2.0 Years	\$2,465,395.02
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Total Construction Cost	\$26,518,029.39
Right Of Way	\$11,649,000.00
ReImb. Utilities	\$47,500.00
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Grand Total Project Cost	\$38,214,529.39

Estimate Report for file "421440 Atkinson"

Section Major Structures					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-1006	1	LS	310200.00	Bridge No. 1	310200.00
540-1101	1	LS	50000.00	REMOVAL OF EXISTING BR.	50000.00
Section Sub Total:					\$360,200.00

Total Estimated Cost: \$360,200.00

Subtotal Construction Cost \$360,200.00

E&C Rate 10.0 % \$36,020.00

Inflation Rate 5.0 % @ 2.0 Years \$40,612.55

Total Construction Cost \$436,832.55

Right Of Way \$0.00

ReImb. Utilities \$10,000.00

Grand Total Project Cost \$446,832.55

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: EDS-441(41) & BRF-023-1(12), CLINCH/ATKINSON COUNTY P. I. NO. 422380 & 421440

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above projects.

Date of Location and Design Approval: _____

Project EDS-441(41) in Clinch & Atkinson Counties is the widening and reconstruction of US 441 / SR 89 / SR 31 from 0.95 miles south of the intersection with CR 101 / Cowart Road, where it ties to project EDS-441(46), to 0.46 miles north of the intersection of US 441 and US 82 / SR 520 in Pearson, Georgia. The total length of the project is 11.35 miles. Project BRF-023-1(12) is proposed to replace the bridge over Little Red Bluff Creek Overflow, 1.5 miles south of Pearson. The projects are located entirely in the 7th Land District, Land Lot numbers 308, 291, 262, 245, and 216 in Clinch County, and Land Lot numbers 216, 199, 200, 169, 154, 123, 108, 109, 76, 77, 62, 31, and 17 in Atkinson County.

The existing two-lane facility is to be replaced with a four-lane roadway with a 44 foot depressed grassed median for the first 9.03 miles. For the next 0.96 miles, the median will reduce to 32 foot depressed grassed median. For the remaining 1.36 miles, it varies between a 20 foot raised median and a 14 foot flush median on new location to the west of downtown Pearson.

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

Mr. Jerry Hughes, Area 1 Engineer
1411 Madison Highway
Valdosta, GA 31601
(229) 333-5287
email: jerry.hughes@dot.state.ga.us

Mr. Keith Carver, Area 2 Engineer
1835 S. Peterson Avenue
Douglas, GA 31535
(912) 389-4201
email: keith.carver@dot.state.ga.us

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

Mr. Mohammed (Babs) Abubakari, P.E.
State Consultant Design and Program Delivery engineer
No. 2 Capitol Square, Room 433
Atlanta, GA 30334
(404) 657-9750
email: babs.abubakari@dot.state.ga.us

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

NOTICE OF LOCATION AND DESIGN APPROVAL

**PROJECT: EDS-441(41) & BRF-023-1(12), CLINCH/ATKINSON COUNTY
P. I. NO. 422380 & 421440**

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above projects.

Date of Location and Design Approval: NOVEMBER 21, 2005

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