

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No.422400, Clinch County **OFFICE** Preconstruction
EDS-441(48)
US 441/SR 89 Improvements **DATE** April 4, 2005

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

TO *MBP* SEE DISTRIBUTION

SUBJECT NOTICE OF LOCATION AND DESIGN APPROVAL

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:

David Mulling
Harvey Keepler
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Joe Palladi (file copy)
Babs Abubakari
Kent Sager
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE: EDS-441(48) Clinch County
P.I. No. 422400
SR 89/US 441 FM CR 8 Fargo to CR 40

OFFICE: Consultant Design

DATE: March 28, 2005

M. B. Abubakari (signature)

FROM: Mohammed (Babs) Abubakari, P.E., State Consultant Design Engineer

TO: Meg Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT: Request for Location and Design Approval

Description: EDS-441(48) in Clinch County is proposed to improve US 441 from a point approximately 2850 ft north of Williamsburg Road, where it ties to Project EDS-441(47), to the intersection with CR 40/Tower Road & CR 204/Antioch Church Road, for a total length of 17.9 miles. The proposed typical section will be 4-12 ft lane with a 32 ft depressed grassed median in areas where there is greater than 1/2 mile of impacted wetlands per mile of roadway, and 4-12 ft lane with a 44 ft depressed grassed median in other areas. The project begins by tying to Project EDS-441(47) where the roadway tapers from a 4-lane with a 20 ft raised median section to a 4-lane with a 32 ft depressed grassed median. The roadway begins to go on new location to the west at a point approximately 3000 ft south of the intersection with CR 23/Colon Road. The new alignment crosses Colon Road approximately 750 ft west of US 441 and then merges back in with existing US 441 approximately 3300 ft north of the existing intersection of US 441 and CR 23/Colon Road. Approximately 3800 ft south of the intersection of US 441 with CR 204/Antioch Church Road, the typical section would taper to a 44 ft median. This section would continue to the end of the project where it will tie to Project EDS-441(49). Widening of the existing roadway changes sides occasionally, throughout the project, in order to minimize the impacts to adjacent wetlands, historical resources and to minimize displacements.

| Estimated Cost: | Current | Approved |
|--------------------------|------------------|------------------|
| Construction (incl. E/C) | \$ 46,500,000.00 | \$ 43,400,000.00 |
| Right-of-Way | \$ 3,200,000.00 | \$ 3,200,000.00 |
| Utilities | \$ 7,500.00 | \$ 7,500.00 |

Concept Approval Date: The Project Concept Approval date was October 25, 2002

Concept Update: N/A

Environmental Assessment and Reassessment Approval Date: The NEPA document was approved December 1, 2004

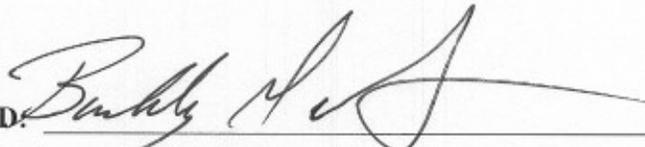
Public Involvement: The Public Hearing was held on March 11, 2004 at the Fargo Charter School in Fargo, GA and the Homerville Municipal Complex in Homerville, GA. A total of 55 people attended this meeting. Comments for the Fargo meeting are shown below:

Responses - 20 Oppose - 2 Support - 17 Uncommitted/Conditional - 1

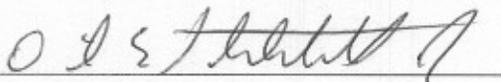
Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: The Office of Consultant Design recommends that the location and design for project EDS-441(48) 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 E. Studstill Jr.

4/1/05
Date of Approval

Attachments:

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

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: EDS-441(48) CLINCH COUNTY
P. I. NO. 422400

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: APRIL 4, 2005

Project EDS-441(48) in Clinch County consists to widening and reconstructing 17.9 miles of US 441/SR 89 corridor. The project begins at a point approximately 2,850 ft north of Williamsburg Road, adjacent to the northern boundary of the City of Fargo city limits, and proceeds north to CR 40 / Tower Rd and CR 204 / Antioch Church Rd. This project lies entirely within Clinch County. The project is located in Land Lots 270, 271, 249, 250, 195, 196, 197, 174, 123, 124, 99, 98, 50, 51, 23, 24, 94, 166, 237, 268, 309, 340, 381, and 412 of the 12 and 13th Land District of Clinch County.

The proposed roadway will consist of four lane roadway with a 32' depressed median in areas where there is greater than ½ mile of impacted wetlands per mile of roadway and four lane roadway with a 44' depressed median in other areas.

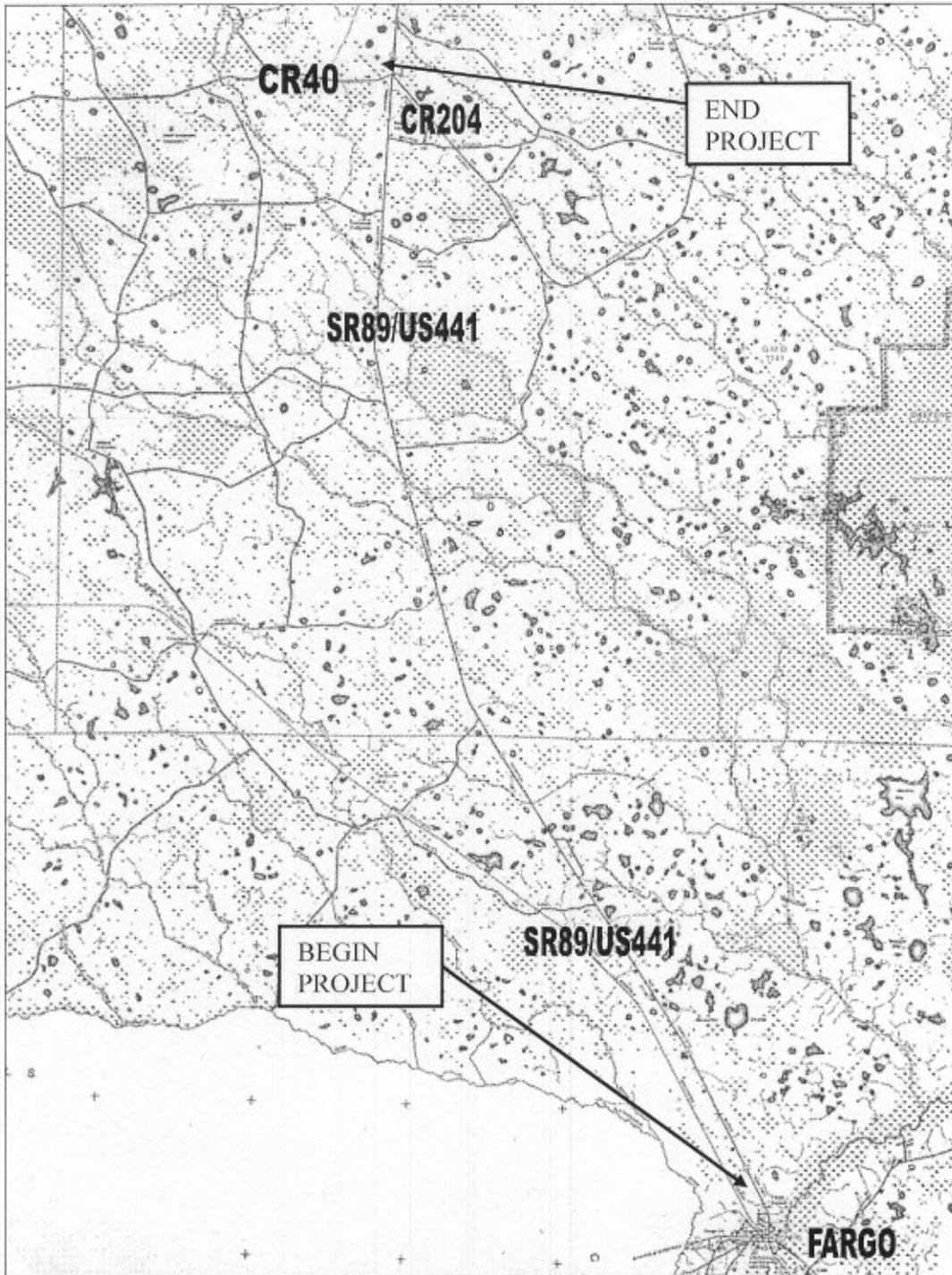
Drawings of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Mr. Jerry Hughes, Area 1 Engineer
1411 Madison Hwy
Valdosta, GA 31601
(229) 333-5287
email: jerry.hughes@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 Desing 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.



Location Map

Project: EDS-441(48) Clinch County PI No.: 422400

Description: US 441 from 2850' North of Williamsburg Rd. to CR 204/Antioch Church Rd.

Estimate Report for file "422400"

| Section BRIDGE #1 - CAMP BRANCH LT ITEMS | | | | | |
|--|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 5775.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 259875.0 |
| 999-2030 | 5775.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 259875.0 |
| Section Sub Total: | | | | | \$519,750.00 |

| Section BRIDGE #1 - CAMP BRANCH RT ITEMS | | | | | |
|--|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 5775.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 259875.0 |
| 999-2030 | 5775.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 259875.0 |
| Section Sub Total: | | | | | \$519,750.00 |

| Section BRIDGE #2 - JONES CREEK LT ITEMS | | | | | |
|--|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 4125.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 185625.0 |
| 999-2030 | 4125.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 185625.0 |
| Section Sub Total: | | | | | \$371,250.00 |

| Section BRIDGE #2 - JONES CREEK RT ITEMS | | | | | |
|--|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 4125.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 185625.0 |
| 999-2030 | 4125.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 185625.0 |
| Section Sub Total: | | | | | \$371,250.00 |

| Section BRIDGE #3 - TATUM CREEK OVERFLOW LT ITEMS | | | | | |
|---|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 3300.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 148500.0 |
| 999-2030 | 3300.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 148500.0 |
| Section Sub Total: | | | | | \$297,000.00 |

| Section BRIDGE #3 TATUM CREEK OVERFLOW RT ITEMS | | | | | |
|---|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 3300.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 148500.0 |
| 999-2030 | 3300.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 148500.0 |
| Section Sub Total: | | | | | \$297,000.00 |

| Section BRIDGE #4 - TATUM CREEK LT ITEMS | | | | | |
|--|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 8250.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 371250.0 |
| 999-2030 | 8250.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 371250.0 |
| Section Sub Total: | | | | | \$742,500.00 |

| Section BRIDGE #4 - TATUM CREEK RT ITEMS | | | | | |
|--|----------|-------|------------|----------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 999-2020 | 8250.00 | LS | 45.00 | SUBSTRUCTURE COMPLETE, BR NO - | 371250.0 |
| 999-2030 | 8250.00 | LS | 45.00 | SUPERSTRUCTURE COMPLETE, BR NO - | 371250.0 |
| Section Sub Total: | | | | | \$742,500.00 |

| Section Drainage | | | | | |
|------------------|-----------|-------|------------|---------------------------------|------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 207-0203 | 2000.00 | CY | 35.13 | FOUND BK FILL MATL, TP II | 70260.0 |
| 500-3101 | 3012.00 | CY | 378.24 | CLASS A CONCRETE | 1139258.88 |
| 511-1000 | 337820.00 | LB | 0.52 | BAR REINF STEEL | 175666.4 |
| 550-1180 | 4500.00 | LF | 25.82 | STORM DRAIN PIPE, 18 IN, H 1-10 | 116190.0 |

| | | | | | |
|---------------------------|---------|----|---------|--|-----------------------|
| 550-1360 | 440.00 | LF | 48.08 | STORM DRAIN PIPE, 36 IN, H 1-10 | 21155.2 |
| 550-2180 | 1000.00 | LF | 20.88 | SIDE DRAIN PIPE, 18 IN, H 1-10 | 20880.0 |
| 550-2240 | 500.00 | LF | 27.65 | SIDE DRAIN PIPE, 24 IN, H 1-10 | 13825.0 |
| 550-3324 | 15.00 | EA | 784.96 | SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE | 11774.40 |
| 550-3418 | 60.00 | EA | 404.28 | SAFETY END SECTION 18 IN, SIDE DRAIN, 4:1 SLOPE | 24256.8 |
| 550-4218 | 120.00 | EA | 382.65 | FLARED END SECTION 18 IN, STORM DRAIN | 45918.0 |
| 550-4224 | 15.00 | EA | 450.97 | FLARED END SECTION 24 IN, STORM DRAIN | 6764.55 |
| 550-4236 | 8.00 | EA | 687.23 | FLARED END SECTION 36 IN, STORM DRAIN | 5497.84 |
| 603-2180 | 2397.00 | SY | 28.17 | STN DUMPED RIP RAP, TP 3, 12 IN | 67523.49 |
| 668-2100 | 70.00 | EA | 1457.70 | DROP INLET, GP 1 | 102039.0 |
| Section Sub Total: | | | | | \$1,821,009.56 |

| Section EARTHWORK | | | | | |
|---------------------------|------------|-------|------------|-------------------------|-----------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 206-0002 | 1190349.00 | CY | 5.36 | BORROW EXCAV, INCL MATL | 6380270.64 |
| Section Sub Total: | | | | | \$6,380,270.64 |

| Section Environmental | | | | | |
|------------------------------|----------|-------|------------|------------------------------|-----------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 214-0100 | 7.50 | LS | 189052.05 | MITIGATION SITE CONSTRUCTION | 1417890.37 |
| Section Sub Total: | | | | | \$1,417,890.38 |

| Section EROSION CONTROL | | | | | |
|--------------------------------|-----------|-------|------------|---|-----------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 163-0232 | 200.00 | AC | 433.14 | TEMPORARY GRASSING | 86628.0 |
| 163-0240 | 6000.00 | TN | 219.67 | MULCH | 1318020.0 |
| 163-0300 | 65.00 | EA | 1101.76 | CONSTRUCTION EXIT | 71614.4 |
| 163-0503 | 125.00 | EA | 354.95 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3 | 44368.75 |
| 163-0504 | 50.00 | EA | 361.88 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 4 | 18094.0 |
| 163-0520 | 10000.00 | LF | 10.43 | CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN | 104300.0 |
| 163-0521 | 500.00 | EA | 196.13 | CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS | 98065.0 |
| 163-0530 | 35000.00 | LF | 1.86 | CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK | 65100.0 |
| 163-0531 | 1.00 | EA | 5792.37 | CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - | 5792.37 |
| 165-0010 | 100000.00 | LF | 1.04 | MAINTENANCE OF TEMPORARY SILT FENCE, TP A | 104000.0 |
| 165-0030 | 16000.00 | LF | 1.30 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | 20800.0 |
| 165-0040 | 500.00 | EA | 70.05 | MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS | 35025.0 |
| 165-0060 | 1.00 | EA | 891.58 | MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - | 891.58 |
| 165-0070 | 18000.00 | LF | 1.18 | MAINTENANCE OF BALED STRAW EROSION CHECK | 21240.0 |
| 165-0087 | 120.00 | EA | 116.23 | MAINTENANCE OF SILT CONTROL GATE, TP 3 | 13947.6 |
| 165-0088 | 50.00 | EA | 166.68 | MAINTENANCE OF SILT CONTROL GATE, TP 4 | 8334.0 |
| 165-0101 | 65.00 | EA | 347.15 | MAINTENANCE OF CONSTRUCTION EXIT | 22564.75 |
| 171-0010 | 20000.00 | LF | 1.83 | TEMPORARY SILT FENCE, TYPE A | 366000.0 |
| 171-0030 | 32000.00 | LF | 3.03 | TEMPORARY SILT FENCE, TYPE C | 96960.0 |
| 441-0204 | 5000.00 | SY | 24.53 | PLAIN CONC DITCH PAVING, 4 IN | 122650.0 |
| 603-1012 | 1000.00 | SY | 25.14 | STN PLAIN RIP RAP, 12 IN | 25140.0 |
| 603-7000 | 1000.00 | SY | 3.05 | PLASTIC FILTER FABRIC | 3050.0 |
| 700-6910 | 500.00 | AC | 751.50 | PERMANENT GRASSING | 375750.0 |
| 700-7000 | 500.00 | TN | 51.20 | AGRICULTURAL LIME | 25600.0 |
| 700-7010 | 1000.00 | GL | 18.81 | LIQUID LIME | 18810.0 |
| 700-8000 | 650.00 | TN | 235.50 | FERTILIZER MIXED GRADE | 153075.0 |
| 700-8100 | 21000.00 | LB | 1.41 | FERTILIZER NITROGEN CONTENT | 29610.0 |
| 710-9000 | 22000.00 | SY | 5.19 | PERMANENT SOIL REINFORCING MAT | 114180.00 |

| | |
|-----------------------------------|--|
| | Total Estimated Cost: \$32,872,573.82 |
| Subtotal Construction Cost | \$32,872,573.82 |
| E&C Rate 10.0 % | \$3,287,257.38 |
| Inflation Rate 5.0 % @ 5.0 Years | \$9,990,294.66 |
| | <hr/> |
| Total Construction Cost | \$46,150,125.86 |
| Right Of Way | \$3,200,000.00 |
| ReImb. Utilities | \$7,500.00 |
| | <hr/> |
| Grand Total Project Cost | \$49,357,625.86 |