

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** EDS-545(43) Warren/McDuffie Counties **OFFICE** Preconstruction  
P. I. No.222590 **DATE** May 29, 1997

**FROM** *CW Hutto*  
C. Wayne Hutto, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT** PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

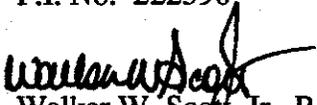
Attachment

**DISTRIBUTION:**

Walker Scott  
Bobby Mustin  
David Studstill (ATTN: Harvey Keeper)  
Jerry Hobbs  
Herman Griffin  
Marta Rosen (ATTN: Michael Henry)  
Marion Waters  
Toni Dunagan  
Paul Liles  
James Kennerly  
Charles Norris

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA****INTERDEPARTMENT CORRESPONDENCE**

**FILE** EDS-545(43) Warren-McDuffie Counties **OFFICE** Preconstruction  
P.I. No. 222590  
**DATE** May 13, 1997

**FROM**   
Walker W. Scott, Jr., P.E., Director of Preconstruction

**TO** Wayne Shackelford, Commissioner

**SUBJECT PROJECT CONCEPT REPORT**

This project is the widening, reconstruction, and relocation of SR 17 from MP 1.35 in Warren County to the southern terminus of the proposed Thompson Bypass, for a total of 16.6km. State Route 17 is a primary north-south corridor in eastern Georgia and is part of the Governor's Road Improvement Program (GRIP). As part of this program, the existing two lane SR 17 will be multilaned to stimulate growth via an improved transportation network. This project is on a proposed bicycle route as identified in the Georgia Statewide Bicycle and Pedestrian Plan. The existing SR 17 consists of two, 3.6m lanes with variable 1.2m to 3.0 rural shoulders on 30.5m of existing right-of-way. The existing major structures are: (1) Mill Creek - double 3.0m x 3.0m concrete box culvert with a sufficiency rating of 86.9; (2) Little Brier Creek - 65.8m x 12.1m bridge with a sufficiency rating of 93.5; and (3) Big Brier Creek - newly constructed 70.1m x 12.1m bridge. The base year traffic (2001) varies from 3,300 VPD to 6,000 VPD and the design year traffic (2021) varies from 5,200 VPD to 9,600 VPD. The posted speed is 90km/h and the design speed is 105km/h.

The proposed construction will provide two, 3.6m lanes in each direction separated by a 13.6m depressed grassed median for the entire project length. This project will include 2.4m bike lanes on both sides for the entire project length. Due to the extensive amount of vertical reconstruction (95%) it is proposed that the off side existing right-of-way be held and a full 76.0m be acquired on the side proposed to be widened. In areas where there are newly constructed bridges, the alignment will shift to hold the existing pavement to utilize these bridges. The existing culvert at Mill Branch will be lengthened as needed and 11.4m parallel bridges will be constructed to accommodate the new lanes over Little Brier Creek and Big Brier Creek.

The southern and northern termini of this project tie to projects EDS-545(51), Jefferson-Warren Counties and EDS-545(3), McDuffie County, respectively, with similar typical sections. No design exceptions are required to implement this project. Traffic will be maintained utilizing stage construction.

Wayne Shackelford

Page 2

EDS-545(43) Warren-McDuffie

May 13, 1997

Environmental concerns include requiring a COE 404 permit; approximately 3.5 hectares of hydric soils impacted; an Environmental Assessment will be prepared; a public hearing will be held; time saving procedures are not appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$22,331,000	\$15,693,000	2000	LR
Right-of-Way	\$ 3,951,000	\$ 2,116,000		
Utilities*	\$ 3,641,000	-----		

This project is part of the GRIP. I recommend this project concept be approved.

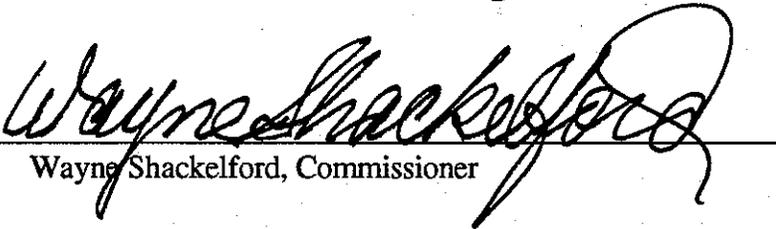
WWS:JDQ/cj

Attachment

CONCUR

  
\_\_\_\_\_  
Frank L. Danchetz, P.E., Chief Engineer

APPROVE

  
\_\_\_\_\_  
Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENTAL CORRESPONDENCE

RECEIVED

MAR 11 1997

PRECONSTRUCTION

**FILE:** EDS-545(43) Warren-McDuffie  
P.I. Number 222590

**OFFICE:** Atlanta, Georgia

**DATE:** March 10, 1997

**FROM:** Bob Mustin, Project Review Engineer *BTW*

**TO:** C. Wayne Hutto, Assistant Director of Preconstruction

**SUBJECT:** PROJECT CONCEPT REPORT

We have reviewed the concept report submitted March 5, 1997 by the letter from David Studstill dated March 5, 1997 and have no comments.

The estimated costs for the project are as follows:

Construction	\$ 18,455,000
Inflation	\$ 1,846,000
E & C	\$ 2,030,000
Right of Way	\$ 3,951,000
Reimbursable Utilities	\$ 3,641,000

DTM

c: David Studstill

**DEPARTMENT OF TRANSPORTATION**  
**STATE OF GEORGIA**  
**INTERDEPARTMENTAL CORRESPONDENCE**

RECEIVED

MAR 06 1997

PRECONSTRUCTION

**FILE** EDS-545(43)  
Warren/McDuffie Counties

**OFFICE** Environment/Location

P.I. No. 222590

**DATE** March 5, 1997

**FROM** *DES*  
David E. Studstill, P.E., State Environment/Location Engineer

**TO** C. Wayne Hutto, Assistant Director of Preconstruction

**SUBJECT** Concept Report - **S.R. 17 Improvements**

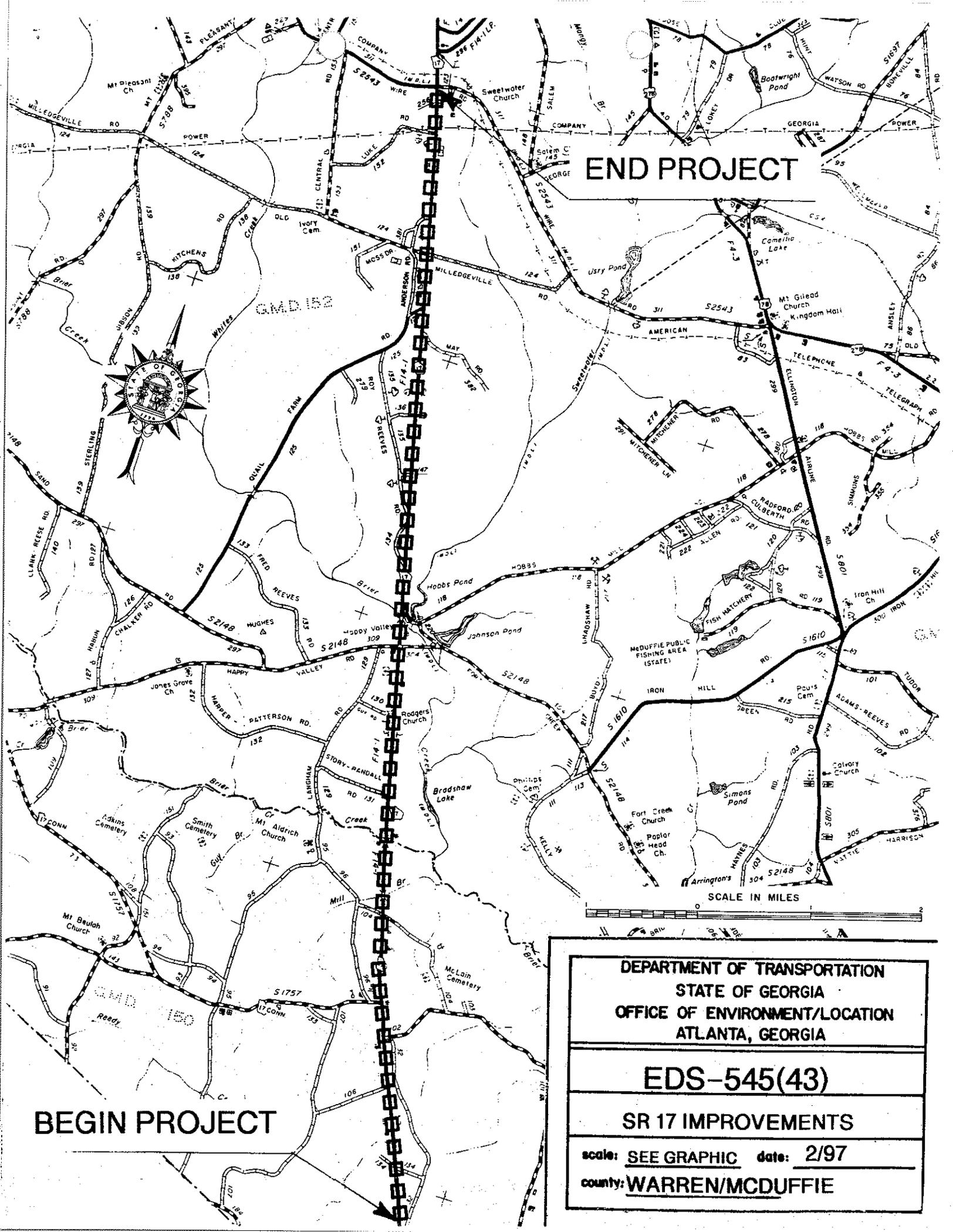
In accordance with the Plan Development Process, the concept report for the above project is attached for your review and processing.

DES/ADS

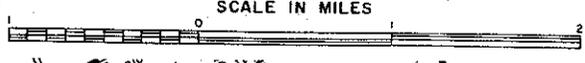
Attachment

Distribution: Bobby Mustin  
James Kennerly  
Marion Waters  
Paul Liles  
Charles Norris/Tennille District





**END PROJECT**



**BEGIN PROJECT**

<p>DEPARTMENT OF TRANSPORTATION          STATE OF GEORGIA          OFFICE OF ENVIRONMENT/LOCATION          ATLANTA, GEORGIA</p>	
<p><b>EDS-545(43)</b></p>	
<p><b>SR 17 IMPROVEMENTS</b></p>	
<p>scale: <u>SEE GRAPHIC</u></p>	<p>date: <u>2/97</u></p>
<p>county: <u>WARREN/MCDUFFIE</u></p>	

## PROJECT CONCEPT REPORT

**PROJECT NUMBER:** EDS-545(43)Warren/McDuffie

### PROJECT LOCATION AND DESCRIPTION

PROJECT EDS-545(43) IN WARREN AND MCDUFFIE COUNTIES IS PROPOSED TO IMPROVE S.R. 17 FROM M.P. 1.35 IN WARREN COUNTY TO C.R. 311/WIRE ROAD JUST SOUTH OF THOMSON. IMPROVEMENTS WOULD CONSIST OF ADDING TWO LANES PARALLEL TO THE EXISTING TWO LANES WITH A 13.6 m GRASS MEDIAN. AT THE BEGINNING, WIDENING WOULD CONTINUE FROM PROJECT EDS-545(51) ALONG THE WEST SIDE. WEST SIDE WIDENING WOULD CONTINUE TO A POINT APPROXIMATELY 0.14 km NORTH OF C.R. 102/E. HUFF'S BRIDGE ROAD. AT THAT POINT, THE WIDENING WOULD SHIFT TO THE EAST. WIDENING WOULD CONTINUE ALONG THE EAST SIDE TO AVOID A CHURCH, REDUCE RESIDENTIAL DISPLACEMENTS, AND AVOID LONGITUDINAL ENCROACHMENT OF A CREEK LOCATED ON THE WEST. EAST SIDE WIDENING WOULD CONTINUE TO A POINT APPROXIMATELY 0.09 km NORTH OF C.R. 130/GUY ROAD. FROM THAT POINT, THE WIDENING WOULD SHIFT TO THE WEST OF THE EXISTING ROADWAY TO REDUCE THE IMPACT ON A MAJOR GAS LINE. WIDENING REMAINS ON THE WEST UNTIL A POINT APPROXIMATELY 0.31 km SOUTH OF C.R. 136/GROVES ROAD WHERE IT WOULD SHIFT BACK TO THE EAST TO REDUCE RESIDENTIAL DISPLACEMENTS. EAST SIDE WIDENING WOULD CONTINUE TO THE END OF THE PROJECT AT C.R. 311/WIRE ROAD. THE TOTAL LENGTH OF THE PROJECT IS 16.6 km.

### TRAFFIC

CURRENT		PROJECTED	
YEAR	AADT	YEAR	AADT
2001	3300 - 6000	2021	5200 - 9600

PDP CLASSIFICATION			FUNCTIONAL CLASSIFICATION
MAJOR / CONSTRUCTION ON EXISTING LOCATION			RURAL ARTERIAL
NON-CA ( )	CA ( )	EXEMPT ( )	N/A (X)

### NEED AND PURPOSE

S.R. 17 IS A PRIMARY NORTH-SOUTH CORRIDOR IN EASTERN GEORGIA. THE PROPOSED PROJECT EDS-545(43) INVOLVES THE WIDENING AND RECONSTRUCTION OF S.R. 17 FROM M.P. 1.35 IN WARREN COUNTY TO C.R. 311 IN MCDUFFIE COUNTY. THE PROJECT WILL INCREASE THE CAPACITY AND LEVEL OF SERVICE ON S.R. 17 BY WIDENING IT FROM TWO LANES TO FOUR LANES WITH A 13.6 m DIVIDED MEDIAN. THE ENTIRE LENGTH OF THE S.R. 17 IS PART OF THE GOVERNOR'S ROAD IMPROVEMENT PROGRAM (GRIP). THE PURPOSE OF THE GRIP SYSTEM OF ROADWAYS IS TO PROVIDE MULTI-LANE ACCESS TO AREAS OF THE STATE THAT ARE NOT SERVED BY THE INTERSTATE SYSTEM. THE GOVERNOR'S ROAD IMPROVEMENT PROGRAM (GRIP) AS ENACTED BY THE GEORGIA LEGISLATURE IN THE 1980'S IS AN INTEGRATED SYSTEM OF DEVELOPMENTAL HIGHWAYS DESIGNED TO STIMULATE GROWTH IN THE STATE. THE SYSTEM CONSISTS OF NINETEEN MAJOR INTER-CITY CORRIDORS THAT EFFECTIVELY LINK RURAL GEORGIA WITH A MULTI-LANE PRIMARY NETWORK AND THE ALREADY COMPLETED INTERSTATE SYSTEM. THE SYSTEM WILL INTERCONNECT PRINCIPAL URBAN CENTERS AND GEOGRAPHIC REGIONS AND ESTABLISH ENERGY EFFICIENT LINKS BETWEEN RESOURCES, INDUSTRIES, AND MARKETS. THE GRIP HIGHWAYS WILL ENCOURAGE A POSITIVE AND STABLE BASE FOR FUTURE ECONOMIC GROWTH. IN ADDITION, THE SYSTEM WILL PROVIDE A NEEDED STIMULUS IN AREAS OF GEORGIA WHERE POPULATIONS AND ECONOMIC GROWTH HAVE HISTORICALLY LAGGED.

THE S.R. 17 CORRIDOR IS ONE OF THE G.R.I.P. CORRIDORS IDENTIFIED AND APPROVED FOR IMPLEMENTATION BY THE GOVERNOR AND THE STATE LEGISLATURE. WIDENING S.R. 17 WILL ASSIST IN THE FOUR-LANING OF THIS CORRIDOR.

**EXISTING ROADWAY**

<b>TYPICAL SECTION:</b>	2 - 3.6 m LANES WITH VARIABLE 1.2 m TO 3 m SHOULDERS	<b>R/W WIDTH</b> 30.5m
<b>POSTED SPEED</b>	<b>MINIMUM RADIUS OF CURVE</b>	<b>MAX GRADE</b>
90 km/h	1746.40 m	6.0%

**MAJOR STRUCTURES**

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH	PRIORITY RATING	SUFF. RATING
1. MILL BRANCH: DBL 3 m X 3 m CULVERT	10.3 m	N/A	N/A	86.9
2. LITTLE BRIER CREEK BRIDGE	65.8 m	12.1 m	N/A	93.5
3. BIG BRIER CREEK BRIDGE (NEW BRIDGE)	70.1 m	12.1m	N/A	N/A

**PROPOSED ROADWAY**

<b>TYPICAL SECTION:</b>	4-3.6 m LANES W/13.6 m DEPRESSED-GRASSED MEDIAN RURAL			
<b>DESIGN SPEED</b>	<b>MINIMUM RADIUS OF CURVE</b>		<b>MAX GRADE</b>	
105 km/h	<b>ALLOWABLE</b>	450 m RADIUS	<b>ALLOWABLE</b>	4.0%
	<b>PROPOSED</b>	3495 m RADIUS	<b>PROPOSED</b>	4.0%

**MAJOR STRUCTURES**

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH
1. MILL BRANCH: DBL 3 m X 3 m CULVERT: (EXTEND 31.7 m)	42.0 m	N/A
2. LITTLE BRIER CREEK BRIDGE: USE EXISTING BRIDGE AND ADD PARALLEL STRUCTURE.	65.8 m	<del>11.6 m</del> 11.4m
3. BIG BRIER CREEK BRIDGE: USE EXISTING BRIDGE AND ADD PARALLEL STRUCTURE.	70.1 m	<del>11.6 m</del> 11.4m

**PROPOSED RIGHT-OF-WAY**

RIGHT-OF-WAY WIDTH	PARCELS IMPACTED	DISPLACEMENTS		
76 m	APPROX. 93	RES.: 14	BUS.: 2	M.H.: 9

**TYPE OF ACCESS CONTROL: BY DRIVEWAY PERMIT ALONG EXISTING ROADWAY.**

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**COORDINATION**

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**CONCEPT TEAM MEETING DATE:** AUGUST 29, 1996

**PERMITS REQUIRED:** C.O.E. 404 (APPROX. 3.5 ha OF HYDRIC SOILS AFFECTED).

**LEVEL OF PUBLIC INVOLVEMENT:** A PUBLIC HEARING WILL BE HELD.

**TIME SAVING PROCEDURES APPROPRIATE:** NO.

**OTHER PROJECTS IN THE AREA:** EDS-545(51)(49) JEFFERSON/WARREN; EDS-545(3) MCDUFFIE.

**LOCAL GOVERNMENT COMMITMENTS:** UTILITIES ADJUSTMENT TO BE REQUESTED FROM COUNTY.

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**MISCELLANEOUS**

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**TRAFFIC CONTROL DURING CONSTRUCTION:** TRAFFIC TO BE MAINTAINED ON EXISTING ROADS.

**LEVEL OF ENVIRONMENTAL ANALYSIS:** ENVIRONMENTAL ASSESSMENT .

**UNDERGROUND STORAGE TANKS:** INVESTIGATION REQUESTED 8/29/96.

**HAZARDOUS WASTE SITES:** INVESTIGATION REQUESTED 8/29/96.

**DESIGN VARIATIONS REQUESTED:**

	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	( )	( X )	( )
SUBST ROADWAY WIDTH	( )	( X )	( )
SUBST SHOULDER WIDTH	( )	( X )	( )
SUBST VERTICAL GRADES	( )	( X )	( )
SUBST CROSS SLOPES	( )	( X )	( )
SUBST STOPPING SIGHT DIST	( )	( X )	( )
SUBST SUPERELEV RATES	( )	( X )	( )
SUBST HORIZONTAL CLEARANCE	( )	( X )	( )
SUBST SPEED DESIGN	( )	( X )	( )
SUBST VERTICAL CLEARANCE	( )	( X )	( )
SUBST BRIDGE WIDTH	( )	( X )	( )
SUBST BR STRUCT CAPACITY	( )	( X )	( )

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**ALTERNATIVES CONSIDERED**

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1. NO BUILD

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**ESTIMATED COST**

<b>CONSTRUCTION:</b>	\$ 18,455,000	<b>RIGHT-OF-WAY:</b>	\$ 3,951,000
<b>E &amp; C ( 10%):</b>	\$ 1,846,000	<b>ACQUIRED BY:</b>	D.O.T.
<b>INFLATION:</b>	<u>\$ 2,081,000</u>	<b>UTILITIES:</b>	\$ 3,641,000
<b>( 2 yrs at 5% per yr):</b>		<b>ADJUSTED BY:</b>	LGPA TO BE REQUESTED FROM THE COUNTY
<b>TOTAL CONST COST:</b>	\$ 29,974,000		

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**COMMENTS**

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1. APPROXIMATELY 95% OF THE EXISTING ROADWAY WOULD REQUIRE VERTICAL RECONSTRUCTION TO MEET 105 km/h.
2. DUE TO THE EXTENSIVE AMOUNT OF VERTICAL RECONSTRUCTION, IT IS PROPOSED THAT THE OFF SIDE EXISTING RIGHT-OF-WAY BE HELD AND A FULL 76 m BE ACQUIRED ON THE SIDE PROPOSED TO BE WIDENED. IN AREAS WHERE THERE ARE NEWLY CONSTRUCTED BRIDGES, IT IS PROPOSED TO SHIFT THE ALIGNMENT TO HOLD THE EXISTING PAVEMENT TO UTILIZE THESE BRIDGES.
3. THE 404-b(1) REVIEW PROCESS HAS NOT BEEN COMPLETED. THIS ALIGNMENT COULD SHIFT. THE P.A.R. MEETING IS SCHEDULED FOR JUNE 1998.
4. IF THE EAST SIDE OF S.R. 17 IN WARREN COUNTY IS NOT DISTURBED, THE COST FOR KAOLIN SLURRY LINES CAN BE ELIMINATED AND THE COST FOR THE WRENS TO THOMSON GAS LINE IN WARREN COUNTY CAN BE REDUCED BY 90%.
5. IF THE EAST SIDE OF S.R. 17 IN MCDUFFIE COUNTY IS NOT DISTURBED, THE COST FOR THE WRENS TO THOMSON GAS LINE IN MCDUFFIE CAN BE REDUCED BY 90%.
6. THE ENVIRONMENTAL DOCUMENT WILL INCLUDE EDS-(49)(43)(51) & BRN-014-1(54) JEFFERSON/WARREN/MCDUFFIE COUNTIES.

**ATTACHMENTS:** COST ESTIMATE, TYPICAL SECTIONS, TEAM MEETING MINUTES

**PREPARED BY:** DALTON STEVENS LE-1

PRELIMINARY COST ESTIMATE

DATE February 7, 1997  
PROJECT NAME S.R. 17 IMPROVEMENTS  
PROJECT NO. EDS-545(43)  
P.I. NO. 222590

PROJECT DESCRIPTION: S.R. 17 IMPROVEMENTS FROM MP. 1.35 IN WARREN COUNTY TO C.R. 311/WIRE ROAD IN MCDUFFIE COUNTY.

PROJECT LENGTH: 10.29 MILES

TYPICAL SECTION: 4 LANES WITH 44' DIVIDED MEDIAN RURAL (48' PAV'T)

EXISTING ROADWAY (IF APPLICABLE) 2 - LANE RURAL

TRAFFIC: EXISTING 3800-6000 ADT IN 2001 DESIGN 6000-9600 ADT IN 2021

FEASIBILITY STUDY     PRE-PROGRAMMING PROCESS     PROGRAMMING PROCESS

PROJECT COSTS

A. RIGHT OF WAY

1. PROPERTY (LAND AND EASEMENTS)	\$	525,000
2. DISPLACEMENTS	\$	1,655,000
3. OTHER COSTS	\$	1,771,000
	SUBTOTAL	\$ 3,951,000

B. REIMBURSABLE UTILITIES

1. RAILROAD	\$	0
2. TRANSMISSION LINES	\$	0
3. SERVICES	\$	3,641,000
	SUBTOTAL	\$ 3,641,000

**C. MAJOR STRUCTURES**

<b>1. WALLS</b>	\$	<u>0</u>
<hr/>		
<b>2. BRIDGE STREAM CROSSINGS</b>	\$	<u>803,000</u>
ADD NEW PARALLEL STRUCTURES AT LITTLE & BIG BRIER CR.		
<hr/>		
<b>3. BRIDGE OVER/UNDERPASS</b>	\$	<u>0</u>
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<b>4. BOX CULVERTS</b>	\$	<u>148,000</u>
EXTEND CULVERT AT MILL BRANCH CREEK		
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<b>SUBTOTAL</b>	\$	<u><u>951,000</u></u>

**D. GRADING AND DRAINAGE**

<b>1. EARTHWORK</b>	\$	<u>3,236,000</u>
SOIL - 1,464,000 CY @ \$2.00    ROCK - 77,060 CY @ \$4.00		
<hr/>		
<b>2. DRAINAGE</b>		
<b>a. Cross Drain Pipes (Excl. Box Culverts)</b>	\$	<u>845,000</u>
THIS ITEM IS INCLUDED IN LONGITUDINAL SYSTEM		
<hr/>		
<b>b. Curb and Gutter</b>	\$	<u>0</u>
<hr/>		
<b>c. Longitudinal System (Incl. Catch Basins)</b>	\$	<u>0</u>
<hr/>		
<b>SUBTOTAL</b>	\$	<u><u>4,081,000</u></u>

**E. BASE AND PAVING**

<b>1. AGGREGATE BASE</b>	\$	<u>2,910,000</u>
12.0" - 234,711 T @ \$12.40		
<hr/>		
<b>2. ASPHALT PAVING</b>	\$	<u>4,935,000</u>
1.5 IN."E"-31,240T;2.00 IN."B" 41,654T;ACB-83,308T;TACK 35,058G		
<hr/>		
<b>3. CONCRETE PAVING</b>	\$	<u>0</u>
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<b>4. OTHER</b>	\$	<u>785,000</u>
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<b>SUBTOTAL</b>	\$	<u><u>8,630,000</u></u>

**F. LUMP ITEMS**

<b>1. TRAFFIC CONTROL</b>	\$	<u>90,000</u>
<hr/>		
<b>2. CLEARING AND GRUBBING</b>	\$	<u>1,466,000</u>
312 ACRES @ \$ 4,700		
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<b>3. LANDSCAPING</b>	\$	<u>525,000</u>
10.29 MILES @ \$ 51,000		
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<b>4. EROSION CONTROL</b>	\$	<u>494,000</u>
10.29 MILES @ \$ 48,000		
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<b>5. DETOURS (INCL. TEMP. BRIDGES)</b>	\$	<u>0</u>
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	<b>SUBTOTAL</b>	\$ <u><u>2,575,000</u></u>

**G. MISCELLANEOUS**

<b>1. SIGNING/STRIPING</b>	\$	<u>381,000</u>
10.29 MILES @ \$ 37,000		
<hr/>		
<b>2. GUARDRAIL</b>	\$	<u>179,000</u>
10,990 LF @ \$11.46 + 40 Anchors @ \$1,326.82		
<hr/>		
<b>3. OTHER</b>	\$	<u>1,658,000</u>
10.29 MILES @ \$ 161,100		
<hr/>		
	<b>SUBTOTAL</b>	\$ <u><u>2,218,000</u></u>

<b>H. SPECIAL FEATURES</b>	\$	<u><u>0</u></u>
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**ESTIMATE SUMMARY**

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<b>A. RIGHT OF WAY</b>	<b>\$ 3,951,000</b>
<b>B. REIMBURSABLE UTILITIES</b>	<b>\$ 3,641,000</b>

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**CONSTRUCTION COST SUMMARY**

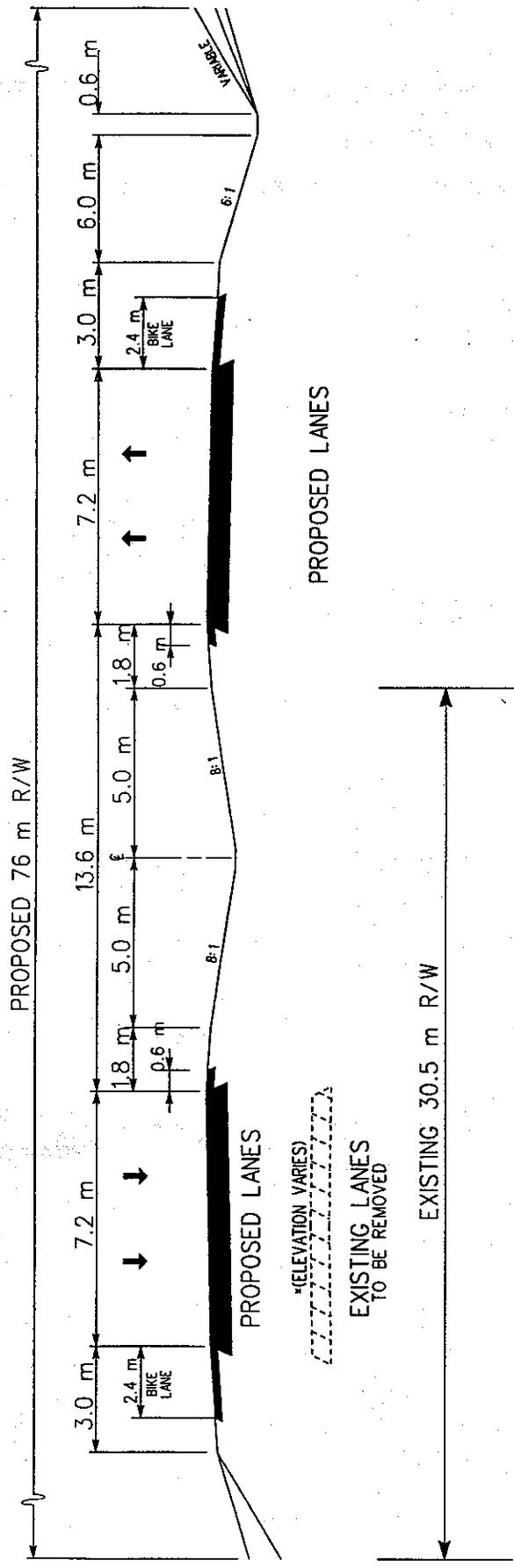
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<b>C. MAJOR STRUCTURES</b>	<b>\$ 951,000</b>
<b>D. GRADING AND DRAINAGE</b>	<b>\$ 4,081,000</b>
<b>E. BASE AND PAVING</b>	<b>\$ 8,630,000</b>
<b>F. LUMP ITEMS</b>	<b>\$ 2,575,000</b>
<b>G. MISCELLANEOUS</b>	<b>\$ 2,218,000</b>
<b>H. SPECIAL FEATURES</b>	<b>\$ 0</b>

<b>SUBTOTAL CONSTRUCTION COST</b>	<b>\$ 18,455,000</b>
<b>E. &amp; C. (10%)</b>	<b>\$ 1,846,000</b>
<b>INFLATION (2 YRS. @ 5% PER YEAR)</b>	<b>\$ 2,081,000</b>
<b>TOTAL CONSTRUCTION COST</b>	<b>\$ 22,382,000</b>

**GRAND TOTAL PROJECT COST** **\$ 29,974,000**

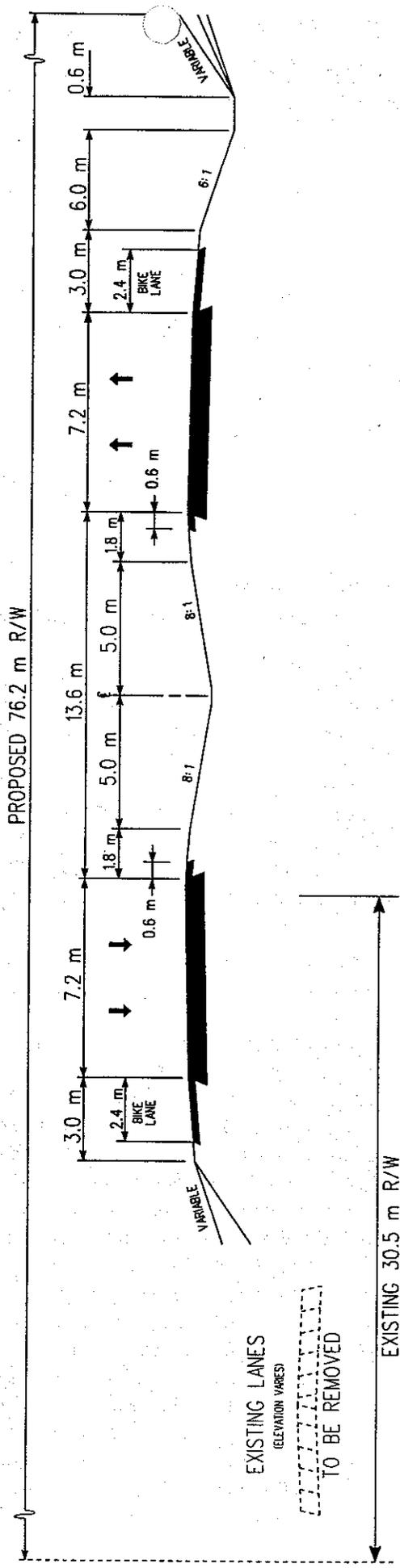


\* WHERE VERTICAL RECONSTRUCTION IS REQUIRED

S.R. 17 IMPROVEMENTS  
 EDS-545(43) WARREN/MCDUFFIE CO.  
 LIMITS SECTION APPLIES

- 1.) JUST NORTH OF C.R. 104/HUBER RD.  
 TO C.R. 131/STORY RANDALL RD.
- 2.) JUST NORTH OF C.R. 130/GUY RD.  
 TO JUST SOUTH OF C.R. 134S./OLD WRENS RD.

NOT TO SCALE



S.R. 17 IMPROVEMENTS  
EDS-545(43) WARREN/McDUFFIE CO.

LIMITS SECTION APPLIES

- 1.) MP. 1.35 IN WARREN CO.  
TO JUST NORTH OF C.R. 104/HUBER RD.
  - 2.) C.R. 131/STOREY RANDALL RD.  
TO JUST NORTH OF C.R. 130/GUY RD.
  - 3.) JUST SOUTH OF C.R. 134S./OLD WRENS ROAD  
TO C.R. 311/WIRE RD.
- NOT TO SCALE

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE** EDS-545(49)(43) **OFFICE** Environment/Location  
Jefferson/Warren/McDuffie  
Counties

P.I. Nos. 222520,222590 **DATE** September 5, 1996

**FROM** <sup>D.S.</sup> Dalton Stevens, TE I, Location Engineer

**TO** Distribution Below

**SUBJECT** CONCEPT TEAM MEETING MINUTES - S.R. 17 Improvements in Jefferson,  
Warren and McDuffie Counties

Date/Time: Thursday, August 29, 1996; 10:00 A.M.  
Place: Conference Room of the Office of Environment/Location  
Attending: DeWayne Patrick, City of Thomson; L.R. Clark II, City of  
Wrens; Wayne Davis, City of Wrens; Charles J. Akins, J.M.  
Huber Corp.; Ken Coxen, J.M. Huber Corp.; Stuart Pittman,  
Thiele Kaolin Co.; Tom Shaw, Ga. Power Company; Marie Piper,  
Bell South; Jim Graybeal, Road Design; Brent Story, Road  
Design; John Lord, Right-of-Way; Reba Scott, Programming;  
David Griffith, Tennille District; Debbie Pennington,  
Tennille District; Jayne Maxwell, Jerry Hobbs, Warren  
Beverley, Ken Thompson, Dalton Stevens, Scott Tolar, Lisa  
Westberry, Kathy Norton, Environment/ Location.

The meeting was opened by Ken Thompson who gave a brief description of the project. The project was then described in detail by Dalton Stevens.

Projects EDS-545(49)(43) in Jefferson, Warren and McDuffie Counties are proposed to improve S.R. 17 from C.R. 59/Quaker Road north of Wrens to C.R. 47/Old Thomson Road and from MP. 1.35 in Warren County to C.R. 311/Wire Road just south of Thomson. Project EDS-545(51), located between (49) and (43), has an approved concept developed by the Tennille District Office. This project, also displayed at the concept meeting, is proposed to improve S.R. 17 from C.R. 47/Old Thomson Road north to MP. 1.35 in Warren County. Improvements of all three units would consist of adding two lanes parallel to the existing two lanes with a 44 ft. (13.6 m) grass median. The total length of the projects is 15.74 miles (25.3 km). The proposed right-of-way is 250 ft. (76 m). Due to the extensive amount of vertical reconstruction throughout the projects (92.8%), it is proposed that the off side existing right-of-way be held and a full 250 ft. (76 m) be acquired on the side proposed to be widened. In areas where there are newly constructed bridges it is proposed to shift the alignment to hold the existing pavement to utilize these bridges. Access control would be by permit. The speed design is 65 mph (104 km/hr). Displacements include twenty houses, thirteen trailers, and two businesses. There would be

approximately 12.2 acres (4.9 ha) of hydric soils impacted by the proposed concepts. The existing bridges would be widened as needed and parallel structures would be added to accommodate the proposed four lane typical section. The existing bridge in unit (51) is proposed to be replaced by a triple concrete bridge culvert. This project has an approved concept under BRN-014-1(54).

Project EDS-545(49) begins at C.R. 59/Quaker Road by extending the newly constructed 5-lane section just north of Wrens (EDS-545(5)). S.R. 17 would be widened symmetrically to 5-lanes with a 14 ft. (4.3 m) flush median to a point approximately .34 miles (.55 km) north of C.R. 59. At this point, the widening would begin to shift to the west and taper to 4-lanes with a 44 ft. (13.6 m) grass median typical section. In addition, it has been proposed that the existing posted speed limit of 45 mph (72 km/hr) be extended to the point at which the taper begins. Widening along the west is proposed to avoid wetlands, reduce residential displacements, and stay off of a major gas line that runs along the east from Wrens to Thomson. West side widening would continue to C.R. 47. The total length of (49) is 3.97 miles (6.4 km).

Project EDS-545(51) begins at C.R. 47 and continues west side widening to MP. 1.35 in Warren County. The total length of (51) is 1.48 miles (2.4 km).

Project EDS-545(43) begins at MP. 1.35 in Warren County where it would continue west side widening to a point approximately .09 miles (.14 km) north of C.R. 102/E. Huff's Bridge Road. At that point, the widening would shift to the east. Widening would continue along the east side to avoid a church, reduce residential displacements, and avoid longitudinal encroachment of creek located on the west. East side widening would continue to a point approximately .06 miles (.09 km) north of C.R. 130/Guy Road. From that point, the widening would shift to the west side of the existing roadway to reduce the impact to the gas line. Widening remains on the west until a point approximately .19 miles (.31 km) south of C.R. 136/Groves Road where it would shift back to the east to reduce residential displacements. East side widening would continue to the end of the project at C.R. 311/Wire Road. The total length of (43) is 10.29 miles (16.6 km).

After review of the concept, the following comments were made:

#### City of Thomson

**Comment:** Encourage the widening from Wrens to Thomson. Stated that relocation of the gas line could be disastrous to the city of Thomson. Asked if there were any other alternates being studied at this time. Also asked the cost per mile to relocate the line and the design year. Major concern is the funding for the relocation of the gas line. Mayor Knox and Chairman Glavine would like to discuss splitting the cost of the gas line with the D.O.T. Will have consultants look at the project upon receipt of the concept.

**Response:** No other alternates are being studied at this time. The estimated cost to relocate the gas line is \$40/ft. The current projected let date for (49) is FY 1999 and (43) is FY 2000.

**Comment:** Stated that the existing gas line was a 6" high pressure line that has been in place approximately 40 years. Suggested that the line should be left in place while a new one is installed so service will not be halted.

City of Wrens

**Comment:** Greatful for project. Request that impacts to the gas line be kept to a minimum. Also concerned about the funding of the project.

Road Design

**Comment:** Due to the hilly terrain through out the project, it will be difficult to set the design speed at 65 mph. May require a 64 ft. (19.5 m) median to stage construction.

**Response:** Profile is available upon request.

**Comment:** Design will be handled by the D.O.T. If these projects are not let at the same time, profiles need to be coordinated so that all of the typical sections match.

District

**Comment:** Consideration should be made at the new bridges along S.R. 17.

**Response:** Profile has been adjusted to maintain the existing grades at each bridge location. Also, shifts have been made to hold existing pavement in order to retain the existing structures.

EAB

**Comment:** There is one historic resource on the project. Environmental work will be done by consultants. Wetland deliniations are preliminary. The type of document for this project will be an Environmental Assessment.

Local Utilities

**Comment:** Southern bell will be highly impacted by construction. Approximately \$350,000. Will need a minimum of 3 months to relocate.

**Comment:** Ga. Power does not have a problem with relocating. Will need to know vertical curve information upon design. M.E.A.G. should also receive any necessary correspondence.

Local Business

**Comment:** Thiele Kaolin Company asked if they could be provided access and a cross over at their main entrance just south of C.R. 106.

**Response:** Due to the high percentage of trucks and a more accessible location, it may be possible and more beneficial to move the cross over from C.R. 106 south to their entrance. However, public access must be provided.

**Comment:** There are future plans for new mining pits in the S.R. 17 Connector area. Would like to coordinate with the D.O.T. when reclamation of the mining areas takes place so unsuitable material will not be backfilled.

**Response:** Need to coordinate with design concerning back fill material along the right-of-way. Also, the lab needs to be involved with design and construction especially in the kaolin mine areas.

Programming

**Comment:** Project is 100% state funded, but could be cleared for federal aide.

**Comment:** Projects are scheduled to be let in FY 1999 and 2000.

**EMG**

**Comment:** This will be a D.T.M. project. No mapping at this time.

**Assignments/Miscellaneous**

- The City of Thomson was given a copy of the concept for their file.
- UST/HAZ. Waste surveys were requested from the District office.

ADS/as

**Distribution:** Wayne Hutto  
Ronald Collins/Attn: Warren Bailey  
Herman Griffin/Attn: Terry Rogers  
Jim Kennerly  
Toni Dunagan/Attn: Cindy Van Dyke  
Marion Waters  
Bobby Mustin  
Dudley Ellis  
David Meshberger  
Larry Seabrook  
Bascomde Hughes  
Harvey Keepler  
Charles Norris/Tennille District  
Luke Cousins

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

---

RECEIVED  
MAR 17 1997  
PRECONSTRUCTION

**INTERDEPARTMENT CORRESPONDENCE**

FILE EDS-545 (49) Jefferson OFFICE Tennille  
P.I. 222520  
EDS-545 (43) Warren-McDuffie DATE March 14, 1997  
P.I. 222590

FROM *D.O.G.* David O. Griffith, District Preconstruction Engineer

TO C. Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **CONCEPT REPORTS**

This office has reviewed the concept reports for the referenced projects and find them satisfactory. Signed cover sheets are attached for your further handling.

DOG:mgi  
Attachments

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ENVIRONMENT/LOCATION

**PROJECT CONCEPT REPORT**

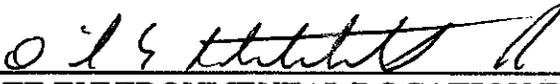
**EDS-545(43)**  
**WARREN/McDUFFIE COUNTIES**  
**P.I. NO. 222590**

U.S. Route No.: 1  
State Route No.: 17

Date of Report: February 19, 1997

**RECOMMENDATION FOR APPROVAL**

3/4/97  
DATE

  
STATE ENVIRONMENTAL/LOCATION ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STATE ROAD & AIRPORT DESIGN ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STATE TRAFFIC OPERATIONS ENGINEER

3/14/97  
DATE

Charles W. Morris, Jr  
DISTRICT ENGINEER / TENNILLE 206

\_\_\_\_\_  
DATE

\_\_\_\_\_  
PROJECT REVIEW ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STATE BRIDGE & STRUCTURAL ENGINEER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ENVIRONMENT/LOCATION

**PROJECT CONCEPT REPORT**

**EDS-545(49)  
JEFFERSON COUNTY  
P.I. NO. 222520**

U.S. Route No.: 1

Date of Report: February 19, 1997

State Route No.: 17

**RECOMMENDATION FOR APPROVAL**

3/4/97  
DATE

*[Signature]*  
STATE ENVIRONMENTAL/LOCATION ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STATE ROAD & AIRPORT DESIGN ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STATE TRAFFIC OPERATIONS ENGINEER

3/14/97  
DATE

*Charles W. Morris, Jr.*  
DISTRICT ENGINEER / TENNILLE *200.*

\_\_\_\_\_  
DATE

\_\_\_\_\_  
PROJECT REVIEW ENGINEER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ENVIRONMENT/LOCATION

**PROJECT CONCEPT REPORT**

**EDS-545(43)**  
**WARREN/McDUFFIE COUNTIES**  
**P.I. NO. 222590**

U.S. Route No.: 1  
State Route No.: 17

Date of Report: February 19, 1997

**RECOMMENDATION FOR APPROVAL**

3/4/97  
DATE

  
STATE ENVIRONMENTAL/LOCATION ENGINEER

3-24-97  
DATE

  
STATE ROAD & AIRPORT DESIGN ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STATE TRAFFIC OPERATIONS ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
DISTRICT ENGINEER / TENNILLE

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DATE

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PROJECT REVIEW ENGINEER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STATE BRIDGE & STRUCTURAL ENGINEER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

RECEIVED

MAY 10 1997

PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-545 (43), Warren & McDuffie Cos. OFFICE Traffic Operations  
 P.I. No. 222590 Atlanta, Georgia  
 DATE May 6, 1997

FROM *MGW PMA*  
 Marion G. Waters, III, P.E., State Traffic Operations Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT Project Concept Report Review

We have reviewed the concept report on the above project for the proposed widening of SR 17 from MP 1.35 in Warren Co. to CR 311 south of Thomson. The existing two lane roadway will be widened to a four lane section with a 13.6 m median. We believe this concept will improve safety and operational capacity along this section of roadway. We therefore find this report satisfactory for approval.

MGW:CKE

Attachment (signature page)

cc: David Studstill  
 James Kennerly  
 Bob Mustin, w/attachment  
 General Files

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT

EDS-545(43)  
WARREN/MCDUFFIE COUNTIES  
P.I. NO. 222590

U.S. Route No.: 1                      Date of Report: February 19, 1997  
State Route No.: 17

RECOMMENDATION FOR APPROVAL	
<u>2/9/97</u> DATE	<u><i>OK</i></u> STATE ENVIRONMENTAL/LOCATION ENGINEER
<u>5-12-97</u> DATE	<u><i>M. S. ... III</i></u> STATE ROAD & AIRPORT DESIGN ENGINEER
<u>          </u> DATE	<u>          </u> STATE TRAFFIC OPERATIONS ENGINEER
<u>          </u> DATE	<u>          </u> DISTRICT ENGINEER / TENNILLE
<u>          </u> DATE	<u>          </u> PROJECT REVIEW ENGINEER
<u>          </u> DATE	<u>          </u> STATE BRIDGE & STRUCTURAL ENGINEER

MONTH: JULY 1993

*UP*  
*Locomotion*

REVISION REQUEST  
for the  
LONG RANGE PROGRAM

Authorization is requested to proceed with development of a project concept on the following project:

Action Requested: ADDITION TO LONG RANGE

PROJECT DATA

County ----- Project No. ----- Type Work -----  
 WARREN ----- P.I. No. -----  
 EDS-545(43) ----- RECST. OR REHAB.  
 222590 ----- WIDENING  
 Description: SR17/US1 FM MP 1.35 NEAR CR 32N TO WIRE RD/CR 311/MCDUFFIE  
 Project Length = 10.29 Miles

FUNDING INFORMATION

Estimated Cost (\$1,000's)	DOT Share	Other Share	Fiscal Year	Cong. District	Field District
PE \$272			1996		
ROW \$1,840			1998	10	2
CONST \$13,646	\$13,646	\$0	Long Range		

Fund 1 = EDS  
Fund 2 = EDS

REASON FOR REVISION:

Requested by the Director of Preconstruction  
The design of this project should be coordinated with BRN-014-1(44),  
PI # 221210.

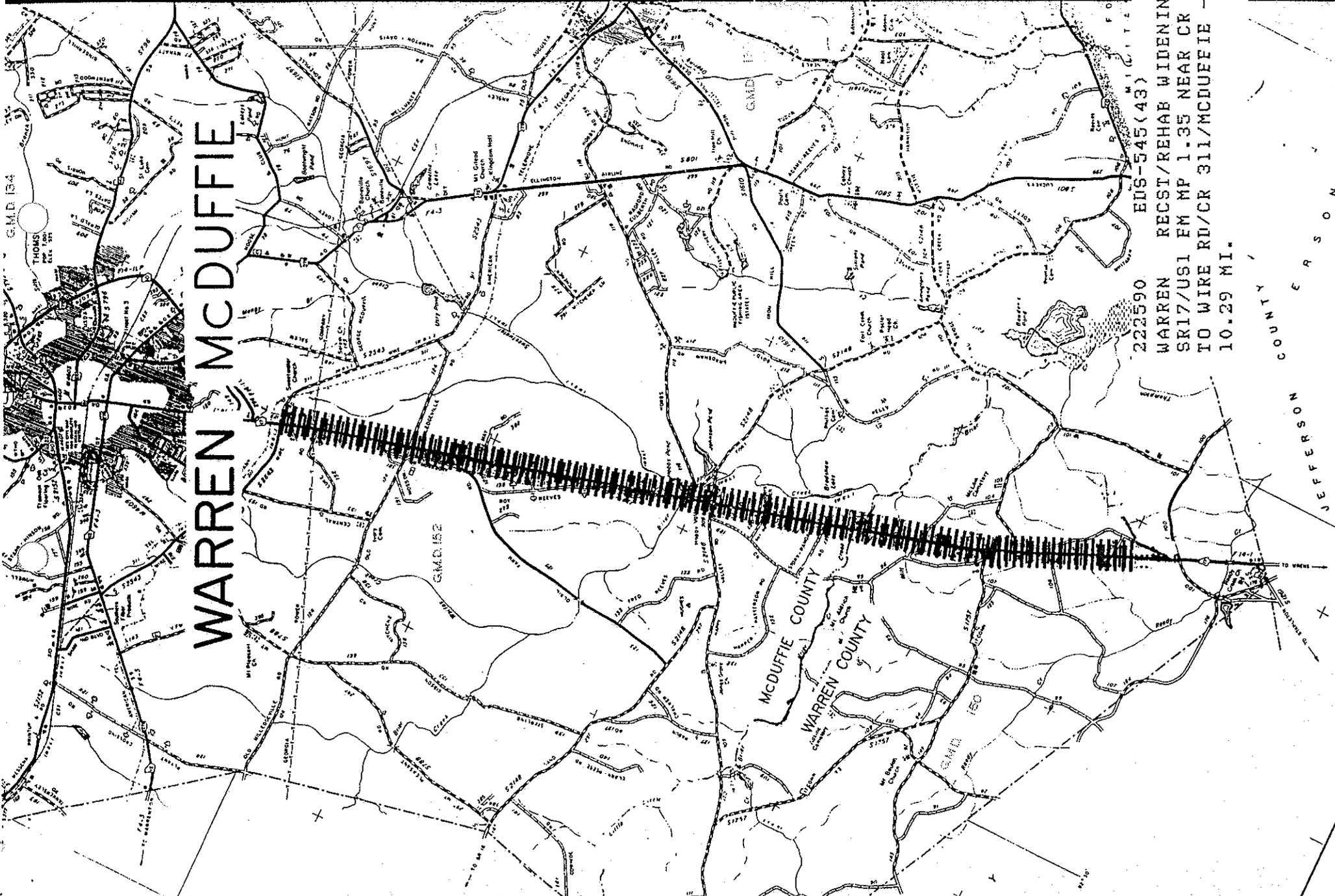
*Gay Gullickson*

RECOMMENDED  
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

*Wayne*

APPROVED  
COMMISSIONER

# WARREN MCDUFFIE



222590

EDS-545(43)

WARREN RECSI/REHAB WIDENING  
SR17/US1 FM MP 1.35 NEAR CR 32N  
TO WIRE RD/CR 311/MCDUFFIE -  
10.29 MI.

WARREN COUNTY  
MCDUFFIE COUNTY  
JEFFERSON COUNTY  
ASO

US19 in Schley County through Ellaville  
Length - 2.5 miles  
R/W Estimate - \$ 1,000,000 - FY96  
Cst Estimate - \$ 2,750,000 - FY97

US19 in Schley County from the north city limits of Ellaville to the Butler Bypass in Taylor County

Length - 14.6 miles  
R/W Estimate - \$ 1,040,000 - FY96  
Cst Estimate - \$ 6,300,000 - FY97

US1 in Emanuel County from I16 to the south Swainsboro Bypass

Length - 9.8 miles  
R/W Estimate - \$ 1,225,000 - FY95  
Cst Estimate - \$ 6,370,000 - FY96

US1 in Emanuel County from the north Swainsboro Bypass to the Wadley Bypass

Length - 6.1 miles  
R/W Estimate - \$ 1,326,000 - FY95  
Cst Estimate - \$ 7,950,000 - FY96

SR17 in Jefferson County from SR16 to CR47

Length - 3.3 miles  
R/W Estimate - \$ 800,000 - FY98  
Cst Estimate - \$ 3,600,000 - FY00

SR17 in Warren County from Mile Post 1.35 to the Thomson Bypass in McDuffie County

Length - 10.0 miles  
R/W Estimate - \$ 1,840,000 - FY98  
Cst Estimate - \$ 9,455,000 - FY00

*I - 35*

SR17 in Stephens County from SR17 Alternate to SR184/SR365

Length - 10.0 miles  
R/W Estimate - \$ 1,275,000 - FY97  
Cst Estimate - \$ 6,120,000 - FY98

US441 in Echols County from the Florida State Line to Homerville in Clinch County

Length - 38.0 miles  
R/W Estimate - \$ 4,130,000 - FY98  
Cst Estimate - \$ 23,600,000 - FY00

US441 in Clinch County from Homerville to SR50 in Atkinson County

Length - 19.0 miles  
R/W Estimate - \$ 2,065,000 - FY97  
Cst Estimate - \$ 11,800,000 - FY99

US441 in Putnam County from Lake Sinclair to Eatonton Bypass

Length - 7.7 miles

R/W Estimate - \$ 924,000 - FY96

Cst Estimate - \$ 5,775,000 - FY97

US441 in Putnam County from Eatonton Bypass to I20 in Morgan County

Length - 16.8 miles

R/W Estimate - \$ 2,016,000 - FY97

Cst Estimate - \$12,600,000 - FY99

US441 in Morgan County from the Madison Bypass to the Watkinsville Bypass in Oconee  
County

Length - 17.0 miles

R/W Estimate - \$ 2,380,000 - FY97

Cst Estimate - \$15,300,000 - FY99

US84/SR38 in Ware County from the west city limits of Manor to Waycross

Length - 14.5 miles

R/W Estimate - \$ 2,794,000 - FY97

Cst Estimate - \$12,550,000 - FY99

If you have any questions, please do not hesitate to contact me.

HJL

xc: Charles Lewis  
Frank Danchetz  
Roland Hinners  
David Studstill  
Wayne Hutto

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

4/27/93  
*[Handwritten signature]*  
Herman Griffin

INTERDEPARTMENT CORRESPONDENCE

FILE:

4/28/93

*for my*

*Please proceed to program!*  
*These projects are signed.*

OFFICE: Preconstruction

DATE: April 22, 1993

FROM: Howard Lively, Jr, PE, Director of Preconstruction

TO: Herman Griffin, PE, State Transportation Programming Engineer  
*I know that we  
was a letter. ~~There~~  
with the Commissioner  
setting \$150 million  
of the GRIP programming  
budget per year. We are  
going to forego that  
instruction and program  
all ~~the~~ *Preconstruction**

SUBJECT: PROGRAM GRIP PROJECTS

The following is a list of GRIP projects which are not in the Department's construction work program. Please take the necessary steps to bring them into the program.

SR72 in Madison County from CR277 to east of the Broad River  
Length - 13.1 miles  
R/W Estimate - \$ 1,795,000 - FY96  
Cst Estimate - \$12,220,000 - FY97

*Challenges the Legislative  
to fully fund GRIP  
Key*

SR72 in Elbert County from SR17 to the South Carolina Line  
Length - 12.2 miles  
R/W Estimate - \$ 1,584,000 - FY97  
Cst Estimate - \$10,980,000

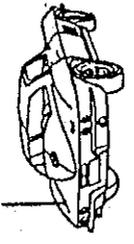
*NOT ON 1992 GRIP  
LIST PER DWD 5-3-93*

Savannah River Parkway in Jenkins County from the Millen Bypass to the Waynesboro Bypass

Length - 17.3 miles  
R/W Estimate - \$ 2,683,000 - FY95  
Cst Estimate - \$14,273,000 - FY97

Savannah River Parkway in Jenkins County from CR190 to the Millen Bypass  
Length - 10.2 miles  
R/W Estimate - \$ 1,459,000 - FY95  
Cst Estimate - \$13,387,000 - FY98

US19 in Schley County from CR46 to the south city limits of Ellaville  
Length - 5.2 miles  
R/W Estimate - \$ 940,000 - FY96  
Cst Estimate - \$ 4,500,000 - FY98







REVISION REQUEST  
for the  
LONG RANGE PROGRAM

Authorization is requested to proceed with development of a project concept on the following project:

Action Requested: ADDITION TO LONG RANGE

PROJECT DATA

County ----- Project No. ----- Type Work -----  
 WARREN ----- P.I. No. -----  
 ----- EDS-545(43) ----- RECON. OR REHAB.  
 Description: SR17/US1 FM MP 1.35 NEAR CR 32N TO WIRE RD/CR 311/MCDUFFIE  
 ----- WIDENING  
 Project Length = 10.29 Miles

FUNDING INFORMATION

Estimated Cost (\$1,000's)	DOT Share	Other Share	Fiscal Year	Cong. District	Field District
PE \$272			1996		
ROW \$1,840			1998	10	2
CONST \$13,646	\$13,646	\$0	Long Range		

Fund 1 = EDS  
Fund 2 = EDS

REASON FOR REVISION:

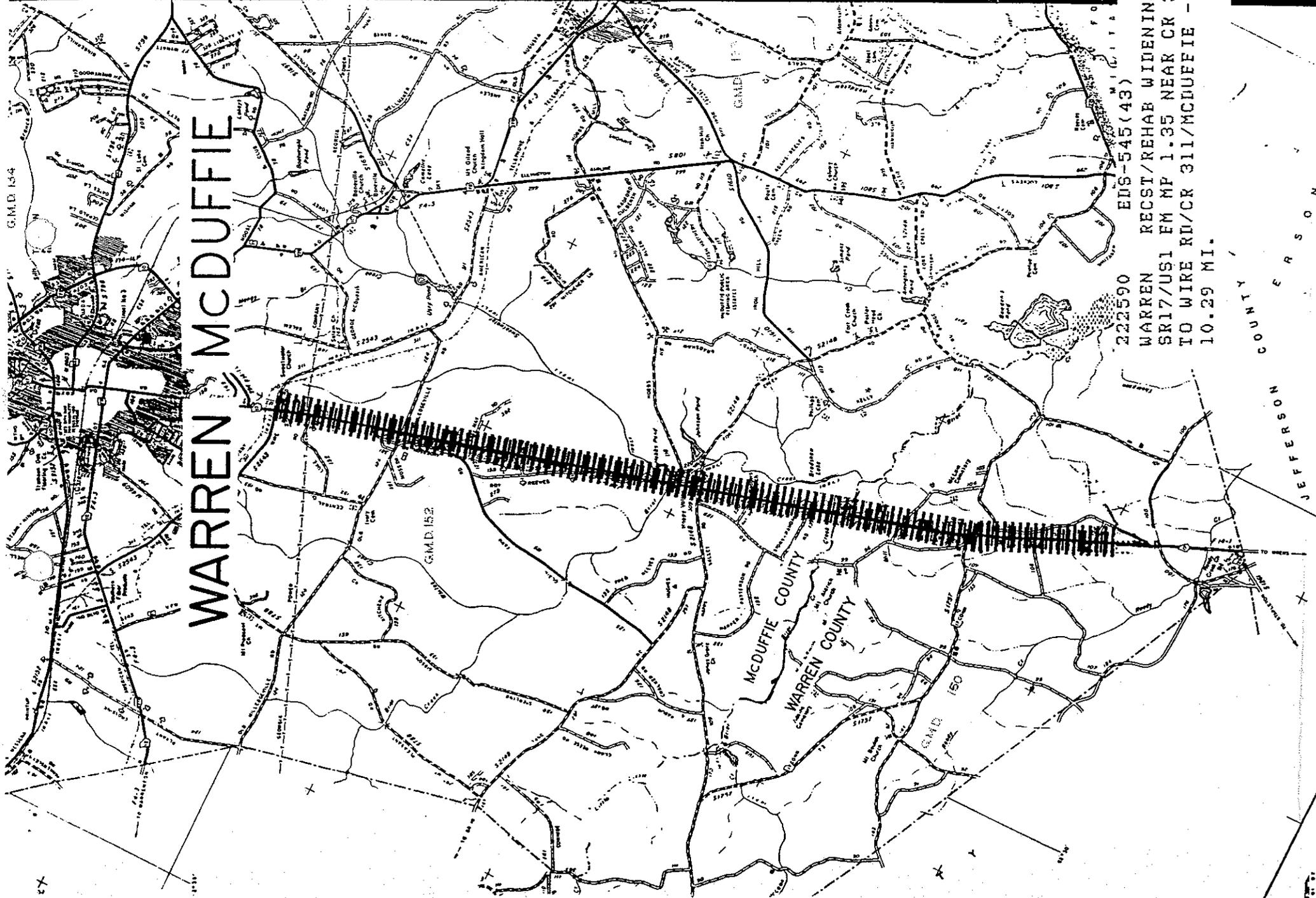
Requested by the Director of Preconstruction  
The design of this project should be coordinated with BRN-014-1(44),  
PI # 221210.

RECOMMENDED *[Signature]*  
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

APPROVED *[Signature]*  
COMMISSIONER

G.M.D. 154

# WARREN MCDUFFIE



222590 ED9-545(43)

WARREN RECONSTRUCTION/REHABILITATION WIDENING  
 SR17/US1 FM MP 1.35 NEAR CR 32N  
 TO WIRE RD/CR 311/MCDUFFIE -  
 10.29 MI.

WARREN COUNTY  
 MCDUFFIE COUNTY  
 JEFFERSON COUNTY  
 GEORGIA

10.29