

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-149-1(30) & BHF-149-1(31) Bulloch County OFFICE Preconstruction
P.I. No. 522460 & 522465 DATE March 30, 1993

CWH/Hutto
FROM 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/se

Attachment

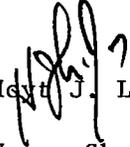
DISTRIBUTION:

John Lively
Robert E. Humphrey
David Studstill
Herman Griffin
Roland Hanners
Darrell Elwell
George Boulineau
Paul Liles
Marion Waters
Ronald Davis

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-149-1(30) & BHF-149-1(31) Bulloch County OFFICE Preconstruction
P.I. Nos. 522460 & 522465 DATE January 29, 1993

FROM  Henry J. Lively, Jr., P. E., Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT

These projects propose the widening of SR 67 from 0.4 miles south of I-16 to south of Burkhalter (CR 585) which is located south of Statesboro in Bulloch County. The base year traffic (1997) is 2,300 - 7,000 VPD and the design year (2017) is 3,500 - 10,700 VPD. The posted speed and the design speed is 55 MPH.

STP-149-1(30) - The existing roadway consists of 2-12' lanes. The existing major structures are: (1) a 360'x47' bridge over I-16 - sufficiency rating of 98.4; (2) a 100'x24' bridge over Mann Branch - sufficiency rating of 7.7; (3) a 60'x24' bridge over Zetterower Branch - sufficiency rating of 35.9; (4) a 60'x24' bridge over Woodcock Branch - sufficiency rating of 35.9; (5) a 29'x36' bridge culvert at Lower Black Creek - sufficiency rating of 89.2; (6) a bridge culvert is presently being constructed at Reed Branch, Project No. BRF-149-1(21).

The proposed roadway consists of 2-12' lanes in each direction separated by a 44' grass median from the beginning of the project to 0.38 miles south of Burkhalter Road (CR 585) where it transitions to a 14' center turn lane to the end of the project. In addition, I-16 ramp intersections will be reconstructed and the WB exit ramp will have some relocation.

BHF-149-1(31) - This project proposes: (1) to remove the existing bridges over Mann Branch, Zetterower Branch, Woodcock Branch and replace with twin bridges; (2) construct a parallel bridge over I-16; (3) extend the bridge culvert at Lower Black Creek; (4) Project No. BRF-149-1(21) needs to be revised to extend the proposed bridge culvert at Reed Branch an additional 70'.

Traffic will be maintained on the existing road during construction. The environmental concerns include requiring a 404 permit and a possible 4(f) due to historical properties; 19 displacements - 7 residences, 6 commercial, 6 mobile homes; 2 possible UST's exist; an EA will be required; a public hearing will be offered; time saving procedures are not appropriate.

Wayne Shackelford
Page 2
January 29, 1993

STP-149-1(30) & BHF-149-1(31) Bulloch County

The estimated costs for these projects are:

	<u>STP-149-1(30)</u>		
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$9,873,166	\$12,368,000	Long Range
Rights-of-way	\$4,166,000	---	1998
Utilities	*LGPA	---	

*LGPA anticipated

	<u>BHF-149-1(31)</u>		
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$2,187,246	\$383,000	1997
Rights-of-way	---		FY 97
Utilities	---		

This project is in the STIP.

I recommend the project concepts for these projects be approved and the project description and cost for BHF-149-1(31) be revised to include the bridge work required at Mann Branch and I-16 and the culvert at Lower Black Creek.

HJL/TMR/se

Attachment

CONCUR:



G. C. Lewis, State Highway Engineer

APPROVED:



Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED
JAN 15 1993

INTERDEPARTMENT CORRESPONDENCE

FILE STP-149-1(30) & BHF-149-1(31) Bulloch County OFFICE Atlanta, Georgia
 P.I. No. 522460 & 522465
 SR 67 Widening and Bridges DATE January 14, 1993

FROM Robert E. Humphrey, Project Review Engineer *REH son*

TO Hoyt J. Lively, Jr., Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project and have the following comment:

> The Project Manager should sign the report.

We have received signed cover sheets from the following offices:

- Traffic & Safety
- Environmental

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$8,772,000
Inflation (5% per year) x 5 yrs.	2,193,000
E & C (10%)	1,096,000
Preliminary Engineering (5%)	438,600
Right of Way	4,166,000
Utilities	LGPA

BDM/kmp

Attachments

c: Roland W. Hinners

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ROAD AND AIRPORT DESIGN



PROJECT CONCEPT REPORT

S.R. 67

STP-149-1-(30)

BHF-149-1-(31)

BULLOCH COUNTY

FEDERAL ROUTE NO:
GADOT P.I. NO: 522460 & 522465

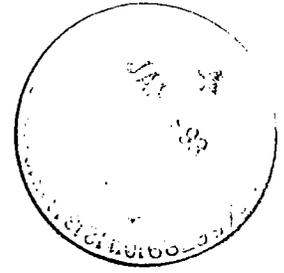
Date of Report: DEC-07-1992

RECOMMENDATION FOR APPROVAL

DATE	State Road & Airport Design Engineer
DATE	State Environmental Engineer
DATE	State Traffic & Safety Engineer
DATE	District Engineer
DATE	State Bridge Engineer

RECEIVED
FEBRUARY 1993
GADOT

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ROAD AND AIRPORT DESIGN



PROJECT CONCEPT REPORT

S. R. 67

STP-149-1-(30)

BHF-149-1-(31)

BULLOCH COUNTY

FEDERAL ROUTE NO:
GADOT P.I. NO: 522460 & 522465

Date of Report: DEC-07-1992

RECOMMENDATION FOR APPROVAL

<u>12-10-92</u> DATE	<u><i>Robert H. ...</i></u> State Road & Airport Design Engineer
_____ DATE	_____ State Environmental Engineer
_____ DATE	_____ State Traffic & Safety Engineer
_____ DATE	_____ District Engineer
<u>1/28/93</u> DATE	<u><i>Paul V. Tates Jr.</i></u> State Bridge Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ROAD AND AIRPORT DESIGN



PROJECT CONCEPT REPORT

S.R. 67

STP-149-1-(30)

BHF-149-1-(31)

BULLOCH COUNTY

FEDERAL ROUTE NO:
GADOT P.I. NO: 522460 & 522465

Date of Report: DEC-07-1992

RECOMMENDATION FOR APPROVAL	
DATE	State Road & Airport Design Engineer
DATE	State Environmental Engineer
<u>12/16/92</u>	<u>Marion G. Waters III</u>
DATE	State Traffic & Safety Engineer
DATE	District Engineer
DATE	State Bridge Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE Project No. STP-149-1(30) & BHF-149-1(31) OFFICE Atlanta, GA
Bulloch County
P.I. Nos. 522460 & 522465 DATE Dec. 16, 1992

FROM *QBR for* Marion G. Waters, III, P.E., State Traffic & Safety Engineer

TO Robert E. Humphrey, P.E., Project Review Engineer

SUBJECT Project Concept Report Review

We have reviewed the concept report on the above project STP-149-1(30) for reconstruction of SR 67 from an existing two lane roadway to a four lane facility with a 44 ft. depressed median which would transition to a 14 ft. center turn lane approximately 2000 ft. south of CR 585, (Burkhalter Road) and continue to the end of project. Improvements include reconstruction of I-16 ramp intersections and some relocation of the westbound exit ramp. The design speed is 55 MPH. Length of project is approximately 10.860 miles.

Project BHF-149-1(31) would provide for new twin bridges over Woodcock Branch and Zetterower Branch. We note additional bridge work is needed at Mann Branch and a parallel bridge is needed at I-16.

We believe the project concept will provide for safety and operational capacity. Therefore, approval is recommended.

MGW:LEO:sm

Attachment (signature page)

cc: Roland Hinners, State Road & Airport Design Engineer
Ronald "Bo" Davis, District Engineer - Jesup

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ROAD AND AIRPORT DESIGN



PROJECT CONCEPT REPORT

S.R. 67

STP-149-1-(30)

BHF-149-1-(31)

BULLOCH COUNTY

FEDERAL ROUTE NO:
GADOT P.I. NO: 522460 & 522465

Date of Report: DEC-07-1992

RECOMMENDATION FOR APPROVAL

DATE	State Road & Airport Design Engineer
<u>1/4/93</u>	<u><i>J. E. Stittell</i></u>
DATE	State Environmental Engineer
DATE	State Traffic & Safety Engineer
DATE	District Engineer
DATE	State Bridge Engineer

PROJECT CONCEPT REPORT

P.I. NOS.: 522460
& 522465

PROJECT NUMBER: STP-149-1-(30) & BHF-149-1-(31)

PROJECT LOCATION & DESCRIPTION
<p>Project STP-149-1(30) begins approximately 0.4 miles south of I-16 and extends north to a point south of CR585 (Burkhalter Rd.), tying into project STP-149-1(29). The existing 2-lane roadway will be reconstructed to a 4-lane roadway with a divided median. The divided median will be a 44-ft wide depressed median (normal), then transition to a 14-ft two-way left turn lane approximately 2000 feet south of CR585 and continue to the end of the project. Widening will be on the eastside except for a short transition to the west side to reduce impact on existing historical property (Alt-B). The project includes reconstruction of I-16 ramp intersections and some relocation of the WB exit ramp. Project Length is approximately 10.860 Miles.</p> <p>Project BHF-149-1-(31) provides for new twin stream bridges at Woodcock Branch and Zetterower Branch. See comments for required additional bridge work at Mann Branch and I-16</p>

TRAFFIC			
CURRENT		PROJECTED	
<u>YEAR</u>	<u>AADT</u>	<u>YEAR</u>	<u>AADT</u>
1997	2300-7000	2017	3500-10700

PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
MAJOR/EXISTING	RURAL MINOR ARTERIAL

NON-CA ()	CA ()	EXEMPT (X)
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PROJECT NEED & PURPOSE
<p>This road serves as a primary route for traffic between Statesboro and Savannah and as a direct link between Savannah and Ft. Stewart (U.S.Army) located in Liberty County. Access to Georgia Southern University is also accomplished by means of S.R.67.</p>

EXISTING ROADWAY

TYPICAL SECTION: TWO 12-FT. LANES ASPHALT

R/W WIDTH
100-200 FT

POSTED SPEED
55 MPH

MAX DEGREE OF CURVE
2 DEG 30 MIN.

MAX GRADE
3.3164 %

MAJOR STRUCTURES:

1. I-16 (360 x 47), BRIDGE, 98.4 EFFICIENCY RATING
2. MANN BRANCH (100 x 24), BRIDGE, 7.7 EFFICIENCY RATING
3. ZETTEROWER BRANCH (60 x 24), BRIDGE, 35.9 EFFICIENCY RATING
4. WOODCOCK BRANCH (60 x 24), BRIDGE, 35.9 EFFICIENCY RATING
5. LOWER BLACK CREEK (29 x 36), BRIDGE CULVERT, 89.2 EFFICIENCY RATING
6. REED BRANCH NEW CULVERT PROPOSED PROJECT NO. BRF-149-1-(21)
~~(700' x 27.9' Bridge Suff. Rct. 40.9)~~

PROPOSED ROADWAY

TYPICAL SECTION: 4-LANE WITH 44-FT. GRASS MEDIAN / SHORT SECTION OF 4-LANE WITH 14-FT. FLUSH MEDIAN

DESIGN SPEED
55 MPH

MAX DEGREE OF CURVE;
ALLOWABLE: 6.00 DEG.
PROPOSED: 2 DEG 30 MIN

MAX GRADE;
ALLOWABLE: 3.50 %
PROPOSED: 3.50 %

MAJOR STRUCTURES: Twin bridges over Mann Branch, Woodcock Branch, and Zetterower Branch.
Parallel bridge over I-16.
Bridge culvert over Lower Black Creek.

PROPOSED RIGHT OF WAY

R/W WIDTH
200 FT

DISPLACEMENTS

RES.: 7 BUS.: 6 M.H.: 6

TYPE OF ACCESS CONTROL: Access by permit. Partial limited access at I-16 interchange

ESTIMATED COST	
CONSTRUCTION: \$ 8,771,208	RIGHT-OF-WAY: \$ 4,299,000
E & C (10) : \$ 877,121	ACQUIRED BY: D.O.T.
INFLATION : \$ 2,248,195	UTILITIES : \$ 0
	ADJUSTED BY: LGPA
TOTAL CONSTRUCTION COST: \$ 11,896,524	

COMMENTS:

1. Utilities: LGPA is anticipated. Reimbursable cost is \$351,000. Nonreimbursable cost is \$46,000. Total utility cost is \$397,000. Utility companies include: Excelsior E.M.C., Georgia Power Co., and Bulloch Rural Telephone Co.
2. Inadequate existing vertical curves will be reconstructed to meet the proposed speed design.
3. The Office of Road Design presented and described the following:
Alternate "A"- Relocation of SR 46 to improve the angle of intersection with SR 67. Alt. "A" was rejected because of negative impact on development and insufficient improvement.
Alternate "B" - Shift SR 67 widening to the westside to mitigate impacts on historical property. Alt. "B" was accepted and is included in the proposed project.
4. Request necessary programming of projects for additional bridgework. Preliminary bridge cost:

Woodcock and Zetterower Branches	-	\$ 462,000
Mann Branch	-	396,000
Parallel bridge at I-16	-	594,000
Total Bridge Cost	-	\$1,452,000
5. Wetlands mitigation is required.
6. Programming is requested to revise program description to eliminate overlap between projects STP-149-1-(30) and STP-149-1-(29).
7. Revise project ~~B&E~~ STP-149-1-(21) Bulloch to lengthen culvert to accommodate lane transition over Reed Creek *Branch*

ATTACHMENTS:

Minutes of concept meeting
Typical sections
Utility cost estimate
R/W cost estimate
Preliminary detailed cost estimate
Board approved construction work program document

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-149-1-(30) BHF-149-1-(31) COUNTY: BULLOCH

DATE: DEC-07-1992

ESTIMATED LETTING DATE: JUL-15-1997

PREPARED BY: STEVE ROBERTS

PROJECT LENGTH (MILES): 10.860

() PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEV.

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (land & easement)	_____	\$	878,000
2. DISPLACEMENTS: Res.7 Bus.6 M.H.6		\$	1,742,000
3. OTHER COST (adm./court, inflation)	_____	\$	1,546,000
	SUBTOTAL:A	\$	<u>4,166,000</u>

B. REIMBURSABLE UTILITIES:

1. RAILROAD	_____	\$	0
2. TRANSMISSION LINES	_____	\$	0
3. SERVICES (\$351,000)	_____	\$	LGPA
(see Concept Report comments page 6)			
	SUBTOTAL:B	\$	<u>LGPA</u>

C. CONSTRUCTION:

1. MAJOR STRUCTURES:

a. RETAINING WALLS	_____	\$	0
b. BRIDGES	_____	\$	1,452,000
c. DETOUR BRIDGES	_____	\$	0
d. BOX CULVERTS	_____	\$	138,724
	SUBTOTAL:C-1	\$	<u>1,590,724</u>

2. GRADING AND DRAINAGE:

a. EARTHWORK_(932222CYx\$1.93) + (175CYx\$27.28)	\$	1,803,962
b. DRAINAGE:		
1) Cross Drain Pipe (exc.box culverts)	\$	540,400
2) Curb and Gutter	\$	0
3) Longitudinal System(incl.catch basins)	\$	0
	SUBTOTAL:C-2	\$ <u>2,344,362</u>

3. BASE AND PAVING:

a. AGGREGATE BASE	\$	977,266
b. ASPHALT PAVING:		
Surface 34537TONSx\$24.29	\$	838,904
Binder 30185TONSx\$26.16	\$	789,640
Leveling 4222TONSx\$26.77	\$	113,023
Base 32598TONSx\$26.03	\$	848,526
BitumTk 25905GALSx\$ 0.68	\$	17,615
	SUBTOTAL:C-3.b	\$ 2,607,708
c. CONCRETE PAVING	\$	0
d. OTHER	\$	0
	SUBTOTAL:C-3	\$ <u>3,584,974</u>

4. LUMP ITEMS:

a. TRAFFIC CONTROL	\$	22,000
b. CLEARING AND GRUBBING	\$	450,000
c. LANDSCAPING	\$	0
d. EROSION CONTROL	\$	258,808
e. DETOURS	\$	0
	SUBTOTAL:C-4	\$ <u>730,808</u>

5. MISCELLANEOUS:

a. LIGHTING	\$	0
b. SIGNING - STRIPING - SIGNAL	\$	169,610
c. GUARDRAIL	\$	87,933
d. SIDEWALK - MEDIAN BARRIER - FENCING	\$	23,080
	SUBTOTAL:C-5	\$ <u>280,623</u>

6. SPECIAL FEATURES	SUBTOTAL:C-6	\$ <u>239,717</u>
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ESTIMATE SUMMARY

A. RIGHT-OF-WAY	\$	<u>4,166,000</u>
B. REIMBURSABLE UTILITIES	\$	<u>0</u>
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$	<u>1,590,724</u>
2. GRADING AND DRAINAGE	\$	<u>2,344,362</u>
3. BASE AND PAVING	\$	<u>3,584,974</u>
4. LUMP ITEMS	\$	<u>730,808</u>
5. MISCELLANEOUS	\$	<u>280,623</u>
6. SPECIAL FEATURES	\$	<u>239,717</u>
SUBTOTAL CONSTRUCTION COST	\$	<u>8,771,208</u>
E. & C. (10%)	\$	<u>877,121</u>
INFLATION (5% PER YEAR)	\$	<u>2,248,195</u>
TOTAL CONSTRUCTION COST	\$	<u>11,896,524</u>
 GRAND TOTAL PROJECT COST	\$	<u>16,062,524</u>

D. Q. T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-149-1(30)&BHF-149-1(31) Bulloch OFFICE Atlanta
P.I. Nos. 522460 & 522465 DATE Sept. 21, 1992

FROM *Roland Hinners*
Roland Hinners, State Road & Airport Design Engineer *YCB*

TO SEE DISTRIBUTION

SUBJECT Minutes of Concept Team Meeting

The concept team meeting was held September 10, 1992 in the Road Design Conference Room. Individuals present were: John Bishop, Ray Metts, Steve Roberts, Tim Klob, Reba Scott, Terry Rogers, Pete Blocker, Kathy Norton, Fred Hodges, Joe Hurst, Louis Owen and John Lord,.

Project STP-149-1(30) was described as starting from approximately 0.4±/- mile south of I-16 north to just south of County Road (CR)585 (Burkhalter Road) tying into project STP-149-1(29). The predominant typical section will consist of a rural four-lane divided roadway with a 44-ft. grass median and a short section with a 14 ft. flush two-way left turn lane just south of CR 585. It is proposed to widen to the east side of the existing lanes. Required R/W will be needed on both sides of the existing roadway with a total width of approximately 200 ft. Grade changes on the existing roadway will be required where the existing grade fails to meet the minimum required speed design, except where a design exception may be approved. Median openings are proposed at most existing county roads.

Project BHF-149-1(31) provides for new twin stream bridges at Zetterower Branch and Woodcock Branch,. Either a new contract or a revision to BHF-149-1(31) is required to provide for a twin bridge at I-16, at Mann Creek and a bridge culvert extension at Lower Black Creek. A "use on construction" revision for Project BHF-149-1(21) is required to extend the bridge culvert at Reed Creek, south of I-16, to accommodate the required lane transition from two lanes to the four lanes divided.

GENERAL DISCUSSION

Location/Environmental Office: A preliminary site inspection indicate that all historic sites identified were located north of CR 322 to CR 585. A question whether a total wetland area has been estimated was raised.

Programming: Project STP-149-1(31) is listed in the STIP. However, STP-149-1(30) project is not listed. The STIP will be submitted to the highway board for approval in October.

Traffic & Safety: Recommended a median opening at CR 841. Also asked about a median opening just south of I-16 to serve truck stop. It was noted that there is not enough distance from the I-16 ramp median opening and that there is a median opening to be provided at CR 279.

Page 2
September 21, 1992
Concept Team Meeting

Right of Way: Asked about the R/W encroachment on the auction barn and driveway at the fair grounds south of Burkhalter Road. This area will be studied during the design process.

Location/Environmental asked about the two historic sites just south of CR 245. After hearing that Alternate "B" would shift the widening to the west of the existing roadway to avoid both the historic sites as well cost less in R/W acquisition, the team spoke in favor of the alternate "B" relocation.

District Preconstruction: Submitted a utility cost estimate from the District Utility Office.

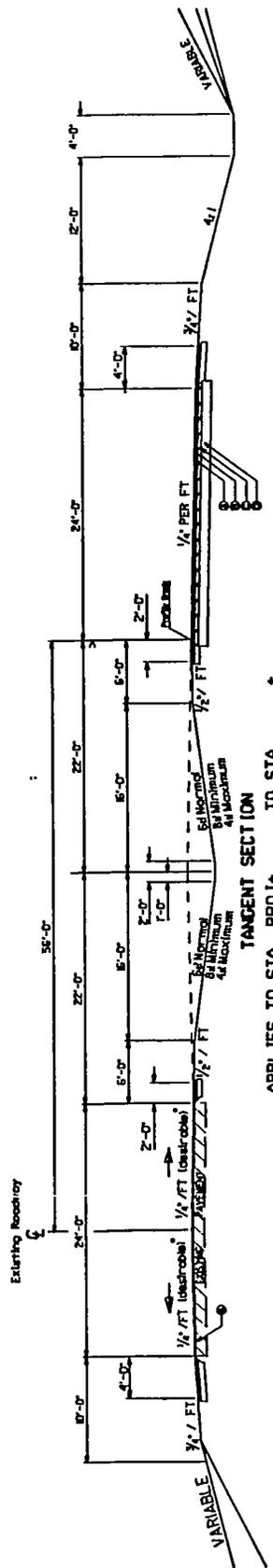
"Need and Purpose Statement" has been received from the Planning Office. Accident history has been received from the Traffic and Safety Office.

RH:GRM:bc

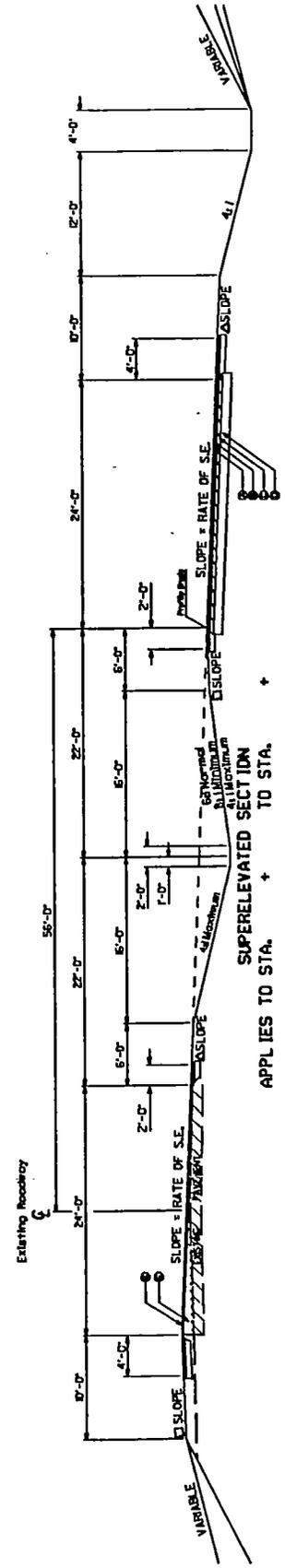
DISTRIBUTION

Tim Klob
Reba Scott
Terry Rogers
John Bishop
Pete Blocker
Kathy Norton/Susan Knudsen
Louis Owen
John Lord
Fred W. Hodges, Bulloch Telephone
Joe W. Hurst, Statesboro Telephone

PROJECT	STP-49-1(30)
DATE	
BY	
CHECKED	
APPROVED	



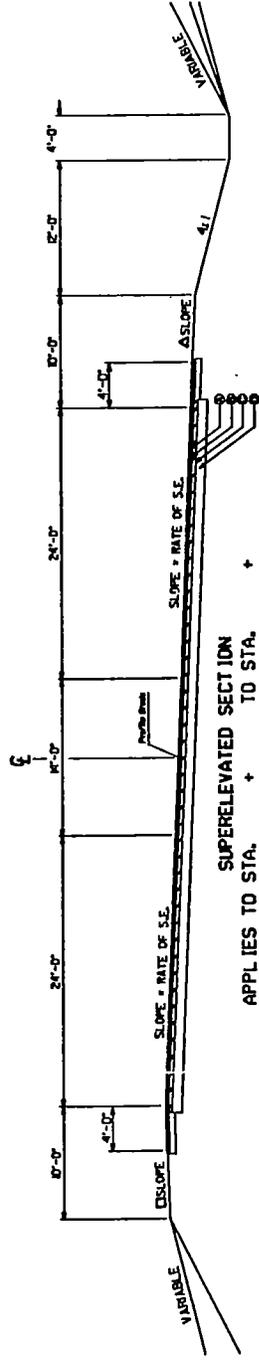
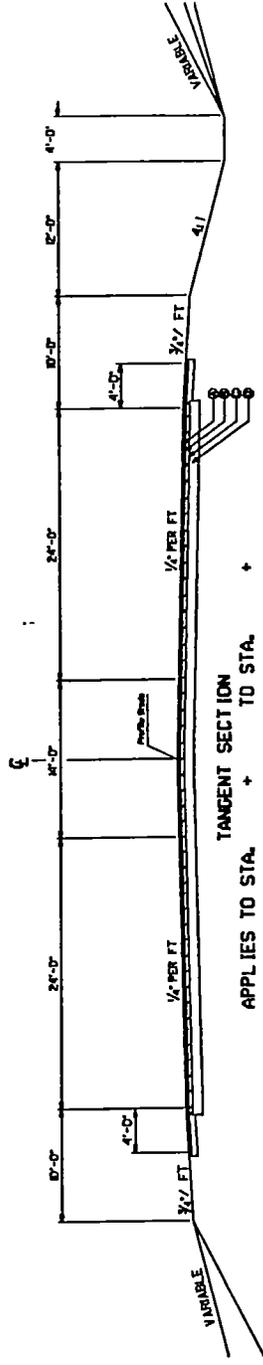
TANGENT SECTION
APPLIES TO STA. PROJ+ TO STA. +



SUPERELEVATED SECTION
APPLIES TO STA. + TO STA. +

TYPICAL SECTION
44' MEDIAN FOR
STP-49-1(30)

STATE	PROJECT NUMBER	SHEET NUMBER
GA.	STP-449-1 (30)	



**6 LANE SECTION FOR
STP-449-1 (30)**

UTILITY COST ESTIMATE
STP-149-1(30) & BHF-149-1(31) Bulloch County
P.I. No. 522460 & 522465

S.R. 67 from I-16 to Burkhalter Road

EXCELSIOR E.M.C. has facilities both on and off existing D.O.T. rights of way. Listed below is a summary of cost to Excelsior E.M.C. and the cost that is eligible for reimbursement.

Excelsior has 9 poles left and 11 poles right that are on D.O.T. right of way and would need to be relocated.

20 poles X \$2,000 = \$40,000

These poles are on D.O.T. rights of way and would be moved by and at the cost of Excelsior E.M.C.

Excelsior has 17 poles left and 63 poles right that are off D.O.T. rights of way and would need to be relocated. There is a 2 pole structure with multiple transformers valued at \$15,000 that would need to be relocated.

80 poles X \$2,000 = \$160,000

2 poles with transformers = \$ 15,000

Total = \$175,000

Excelsior E.M.C. is eligible for reimbursement of \$175,000.

GEORGIA POWER COMPANY has 12 poles that are off D.O.T. rights of way that would need to be relocated.

12 poles X \$5,000 = \$60,000

Georgia Power Company is eligible for reimbursement of \$60,000.

BULLOCH RURAL TELEPHONE COMPANY has poles both on and off D.O.T. rights of way. Listed below is a summary of cost to Bulloch Rural Telephone Company and the cost that is eligible for reimbursement.

Bulloch Rural Telephone Company has 3 poles on D.O.T. rights of way that would need to be relocated.

3 poles X \$2,000 = \$6,000

These poles are on D.O.T. rights of way and would be moved by and at the cost of Bulloch Rural Telephone Company.

*POSSIBLE
STARTS FOR
TELEPHONE*
Bulloch Rural Telephone Company has 58 poles that are off D.O.T. rights of way and would need to be relocated.

58 poles X \$2,000 = \$116,000

These poles are off D.O.T. rights of way and are eligible for reimbursement.

COST TO UTILITY COMPANIES

Excelsior E.M.C =	\$40,000
Bulloch Rural Telephone Company =	\$ 6,000
Total Cost to Utility Companies =	<u>\$46,000</u>

REIMBURSEABLE COST BURDENED BY OTHERS

Excelsior E.M.C. =	\$175,000
Georgia Power Company =	\$ 60,000
Bulloch Rural Telephone Company =	\$116,000
Total reimburseable cost =	<u>\$351,000</u>


Dan Rogers
Assistant District Utilities Engineer
September 8, 1992

ADR:adr

cc: Dudley Ellis, State Utilities Engineer
Hugh D. Blocker, District Design Engineer

With Alternate "B"

Donald E. Welch

DATE OF ESTIMATE 9-8-92

BY: John Lord

TYPE ESTIMATE: Preliminary R/W Cost

PROJECT: STP-149-1(30) Bulloch

P.I. 522460

EXISTING R/W 100' REQUIRED R/W 200' & 130'

ESTIMATED NUMBER OF PARCELS: 160+/-

PROJECT TERMINI: S.R. 67 from C.R. 279 north to C.R. 585/429

PROJECT DESCRIPTION: Widen & reconstruct existing road to 4-lane divided rural and 5-lane rural

TYPE OF LAND USE: Highway Mixed

VALUE APPLIED BASIS: \$6,500/AC

TOTAL LAND COST: \$ 878,000.00

IMPROVEMENTS IMPACTED AND COST: (IF APPLICABLE): Total \$1,182,000.00

7 - Residential, 6 - M.H., 6 - Commercial,
Outbuildings, Lights, Signs & Fencing

RELOCATION COST: (IF APPLICABLE) \$ 440,000.00

CONSEQUENTIAL DAMAGES: (IF APPLICABLE) \$ 120,000.00

Proximity & Parking

NET COST \$ 2,598,000.00

ADM./COURT COST FACTOR 45 % 1,169,000.00

INFLATION FACTOR 10 % 377,000.00

TOTAL COST \$ 4,144,000.00

Donald E. Welch

DATE OF ESTIMATE 9-8-92

BY: John Lord

TYPE ESTIMATE: Preliminary R/W Cost

PROJECT: STP-149-1(30) Bulloch

P.I. 522460

EXISTING R/W 100' REQUIRED R/W 200' & 130'

ESTIMATED NUMBER OF PARCELS: 160+/-

PROJECT TERMINI: S.R. 67 from C.R. 279 north to C.R. 585/429

PROJECT DESCRIPTION: Widen & reconstruct existing road to 4-lane divided rural and 5-lane rural

TYPE OF LAND USE: Highway Mixed

VALUE APPLIED BASIS: \$6,500/AC

TOTAL LAND COST:

\$ 878,000.00

IMPROVEMENTS IMPACTED AND COST: (IF APPLICABLE):

Total \$1,257,000.00

8 - Residential, 6 - M.H., 6 - Commercial,

Outbuildings, Lights, Signs & Fencing

RELOCATION COST: (IF APPLICABLE)

\$ 440,000.00

CONSEQUENTIAL DAMAGES: (IF APPLICABLE)

\$ 120,000.00

Proximity & Parking

NET COST \$ 2,695,000.00

ADM./COURT COST FACTOR 45 % 1,213,000.00

INFLATION FACTOR 10 % 391,000.00

TOTAL COST \$ 4,299,000.00

SAY \$ 4,300,000.00

PRELIMINARY DETAILED COST ESTIMATE FOR PROJECT STP-149-1(30) & BHF-149-1-(31)
 BULLOCH COUNTY PI NO. 522460 & 522465 SR67 FROM I-16 TO BURKHALTER RD PAGE 1

ITEM NO.	ITEM DESCRIPTION	UNITS	UNIT COST	QUANTITY	ITEM COST
150-1000	TRAFFIC CONTROL-STP-149-1(30)	LUMP	22000.000	1	22000.00
153-1200	FIELD ENGINEERS OFFICE TP 2	EACH	16915.120	1	16915.12
163-0010	TEMPORARY GRASS - STP-149-1(30)	LUMP	1000.000	1	1000.00
163-0012	TEMPORARY MULCH - STP-149-1(30)	LUMP	1000.000	1	1000.00
163-1013	CONSTR, MAINT & REM SILT CON GATE, TP 3	EACH	491.790	10	4917.90
163-1014	CONSTR, MAINT & REM SILT CON GATE, TP 4	EACH	297.160	10	2971.60
163-1041	CONSTR, MAINT & REM SEDIMENT BASIN, TP 1	EACH	4026.830	3	12080.49
163-2051	CONSTR & MAIN BALED STRAW EROSION CHECK	LIN FT	2.460	500	1230.00
166-1022	TEMP SLOPE DRAIN	LIN FT	20.000	500	10000.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LIN FT	2.280	2500	5700.00
171-0020	TEMPORARY SILT FENCE, TYPE B	LIN FT	2.300	2500	5325.00
171-0030	TEMPORARY SILT FENCE, TYPE C	LIN FT	3.960	3900	15444.00
201-1000	CLEARING AND GRUBBING	LUMP	450000.000	1	450000.00
205-0001	UNCLASS EXCAV	CU YD	1.930	932222	1799188.46
207-0203	FOUND BK FILL MATT, TP II	CU YD	27.280	175	4774.00
301-4141	PRE-MIXED SOIL-CEM STAB BASE CRS, 6 IN, INCL MATT	SY	2.990	73640	220183.60
301-4161	PRE-MIXED SOIL-CEM STAB BASE CRS, 8 IN, INCL MATT	SY	3.700	184836	683893.20
301-5000	PORTLAND CEMENT	TON	69.160	680	47028.80
318-3000	AGGR SURF CRS	TON	13.080	2000	26160.00
402-0133	RECYCLE ASPH. CONC E. GP 2 ONLY, INCL. BIT. MAT'L & H LIME	TON	24.290	34537	838903.73
402-0111	RECYCLE ASPH. CONC. B., GP.1 OR 2, INCL. BIT. MAT'L & H LIME	TON	26.160	30185	789639.60
402-1812	RECYCLE ASPH. CONC. LEVELING, INCL. BIT. MAT'L AS REQUIRED	TON	26.770	4222	113022.94
402-0120	RECYCLE ASPH. CONC. BASE, GP.1 OR 2, INCL. BIT MAT'L & H LIME	TON	26.030	32598	848525.94
413-1000	BITUM TACK COAT	GAL	0.680	25905	17615.40
433-1000	REINF CONC APPROACH SLAB	SQ YD	68.110	1890	128727.90
441-0204	PLAIN CONC DITCH PAVING, 4 IN	SQ YD	17.630	400	7052.00
441-0301	CONC SPILLWAY, TP 1	EACH	840.670	12	10088.04
441-0754	CONC MEDIAN, 7 1/2 IN	SQ YD	22.350	150	3352.50
456-2003	INDENTATION RUMBLE STRIPS, 3 FT WIDE	MILE	318.080	22	6997.76
500-0100	GROOVING CONCRETE	SQ YD	3.570	4836	17264.52
500-3101	CL A CONC ***ROADWAY ITEM***	CU YD	235.280	216	50820.48
500-3800	CL A CONC INCL REINF STEEL	CU YD	418.500	10	4185.00
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CU YD	113.790	12	1365.48
511-1000	BAR REINF STEEL	LB	0.390	20300	7917.00
550-1150	STORM DRAIN PIPE, 15 IN, H 1-10	LIN FT	17.110	9120	156043.20
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LIN FT	20.630	2144	44230.72
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LIN FT	27.010	1044	28198.44
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LIN FT	32.070	680	21807.60
550-1420	STORM DRAIN PIPE, 42 IN, H 1-10	LIN FT	51.820	220	11400.40
550-1480	STORM DRAIN PIPE, 48 IN, H 1-10	LIN FT	62.960	112	7051.52
550-4118	FLARED END SECTION 18 IN, SIDE DRAIN	EACH	252.980	118	29851.64
550-4124	FLARED END SECTION 24 IN, SIDE DRAIN	EACH	305.070	26	7931.82
550-4215	FLARED END SECTION 15 IN, STORM DRAIN	EACH	259.280	120	31113.60
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EACH	297.790	40	11911.60
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	EACH	358.320	20	7166.40
550-4230	FLARED END SECTION 30 IN, STORM DRAIN	EACH	473.770	20	9475.40
550-4242	FLARED END SECTION 42 IN, STORM DRAIN	EACH	695.440	20	13908.80
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LIN FT	7.410	2000	14820.00
576-1010	SLOPE DRAIN PIPE, 10 IN	LIN FT	14.590	400	5836.00
610-1055	REM GUARDRAIL	LIN FT	1.020	2400	2448.00
622-1032	PRECAST CONCRETE MEDIAN BARRIER, METHOD 2	LIN FT	18.360	1000	18360.00
634-1200	RIGHT OF WAY MARKER	EACH	44.730	150	6709.50
636-0000	SIGNING AND MARKING (PER MILE)	EACH	15000.000	10.86	162900.00
641-1200	GUARD RAIL, TYPE W	LIN FT	9.460	4500	42570.00
641-3010	GUARD RAIL FOR BR, TYPE T	LIN FT	45.000	340	15300.00
641-5001	GUARD RAIL ANCHORAGE, TP 1	EACH	315.760	14	4420.64
641-5009	GUARD RAIL ANCHORAGE, TP 9	EACH	773.130	30	23193.90

643-0010	FIELD FENCE WOVEN WIRE				2.360	2000	4720.00
668-2100	DROP INLET, GP 1	1046.030	115				120293.45
668-2105	DROP INLET, GP 1, SPCL DES	2171.590	5				10857.95
668-2110	DROP INLET, GP 1, ADDL DEPTH	117.030	5				585.15
700-6001	GRASSING - COMPLETE	1200.000	120				144000.00
700-6100	ADDL GRASSING	1.050	600				630.00
700-7000	AGRICULTURAL LIME	35.930	360				12934.80
700-8000	FERTILIZER MIXED GRADE	191.870	108				20721.96
700-8100	FERTILIZER NITROGEN CONTENT	0.970	6000				5820.00
710-9000	PERMANENT SOIL REINFORCING MAT	5.600	1000				5600.00
715-2200	BITUMINOUS TREATED ROVING, WATERWAY	2.380	1000				2380.00

PARTIAL PROJECT COST = \$7,180,482.95

BRIDGES

543-1000 BRIDGE COMPLETE (3 BRIDGESITES)
WOODCOCK and ZETTEROWER BRANCHES
MANN BRANCH

543-1000 BRIDGE COMPLETE (BRIDGE OVERPASS I-16)

BOX CULVERTS

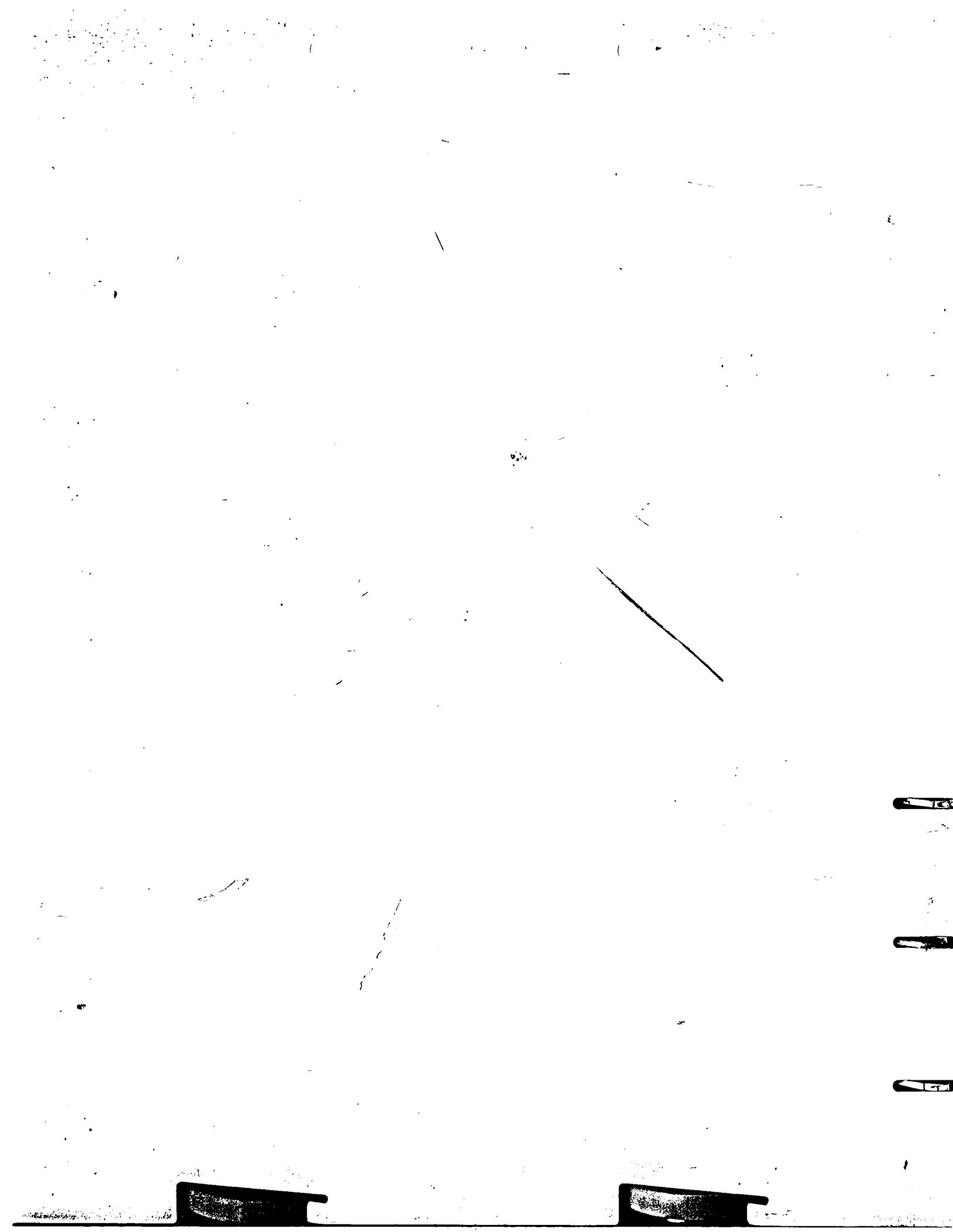
500-3101 BRIDGE CULVERTS CONCRETE

511-1000 BRIDGE CULVERT STEEL

LUMP	462000.000	1	462000.00
LUMP	396000.000	1	396000.00
LUMP	594000.000	1	594000.00
	SUBTOTAL		\$1452000.00
LUMP	69095.000	1	69095.04
LUMP	69629.320	1	69629.32
	SUBTOTAL		\$138724.36

PARTIAL PROJECT COST = \$1590724.36

TOTAL PROJECT COST = \$8,771,207.31



October 1991

To
Road Design

REQUEST
FOR

PRE-PROGRAMMING AUTHORIZATION

AUTHORIZATION IS REQUESTED TO PROCEED WITH DEVELOPMENT OF A PROJECT
CONCEPT ON THE FOLLOWING PROJECT:

PROJECT DATA

COUNTY	PROJECT No. P.I. No.	TYPE WORK	DESCRIPTION
Bulloch	FR-149-1(30) 522460 AND BHF-149-1(31) 522465	Widen & Reconstruct (4-Lanes) AND Bridge Widening Length = 10.70 Miles	S.R. 67 From I-16 (ML 6.05) to the Statesboro Bypass (ML 16.75) AND Woodcock Br. and Zetterow Br.

Fund 1 = 010
Fund 2 = MLP

PRELIMINARY

COST ESTIMATE (\$1,000's)	PROPOSED FISCAL YEAR	ROW TO BE PROVIDED BY	CONG. DIST.	FIELD DIST.
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ROW \$4,090 1996 D.O.T.

CONST. \$12,751 1997 1 5

VEEDS RATING:

SUFFICIENCY RATING: 56.9, 56.9

COMMENTS:

To add this project as requested by the Commissioner.

FR-149-1(30)	BHF-149-1(31)
P.I. #522460	P.I. #522465
ROW = 4,090,000	CST. = \$388,000
CST. = 12,368,000	Woodcock Br. I.D. #31-0024-0
	Zetterow Br. I.D. #31-0025-0

RECOMMENDED 
 DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

APPROVED 
 COMMISSIONER