ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE IM-STP-75-3(208) Whitfield County
P. I. No. 610890

OFFICE Preconstruction

DATE June 23, 2003

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

TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keepler
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Joe Palladi
Brent Story
Kent Sager
BOARD MEMBER
GERALD ROSS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

Gerald M Ross wjm

FILE IM-STP-75-3(208) Whitfield County
PI # 610890

OFFICE Road Design

DATE February 17, 2003

FROM Gerald M. Ross, P.E., State Road & Airport Design Engineer

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

SUBJECT **Revised Concept Report**

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process.

The urban typical section in the approved concept has been revised to reflect a change in the shoulder width of 10 feet to 12 feet. This change in the shoulder width is necessitated in order to accommodate the sidewalk requirements of ADA. The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation (RTP) and/or the State Transportation Improvement Program (STIP).

GMR:JLM:ss
Attachments

Marta I Rosen
State Transportation Planning Administrator

2/21/03
Date

cc: David Mulling
Kent Sager
Phillip Allen
Harvey Keepler
Percy Middlebrooks
Marta Rosen

REVISED PROJECT CONCEPT REPORT

FOR

PROJECT NUMBER: IM-STP-75-3(208) WHITFIELD COUNTY
P.I. NO. 610890

Need and Purpose: The proposed project, IM-STP-75-3(208), would correct a sight distance deficiency and future capacity deficiencies by replacing County Road C.R. 665 (Carbondale Road) bridge over I-75/S.R. 401 in Whitfield County. C.R. 665 will also be improved by the addition of two through lanes (for a total of four) from C.R. 16 to the west and S.R. 3/U.S. 41 to the east, as well as turn lanes on the bridge at the entrance to the Interstate ramps.

The proposed project will improve the sight distance on C.R. 665 over S.R. 401/I-75, thereby reducing the potential for accidents in this location that are caused by the reduced sight distance. Due to the large number of trucks using this interchange (I-75 is approximately 33% trucks in this area), the substandard sight distances and turning radii need to be improved to current standards. Future traffic volumes on C.R. 665 are projected to be 10,600 AADT to the west of the interchange, and over 13,000 east of the interchange. The forecasted level of service will be below an acceptable level at these traffic volumes. Several alternatives were considered, and these proposed improvements are a cost-effective measure to meet the future needs of this growing area, as well as assist in providing access control for future development in the area of the interchange. This I-75 bridge replacement will not impede any future widening of I-75. This project will eliminate an at-grade crossing of C.R. 16 and Norfolk Southern Railroad. The project termini are logical in that the western terminus is C.R. 16 and the eastern terminus is at S.R. 3/U.S. 41, where traffic volumes on C.R. 665 drop by 75%.

Project location: The project will begin approximately 4,000 ft (M.P. 2.19) north of the Lower Dug Gap Road/Norfolk Southern Railroad crossing. The project will extend eastward for approximately 5,300 ft (1.00 miles) on new location crossing the existing Norfolk Southern Railroad with a grade separation, continuing in an easterly direction north of the Carbondale Community to the new bridge over I-75 at the current interchange location. The alignment then continues symmetrically to the existing alignment eastward to U.S. 41/S.R. 3 and ends approximately 1,000 feet east of U.S.41/S.R. 3 intersection.

Approved Concept Description: The approved project concept consists of 2 –12 foot lanes with 10 foot rural shoulders at the beginning of the project to a point approximately 3,000 feet from the beginning, transitioning to 2 –12 foot lanes in each direction, separated by a 20 foot raised median with 10 foot urban shoulders. The urban typical section continues through the I-75 interchange to the C.R. 665/U.S. 41-S.R. 3 intersection. The urban typical section would then begin transitioning to the existing two lane rural section approximately 200 feet east of the U.S. 41/S.R. 3 intersection.

PDP Classification:

~~Full Oversight (x),~~ ~~Exempt ( ),~~ ~~SF ( ),~~ ~~Other ( )~~

Functional Classification: I-75: Rural Major Arterial
C.R.665: Rural Minor Arterial

U.S. Route Number(s): I-75 **State Route Number(s):** S.R. 3, C.R. 665

Traffic (AADT) as shown in the approved concept:

I-75:	Current Year:	72100 (2001)	Design Year:	115600 (2021)
Ramps:		1575-2875 (2001)		2500-4600 (2021)
C.R. 665:		8250 (2001)		13800 (2021)

Proposed features to be revised: The 10-ft urban shoulder to accommodate for the new A.D.A. standards for sidewalks.

Describe the revised feature(s) to be approved: The revised typical section would consist of 12-ft wide urban shoulders.

Updated traffic data (AADT):

I-75:	Current Year:	72100 (2001)	Design Year:	115600 (2021)
Ramps:		1575-2875 (2001)		2500-4600 (2021)
C.R. 665:		8250 (2001)		13800 (2021)

Programmed/Schedule:
P.E. $ 453,000/9501 R/W: $ 8,196,000/2004 Construction: $ 16,615,000/2010

Revised cost estimates:
1. Construction cost including inflation and E&C: $ 18,048,232
2. Right-of-way: $ 6,556,886
3. Utilities: L.G.P.A.

Is the project located in a Non-attainment area? No

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

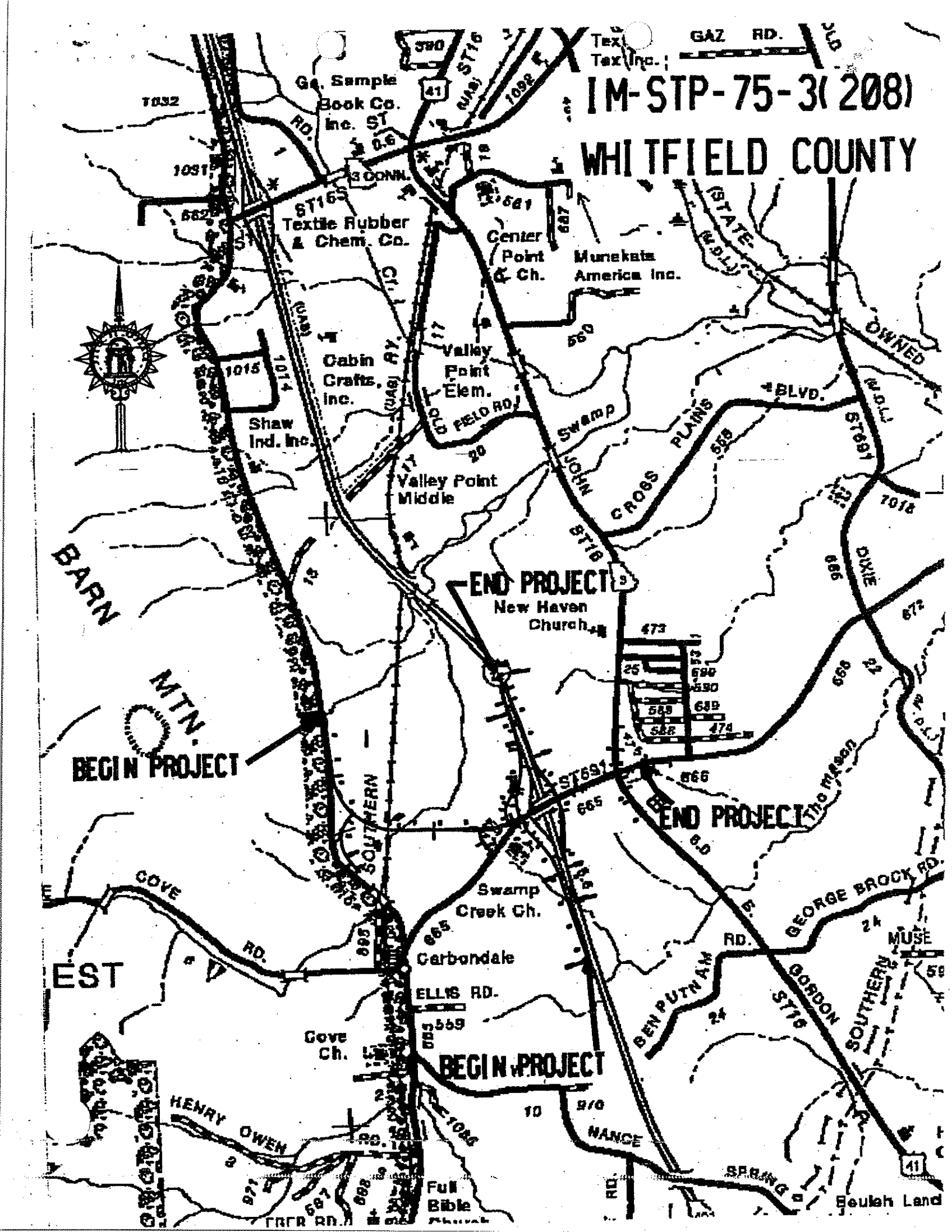
Attachments:
1. Sketch Map
2. Cost Estimate

Approval:

Concur: Thomas L. Timmons
Director of Preconstruction

Approve: Chris Hay 4/25/03
FOR Division Administrator, FHWA

Approve: H L Dorsett
Chief Engineer


IM-STP-75-3(208)
WHITFIELD COUNTY
GAZ RD.
Ga. Sample Book Co. Inc.
Textile Rubber & Chem. Co.
Center Point Ch.
Munekata America Inc.
Cabin Crafts, Inc.
Valley Point Elem.
Shaw Ind. Inc.
Valley Point Middle
FIELD RD.
Swamp
JOHN
CROSS PLAINS
BLVD.
ST691
DIXIE
OWNED
BARN
MTN.
END PROJECT
New Haven Church
BEGIN PROJECT
END PROJECT
Thompson
SOUTHERN
COVE
RD.
Swamp Creek Ch.
Carbondale
ELLIS RD.
Cove Ch.
BEGIN PROJECT
GEORGE BROCK RD.
BEN PUTNAM RD.
GORDON
ST16
SOUTHERN
MUSE
HENRY OWEN
NANCE
SPRING
Full Bible
Beulah Land
EST

COST ESTIMATE

PROJECT NUMBER: IM-STP-75-3(208) COUNTY: WHITFIELD

DATE: February 6, 2003 ESTIMATED LETTING DATE: July, 2005

PREPARED BY: Kinney Wilson PROJECT LENGTH : 1.52 MILES

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

PROJECT COST

A. RIGHT-OF-WAY:			
1. PROPERTY (LAND & EASEMENT)		$	3,910,900
2. DISPLACEMENTS; RES:1, BUS;5, M.H.:1		$	200,000
3. OTHER COST (ADM./COST, INFLATION)		$	2,445,986
	SUBTOTAL: A	**$**	**6,556,886**
B. REIMBURSABLE UTILITIES:			
1. RAILROAD		$	-0
2. TRANSMISSION LINES		$	0
3. SERVICES		$	0
	SUBTOTAL: B	**$**	**L.G.P.A.**
C. CONSTRUCTION:			
1. MAJOR STRUCTURES		$	0
a. RETAINING WALLS		$	0
b. BRIDGES (300' x 92' x $65/SF + 450' x 44' x $65/SF)		$	3,081,000
c. DETOURS BRIDGES		$	0
d. BOX CULVERTS (242 FT x $380/LF + 22 x $225/LF)		$	96,910
	SUBTOTAL: C-1	**$**	**3,177,910**

2. GRADING AND DRAINAGE:			
a. EARTHWORK (207,000 CY x $2.10/CY + 157,200 CY x $2.40/CY)			$ 811,980
b. DRAINAGE:			
1) Cross Drain Pipes (including inlets, outlets, headwalls etc.)			
18" RCP (259 FT x $26/FT + $4,000)	$ 10,734		
24" RCP (312 FT x $31/FT + $3,000)	$ 12,672		
30" RCP (94 FT x $36/FT + $1,500)	$ 4,884		
36" RCP (76 FT x $48/FT + $2,000)	$ 5,648		
42" RCP (76 FT x $59/FT + $3,000)	$ 7,484		
SUBTOTAL: C-2-b-1			$ 41,422
2) Curb and Gutter (7,200 FT x $12/FT)			$ 86,400
3) Longitudinal System:			
18" RCP (3,538 FT x $26/FT)	$ 91,988		
24" RCP (1,173 FT x $31/FT)	$ 36,363		
30" RCP (178 FT x $36/FT)	$ 6,408		
Catch basins, inlets etc. (37 x $1,500 each)	$ 55,500		
SUBTOTAL: C-2-b-3			$ 190,259
SUBTOTAL: C-2			$ **939,802**
3. BASE AND PAVING:			
a. AGGREGATE BASE: (5,870 SY x $9/SY + 72,520 SY x $11/SY + 10,560 SY x $12/SY)			$ 977,270
b. ASPHALT PAVING: Surface (11,970 TN x $37.50/TN)		$ 448,875	
Binder (15,255 TN x $37/TN)		$ 564,435	
Base (29,401 TN x $36/TN)		$ 1,058,436	
SUBTOTAL: C-3.b			$ 2,071,746
c. CONCRETE PAVING (Road: 15,520 SY + Median:10,170 SY x $34/SY)			$ 873,460
d. OTHER			$ 174,720
SUBTOTAL: C-3			$ **4,097,196**
4. LUMP ITEMS:			
a. TRAFFIC CONTROL			$ 55,000
b. CLEARING AND GRUBBING (60 acres @$50/acre)			$ 3,000
c. LANDSCAPING			$ 42,750
d. EROSION CONTROL			$ 32,500
e. DETOURS			$ 0
SUBTOTAL: C-4			$ **133,250**

5. MISCELLANEOUS:			
a. LIGHTING		$	0
b. SIGNING - STRIPING - SIGNAL		$	75,000
c. GUARDRAIL (6,100 LF x $10/LF + 6 x $1,350 + 5 x $450)		$	71,350
d. SIDEWALK (4,100 SY x $20/SY)		$	82,000
	SUBTOTAL: C-5	**$**	**228,350**
6. SPECIAL FEATURES:			
1. FIELD'S ENGINEER'S OFFICE		$	18,000
	SUBTOTAL: C-6	**$**	**18,000**

ESTIMATE SUMMARY

A. RIGHT-OF-WAY		$	6,556,886
B. REIMBURSABLE UTILITIES		$	L.G.P.A.
C. CONSTRUCTION			
1. MAJOR STRUCTURES		$	3,177,910
2. GRADING AND DRAINAGE		$	939,802
3. BASE AND PAVING		$	4,097,196
4. LUMP ITEMS		$	133,250
5. MISCELLANEOUS		$	228,350
6. SPECIAL FEATURES		$	18,000
SUBTOTAL CONSTRUCTION COST		$	8,594,508
E. & C.	10%	$	859,451
INFLATION	5% / year	$	2,037,387
NUMBER OF YEARS	4		
TOTAL CONSTRUCTION COST		$	11,491,346
GRAND TOTAL PROJECT COST		**$**	**18,048,232**

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE IM-STP-75-3(208) Whitfield County
P. I. No. 610890

OFFICE Preconstruction

DATE December 13, 1999,

1999

FROM C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT **REVISED PROJECT CONCEPT REPORT APPROVAL**

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

Tom Turner
David Mulling
David Studstill (ATTN: Harvey Keepler)
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
Jim Kennerly
Charles Law

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE IM-STP-75-3(208) Whitfield County
PI No. 610890

OFFICE Atlanta

DATE October 27, 1999

FROM James A. Kennerly, State Road & Airport Design Engineer

TO Thomas L. Turner, P.E., Director of Preconstruction

SUBJECT Revised Project Concept Report

EXISTING APPROVED CONCEPT:

The approved project IM-STP-75-3 (208) represents a major interchange improvement project at I-75 (S. R. 401) and C. R. 665 (Carbondale Road) in Whitfield County. The approved project begins along I-75 approximately 0.62 miles +/- south of C.R. 665 and extends northerly approximately 1.18 mile +/- to a point north of C. R. 665. The project would replace the existing two-lane bridge with a six-lane bridge over I-75. This bridge will have 10ft. shoulders accommodating two through lanes with a continuous left turn lane in each direction. Work along I-75 includes bridge-related construction and additional lane widening for the limits of ramp tapers for reconstruction to accommodate 1-future lane along I-75 in each direction. Additional work on the interchange will relocate and lengthen entrance and exit ramps and ramp tapers as required.

Work along C. R. 665 would begin approximately 0.75 miles west of I-75. Near the point of beginning construction will go on new location north of the existing C. R. 665 and continue easterly and rejoin the existing C.R. 665 just to the west of I-75. Work would continue across I-75 and easterly 0.5 miles +/- to the intersection of S. R. 3/U.S. 41. The typical section for the work along C.R. 665 will be two-12ft. wide lanes in each direction separated a 20ft. wide raised concrete median with 10ft. wide shoulders.

The project termini are logical in that the western terminus is a T-intersection at C. R. 16, and the eastern terminus is at S. R. 3/US 41, where traffic volumes drop by 75%.

PROPOSED CONCEPT:

The western terminus and typical section for this project will be revised as stated. The western terminus for this project would begin approximately 3000 ft. (0.57 miles) north of the Lower Dug Gap Road railroad crossing. The project will extend eastward for approximately 5200 ft. (0.98 miles) on new location crossing the existing Norfolk Southern Railroad. After crossing the railroad track with a grade separation, the project would continue in an easterly direction north of

the Carbondale Community to the proposed new bridge over I-75 at the current interchange location. The typical section from the western terminus to the relocated intersection of Carbondale Road near the interchange and Lower Dug Gap Road will transition from one-12 ft. wide lane with 10 ft. wide shoulders in each direction to two-12 ft. wide lanes in each direction separated by a 20 ft. wide raised concrete median with 10 ft. wide shoulders.

Estimated Costs: IM-STP-75-3 (208)	Proposed	Approved	Program Date
Constr. (Infl.& E&C)	$16,615,361.00	$14,050,581.00	2001-03
Right-of-Way	$ 6,556,886.00	$ 6,538,304.00	
Utilities	LGPA		

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

JAK:MJB:hcc

CONCUR: _____
Director of Preconstruction

CONCUR: _____
Chief Engineer

APPROVED: _____
Division Administrator –FHWA

APPROVED: _____
Commissioner – Georgia DOT

Attachments : Sketch Map, Cost Estimate

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: IM-STP-75-3 (208) COUNTY: WHITFIELD

DATE: OCTOBER 26, 1999 ESTIMATED LET DATE: 02-19-03

PREPARED BY: KINNEY WILSON PROJECT LENGTH: 1.24 MILES +/-

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

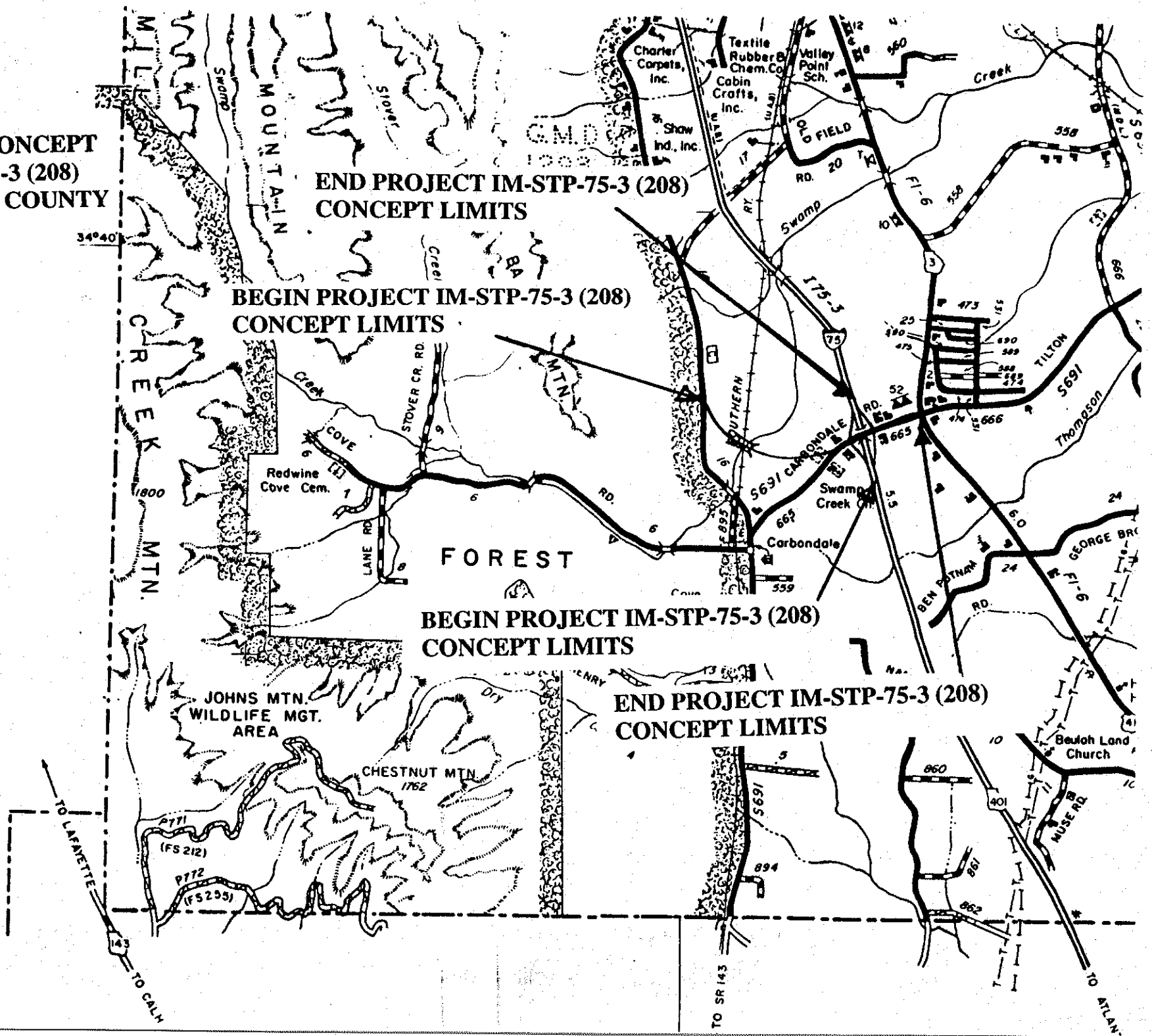
PROJECT COST	
A. RIGHT OF WAY:	
1. PROPERTY (LAND & EASEMENT)	$ 3,910,900
2. DISPLACEMENTS: RESIDENTS: 1, BUSINESSES: 5, MOBILE HOMES: 1	$ 200,000
3. OTHER COST (ADMINISTRATION COST & INFLATION	$ 2,445,986
SUBTOTAL: A	**$ 6,556,886**
B. REIMBURSABLE UTILTIES:	
1. RAILROAD	$ -O-
2. TRANSMISSION LINES	$ -0-
3. SERVICES	$ -0-
SUBTOTAL: B	**$ L.P.G.A.**
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. RETAINING WALLS	$ -0-
b. BRIDGES	$ 1,823,610
c. DETOUR BRIDGES	$ -0-
d. BOX CULVERTS	$ 50,000
SUBTOTAL: C-1	**$ 1,873,610**

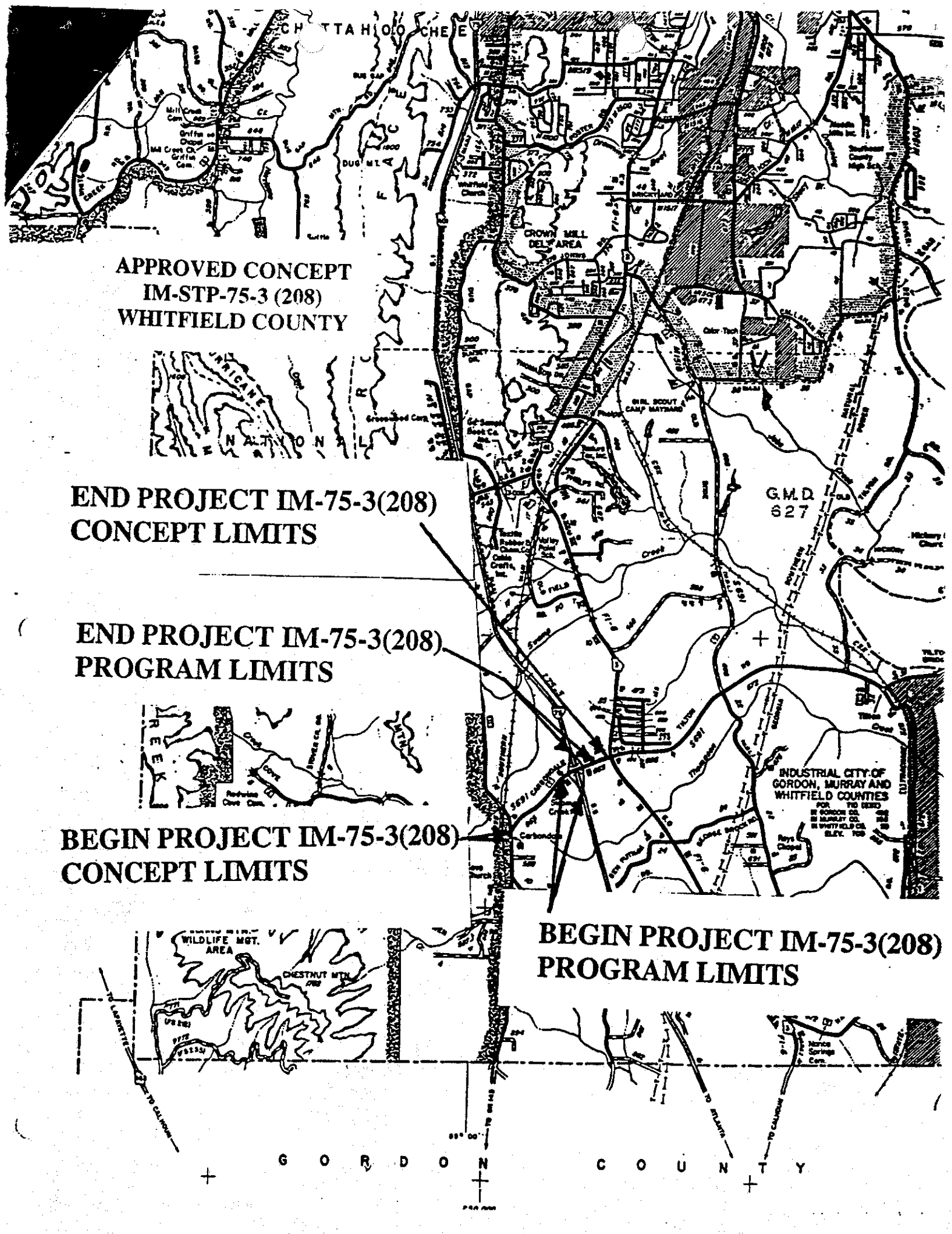
2. GRADING AND DRAINAGE		
a. EARTHWORK		$ 1,507,500
b. DRAINAGE		
1) Cross Drain pipe		$ 54,520
2) Curb and Gutter		$ 29,000
3) Longitudinal System (include catch basins)		$ 25,000
SUBTOTAL: C-2		**$ 1,616,020**
3. BASE AND PAVING		
a. AGGREGATE BASE		$ 1,488,370
b. ASPHALT PAVING: Surface		$ 338,650
Binder	$ 626,600	
Base	$ 1,076,800	
SUBTOTAL: C-3.b	$ 2,042,050	
c. CONCRETE PAVING		$ 287,550
d. OTHER		$ 174,720
SUBTOTAL: C-3		**$ 3,992,690**
4. LUMP ITEMS:		
a. TRAFFIC CONTROL		$ 99,750
b. CLEARING AND GRUBBING		$ 110,300
c. LANDSCAPING		$ 42,750
d. EROSION CONTROL		$ 30,400
e. DETOURS		$ -0-
SUBTOTAL: C-4		**$ 283,200**

PROJECT COST	
5. MISCELLANEOUS:	
a. LIGHTING	$ -0-
b. SIGNING – STRIPING – SIGNAL	$ 24,000
c. GUARDRAIL	$ 92,500
D SIDEWALK-MEDIAN BARRIER	$ -0-
SUBTOTAL: C-5	**$ 116,500**
6. SPECIAL FEATURES 1- FIELD ENGINEERS OFFICE SUBTOTAL: C-6	**$ 17,000**

ESTIMATE SUMMARY		
A. RIGHT OF WAY		$ 6,556,886
B. REIMBURSABLE UTILITIES		$ L.G.P.A
C. CONSTRUCTION		
1. MAJOR STRUCTURES	$ 1,873,600	
2. GRADING AND DRAINAGE	$ 1,616,000	
3. BASE AND PAVING	$ 3,992,690	
4. LUMP ITEMS	$ 283,200	
5. MISCELLANEOUS	$ 116,500	
6. SPECIAL FEATURES	$ 17,000	
SUBTOTAL CONSTRUCTION COST	$ 7,898,990	
E.& C. (10%)	$ 789,899	
INFLATION (5% PER YEAR)	$ 1,369,586	
NUMBER OF YEARS 4		
TOTAL CONSTRUCTION COST		$ 10,058,475
GRAND TOTAL PROJECT COST		**$ 16,615,361**

REVISED CONCEPT
IM-STP-75-3 (208)
WHITFIELD COUNTY




APPROVED CONCEPT
IM-STP-75-3 (208)
WHITFIELD COUNTY
END PROJECT IM-75-3(208)
CONCEPT LIMITS
END PROJECT IM-75-3(208)
PROGRAM LIMITS
BEGIN PROJECT IM-75-3(208)
CONCEPT LIMITS
BEGIN PROJECT IM-75-3(208)
PROGRAM LIMITS
G.M.D. 627
INDUSTRIAL CITY OF GORDON, MURRAY AND WHITFIELD COUNTIES
WILDLIFE MGT. AREA
CHESTNUT MTN.
G O R D O N C O U N T Y

PROJECT NUMBER/COUNTY: IM-STP-75-3(208) WHITFIELD

P. I. NUMBER: 610890

This project concept is contained in the Transportation Improvement Program (TIP) and/or in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the TIP and/or the STIP.

Monte V. Ross

STATE TRANSPORTATION PLANNING ADMINISTRATOR

DATE: 11/15/99

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 610890 **OFFICE** Environment/Location

DATE May 21, 1998

FROM David E. Studstill, P.E., State Environmental/Location Engineer

TO DISTRIBUTION BELOW

SUBJECT Project IM-STP-075-3(208), Whitfield County, Summary of Comments During the Public Comment Period - Proposed Reconstruction of the CR 665/Carbondale Road Interchange over I-75

COMMENT TOTALS:

A total of 135 people attended the March 12, 1998, public information meeting held for the subject project. From those attending, 59 comment forms, and 3 verbal statements were received. An additional 4 comments were received during the ten day comment period following the meeting, for a total of 66 comments. They are summarized as follows:

No. Opposed	No. In Support	Uncommitted/Conditional
*50	11	2/3

*(Includes one petition with 261 signatures and a 2nd petition with 253 signatures).

MAJOR CONCERNS:

1. A common concern was the safety of pedestrians who may attempt to cross the road and especially the children at the local school and the traffic hazards they may face in attempting to walk outside of the school area.

2. Several business owners who would be impacted were concerned about such issues as loss of accessibility, loss of ability to develop land, and significant loss of business due to the proposed median blocking access from opposite side of roadway.

3. Many of the residents were concerned that the portion of the project on new location west of I-75 would destroy the Carbondale Community because of all the residential and commercial displacements.

4. Many of the commentors were concerned that a lot of truck traffic from the SR 3 Connector/South Dalton Bypass would spillover onto CR 665/Carbondale Road and make it too congested. On the other hand, a few commentors felt that the SR 3 Connector would have the opposite effect by diverting much of the local truck traffic to the SR 3 Connector and leaving the proposed project with light truck traffic, thereby rendering it unnecessary and a waste of taxpayer dollars.

OFFICIALS:

Officials attending included the following:
Mr. Mike Babb, Chairman, Whitfield County Board of Commissioners
Mr. Leonard Whaley, Whitfield County Administrator
Mr. Mike Cowan, Commissioner, Whitfield County Board of Commissioners

DISPOSITION OF COMMENTS:

The following offices are requested to respond to the comments listed:

Road Design:	6, 7, 11, 13, 14, 16, 22, 23, 28, 29, 41, 51, 55, 59, 60, 62, 66
Right-of-Way:	8, 14, 22, 32
Traffic Operations:	2, 10, 16, 33, 34, 35, 41, 45, 61, 64, 66
Planning:	1, 5, 18, 19, 20, 24, 25, 26, 27, 31, 36, 37, 38, 62, 63, 64, 65

Please send this office copies of your responses to these comments. The Office of Environment/Location will respond to the remaining comments.

Attached is a complete transcript of the comments received during the comment period and a copy of the hearing handout. If you have any questions about the comments, please call Tony Sack at 699-4422.

DES/tms

Attachments

DISTRIBUTION: Walker Scott, Jim Kennerly, David Meshberger, Marion Waters, Charles Law, Toni Dunagan

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE IM-75-3(208) Whitfield County
P. I. No. 610890

OFFICE Preconstruction

DATE February 24, 1998

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/cj

Attachment

DISTRIBUTION:

Walker Scott
Bobby Mustin
David Studstill (ATTN: Harvey Keepler)
Jerry Hobbs
Herman Griffin
Marta Rosen (ATTN: Michael Henry)
Marion Waters
Toni Dunagan
Paul Liles
Jim Hitt (Traffic Ops)
Don Mills
Charles Law
Jim Kennerly

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE IM-75-3(208) Whitfield County
P.I. No. 610890

OFFICE Preconstruction

DATE January 5, 1998

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

TO Wayne Shackelford, Commissioner

SUBJECT **PROJECT CONCEPT REPORT**

This project is the reconstruction of the CR 665/Carbondale Road interchange over I-75 in Whitfield County. The project includes the widening, reconstruction and relocation of CR 665 from 1.2km west of I-75 to SR 3/US 41. The proposed project will improve the sight distance on CR 665 over SR 401/I-75. Future traffic volumes on CR 665 are projected to be 10,600 VPD to the west of the interchange, and over 13,000 VPD east of the interchange. The forecast level of service will be below an acceptable level at these traffic volumes. The proposed project will reconstruct the interchange to improve operational efficiency and safety. County Road 665 is currently two, 3.4m lanes with rural shoulders on 18.0m of existing right-of-way. Existing I-75 consists of three, 3.6m lanes in each direction with 4.2m rural shoulders. The existing ramps are one, 4.8m lane with 2.4m rural shoulders. The existing bridge over I-75 is 80.5m x 8.5m. Traffic estimates are as follows:

ROUTE	2001 VPD	2021 VPD
I-75	72,100	115,600
CR 665	8,250	13,800

The posted and design speeds for I-75 are 105km/h and for CR 665 are 60km/h.

The proposed project will remove and replace the existing CR 665 bridge over I-75 with a longer and wider structure to provide for increased traffic demands in the area of the proposed project. The bridge length (91.4m x 28.0m) will be designed to accommodate one future lane along I-75 in each direction. The proposed bridge will be six lanes wide; three westbound (two through and one left turn lane) and three eastbound (two through and one left turn lane). Additional work in the interchange will relocate and lengthen entrance and exit ramps and ramp tapers as required.

Construction along CR 665 will begin approximately 1.2km west of I-75. Near the point of beginning construction, the alignment will proceed on new location north of the existing CR 665 and continue easterly and tie back into CR 665 just west of I-75. The alignment will continue east

along existing CR 665 to SR 3/US 41. The proposed typical section will consist of two, 3.6m lanes in each direction with a 6.1m raised concrete median and 3.0m wide shoulders. The original portion of CR 665 remaining south of the new location will be retained and tied into the relocation at each end to serve as a local road. The relocated portion of CR 665 is required to avoid existing graves located on the north side of existing CR 665.

No design exceptions are required to implement this project. Traffic will be maintained during construction.

Environmental concerns include requiring a COE 404 permit; an Environmental Assessment will be prepared; a public hearing is required; four (4) UST sites identified; time saving procedures are not appropriate.

The estimated costs for this project are:

	PROPOSED IM	PROPOSED STP	APPROVED	PROG DATE	LET DATE
Construction (includes E&C and inflation)	$3,381,000	$4,132,000	$7,271,000	1999	99-07
Right-of-Way	$1,634,000	$4,905,000	$ 10,000		
Utilities*	LGPA		LGPA		

*Whitfield County signed LGPA for utilities 12-21-95.

This project is in the STIP. I recommend this project concept be approved.

WWS:JDQ/cj

Attachment

CONCUR _____
Frank L. Danchetz, P.E., Chief Engineer

APPROVE _____
for Larry R. Dreihaup, Division Administrator, FHWA

APPROVE _____
Wayne Shackelford, Commissioner

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

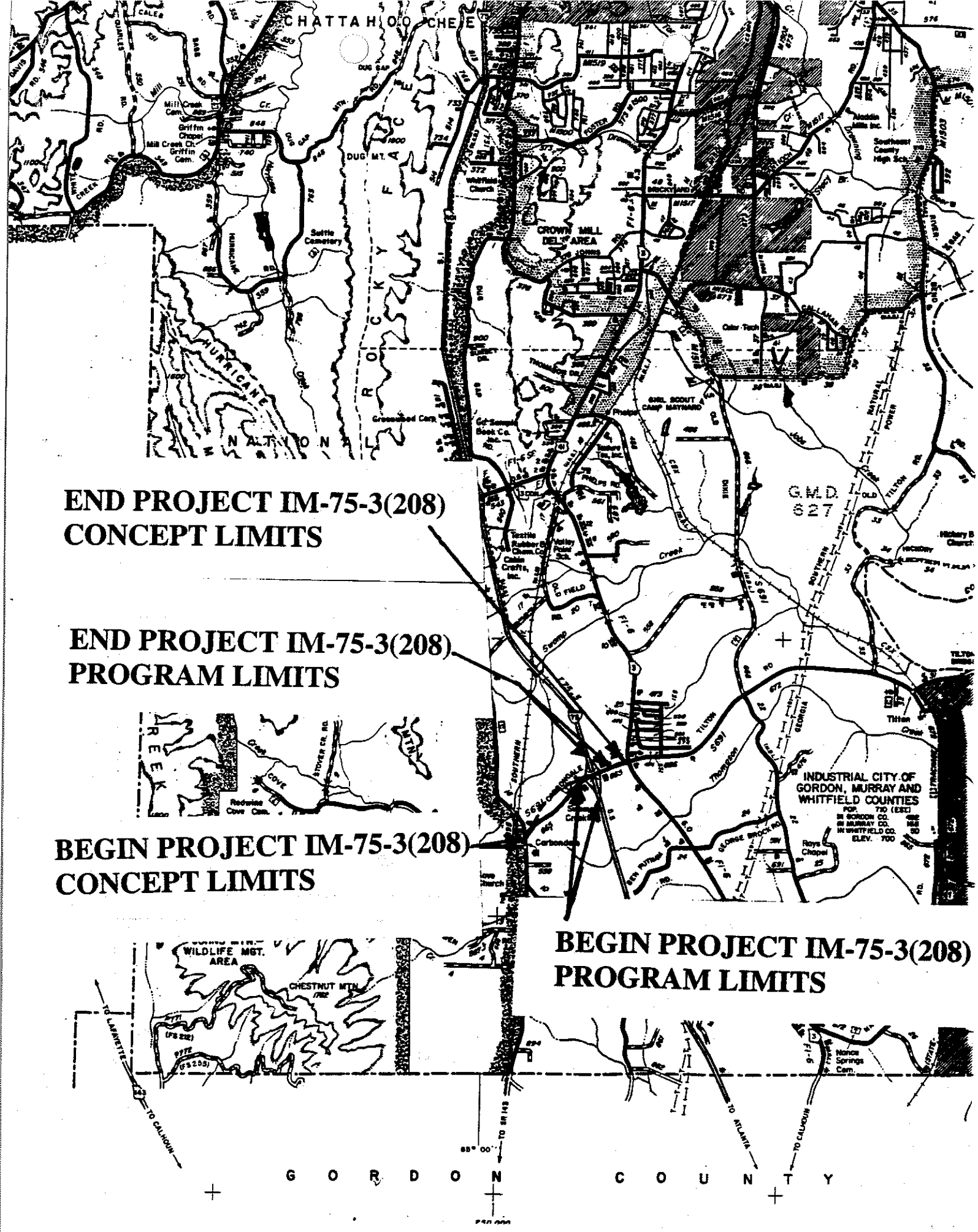
PROJECT CONCEPT REPORT

IM-75-3(208)
WHITFIELD COUNTY

FEDERAL ROUTE NO: I-75
STATE ROUTE NO: 401
GADOT P.I. NO: 610890

Date of Report: August 18, 1997

RECOMMENDATION FOR APPROVAL	
8/22/97 DATE	State Road & Airport Design Engineer
DATE	State Environmental Engineer
DATE	State Traffic Operations Engineer
DATE	District Engineer
DATE	State Bridge Engineer
DATE	Project Review Engineer


CHATTAHOOCHEE
ROCKY FACE
NATIONAL
CROWN MILL DEL. AREA
G.M.D. 627
INDUSTRIAL CITY OF GORDON, MURRAY AND WHITFIELD COUNTIES
WILDLIFE MGT. AREA
CHESTNUT MTN.
GORDON COUNTY
END PROJECT IM-75-3(208) CONCEPT LIMITS
END PROJECT IM-75-3(208) PROGRAM LIMITS
BEGIN PROJECT IM-75-3(208) CONCEPT LIMITS
BEGIN PROJECT IM-75-3(208) PROGRAM LIMITS

PROJECT LOCATION & DESCRIPTION

Project IM-STP-75-3(208) is an interchange improvement project at I-75 (S.R.401) and C.R. 665 (Carbondale Road) in Whitfield County.
The project begins along I-75 approximately 1.0 km +/- (0.62 mi +/-) south of C.R. 665 and extends northerly approximately 1.9 km (1.18 mi) to a point north of C.R.665. Work along I-75 includes bridge related construction under the bridge and additional lane widening for the limits of ramp tapers. Reconstruction to accommodate one future lane along I-75 in each direction. Additional work in the interchange will relocate and lengthen entrance and exit ramps and ramp tapers as required.

Work along C.R. 665 will begin approximately 1.2 km +/- (0.75 mi) west of I-75. Near the point of beginning construction will go on new location north of the existing C.R. 665 and continue easterly and rejoin the existing C.R. 665 just to the west of I-75. Work will continue across I-75 and easterly 0.8 km +/- (0.50 mi +/-) to the intersection of SR 3/US 41. The project proposes a new six lane bridge with 3 m (10ft) wide shoulders accommodating two through lanes with a continuous left turn lane in each direction. Project work will also include intersection improvements as conditions require. The original portion of C.R. 665 remaining south of the new location will be retained and tied into the relocation at each end to serve as a local road. The relocated portion of C.R. 665 is required to avoid existing graves located on the north side of C.R. 665. Access roads will be relocated to provide access to Carbondale Road. Curb and Gutter may be used along C.R. 665 to minimize the impact on the right of way.
PROJECT LENGTH: I-75 1.9 Kilometers +/- (1.18 miles)
C.R. 665 2.0 Kilometers +/- (1.24 miles)

TRAFFIC

	CURRENT		PROJECTED	
ROADWAY	YEAR	AADT	YEAR	AADT
I-75	2001	72100	2021	115600
Ramps	2001	1575-2875	2021	2500-4600
C.R. 665	2001	8250	2021	13800

ROADWAY	PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
I-75	Major	Rural Major Arterial
C.R.665	Major	Rural Minor Arterial

NON-CA (X)	CA ()	EXEMPT ()	N/A ( )

PROJECT NEED & PURPOSE

The proposed project, IM-STP-75-3(208), would correct a sight distance deficiency and future capacity deficiencies by replacing the C.R. 665(Carbondale Road) bridge over I-75/S.R. 401 in Whitfield County. County Road 665 will also be improved by the addition of two through lanes(for a total of four) from C.R. 16 to the west and S.R. 3/U.S. 41 to the east, as well as turn lanes on the bridge at the entrance to the Interstate ramps.

The proposed project will improve the sight distance on C.R. 665 over S.R. 401/I-75, thereby reducing the potential for accidents in this location that are caused by the reduced sight distance. Due to the large number of trucks using this interchange(I-75 is approximately 33% trucks in this area), the substandard sight distances and turning radii need to be improved to current standards. Future traffic volumes on C.R. 665 are projected to be 10,600 AADT to the west of the interchange, and over 13,000 east of the interchange. The forecasted level of service will be below an acceptable level at these traffic volumes. Several alternatives were considered, and these proposed improvements are a cost-effective measure to meet the future needs of this growing area, as well as assist in providing access control for future development in the area of the interchange. This bridge project will not impede any future widening of I-75. The project termini are logical in that the western terminus is at C.R. 16, a T-intersection and the eastern terminus is at S.R. 3 /U.S. 41, where traffic volumes on C.R. 665 drop by 75%.

EXISTING ROADWAY

TYPICAL SECTION:(I-75) Three 3.6 m (12ft.) Lanes in each direction with 4.2 m (14 +/- ft) rural shoulders.	R/W WIDTH: Variable
RAMPS: One 4.8 m (16 ft) lane with 2.4 m (8 +/- ft) rural shoulders.	R/W WIDTH: Variable
C.R. 665: Two 3.4 m +/- (11 +/- ft) lanes with 0.9 +/- m (3 ft) rural shoulders.	R/W WIDTH:18 m +/- (60 ft+/-)

POSTED SPEED	MIN RADIUS OF CURVE	MAXIMUM GRADE
105 km/h (I-75)	1746 m (5729.578 ft)	2.0%
Ramps Unposted	145.5 m (475.7 ft)	Exit 5% Up Entrance 7.6%Down
60-70 km/h (C.R. 665)	230 m (754.6 ft)	2.59%

MAJOR STRUCTURES:

1. Two lane bridge (80.5 m (264ft)x 8.5 m (28 ft))
2. 1.5m (5 ft.) x 1.2m (4 ft.) culvert

PROPOSED ROADWAY

TYPICAL SECTION: (I-75) Three 3.6 m (12 ft) wide lanes with rural shoulders (lane widening for future 4th lane in each direction adjacent to ramp taper reconstruction only).

TYPICAL SECTION: (I-75 ramps) One 4.8m (16 ft) wide lane with rural shoulders

TYPICAL SECTION: CR 665 (Carbondale Road) Two 3.6 m (12 ft) wide lanes in each direction with a 6.0 m wide raised concrete median with 3.0 m (10 ft) wide shoulders.

DESIGN SPEED	MIN RADIUS OF CURVE	MAX GRADE
105 km/h (70mph) (I-75)	ALLOWABLE: 1746 m (5728.3 ft)	ALLOWABLE: 2.00 %
Ramps Unposted	PROPOSED: 145.5 m (477.5ft)	PROPOSED: Exit 5%Up Entrance 7.6% Down
60 km/h (35 mph) (C.R. 665)	ALLOWABLE: 135 m (442.9 ft)	ALLOWABLE: 10.00 %
	PROPOSED: 235 m (771.0 ft)	PROPOSED: 3.00 %

MAJOR STRUCTURES:
1.28.0 m (92 ft.) Wide x 91.4 m (300 ft.) Length

2. Extend Culvert-1.5 m (5 ft.) x 1.2 m (4 ft.)

PROPOSED RIGHT OF WAY

R/W WIDTH	DISPLACEMENTS
I-75 and Ramps: Variable	RES: 7 BUS: 4 M.H.: 8
C.R. 665 42 m (140 ft.)	

TYPE OF ACCESS CONTROL: I-75 and Ramps limited Access. C.R. 665 by Driveway Permit

NUMBER OF PARCELS: 50

COORDINATION

CONCEPT TEAM MEETING DATE: 7-10-97

LOCATION INSPECTION DATE: NONE

PERMITS REQUIRED (4f,COE,404,etc.): (404)Nationwide

LEVEL OF PUBLIC INVOLVEMENT: Public Hearing

TIME SAVING PROCEDURES APPROPRIATE: NO

OTHER PROJECT IN THE AREA: NH-STP-75-3(181)

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: Yes, stage construction is required.

LEVEL OF ENVIRONMENTAL ANALYSIS: Environmental Assessment

DESIGN VARIATIONS REQUIRED:

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

UNDERGROUND STORAGE TANKS: Four possible sites

HAZARDOUS SITES: No known sites

ALTERNATIVES CONSIDERED

1. No Build
2. 3 lane section

ESTIMATED COST

CONSTRUCTION:	$5,710,560	RIGHT-OF-WAY:	$6,538,304
E & C (10%) :	$571,056	ACQUIRED BY :	D.O.T.
INFLATION :	$1,230,661	UTILITIES :	$ LGPA
		ADJUSTED BY :	
TOTAL CONSTRUCTION COST:		$14,050,581	

COMMENTS: Funding for this project should be divided so that the interchange and ramp work would be funded with "IM" funds and the remaining work on Carbondale Rd. to be funded with "STP"funds. The funding breakdown would be 45% "IM" funds and 55% "STP" funds.

ATTACHMENTS: Typical Sections, Board Approved Preprogramming Authorization Letter, Cost Estimate, L.G.P.A. and Concept Team Meeting Minutes

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: IM-STP-75-3(208) COUNTY: WHITFIELD

DATE: June 5, 1997 ESTIMATED LETTING DATE:

PREPARED BY: Kinney Wilson PROJECT LENGTH : 2.0 kilometers +/- (1.24 miles +/-)

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

PROJECT COST	
A. RIGHT-TO-WAY:	
1. PROPERTY (LAND & EASEMENT)	$3,708,750
2. DISPLACEMENTS; RES:7, BUS;4, M.H.:8	$390,500
3. OTHER COST (ADM./COST, INFLATION)	$2,439,054
SUBTOTAL:A	$6,538,304
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	$0
2. TRANSMISSION LINES	$0
3. SERVICES	$0
SUBTOTAL:B	$ L.G.P.A.

PROJECT COST		
C. CONSTRUCTION:		
1. MAJOR STRUCTURES		$0
a. RETAINING WALLS		$0
b. BRIDGES (300' x 92' x $50/SF)		$1,380,000
c. DETOURS BRIDGES		$0
d. BOX CULVERTS		$50,000
SUBTOTAL:C-1		$1,430,000
2. GRADING AND DRAINAGE:		
a. EARTHWORK (150,000 m3 x $6.76)		$1,015,000
b. DRAINAGE:		
1) Cross Drain Pipe (200 m x $94)		$18,800
2) Curb and Gutter (300 m x $33.7)		$10,000
3) Longitudinal System(include catch basins)		$25,000
SUBTOTAL:C-2		$1,068,800
3. BASE AND PAVING:		
a. AGGREGATE BASE (48,900 Mg X $18.63)		$911,000
b. ASPHALT PAVING: Surface (7270 Mg x $34.4)	$250,100	
Binder (13810 Mg x $33.5)	$462,635	
Base (23900 Mg x $33.2)	$793,500	
SUBTOTAL:C-3.b		$1,506,235
c. CONCRETE PAVING (Median 8000 m2 x $42)		$336,000
d. OTHER (concrete 1330 m2 x $35) + (tack coat 61096 l x .18)		$156,522
SUBTOTAL:C-3		$2,909,760

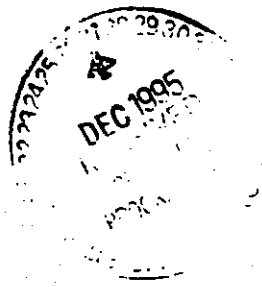
PROJECT COST	
4. LUMP ITEMS:	
a. TRAFFIC CONTROL	$75,000
b. CLEARING AND GRUBBING	$70,000
c. LANDSCAPING	$25,000
d. EROSION CONTROL	$20,000
e. DETOURS	$0
SUBTOTAL:C-4	$190,000
5. MISCELLANEOUS:	
a. LIGHTING	$0
b. SIGNING - STRIPING - SIGNAL	$20,000
c. GUARDRAIL	$75,000
d. SIDEWALK - MEDIAN BARRIER	$0
SUBTOTAL:C-5	$95,000
6. SPECIAL FEATURES_Field Eng. Office SUBTOTAL:C-6	$17,000

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY		$6,538,304
B. REIMBURSABLE UTILITIES	$	L.G.P.A.
C. CONSTRUCTION		
1. MAJOR STRUCTURES	$1,430,000	
2. GRADING AND DRAINAGE	$1,068,800	
3. BASE AND PAVING	$2,909,760	
4. LUMP ITEMS	$190,000	
5. MISCELLANEOUS	$95,000	
6. SPECIAL FEATURES	$17,000	
SUBTOTAL CONSTRUCTION COST	$5,710,560	
E. & C. (10%)	$571,056	
INFLATION (5% PER YEAR)	$1,230,661	
NUMBER OF YEARS | 4		
TOTAL CONSTRUCTION COST		**$7,512,277**
GRAND TOTAL PROJECT COST		**$14,050,581**

Whitfield County

Board Of Commissioners

Rec'd 12-27



Board Members
Herb Martin, Chairman
C.G. (Pat) Hicks
Ray Nealey
Debby Peppers
Jim L. Smith

December 21, 1995

Herman T. Griffin, P.E.
State Transportation Programming Engineer
Georgia Department of Transportation
#2 Capitol Square, S.W.
Atlanta, GA 30334-1002

Dear Mr. Griffin:

Enclosed is the Local Government Project Agreement (Project No. IM-75-3 [208] for Whitfield County, PI No. 610890. This project is for the interchange at I-75 and Carbondale Road.

Should you need additional information, please contact me.

Sincerely,

Herb E. Martin /LE

Herb E. Martin, Chairman
Board of Commissioners

HEM/le

Enclosure

P.O. Box 248 • Dalton, Georgia 30722-0248 • (706) 275-7500 • Fax (706) 275-7501

WAYNE SHACKELFORD
COMMISSIONER

FRANK DANCHETZ
CHIEF ENGINEER

Department of Transportation
State of Georgia
2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

G CHARLES LEWIS
DEPUTY COMMISSIONER

ARTHUR A. VAUGHN
TREASURER

October 31, 1995

LOCAL GOVERNMENT PROJECT AGREEMENT

n consideration of the proposed improvements, the County of WHITFIELD grees to provide or perform the following at no cost to the Georgia D.O.T. or project IM-75-3(208), PI # 610890, WHITFIELD County:

RECONSTRUCTION / REHABILITATION / INTERCHANGE - SR 401
I-75 INTERCHANGE AT CARBONDALE ROAD/CR 665

[ ] Provide all rights-of-way and/or easements needed for the construction of roject and remove existing structures or obstructions within the rights-of-way.

[X] Make all utility relocations, adjustments or betterments of publicly owned tilities that are in conflict with construction of this project. Reimburse eorgia D.O.T. for any damages paid to the contractor for delay of construction aused by a delay in relocating the publicly owned utilities.

[X] Relocate or adjust all privately owned utilities to clear construction of his project, including adjustments at railroad crossings if required.

[ ] Furnish detours, local borrow & waste pits as needed.

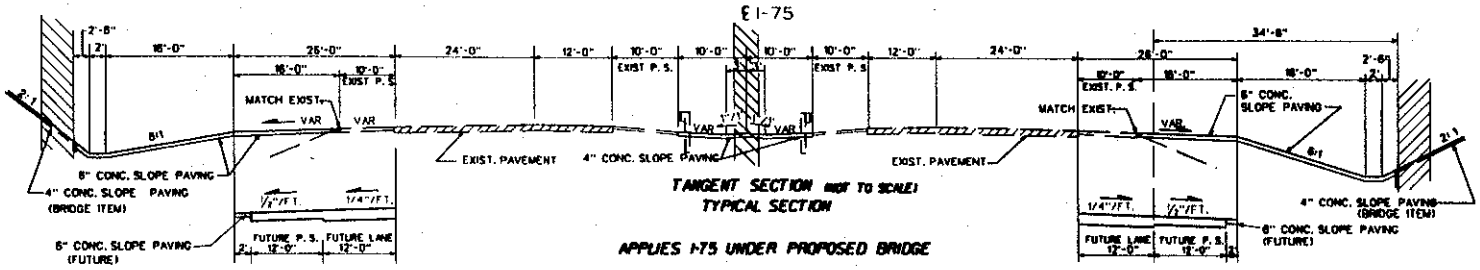
[ ] We support this project but choose not to commit any funding, realizing his may delay the project until additional funding can be found.

his _____ day of _____, 19_____

PPROVED _____
City/County Official

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	◆◆◆◆◆◆◆◆◆◆◆◆	4	

TYPICAL GRADING AND PAVING SECTION FOR I-75



NOTE: SEE PLANS FOR GUARDRAIL REPLACEMENT IN MEDIAN AND LIMITS OF SLOPE PAVING.

TYPICAL GRADING AND PAVING SECTION
RAMPS

(NO SCALE)

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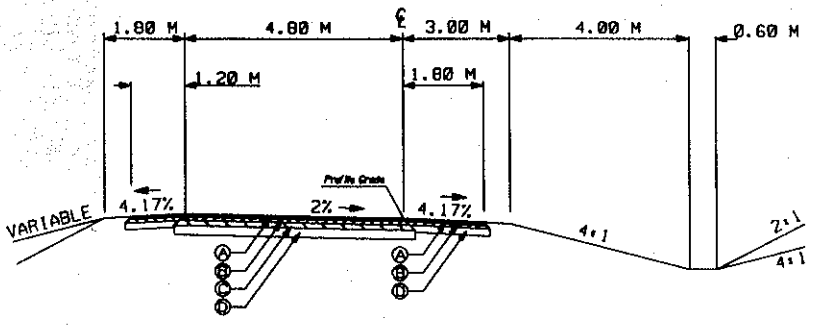

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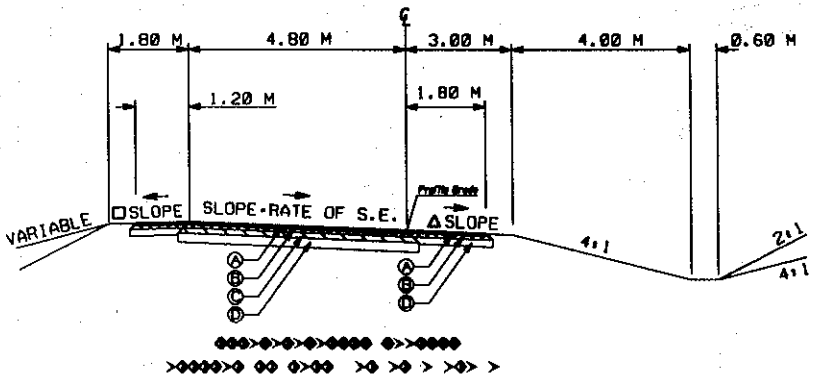

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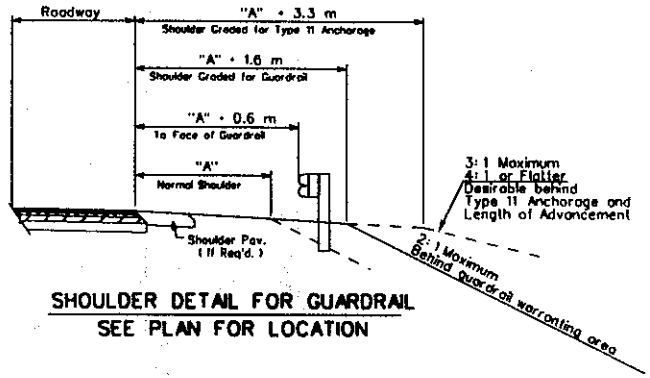
TYPICAL SECTIONS
(M-75-3(208) WHITFIELD COUNTY
P.I. 610890
SHEET-2
NO SCALE

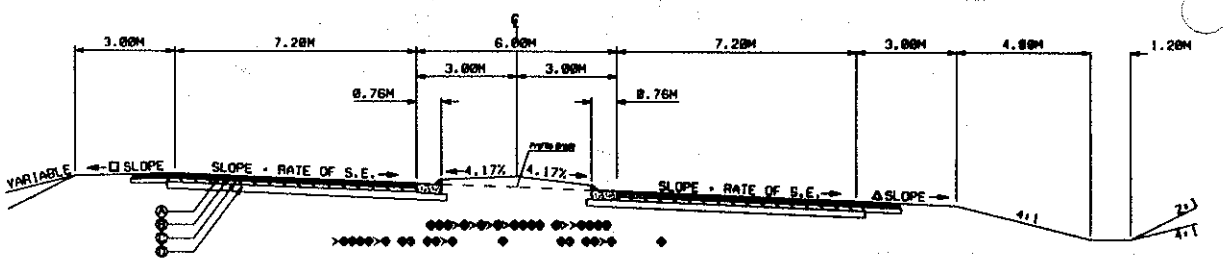
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	[illegible]	[illegible]	



SHOULDER DETAIL FOR GUARDRAIL
SEE PLAN FOR LOCATION

SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-1.83 m	0-3.05 m
3:1	1.83 m-3.05 m	--
2:1	OVER 3.05 m	*OVER 3.05 m

* REQUIRES GUARDRAIL



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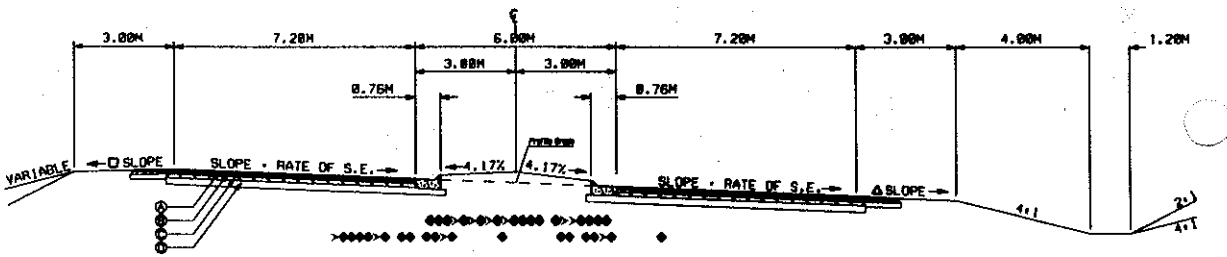

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 6.6% OR GREATER	SECTION WITH GRADES LESS THAN 6.6%
1.56 % - MINIMUM	1.56 % - MINIMUM
2.08 % - DESIRABLE	2.08 % - DESIRABLE
2.60 % - MAXIMUM	3.08 % - MAXIMUM

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

TYPICAL SECTIONS
IM-75-3(200) WHITFIELD COUNTY
P.I. 610890
SHEET-1
NO SCALE

MONTH: FEBRUARY 1993

11-15-93

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. P.I. No.	Type Work
WHITFIELD	IM-75-3(208) 610890	RECST. OR REHAB. INTERCHANGE

Description: I-75 INTERCHANGE AT CARBONDALE ROAD/CR 665

Project Length = 0.00 Miles

FUNDING INFORMATION

Estimated Cost ($1,000's)	DOT Share	Other Share	Fiscal Year	Cong. District	Field District
PE $16			1997		
ROW $10			LR	9	6
CONST $535	$535	$0	LR		

Fund 1 = 04M
Fund 2 = 04M

REASON FOR REVISION:

Requested by the S.H.I.P Committee

RECOMMENDED _____
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

APPROVED _____
COMMISSIONER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE IM-75-3 (208), Whitfield County
P.I. No. 610890

OFFICE Road Design
Atlanta, Georgia

DATE July 10, 1997

FROM James Kennerly State Road & Airport Design Engineer

TO Distribution Below

SUBJECT Minutes of Concept Team Meeting

The concept team meeting was held July 10, 1997 in the Road Design conference room. Indivuals present were Ron Braziel, Ray Metts, W. Paul Simmons, Steve Carter, Ken Estes, David Mulling, Andy Rikard, Tony Sack, Keith W. Sinclair / FHWA, Jim Hullett, Janet Harvey, Jason McCook, Kinney Wilson and Stan Peteet.

- The project IM-75-3 (208) was originally identified as an interchange improvement project on I-75 (S.R. 401) and C.R.665 (Carbondale Road) in Whitfield County. However, upon further evaluation and based on capacity studies, it is recommended that the additional widening along C.R. 665 be added to the initial interchange improvement.

- On I-75 the project will begin 1.0 km +/- south of C.R. 665 and continue northerly 0.9 km +/- north of C.R. 665. The project will make provisions for a future lane on I-75 (in each direction) and lengthen the entrance and exit ramps as well as the ramp tapers.

- On C.R. 665 the project will begin 1.2 km +/- west of I-75 ramps and continue easterly 0.8 km +/- east of the I-75 ramps. The project will replace the existing two lane Carbondale Road over I-75 with a four lane bridge. The four lane bridge will have two-through lanes in each direction with a six meter (20 ft.) raised median with left turn lanes provided. Access roads were shown providing alternative access to Carbondale Road, and should be justified during Right-of-Way negotiations.

General Discussion:

- Design stated the proposed alignment must be modified to avoid 6 - 8 graves or have them relocated. This will be evaluated and revised layouts will be prepared as needed.

- Traffic Operations asked if the proposed ramps could be moved out. Road Design responded, the area around the ramps is developed so if the ramps were moved out these businesses would be damaged or total takes.

- Traffic operations recommended the removal of the raised median from the bridge and widen the bridge by 1.2 meters (4 feet) to provide dual left turn lanes.

- Traffic Operations recommended traffic signals to be installed at the Intersection of C.R. 16 and C.R 665, the median crossover at Swamp Creek Church and at the exit/entrance ramp intersection. The traffic signal at the intersection C.R. 665 and S.R. 3 will also need to be upgraded. At the intersection of C.R. 665 and S.R. 3, it was advised to look at aligning the left turn lanes.

- FHWA commented that the project was a NON-CA project instead of being a CA project.

- FHWA asked if lighting would be provided on the project.

- Lighting will be considered, if Whitfield County will accept the responsibility for the Utility and Maintenance costs associated with the lighting.

- FHWA Stated the project should be funded with "IM and STP" funds.

- Engineering Services asked if the Existing Pavement could be saved. The answer was the Existing Pavement would probably be removed because of its deficient load carrying capacity and the increase of truck traffic in the future.

- A cost estimate for utility adjustments was received from the District Utilities Office
- The District Utility Office will be asked to provide estimates for alternate routes.
- The L.G.P.A. will need to resubmitted to extend the project limits from west of CR 16 to east of the S.R. 3/C.R. 665 intersection.
- The project description will need to be revised to include the work from C.R. 16 to S.R. 3.
- The project will need to be funded with "IM" and "STP" funds.
- Carbondale Road will need to be assigned a temporary State Road Number.
- The project will have curb and gutter at spot locations to minimize impact on adjacent properties.
- A Public Information Meeting will be required.
- The Planning Office has provided a "Need Purpose Statement".
- Accident history has been received from Traffic Operations.
- UST investigation has been requested.
- Environmental will rush their studies.
- Layouts showing alternate routes will be provided.
- Location will need to enhance or survey Carbondale Road (C.R. 665) West of DugGap Road (C.R. 16).

JAK:**GRM**:crm
Attachments

DISTRIBUTION:

FHWA, w/attach. & plans
Frank Danchetz
Walker Scott
Marion Waters
Steve Henry
Tom Turner
Dudley Ellis
Toni Dunagan
David Studstill/Tony Sack, w/plans
David Meshberger, w/plans
Wouter Gulden
Paul Liles
Herman Griffin
Bob Mustin
Charles Law, Dist. 6 District Engineer
Charles Law/Jim Hullett, w/plans
Charles Law/Cathy Spradley, w/plans
Charles Law/Joe Fletcher, w/plans
Charles Law/David Black, w/plans

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

PROJECT CONCEPT REPORT

IM-75-3(208)
WHITFIELD COUNTY

FEDERAL ROUTE NO: I-75
STATE ROUTE NO: 401
GADOT P.I. NO: 610890

Date of Report: August 18, 1997

RECOMMENDATION FOR APPROVAL

8/22/97	
DATE	**State Road & Airport Design Engineer**
DATE	**State Environmental Engineer**
DATE	**State Traffic Operations Engineer**
DATE	**District Engineer**
9/3/97	
DATE	**State Bridge Engineer**
DATE	**Project Review Engineer**

PROPOSED ROADWAY

TYPICAL SECTION: (I-75) Three lanes(12.6m) with 4.2 m (3.0 m paved) shoulders

TYPICAL SECTION: (I-75 ramps) One lane (4.8m) with 4.2 m (3.0 m paved) shoulders

TYPICAL SECTION: (Carbondale Road)Four Lane with 6.0 m wide raised concrete median with rural 3.0 m wide shoulders

DESIGN SPEED	MIN RADIUS OF CURVE	MAX GRADE
105 km/h(I-75)	ALLOWABLE: 498 m	ALLOWABLE: 9.00 %
	PROPOSED: 800 m	PROPOSED: 3.00 %
70 km/h(C.R. 665)	ALLOWABLE: 175 m	ALLOWABLE: 6.00 %
26.8 m (88 ft) MC 9/3/97	PROPOSED: 235 m	PROPOSED: 3.00 %

MAJOR STRUCTURES:

1. 20.4m(68 ft.) Wide x 74m(243 ft.) Length

2. Extend Culvert-1.5m(5 ft.) x 1.2m(4 ft.)

PROPOSED RIGHT OF WAY

R/W WIDTH

variable I-75

42m(140 ft.) C.R. 665

DISPLACEMENTS

RES: 7 BUS: 4 M.H.: 8

TYPE OF ACCESS CONTROL: Limited Access/By Driveway Permit

NUMBER OF PARCELS: 50

COORDINATION

CONCEPT TEAM MEETING DATE: 7-10-97

LOCATION INSPECTION DATE: NONE

PERMITS REQUIRED (4f,COE,404,etc.): (404)Nationwide

LEVEL OF PUBLIC INVOLVEMENT: Public Hearing

TIME SAVING PROCEDURES APPROPRIATE: NO

OTHER PROJECT IN THE AREA: IM-NH-75-3(181)

Department of Transportation
State of Georgia

RECEIVED
SEP 13 1997
PRECONSTRUCTION

INTERDEPARTMENTAL CORRESPONDENCE

File: IM-75-3 (208), Whitfield Co.
P.I. No. 610890

Office: Traffic Operations
Atlanta, Georgia
Date: September 5, 1997

From: M.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 Carbondale Rd. from two lanes to four lanes with a 6 m raised median from CR 16 to SR 3/ US 41. This concept also calls for the replacement of the Carbondale Rd. bridge over I-75. The proposed bridge width shown in the concept report is 20.4 m (68 ft.), this needs to be revised to include the width of the shoulders that will be constructed on the bridge. While we believe this concept will improve safety and operational capacity along this section of roadway, we recommend replacing the 6 m raised median on the bridge with two 3.6 m parallel left turn lanes. The replacement of the median would provide for left turn storage for the entire length of the bridge. With this we find this report satisfactory for approval.

MGW:CKE

Attachment (signature page)

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

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

PROJECT CONCEPT REPORT

IM-75-3(208)
WHITFIELD COUNTY

FEDERAL ROUTE NO: I-75
STATE ROUTE NO: 401
GADOT P.I. NO: 610890

Date of Report: August 18, 1997

RECOMMENDATION FOR APPROVAL

8/22/97	
DATE	**State Road & Airport Design Engineer**
DATE	**State Environmental Engineer**
9-15-97	M G Waters III P MA
DATE	**State Traffic Operations Engineer**
DATE	**District Engineer**
DATE	**State Bridge Engineer**
DATE	**Project Review Engineer**

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

PROJECT CONCEPT REPORT

IM-75-3(208)
WHITFIELD COUNTY

FEDERAL ROUTE NO: I-75
STATE ROUTE NO: 401
GADOT P.I. NO: 610890

Date of Report: August 18, 1997

RECOMMENDATION FOR APPROVAL

8/22/97	
DATE	**State Road & Airport Design Engineer**
DATE	**State Environmental Engineer**
DATE	**State Traffic Operations Engineer**
10/27/97	
DATE	**District Engineer**
DATE	**State Bridge Engineer**
DATE	**Project Review Engineer**

PROJ. NO. IM-75-3(208)

COUNTY Whitfield

P.I. NO. 610890

PROJECT SCHEDULE 1996

LENGTH 0.00 mi.

R/W PARCELS

DESC Car

ACTIVITY/EVENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
	JAN					FEB				MAR				APR					MAY				JUNE				JULY					AUG				SEP		
	1	8	15	22	29	5	12	19	26	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16
CONCEPT PHOTOS																																						
DEFINE CONCEPT/REPORT																																						
HOLD CONCEPT MEETING																																						
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HOLD PUBLIC HEARING																																						
FINAL ALTERNATE APPROVAL																																						
PHOTOGRAMMETRY (MAPPING)																																						
FIELD SURVEYS																																						
PREL. CONST./R.W. PLANS																																						
FINAL CONST. PLANS																																						
HOLD DESIGN FPR																																						
PREL. BRIDGE LAYOUT/HYDRAULICS																																						
BRIDGE STRUCTURAL DESIGN																																						
MAKE R/W																																						
APPROVE R/W PLANS																																						
R/W AUTHORIZATION																																						
APPRAISAL OF PARCELS																																						
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ACQ. OF R/W BY LOCALS																																						
CERTIFY R/W																																						
EARLIEST LET DATE																																						
SOIL SURVEY																																						
BFI																																						

Approved: Fra
Dist. S

Pg. 1 of 2

PROJECT NO. IM-75-3(208)

COUNTY Whitfield

P.I. NO. 610890

PROJECT SCHEDULE 1997

LENGTH 0.00 mi.

R/W PARCELS

DESC

ACTIVITY/EVENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
	JAN				FEB				MAR					APR				MAY				JUNE					JULY				AUG				SEP			
	6	13	20	27	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	1	8	15	22
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MONTH: FEBRUARY 1993

Hall

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. P.I. No.	Type Work
WHITFIELD	IM-75-3(208) 610890	RECST. OR REHAB. INTERCHANGE

Description: I-75 INTERCHANGE AT CARBONDALE ROAD/CR 665

Project Length = 0.00 Miles

FUNDING INFORMATION

Estimated Cost ($1,000's)		DOT Share	Other Share	Fiscal Year	Cong. District	Field District
PE	$16			1997		
ROW	$10			LR	9	6
CONST	$535	$535	$0	LR		

Fund 1 = 04M
Fund 2 = 04M

REASON FOR REVISION:

Requested by the S.H.I.P Committee

NEW RIDGE
COLLINS
RIVER
BEND
Southeast County High Sch.
Aladdin Mills Inc.
Hickory Bend Church
TILTON BRIDGE
G.M.D. 627
DIXIE
GIRL SCOUT CAMP MAYNARD
Color Tech
CROWN MILL DEL. AREA
DUG
GAP
Whitfield Church
CHATTAHOOCHEE
Suttle Cemetery
Textile Rubber & Chem. Co.
Cabin Crafts, Inc.
G.M.D. 1293
HURRICANE
MIDDLE MOUNTAIN
BABB
QUARLES
Stover
Swamp
Creek

MONTH: FEBRUARY 1993

ROAD DESIGN

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. P.I. No.	Type Work
WHITFIELD	IM-75-3(208) 610890	RECST. OR REHAB. INTERCHANGE

Description: I-75 INTERCHANGE AT CARBONDALE ROAD/CR 665

Project Length = 0.00 Miles

FUNDING INFORMATION

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PE	$16			1997		
ROW	$10			LR	9	6
CONST	$535	$535	$0	LR		

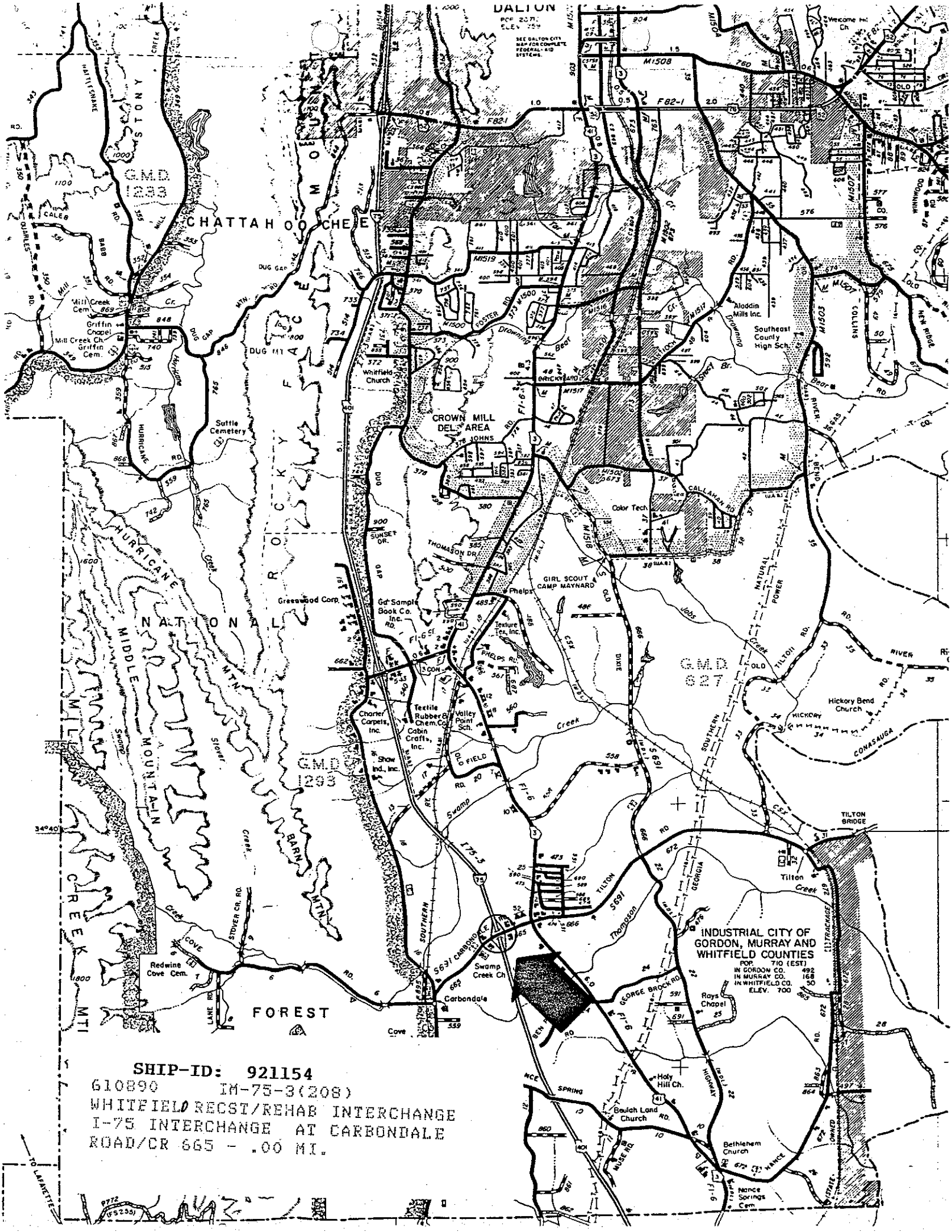
Fund 1 = 04M
Fund 2 = 04M

REASON FOR REVISION:

Requested by the S.H.I.P Committee

RECOMMENDED _____
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

APPROVED _____
COMMISSIONER


DALTON
CHATTAHOOCHEE
NATIONAL
FOREST
ROCKY FACE MOUNTAIN
MIDDLE MOUNTAIN
MILL CREEK MTN
G.M.D. 1233
G.M.D. 1293
G.M.D. 627
CROWN MILL DEL. AREA
Whitfield Church
Suttle Cemetery
Mill Creek Cem.
Griffin Chapel
Mill Creek Ch.
Griffin Cem.
Greenwood Corp.
Gd Sample Book Co. Inc.
Texture Tex. Inc.
Phelps
GIRL SCOUT CAMP MAYNARD
Color Tech.
Aladdin Mills Inc.
Southeast County High Sch.
Charter Carpets, Inc.
Textile Rubber & Chem. Co.
Valley Point Sch.
Cabin Crafts, Inc.
Shaw Ind., Inc.
Hickory Bend Church
Tilton
TILTON BRIDGE
INDUSTRIAL CITY OF GORDON, MURRAY AND WHITFIELD COUNTIES
POP. 710 (EST)
IN GORDON CO. 492
IN MURRAY CO. 168
IN WHITFIELD CO. 50
ELEV. 700
Redwine Cove Cem.
Swamp Creek Ch
Carbondale
Rays Chapel
Holy Hill Ch.
Beulah Land Church
Bethlehem Church
Nance Springs Cem.
Welcome Hill Ch.
Southeast County High Sch.
SHIP-ID: 921154
610890 IM-75-3(208)
WHITFIELD RECST/REHAB INTERCHANGE
I-75 INTERCHANGE AT CARBONDALE
ROAD/CR 665 - .00 MI.

SHIP I.D.#: 921154

COUNTY: WHITFIELD
CONG. DIST.: 9
FIELD DIST.: 6

CITY:
STATE ROUTE: 401
U.S. ROUTE:

EDS ROUTE DESIGNATION: / NOT IDENTIFIED
F.A. SYS: I-75-3/SH
P.I. NO: 610890

PROJ. NAME & TERM.: I-75 IMPROVE SIGHT DISTANCE @ CARBONDALE ROAD/CR 665

WORK CODE: 11
TYPE WORK: INTERCHANGE

LENGTH: 0.00 MILES
PROJECT SOURCE: TRAFFIC & SAFETY

LANES EXISTING: 0
LANES PROPOSED: 0

PRESENT TRAFFIC: 0( )
FUTURE TRAFFIC: 0( )

R-O-W ESTIMATE: $.00
CONSTRUCTION ESTIMATE: $400,000.00

BRIDGE I.D. #: - - .
NEEDS RATING:

HAZARDOUS WASTE SITE INVOLVED: [ ]
NEAREST AIRPORT: 0.00 MI.

ACTION BY S.H.I.P. COMMITTEE: Pre program

Frank L Danchetz
FRANK DANCHETZ, CHAIRMAN

DATE: 11/30/92

921154

PROGRAMMING: WHITFIELD COUNTY -- I-75/SR 401 -- IMPROVE SIGHT DISTANCE ON I-75 AT CARBONDALE ROAD (CR 665).

DIST.6 - GOOD PROJECT - RECOMMENDED BY DISTRICT

ENV/LOC: HISTORIC RESOURCE, DNE SURVEY SITE #14, LOCATED ON SOUTH SIDE OF CR 665/CARBONDALE ROAD, EAST OF I-75 INTERCHANGE.

PLANNING - PLANNING RECOMMENDS PROJECT

921154

District 4

None

District 5

Location	County	Cost Estimate
I-516 @ U.S. 17 Median barrier needed	Chatham	100,000
I-95 @ State Route 251 Sight distance, relocate ramps	McIntosh	400,000

District 6

Location	County	
I-575 @ Towne Lake Parkway Add lanes & main	Cherokee	200,000
I-59 @ State Route 136 Sight distance	Dade	400,000
I-75 @ State Route 136 Sight distance	Gordon	400,000
I-75 @ Carbondale Road (CR 665) Sight distance	Whitfield	400,000