ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-IM-75-3(188) Cherokee County
P. I. No. 610740

OFFICE Preconstruction

DATE September 13, 2001

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
Harvey Keepler
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Jimmy Chambers
Kent Sager
BOARD MEMBER

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-IM-75-3(188) Cherokee
P.I. No.: 610740

OFFICE Road and Airport Design

DATE May 22, 2001

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

TO C. Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **Revised Project Concept Report**

JUL 11 2001

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

The original concept proposed a typical section which consisted of 3 lanes in each direction separated by a 20 ft. raised median with urban shoulders is revised to consist of 2 lanes in each direction separated by a 20 ft. raised median with urban shoulders.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and/or the State Transportation Improvement Program (STIP).

By receipt of this letter this office requests that the Office of Planning provide the Office of Road Design a letter of conformity to AQE standards for this project.

DATE 7-25-01

Marta V. Rosen
State Transportation Planning Administrator

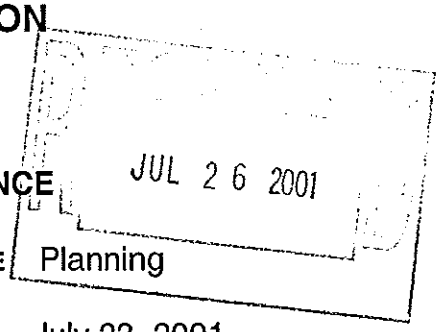
Xc: David Mulling, Project Review Engineer
Harvey Keepler, State Environmental/Location Engineer
Marion Waters, State Traffic Operations Engineer
Marta Rosen, State Transportation Planning Administrator
Herman Griffen, State Transportation Programming Engineer
Kent Sager, District Engineer
Paul Liles, State Bridge Design Engineer

MAY 25 [illegible]

RECEIVED
AUG 10 2001
GEORGIA DIVISION
FEDERAL HIGHWAY ADMINISTRATION

DOT 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENTAL CORRESPONDENCE

File

OFFICE Planning

DATE July 23, 2001

FROM Marta V. Rosen, State Transportation Planning Administrator

TO James A. Kennerly, State Road and Airport Design Engineer
Attn. Jason McCook

SUBJECT REVISED PROJECT CONCEPT REPORT CONFORMITY - CERTIFICATION FOR REVISED CONCEPT REPORT – Project NH-IM-75-3(188) Cherokee County, PI # 610740, I-75 @ SR 92. Interchange reconstruction.

The Office of Planning is providing this letter of certification as defined in the Plan Development Process Manual of Guidance. The revised project concept, consisting of two lanes in each direction separated by a twenty foot raised median with urban shoulders, is in conformance with the adopted Air Quality Model of the Atlanta Regional Transportation Plan and the State Transportation Improvement Program.

By copy of this letter, the project revised concept is found to conform to the Atlanta Regional Transportation Plan based on the July 23, 2001, review. If any changes occur to the revised concept, please notify this office immediately. If you have any questions, please call Roxana Ene at 404-463-4377.

MVR:rre

cc: Tom Turner

REVISED PROJECT CONCEPT REPORT

Need and Purpose: Due to recent growth in southeast Cherokee County, a transportation study was conducted to assess the growth potential for southeast Cherokee County. A program for transportation improvements to meet the needs of this growth was a result of this study. Among other projects, this study supported the recommendation that improvements be made to the interchange at S.R. 92 and I-75 in Cherokee County. The proposed project will improve the capacity of S.R. 92 while providing a safer environment for the motorist, with reduced travel and congestation.

Project location: This project is the reconstruction of the S.R. 92 at I-75 interchange and the widening of S.R. 92 from Cowan Road in Cobb County to Northpoint Parkway in Cherokee County. The beginning Milelog is at M.P. 14.29 in Cobb County on S.R. 92 and the ending M.P. is M.P. 0.41 in Cherokee County.

Description of the approved concept: S.R. 92 widening and Interchange reconstruction of S.R. 92 at I-75.

PDP Classification:

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

Functional Classification: Rural Minor Arterial

U. S. Route Number(s): I-75 **State Route Number(s):** S.R. 401, S.R. 92

Traffic (AADT) as shown in the approved concept:

Current Year: 21700 (1995) Design Year: 36900 (2015)

Proposed features to be revised: The proposed typical section to be revised consisted of a six lane urban section with a twenty foot (20') raised median with three (3) lanes in each direction

Describe the revised feature(s) to be approved: The revised typical section would consist of a eight lane urban section with a twenty foot (20') with two lanes in each direction and dual left turns.

Updated traffic data (AADT):

Current Year: 23,500 (2000)
Design Year: 40,000 (2020)

Programmed/Schedule:

P.E. 3-31-92 R/W: 2001 Construction: 2003

Revised cost estimates:

1. Construction cost including inflation and E&C, $ 5,
2. Right-of-way, and
3. Utilities

Is the project located in a Non-attainment area? Yes

The typical section for the current concept of three lanes in each direction would not be in compliance with the conforming plan model which consist of two lanes in each direction. This project is scheduled to open in model year 2005.

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

Attachments:

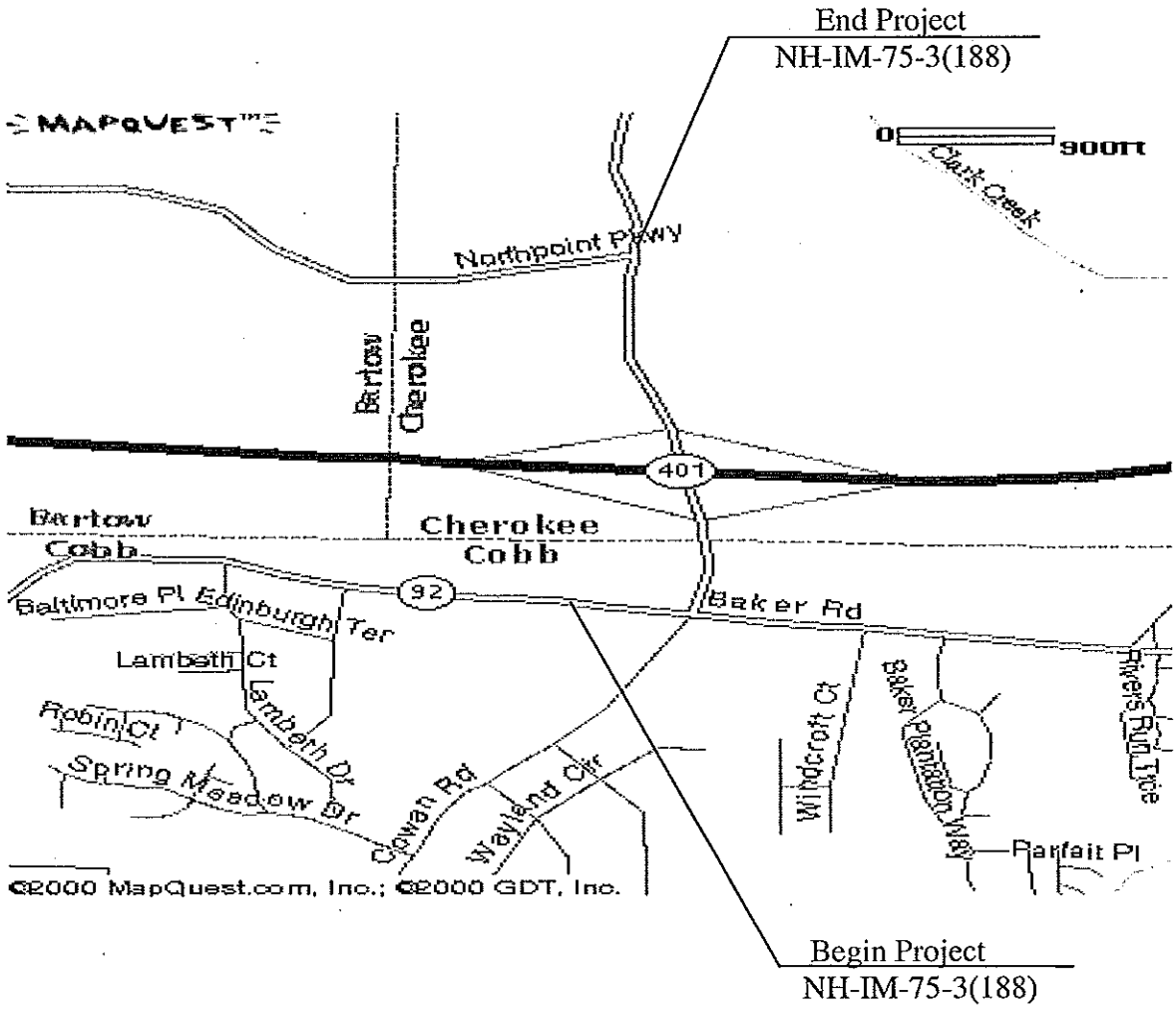
Sketch Map,
Cost Estimate,
Conforming plan's network schematics showing thru lanes

Concur: Thomas C. Lamm
Director of Preconstruction

Approve: Floyd Moore
for Division Administrator, FHWA

Approve: [signature]
Chief Engineer

Project Location



Cost Estimate for NH-IM-75-3-(188), Cherokee Co., P.I. NO. 610740

ITEM DESCRIPTION
UNITS WT. AVG. QUANTITY COST

ROADWAY ITEMS

150-5010 TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR
EA 20469.708181 10 $204697.08
153-1300 FIELD ENGINEERS OFFICE TP 3
EA 54010.12525 1 $54010.13
207-0203 FOUND BKFILL MATL, TP II
M3 44.516162671 200 $8903.23
210-0100 GRADING COMPLETE -IM-75-3(188)
LS 340416.79140 LUMP $340416.79
310-5060 GR AGGR BASE CRS, 150 MM, INCL MATL
M2 6.7269614943 625 $4204.35
310-5080 GR AGGR BASE CRS, 200 MM, INCL MATL
M2 9.8367299222 5800 $57053.03
310-5100 GR AGGR BASE CRS, 250 MM, INCL MATL
M2 9.6087441302 10300 $98970.06
318-3000 AGGREGATE SURFACE COURSE
MG 15.522649017 2000 $31045.30
402-1812 RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
MG 36.524236843 13850 $505860.68
402-3121 RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM
MG 36.661659161 6500 $238300.78
402-3190 RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM
MG 37.316896254 3600 $134340.83
402-3250 RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM
MG 39.659301765 6100 $241921.74
433-1200 REINF CONC APPROACH SLAB, INCL SLOPED EDGE
M2 118.11073855 700 $82677.52
441-0016 DRIVEWAY CONCRETE, 150 MM THK
M2 31.582680151 400 $12633.07
441-0018 DRIVEWAY CONCRETE, 200 MM THK
M2 40.304731652 370 $14912.75
441-0104 CONC SIDEWALK, 100 MM
M2 22.875763784 3660 $83725.30
441-0204 PLAIN CONC DITCH PAVING, 100 MM
M2 28.472794067 600 $17083.68
441-0301 CONC SPILLWAY, TP 1
EA 1268.1819711 2 $2536.36
441-0740 CONCRETE MEDIAN, 100 MM
M2 23.320020571 3500 $81620.07
441-3999 CONCRETE V GUTTER
LM1 59.429732202 185 $10994.50
441-4020 CONC VALLEY GUTTER, 150 MM
M2 33.427473371 121 $4044.72
441-4030 CONC VALLEY GUTTER, 200 MM
M2 41.865536476 340 $14234.28
441-5002 CONCRETE HEADER CURB, 150 MM, TP 2
LM1 34.963626157 704 $24614.39

441-6222 CONC CURB & GUTTER, 200 MM X 750 MM, TP 2
LM1 33.025602248 3900 $128799.85
550-1180 STORM DRAIN PIPE, 450 MM, H 0.3 - 3 M
LM1 79.471708344 1090 $86624.16
550-1240 STORM DRAIN PIPE, 600 MM, H 0.3 - 3 M
LM1 105.28304832 90 $9475.47
550-2180 SIDE DRAIN PIPE, 450 MM, H 0.3 - 3 M
LM1 67.739099635 0 $0.00
550-4124 FLARED END SECTION 600 MM, SIDE DRAIN
EA 292.03121951 3 $876.09
550-4218 FLARED END SECTION 450 MM, STORM DRAIN
EA 420.88121088 18 $7575.86
573-2006 UNDDR PIPE INCL DRAINAGE AGGR, 150 MM
LM1 31.369353945 600 $18821.61
576-1018 SLOPE DRAIN PIPE, 450 MM
LM1 79.851518987 21 $1676.88
611-3010 RECONSTR DROP INLET, GROUP 1
EA 828.44257703 3 $2485.33
611-3030 RECONSTR STORM SEW MANHOLE, TP 1
EA 1346.7371428 3 $4040.21
622-1032 PRECAST CONCRETE MEDIAN BARRIER, METHOD 2
LM1 71.430629515 1140 $81430.92
634-1200 RIGHT OF WAY MARKER
EA 70.211998287 69 $4844.63
641-1100 GUARDRAIL, TP T
LM1 120.53302396 90 $10847.97
641-1200 GUARDRAIL, TP W
LM1 34.901273600 1660 $57936.11
641-5001 GUARDRAIL ANCHORAGE, TP 1
EA 427.52703261 8 $3420.22
641-5012 GUARDRAIL ANCHORAGE, TP 12
EA 1457.2009984 8 $11657.61
668-1100 CATCH BASIN, GP 1
EA 1737.6966443 38 $66032.47
668-1110 CATCH BASIN, GP 1, ADDL DEPTH
LM1 526.67657210 4 $2106.71
668-2100 DROP INLET, GP 1
EA 1968.6354527 5 $9843.18
668-4300 STORM SEWER MANHOLE, TP 1
EA 1683.0230246 1 $1683.02

Section SUB TOTAL $2778978.97

EROSION CONTROL

163-0230 TEMPORARY GRASS
M2 133.05490971 35 $4656.92
163-0235 TEMPORARY MULCH
M2 488.81503211 7 $3421.71
163-0520 CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN
LM1 28.036273475 9 $252.33
165-0010 MAINTENANCE OF TEMPORARY SILT FENCE, TP A
LM1 4.3054478890 5500 $23679.96
165-0020 MAINTENANCE OF TEMPORARY SILT FENCE, TP B
LM1 3.3291754153 275 $915.52

165-0070 MAINTENANCE OF TEMPORARY BALED STRAW EROSION CHECK
LM1 5.5554457609 1250 $6944.31
165-0085 MAINTENANCE OF SILT CONTROL GATE, TYPE 1
EA 207.11882352 2800 $579932.71
165-0087 MAINTENANCE OF SILT CONTROL GATE, TYPE 3
EA 181.69758064 9 $1635.28
167-0100 WATER QUALITY MONITORING
MO 2176.7582352 30 $65302.75
167-0200 WATER QUALITY SAMPLING
EA 342.62080924 1 $342.62
171-0010 TEMPORARY SILT FENCE, TYPE A
LM1 8.3718424865 550 $4604.51
171-0030 TEMPORARY SILT FENCE, TYPE C
LM1 14.218373338 2500 $35545.93
500-3101 CLASS A CONCRETE
M3 457.23250206 45 $20575.46
511-1000 BAR REINF STEEL
KG 1.2939633658 3350 $4334.78
603-2181 STN DUMPED RIP RAP, TP 3, 450 MM
M2 36.465722337 85 $3099.59
603-2182 STN DUMPED RIP RAP, TP 3, 600 MM
M2 38.707436889 50 $1935.37
603-2186 STN DUMPED RIP RAP, TP 3, 900 MM
M2 53.405339805 270 $14419.44
603-7000 PLASTIC FILTER FABRIC
M2 3.2262999013 300 $967.89
700-6900 PERMANENT GRASSING
KG 62.472284616 300 $18741.69
700-7000 AGRICULTURAL LIME
MG 58.150577586 30 $1744.52
700-8000 FERTILIZER MIXED GRADE
MG 257.18103641 8 $2057.45
700-8100 FERTILIZER NITROGEN CONTENT
KG 2.8808540982 170 $489.75
700-9100 BLOCK SOD
M2 8.9994462390 1039 $9350.42
715-2200 BITUMINOUS TREATED ROVING, WATERWAYS
M2 3.2401342657 60 $194.41
716-2000 EROSION CONTROL MATS, SLOPES
M2 2.0924560565 14510 $30361.54

Section SUB TOTAL $835506.84

SIGNING & MARKING

610-6515 REM HIGHWAY SIGN, STD
EA 92.829326145 7 $649.81
611-5551 RESET SIGN
EA 539.21878378 7 $3774.53
636-1029 HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3
M2 194.23057835 106 $20588.44
636-2030 GALV STEEL POSTS, TP 3
LM1 15.684568886 530 $8312.82
636-2040 GALV STEEL POSTS, TP 4
LM1 20.545869660 10 $205.46

639-2002 STEEL WIRE STRAND CABLE, 9.53 MM
LM1 10.665617843 240 $2559.75
639-3002 STEEL STRAIN POLE, TP II
EA 4010.3043478 6 $24061.83
653-0110 THERMOPLASTIC PVMT MARKING, ARROW, TP 1
EA 56.615626822 2 $113.23
653-0120 THERMOPLASTIC PVMT MARKING, ARROW, TP 2
EA 56.379704208 77 $4341.24
653-0130 THERMOPLASTIC PVMT MARKING, ARROW, TP 3
EA 98.722572614 3 $296.17
653-0210 THERMOPLASTIC PVMT MARKING, WORD, TP 1
EA 79.869696691 43 $3434.40
653-1501 THERMOPLASTIC SOLID TRAFFIC STRIPE, 125 MM, WHITE
LM1 0.6451429633 800 $516.11
653-1502 THERMOPLASTIC SOLID TRAFFIC STRIPE, 125 MM, YELLOW
LM1 0.6560949224 500 $328.05
653-1704 THERMOPLASTIC SOLID TRAFFIC STRIPE, 600 MM, WHITE
LM1 11.422665450 140 $1599.17
653-1810 THERMOPLASTIC SOLID TRAFFIC STRIPE, 250 MM, WHITE
LM1 2.9423344974 1030 $3030.60
653-3501 THERMOPLASTIC SKIP TRAFFIC STRIPE, 125 MM, WHITE
GLM1 0.4401038763 3810 $1676.80
653-3502 THERMOPLASTIC SKIP TRAFFIC STRIPE, 125 MM, YELLOW
GLM1 0.4522036323 320 $144.71
653-6004 THERMOPLASTIC TRAF STRIPING, WHITE
M2 2.8662581293 380 $1089.18
653-6006 THERMOPLASTIC TRAF STRIPING, YELLOW
M2 2.6110258103 810 $2114.93
654-1001 RAISED PVMT MARKERS TP 1
EA 2.6140631409 80 $209.13
654-1002 RAISED PVMT MARKERS TP 2
EA 2.4886032912 870 $2165.08

Section SUB TOTAL $81211.43

BRIDGE ITEMS

441-0004 CONC SLOPE PAV, 100 MM
M2 37.539785093 376 $14114.96
500-0100 GROOVED CONCRETE
M2 4.4159903952 726 $3206.01
500-1006 SUPERSTR CONCRETE, CL AA, BR NO - (LT/RT)(223)
LS 299631.72 LUMP $299631.72
500-3101 CLASS A CONCRETE
M3 457.23250206 237 $108364.10
501-3000 STR STEEL, BR NO - (LT/RT)(223)
LS 689317.74 LUMP $689317.74
511-1000 BAR REINF STEEL
KG 1.2939633658 16969 $21957.26
511-3000 SUPERSTR REINF STEEL, BR NO -1
LS 52767.86 LUMP $52767.86
520-1125 PILING IN PLACE, STEEL H, HP 310 X 79
LM1 91.669034486 288 $26400.68
518-1000 RAISE EXISTING BRIDGE, STA. 85+411.955
LS 145010 LUMP $145010.00

520-4125 LOAD TEST, STEEL H, HP 310 X 79
EA 21.202857142 1 $21.20
535-1005 PAINT EXIST STEEL STRUCTURE, STA. 85+411.955
LS 75145.217391 0 $0.00
643-1152 CH LK FENCE, ZC COAT, 1.8 M, 9 GA
LM1 46.248341064 192 $8879.68

Section SUB TOTAL	$1369671.22
Project Cost	$5065368.46
10% E&C	$506536.85
5% Inflation/year(1)	$278595.27
Total Const. Cost	$5850500.58

SR 92 @ I-75 North: 2025 Network