

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 522790-, Chatham County **OFFICE** Preconstruction
STP-218(1)
Jimmy Deloach Parkway Extension **DATE** March 14, 2008
from I-16 to US 80

FROM *Genetha Rice-Singleton*
Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

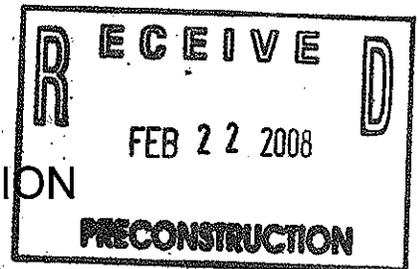
SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
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Ben Buchan
BOARD MEMBER



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-218-1 (1), Chatham County OFFICE Urban Design
 Jimmy DeLoach Parkway Extension
 from I-16 to US 80
 P.I. No. 522790 DATE February 18, 2008

James B. Buchan

FROM James B. Buchan P.E., State Urban Design Engineer

TO Genetha Rice- Singleton, Assistant Director of Preconstruction

SUBJECT **Revised Project 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 (PDP).

The Georgia Department of Transportation's Design Policy Manual, Version 2.0, states in Chapter 6, Section 6.8.2, that all arterials with design speeds greater than 45 mph will require a 24-ft raised median, a 44-ft depressed median, or a positive barrier system. Conforming to this policy will require the design to be modified to show a 24-foot raised median instead of a 20-foot raised median. The revision will affect the new location of the project from Main Street to US 80.

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

DATE: _____

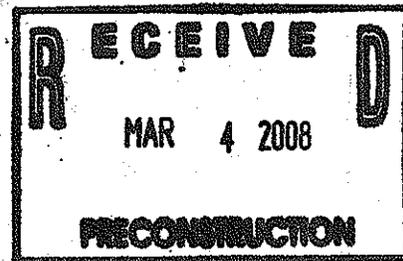
SEE NEXT PAGE - ADD -
State Transportation Planning Administrator

JBB:ASW:lcs *AWJ*

Attachment
See Distribution List

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

MEMORANDUM



FILE STP - 218 - (1)
P.I. 522790

Office Planning

DATE 2/25/2008

FROM


Angela T. Alexander, State Transportation Planning Administrator

TO

Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT

REVISED

Project Concept Report - Chatham County
STP - 218 - (1) P.I. 522790

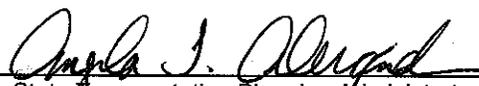
The Planning Office was requested by Preconstruction to verify if the subject project was identified in the FY '08-'11 STIP/TIP. PE was authorized in 1997. Right-of-Way is, currently, the responsibility of the local government and the Construction phase is currently outside of the currently approved FY08-11 STIP/TIP. The project will be moved into the STIP/TIP as funding allows. This project, as defined in the concept report, is consistent with the project description which will appear in the STIP/TIP.

KBM

Attachment

Date:

3/3/08


State Transportation Planning Administrator

REVISED PROJECT CONCEPT REPORT

Need and Purpose: Phase II of Jimmy Deloach Parkway is needed as an extension of the Phase I Jimmy Deloach Parkway. The entire facility is designed as a divided principal or major four lane arterial with 200-ft of right of way and with controlled access to provide a high level of traffic service between major sections of the urbanized area and to provide for the safe and efficient movement of traffic between longer trips within and through the area. The traffic projections for the Phase II extension of the Parkway to Bloomingdale Cross Road and I-16 are approximately 5,000 vehicles per day by the year 2010. The projections are expected to be considerably higher as announcements for development are incorporated into the demographics forecasts. The developments include the western quadrant of Savannah Quarters and the industrial park on the northern section of the Parkway. The need and purpose of the Parkway in the long range transportation plan was clearly identified as a "developmental highway".

Project location: From westbound I-16/ SR17 Interchange (Existing Mile Point 0.22) to Pine Barren Road/ SR17 Intersection (existing Mile Point 2.06) to Jimmy Deloach Parkway, Phase I @ US80/ SR26 (New Location) in Bloomingdale, Georgia, approximately 2.61 miles.

Description of the approved concept: Widen and reconstruct Bloomingdale Road from I-16 to Pine Barren Road. There will be new location from Pine Barren Road to US80/ SR26 in Bloomingdale, Georgia.

PDP Classification: Major (X) Minor ()

Federal Oversight: Full Oversight (), Exempt (X), State Funded (), or Other ()

Functional Classification: Urban Principal Arterial

U. S. Route Number(s): N/A **State Route Number(s):** SR17

Traffic (AADT) as shown in the approved concept:

Current Year: 3500 (1995) Design Year: 16000 (2015)

Proposed features to be revised: The proposed feature to be revised is the typical section. The typical section will be revised to reflect the Georgia Department of Transportation's Design Policy Manual which states in Chapter 6, Section 6.8.2, that all arterials with design speeds greater than 45 mph will require a 24-ft raised median, a 44-ft depressed median, or a positive barrier system. Also the project design units have been revised from Metric to English.

Describe the revised feature(s) to be approved: The raised median width will be revised from 20-ft to 24-ft within the new location area of the project from Main Street to US80/ SR26. The proposed 44-ft depressed median from I-16/Bloomingdale Cross Road Intersection to Main Street will remain as proposed in the original concept.

Updated traffic data (AADT):

Current Year: 7200 (2009)

Design Year: 40000 (2029)

Programmed/Schedule:

P.E.: 1997

R/W: LOCL

Construction: LR

VE Study Required

YES (X)

NO ()

Revised cost estimates:

1. Construction cost including E&C, \$19,817,747
2. Right-of-Way, \$12,800,000
3. Utilities, \$660,450

Is the project located in a Non-attainment area?

YES ()

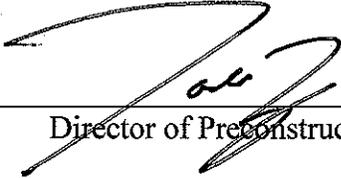
NO (X)

Recommendation: This office recommends that the proposed revision to the concept be approved for implementation.

Attachments:

1. Sketch Map
2. Cost Estimate
3. Updated Traffic Diagrams
4. Typical Section

Concur:



Director of Preconstruction

Approve:



Chief Engineer

**JIMMY DELOACH PARKWAY EXT.
FROM I-16 TO US 80**

**STP-218-1(1)
P.I. # 522790
CHATHAM COUNTY**

NORTH

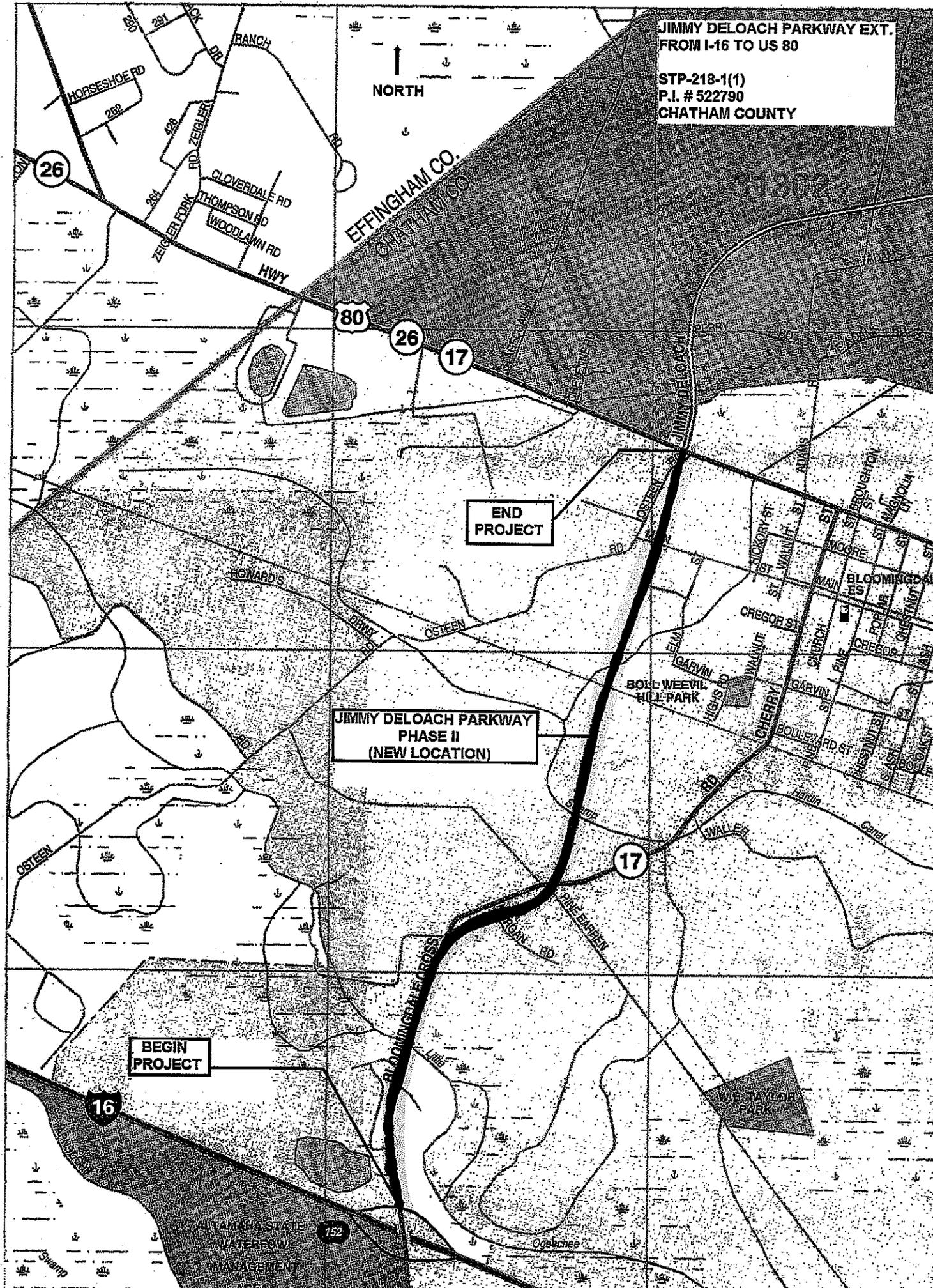
**EFFINGHAM CO.
CHATHAM CO.**

01302

**END
PROJECT**

**JIMMY DELOACH PARKWAY
PHASE II
(NEW LOCATION)**

**BEGIN
PROJECT**



Estimate Report for file "522790_080215"

Section Roadway Items

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	820000.00	TRAFFIC CONTROL -	820000.00
150-5010	1	EA	12465.87	TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR	12465.87
153-1300	1	EA	76829.70	FIELD ENGINEERS OFFICE TP 3	76829.70
201-1500	1	LS	3183940.33	CLEARING & GRUBBING -	3183940.33
208-0100	501890	CY	4.90	IN PLACE EMBANKMENT	2459261.00
310-5120	102000	SY	21.15	GR AGGR BASE CRS, 12 INCH, INCL MATL	2157300.00
400-3130	8100	TN	90.00	ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER-MODIFIED BITUM MATL & H LIME	729000.00
400-3605	9600	TN	90.00	ASPH CONC 19MM SUPERPAVE, GP 1 OR 2, INCL POLYMER MODIFIED BITUM MATL & H LIME	864000.00
402-3121	15100	TN	90.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1359000.00
413-1000	37500	GL	2.00	BITUM TACK COAT	75000.00
432-5010	500	SY	2.07	MILL ASPH CONC PVMT, VARIABLE DEPTH	1035.00
441-6720	25000	LF	15.91	CONC CURB & GUTTER, 6 IN X 30 IN, TP 7	397750.00
550-1180	2000	LF	45.96	STORM DRAIN PIPE, 18 IN, H 1-10	91920.00
550-1240	210	LF	54.17	STORM DRAIN PIPE, 24 IN, H 1-10	11375.70
550-1300	100	LF	70.50	STORM DRAIN PIPE, 30 IN, H 1-10	7050.00
550-1360	270	LF	86.79	STORM DRAIN PIPE, 36 IN, H 1-10	23433.30
550-4215	4	EA	629.10	FLARED END SECTION 15 IN, STORM DRAIN	2516.40
550-4218	57	EA	672.20	FLARED END SECTION 18 IN, STORM DRAIN	38315.40
550-4224	3	EA	781.26	FLARED END SECTION 24 IN, STORM DRAIN	2343.78
550-4230	4	EA	951.12	FLARED END SECTION 30 IN, STORM DRAIN	3804.48
550-4236	2	EA	1252.70	FLARED END SECTION 36 IN, STORM DRAIN	2505.40
576-1018	28	LF	33.79	SLOPE DRAIN PIPE, 18 IN	946.12
600-0001	50	CY	190.56	FLOWABLE FILL	9528.00
610-1055	200	LF	2.12	REM GUARDRAIL	424.00
610-1075	4	EA	235.66	REM GUARDRAIL ANCH, ALL TYPES	942.64
610-1880	2700	LF	12.00	REM STORM DRAIN PIPE	32400.00
610-5715	4	EA	2560.00	REM CATCH BASIN, DROP INLET OR JCT BOX	10240.00
641-1200	8300	LF	16.93	GUARDRAIL, TP W	140519.00
641-5001	7	EA	634.44	GUARDRAIL ANCHORAGE, TP 1	4441.08
641-5012	10	EA	1801.20	GUARDRAIL ANCHORAGE, TP 12	18012.00
668-1100	22	EA	2784.43	CATCH BASIN, GP 1	61257.46
668-2100	22	EA	3987.53	DROP INLET, GP 1	87725.66
Section Sub Total:					\$12,685,282.32

Section Erosion Control - Temporary

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	20	AC	679.69	TEMPORARY GRASSING	13593.80
163-0240	200	TN	300.00	MULCH	60000.00
163-0300	3	EA	1655.76	CONSTRUCTION EXIT	4967.28
163-0521	6	EA	230.65	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	1383.90
163-0550	4	EA	282.90	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	1131.60
165-0010	500	LF	0.78	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	390.00
165-0020	50	LF	1.43	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	71.50
165-0030	400	LF	1.64	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	656.00
165-0040	8	EA	66.20	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	529.60
165-0101	3	EA	607.78	MAINTENANCE OF CONSTRUCTION EXIT	1823.34
165-0105	4	EA	96.97	MAINTENANCE OF INLET SEDIMENT TRAP	387.88
167-1000	1	EA	1278.47	WATER QUALITY MONITORING AND SAMPLING	1278.47
167-1500	5	MO	944.75	WATER QUALITY INSPECTIONS	4723.75
170-1000	200	LF	13.54	FLOATING SILT RETENTION BARRIER	2708.00
171-0010	500	LF	1.63	TEMPORARY SILT FENCE, TYPE A	815.00
171-0020	50	LF	2.84	TEMPORARY SILT FENCE, TYPE B	142.00
171-0030	400	LF	3.83	TEMPORARY SILT FENCE, TYPE C	1532.00
Section Sub Total:					\$96,134.12

Section Erosion Control - Permanent

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-1024	450	SY	52.00	STN PLAIN RIP RAP, 24 IN	23400.00
603-7000	200	SY	4.71	PLASTIC FILTER FABRIC	942.00
700-6910	10	AC	1023.43	PERMANENT GRASSING	10234.30
700-7000	50	TN	59.64	AGRICULTURAL LIME	2982.00
700-7010	30	GL	22.32	LIQUID LIME	669.60
700-8000	40	TN	292.83	FERTILIZER MIXED GRADE	11713.20
700-8100	200	LB	2.31	FERTILIZER NITROGEN CONTENT	462.00
700-9300	1000	SY	5.47	SOD	5470.00
710-9000	1200	SY	4.38	PERMANENT SOIL REINFORCING MAT	5256.00
716-2000	2500	SY	1.20	EROSION CONTROL MATS, SLOPES	3000.00
Section Sub Total:					\$64,129.10

Section Bridge #1 - Little Ogeechee River

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-9001	33600	SF	90.00	Bridge #1 over Ogeechee River (300-ft x 112-ft)	3024000.00
Section Sub Total:					\$3,024,000.00

Section Bridge #2 LT & RT - CSX Railroad

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-9002	8497	sf	90.00	Bridge #2 LT over CSX RR (51.66-ft/ 42.75-ft x 180-ft tapered deck)	764730.00
500-9003	6840	sf	90.00	Bridge #2 RT over CSX RR (38-ft x 180-ft)	615600.00
Section Sub Total:					\$1,380,330.00

Section Concrete Bridge Culvert Items - Hardin Canal

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	310	CY	56.68	FOUND BK FILL MATL, TP II	17570.80
500-3101	500	CY	800.00	CLASS A CONCRETE	400000.00
511-1000	40000	LB	0.94	BAR REINF STEEL	37600.00
520-2214	800	LF	47.48	PILING, PSC, 14 IN SQ	37984.00
520-3214	2	EA	7569.16	TEST PILE, PSC, 14 IN SQ	15138.32
600-0001	200	CY	190.56	FLOWABLE FILL	38112.00
603-2024	75	SY	54.20	STN DUMPED RIP RAP, TP 1, 24 IN	4065.00
603-7000	40	SY	4.71	PLASTIC FILTER FABRIC	188.40
Section Sub Total:					\$550,658.52

Section Signal Items

Item Number	Quantity	Units	Unit Price	Item Description	Cost
639-3014	4	EA	10285.98	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE ARM	41143.92
647-1000	1	LS	70000.00	TRAFFIC SIGNAL INSTALLATION NO - 1	70000.00
647-6090	10	EA	738.16	LOOP DETECTOR - 1	7381.60
Section Sub Total:					\$118,525.52

Section Signing and Marking

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1031	2000	SF	19.00	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	38000.00
636-2070	300	LF	8.27	GALV STEEL POSTS, TP 7	2481.00
653-0120	14	EA	73.54	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	1029.56
653-0170	24	EA	84.44	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	2026.56
653-1501	30000	LF	0.68	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	20400.00
653-1502	20600	LF	0.62	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	12772.00
653-1704	300	LF	4.53	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	1359.00
653-3501	30000	GLF	0.51	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	15300.00
654-1001	515	EA	3.14	RAISED PVMT MARKERS TP 1	1617.10
654-1003	400	EA	3.68	RAISED PVMT MARKERS TP 3	1472.00
656-0050	550	LF	1.12	REMOVE EXIST SOLID TRAF STRIPE, 5 IN, THERMOPLASTIC	616.00
Section Sub Total:					\$97,073.22

Total Estimated Cost: \$18,016,132.80

Subtotal Construction Cost	\$18,016,132.80
E&C Rate 10.0 %	\$1,801,613.28
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
<hr/>	
Total Construction Cost	\$19,817,746.08
Right Of Way	\$12,800,000.00
ReImb. Utilities	\$660,450.00
<hr/>	
Grand Total Project Cost	\$33,278,196.08

Department of Transportation State of Georgia

Interdepartmental Correspondence

FILE R/W Cost Estimate **OFFICE** Atlanta
DATE March 15, 2007
FROM Phil Copeland, Right of Way Administrator
TO William Gordon Moreland Altobeli Associates, Inc.
SUBJECT Preliminary Right of Way Cost Estimate
Project: STP-218-1(1)Chatham
P.I. No.:522790
Description: Jimmy Deloach Parkway, Phase II 92

Per your request, attached is a copy of the approved Preliminary Right of Way Cost Estimate on the above referenced project.

Please note the area of Required R/W was furnished with your request.

If you have any questions, please contact Jerry Milligan at the West Annex Right of Way Office at (770) 986-1541.

PC::GAM

Attachments

c: Brian Summers, Engineering Services
Wes Brock, R/W
Windy Bickers, Financial Management
File

REVISED CONCEPT REPORT RIGHT OF WAY

COST ESTIMATE

Date: February 26, 2007
Project: STP-218-1(1), Jimmy DeLoach Parkway, Ph. II P.I. Number: 522790
Existing/Required R/W: New Location / ± 200' to 320' No. Parcels: 37*
Project Termini: North side of I-16 to south side of US80
Project Description: New location extension of JDP from I-16 to US80 (partially follows existing right of way of SR17, a/k/a Bloomingdale Road)

Land:

(Residential-Lots): Generally \$50,000/AC

(Rural Residential-Small to Medium Ac.): Generally \$12,000/AC

(Urban Residential-Small to Medium Ac.): Generally \$30,000/AC

(Rural Large Acreage Tracts): Generally \$30,000/AC

(Highway Commercial Sites): Generally \$250,000/AC

(Note: area & unit value calculations are on the spreadsheet)

TOTAL: \$2,231,496

Improvements:

Buildings: \$585,000

Minor site improvements (paving, signs, etc.): \$137,500

TOTAL: \$ 722,500

Relocation:

Residential- 23 Displaces \$310,000

TOTAL: \$ 310,000

Damages:

Proximity- 3 Parcels	\$ 65,000
Consequential-15 Parcels	<u>\$365,500</u>

TOTAL: \$ 430,500

Net Cost:	\$ 3,694,496
Plus Scheduling Contingency (55%):	\$ 2,031,973
Plus Admin./Court Cost (60% of 2 lines above):	\$ 3,435,881
Plus Inflation Factor (40% of 3 lines above):	<u>\$ 3,664,940</u>
	\$12,827,290

TOTAL COST: **\$12,800,000 (R)**

Notes: There are 15 apparent mobile home park displacees based on the plans furnished to the appraiser. Of the 8 remaining relocation cases, 4 are from duplexes, 1 is from a mobile home on a lot and the rest are single-family residences. There are no commercial displacees. The relocation costs were estimated at \$15,000 each (16 mobile homes) or \$10,000 each (7 single-family and duplex occupants), with displacee figure consisting of estimated relocation benefits and moving costs.

55% adjustment for scheduling contingencies between date of estimate and project implementation. There are additional adjustments for unforeseen management and condemnation costs as well as for inflation.

Note that there are 2 numbered parcels on the attached spreadsheet that are already owned by Chatham County. These properties are not included in the overall parcel count (would be 39 if they were) and are not valued in the land cost or improvements/damages costs sections of the report.

The notes for the various parcels on the spreadsheet outline unusual zoning or assessment issues, unusual geographical features, valuation issues, damage considerations, etc.

Prepared by: *A. J. Smith* Moreland Altobelli Associates

Approved by: *Richard R. Miller* GDOT RW

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: STP-218-1(1) CHATHAM, P. I. # 522790

OFFICE: Jesup, Georgia

DATE: December 20, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Mohammed (Babs) Abubakari, P.E., Office of Consultant Design

SUBJECT: Utility Cost Estimate- JIMMY DELOACH PARKWAY EXTENSION FM I-16 TO US 80

Per a request received by this office on 11/29/2006, a review of the preliminary plans dated 10/22/2003 and an on site inspection was made by this office and the following utilities were found to be located within the project limits:

Bellsouth- Telephone

City of Bloomingdale- Water & Sewer

Comcast- CATV

Georgia Power Company Distribution (formerly SEPCO)-Power

Georgia Power Company Transmission (formerly SEPCO)-Power

This estimate is based upon a field visit to the project, information on existing locations of facilities we have received from the utility owners and the above mentioned plans.

This project consists of widening existing portions of SR 17 from the north side of the ramps at I-16 to Pine Barren Road. From this point to SR 30 near Osteen Road, this project is basically on new alignment.

The existing BellSouth facilities consisting of approximately 17,000 LF of aerial and underground cable with pedestals that appear to be in conflict, appear to be on our existing right of way and are not reimbursable to them, but is estimated to cost BellSouth \$130,000.00 to relocate.

The City of Bloomingdale has facilities consisting of approximately 1,450 LF of 2" water main, 1,250LF 8" DIP water main, 3 fire hydrants, 9 water meters, 1,950LF of 2" force main and 550LF of 3" force main that appear to be in conflict on this project, all facilities are on city R/W and should be reimbursable to the city. The estimated cost at

Continued.....

FILE: STP-218-1(1) CHATHAM, P. I. # 522790

\$25.00 per LF for 3950' of 2" and 3" PVC water and force main is \$98,750.00, \$60.00 per LF for 1,250LF of 8" DIP water main is \$75,000.00, \$2,500.00 per fire hydrant for 3 hydrants is \$7,500.00 and \$800.00 per water meter to relocate or adjust for 9 meters is \$7,500.00, for a total estimated reimbursable cost of \$188,450.00.

The existing Comcast facilities consisting of approximately 1,000 LF of aerial cable that appear to be in conflict, appear to be on our existing right of way and are not reimbursable to them, but is estimated to cost them \$5,000.00 to relocate.

The existing Georgia Power Distribution facilities consisting of approximately 7,000 LF of aerial distribution with 66 poles that appear to be affected and/or in conflict, the total estimated relocation cost of \$528,000.00, of which 34 poles appear to be off of our existing right of way and are reimbursable; estimated cost of \$272,000.00. 32 poles appear to be on our existing right of way and are not reimbursable estimated cost to them \$256,000.00.

The existing Georgia Power Transmission facilities consisting of a 115KV line at STA 53+50 at this time does not appear to be in conflict, but this will depend on the final main line elevation, vertical clearance and sag in the line. If GPC-T has to raise this line to meet vertical clearance, it could cost the Department as much as \$200,000.00 if they have prior rights.

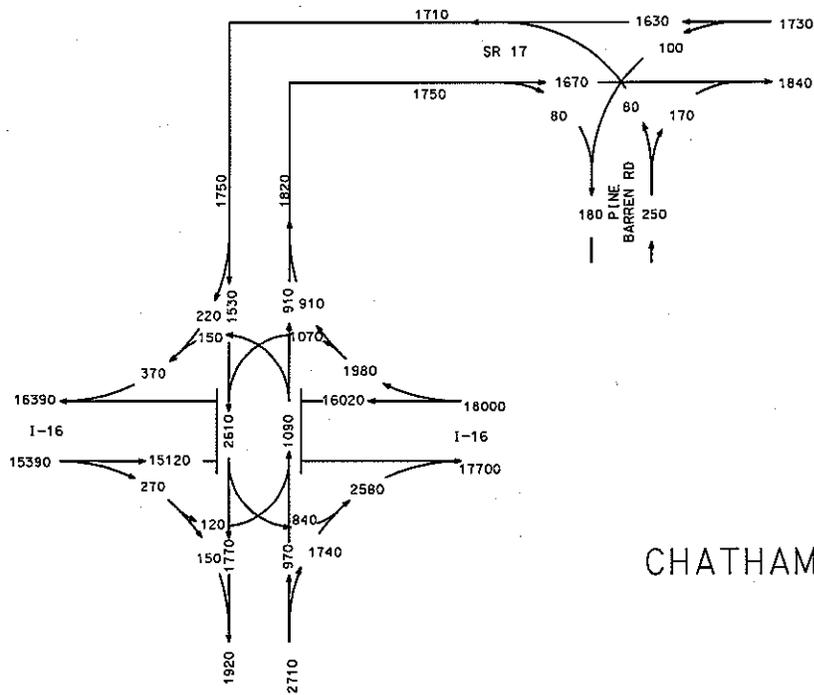
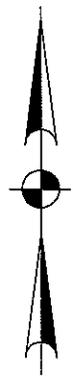
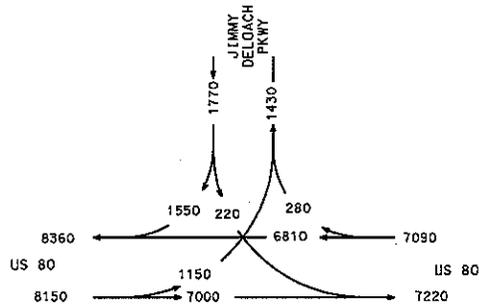
The total estimated relocation cost for this project is \$1,051,450.00.

The total estimated reimbursable cost for this project is \$660,450.00.

If there are any questions please contact George Shenk at george.shenk@dot.state.ga.us or (912) 427-5859.

Copy:

Jamie Simpson, Office of Financial Management (via e-mail)
Albert Welch, Office of Program Delivery and Consultant Design (via e-mail)
Keith Posey, Office of Environment/Location (via e-mail)
District Office files
Utility Office Files



CHATHAM COUNTY, GA

000 EXISTING ADT VOLUMES
MM MINOR MOVEMENT

NOT TO SCALE

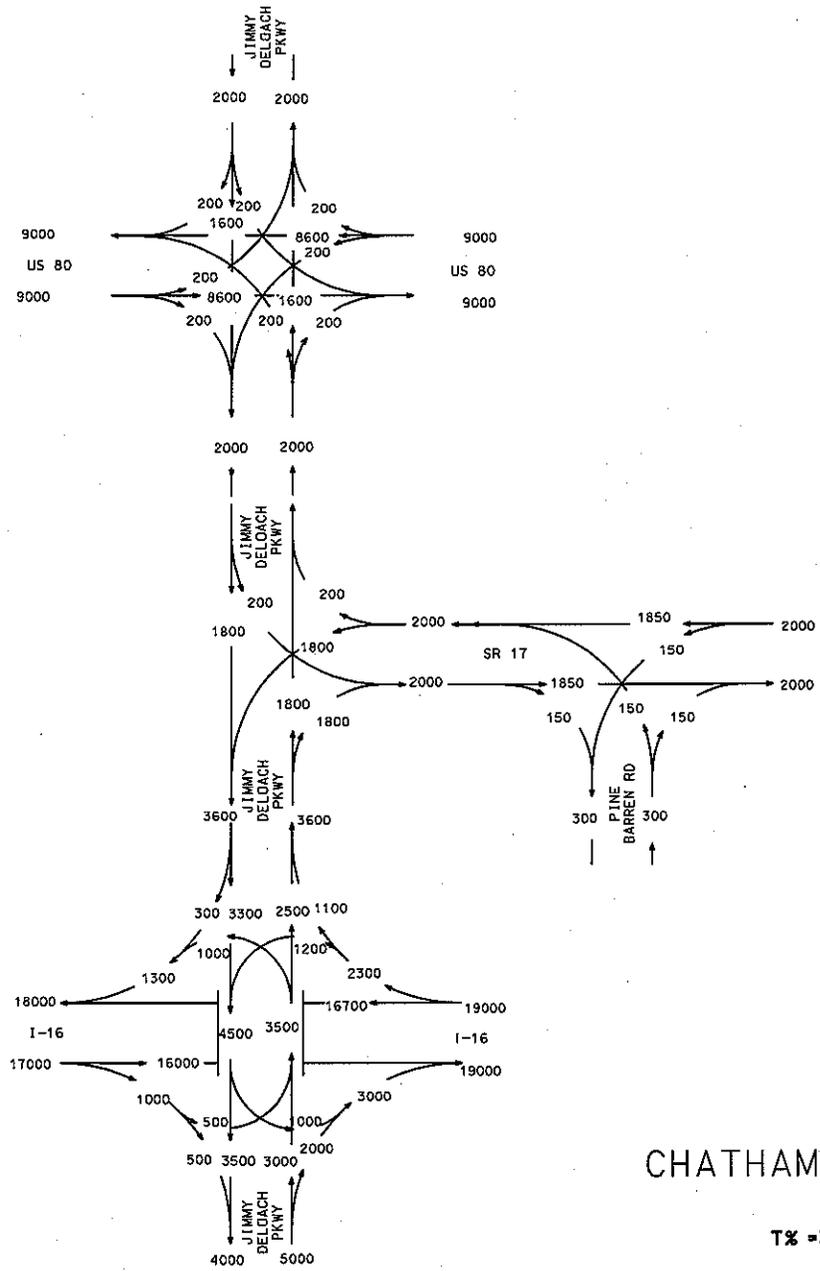
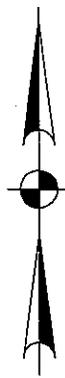
JIMMY DELOACH PARKWAY PHASE II
STP-218-1 (1)
P. I. # 522790

ADT VOLUMES (EXISTING)



THOMAS & HUTTON ENGINEERING CO.

935 HOUSTON NORTHCUTT BOULEVARD
MOUNT PLEASANT S.C. 29464
(843)849-0200



CHATHAM COUNTY, GA

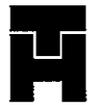
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000 BASE YEAR (2009) ADT
MM MINOR MOVEMENT

NOT TO SCALE

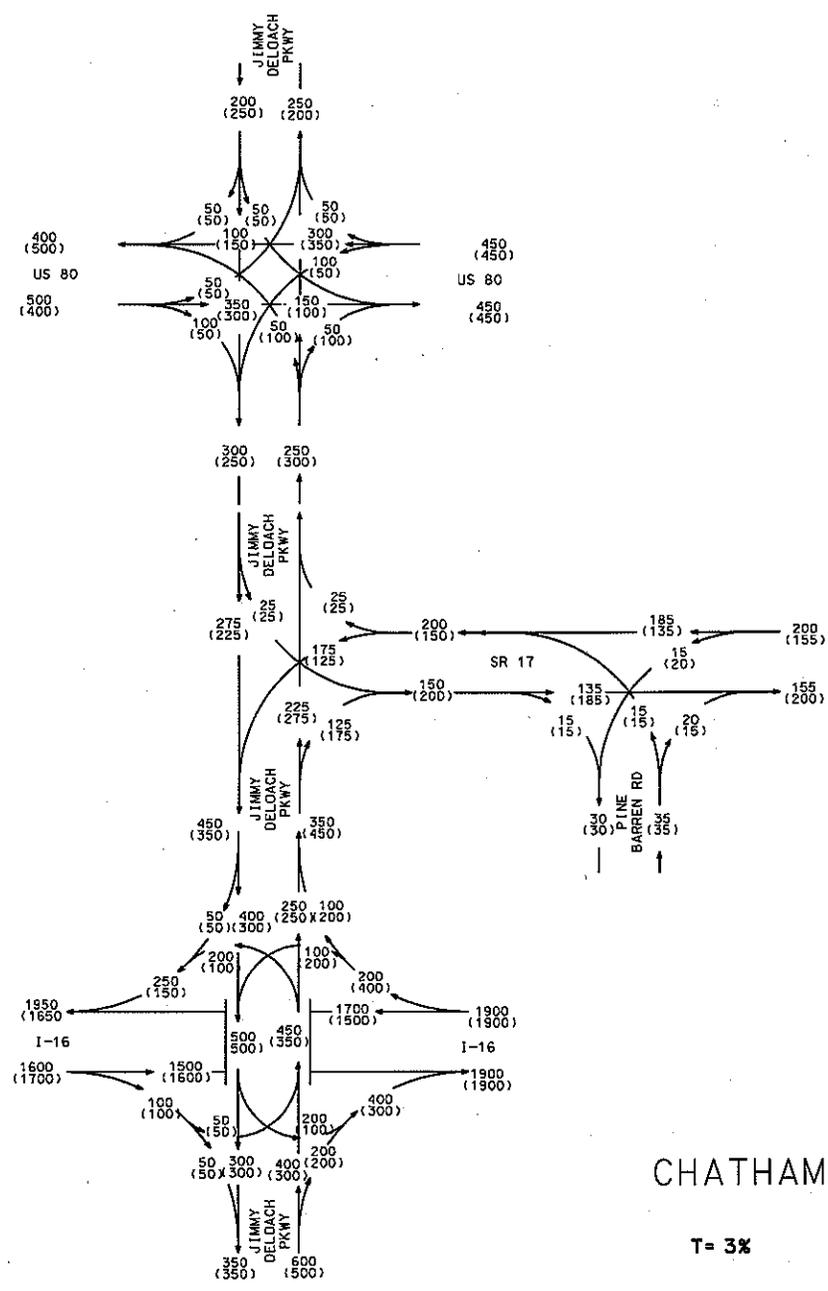
JIMMY DELOACH PARKWAY PHASE II
STP-218-1(1)
P. I. # 522790

BASE YEAR (2009) ADT



THOMAS & HUTTON ENGINEERING CO.

935 HOUSTON NORTHCUTT BOULEVARD
MOUNT PLEASANT S.C. 29464
(843)849-0200



CHATHAM COUNTY, GA

T= 3%

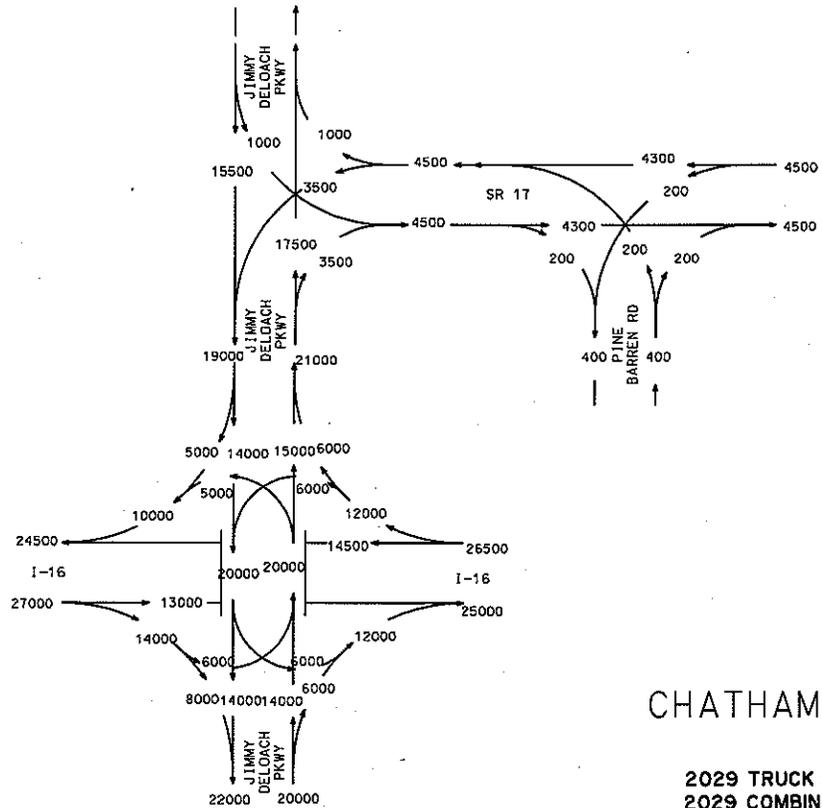
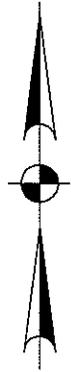
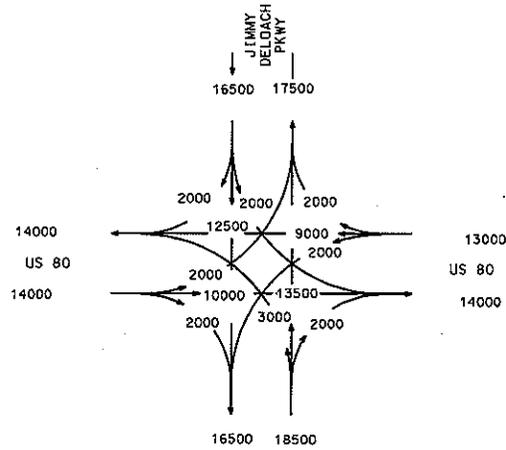
000 2009 A.M. VOLUME
 (000) 2009 P.M. VOLUME
 MM MINOR MOVEMENT

NOT TO SCALE

JIMMY DELOACH PARKWAY PHASE II
 STP-218-1(1)
 P.I.# 522790

THOMAS & HUTTON ENGINEERING CO.
 935 HOUSTON NORTHCUTT BOULEVARD
 MOUNT PLEASANT S.C. 29464
 (843)849-0200

BASE YEAR (2009) PEAK HOUR VOLUMES



CHATHAM COUNTY, GA

2029 TRUCK PERCENTAGE = 6%
 2029 COMBINATION TRUCK = 5%
 2029 SINGLE UNIT TRUCK = 1%

Q00 DESIGN YEAR (2029) ADT
 MM MINOR MOVEMENT

NOT TO SCALE

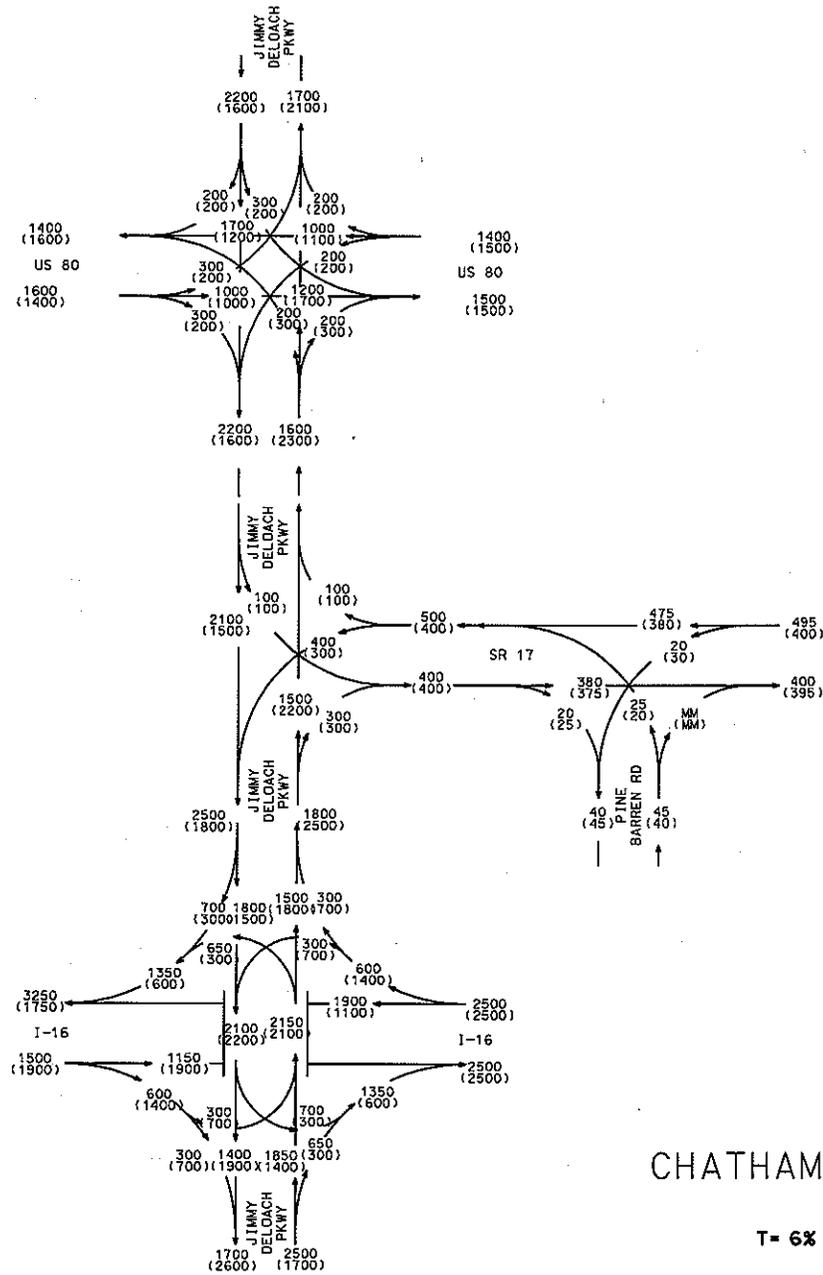
JIMMY DELOACH PARKWAY PHASE II
 STP-218-1(1)
 P. I. # 522790

DESIGN YEAR (2029) ADT



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CHATHAM COUNTY, GA

T- 6X

000 2029 A.M. VOLUME
 (000) 2029 P.M. VOLUME
 MM MINOR MOVEMENT

NOT TO SCALE

JIMMY DELOACH PARKWAY PHASE II
 STP-218-1(1)
 P. I. # 522790

DESIGN YEAR (2029) PEAK HOUR VOLUMES



THOMAS & HUTTON ENGINEERING CO.

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 MOUNT PLEASANT S.C. 29464
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PROJECT NO.: STP-218-1-(1)
 COUNTY: CHATHAM
 P.I. NO. 522790

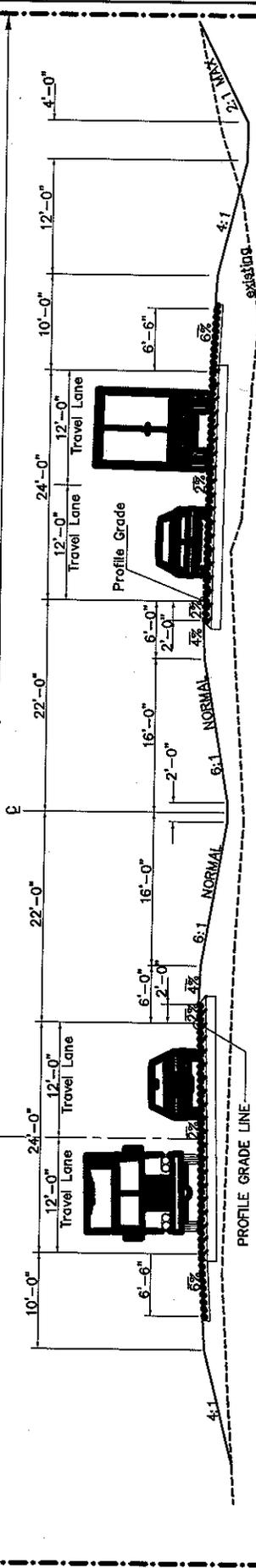
TYPICAL SECTION JIMMY DELOACH PARKWAY PHASE II

FROM
 I-16 TO PINE BARREN ROAD
 RURAL SECTION WIDENING W/44' DEPRESSED MEDIAN
 DS= 60 MPH
 WIDENING TO ONE SIDE

CENTERLINE EXISTING
 BLOOMINGDALE ROAD

EXISTING R/W

200' PROPOSED R/W



NOTE: IN AREAS WHERE THE SLOPE IS 3:1
 GUARDRAIL AND ADDITIONAL SHOULDER
 WIDTH WILL BE REQUIRED.

THOMAS & HUTTON
 ENGINEERING CO.
 3 OGLETHORPE PROFESSIONAL BLDG.
 SAVANNAH, GA. 31406 (912)355-5300

966 HOUSTON NORTHCUT BLVD.
 MT. PLEASANT, S.C. 29464 (803)849-0200

