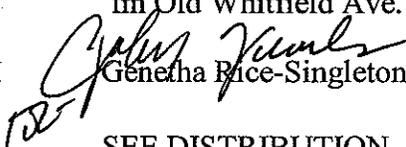


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 550560-, Chatham County **OFFICE** Preconstruction
STP-00MS (5)
Widening of SR 204 SPUR/Whitfield Ave. **DATE** September 24, 2007
fm Old Whitfield Ave. to Ferguson Ave.

FROM  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
Ken Thompson
Michael Henry
Keith Golden
Angela Alexander
Glenn Durrance
Ben Buchan
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-00MS(5), Chatham County **OFFICE** Urban Design
Widening of SR204 SPUR/ Whitfield Ave.
fm Old Whitfield Ave. to Ferguson Ave
P.I. No. 550560- **DATE** August 21, 2007

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 original concept report is being revised to accommodate changes to the typical section of SR204SPUR/ Whitfield Avenue. The changes are requested by Chatham County to allow for the landscaping and widening of the proposed median from 20-ft to 50-ft between Hendry Avenue and Old Montgomery Road along SR204 SPUR/ Whitfield Avenue. The typical section for this portion of the roadway will be revised to include two 12-ft travel lanes in each direction separated by a 50-ft raised landscaped median, curb and gutter, 4-ft bike lanes, and 5-ft sidewalks. The design speed is 45 mph. The typical section for the remainder of the project will remain as approved in the original concept report dated June 21, 1995.

The revised concept report 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).

DATE 9/6/07

Genetha S Alexander
State Transportation Planning Administrator

JBB: ASW: sas *[initials]*

Attachment

REVISED PROJECT CONCEPT REPORT

Need and Purpose: SR204 SPUR/ Whitfield Avenue is located in the southeastern portion of Chatham County in coastal Georgia. The project provides improved access and capacity for residents and businesses along SR204 SPUR/ Whitfield Avenue and serves as a connection to Montgomery Island, Skidaway Island, and Burnside Island. Recent development in the area includes several subdivisions along SR204 SPUR/ Whitfield Avenue. In addition, development has been occurring on Skidaway and Burnside Islands. As residential development continues in these areas, it will continue to generate increasing traffic volumes on SR204 SPUR/ Whitfield Avenue.

The proposed widening of SR 204 SPUR/ Whitfield Avenue was included in the list of selected road improvements in a one percent local sales tax option passed in 1993 to pay for road improvements in Chatham County. The proposed improvement has also been identified as a transportation need in the Chatham Urban Transportation Study (CUTS) Year 2030 Long Range Transportation Plan. Furthermore, the project is programmed in the Fiscal Year (FY) 2006-2008 Transportation Improvement Program (TIP). The project is also included in the Georgia Department of Transportation's six-year Construction Work Program, with construction scheduled to begin in 2007.

The proposed project has been identified in the Chatham-Savannah Bikeway Plan as a high priority bikeway corridor. The current TIP has bike lanes planned along the shoulders of the roadway.

Further discussion of Need and Purpose is included in the *Environmental Assessment and Programmatic Section 4(f) Evaluation for SR 204 SPUR/ Whitfield Avenue (Federal-Aid Project # STP-00MS (5), Chatham County, P.I. Number 550560* (approved February 13, 2004).

Project location: This project is located in the southeastern portion of Chatham County in Savannah, Georgia. The proposed length of the project is 2.4 miles along SR204 SPUR/ Whitfield Avenue from the intersection of Old Whitfield Avenue (Station 4+50) to Ferguson Avenue (Station 132+30), to include a 0.5 mile exception at Harry S. Truman, Phase IV (P.I. No. 0002921, NHS-0002-00(921)).

Description of the approved concept: Project STP-00MS(5) proposes to widen and reconstruct SR204 SPUR/ Whitfield Avenue from Old Whitfield Avenue to Ferguson Avenue for a total distance of 2.4 miles. The existing roadway consists of two 12-ft lanes with rural shoulders. The improvements include four 12-ft travel lanes separated by a 20-ft raised median with curb and gutter. In addition, a 4-ft wide bike lane is proposed in each direction between Old Montgomery Road and Ferguson Avenue. The project would also include sidewalks on both sides of the roadway from the beginning of the project to Mistewood Lane. The sidewalks would tie into the existing sidewalks south of the bridge crossing Haney's Creek. The two culverts approximately 2,100 feet north of the intersection of SR204 SPUR/ Whitfield Avenue and Ferguson Avenue would be extended. The widening of SR204 SPUR/ Whitfield Avenue would occur within the existing right-of-way or in areas immediately adjacent to the roadway. The existing right-of-way

STP-00MS (5), Chatham County
SR204 SPUR/ Whitfield Avenue
P.I. No.550560
August 21, 2007

varies throughout the project length from 35 to 200 feet in width. Therefore, additional right-of-way would be required at some locations. The design speed for this project is 45mph.

PDP Classification: Major X Minor _____

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

Functional Classification: Urban Minor Arterial

U. S. Route Number(s): N/A **State Route Number(s):** SR204 SPUR

Traffic (AADT) as shown in the approved concept:

Current Year: 12,000 (2000) Design Year: 21,500 (2020)

Proposed features to be revised: Typical Section - This Revised Concept Report addresses changes to the typical section of SR204 SPUR/ Whitfield Avenue between Hendry Avenue (Station 9+40) and Old Montgomery Road (Station 44+10).

Describe the revised feature(s) to be approved: Typical Section – The proposed new typical section along SR204 SPUR/ Whitfield Avenue between Hendry Avenue (Station 9+40) and Old Montgomery Road (Station 44+10) revises the median width from a 20-ft concrete raised to 50-ft landscaped median. The typical section will also be revised to show 4-ft bike lanes in each direction. The purpose of this proposed wider median is to plant canopy trees which are to be removed along the shoulder due to the widening through this section of the project. The wider median will also result in a net increase of four additional displacements. Bike lanes will also be added along both sides of the roadway between Hendry Avenue and Old Montgomery Road. The purpose of extending the bike lanes is to provide connectivity from where the bike route terminated at Old Montgomery Road to the neighborhoods around Hendry Avenue. There are no other changes to the typical section or project termini which may affect the analyses of historic resources, endangered species, air quality, or noise studies.

Median breaks are to be located at Hendry Avenue, Lavon Avenue/ Commercial Drive, Halcyon Drive/ Kings Way, Grace Drive, Old Montgomery Road, HST SB Ramp, HST NB Ramp, Mistwoode Lane, Old Whitfield Avenue, and Ferguson Avenue.

It is recommended that the proposed 50-ft landscaped median and the addition of 4-ft bike lanes along SR204 SPUR/ Whitfield Avenue between Hendry Avenue and Old Montgomery Road be approved.

STP-00MS (5), Chatham County
SR204 SPUR/ Whitfield Avenue
P.I. No.550560
August 21, 2007

Updated traffic data (AADT):

Traffic (AADT) as shown in the revised concept:

Current Year: 17,500 vpd (2005)

Design Year: 26,000 vpd (2025)

Programmed/Schedule:

P.E.: 02/10/93

R/W: 2008

Construction: 2009

Revised cost estimates:

1. Construction cost - \$ 10,300,620

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

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

JBB:ASW:T&H *ALL*

Attachments:

1. Cost Estimate
2. Typical section

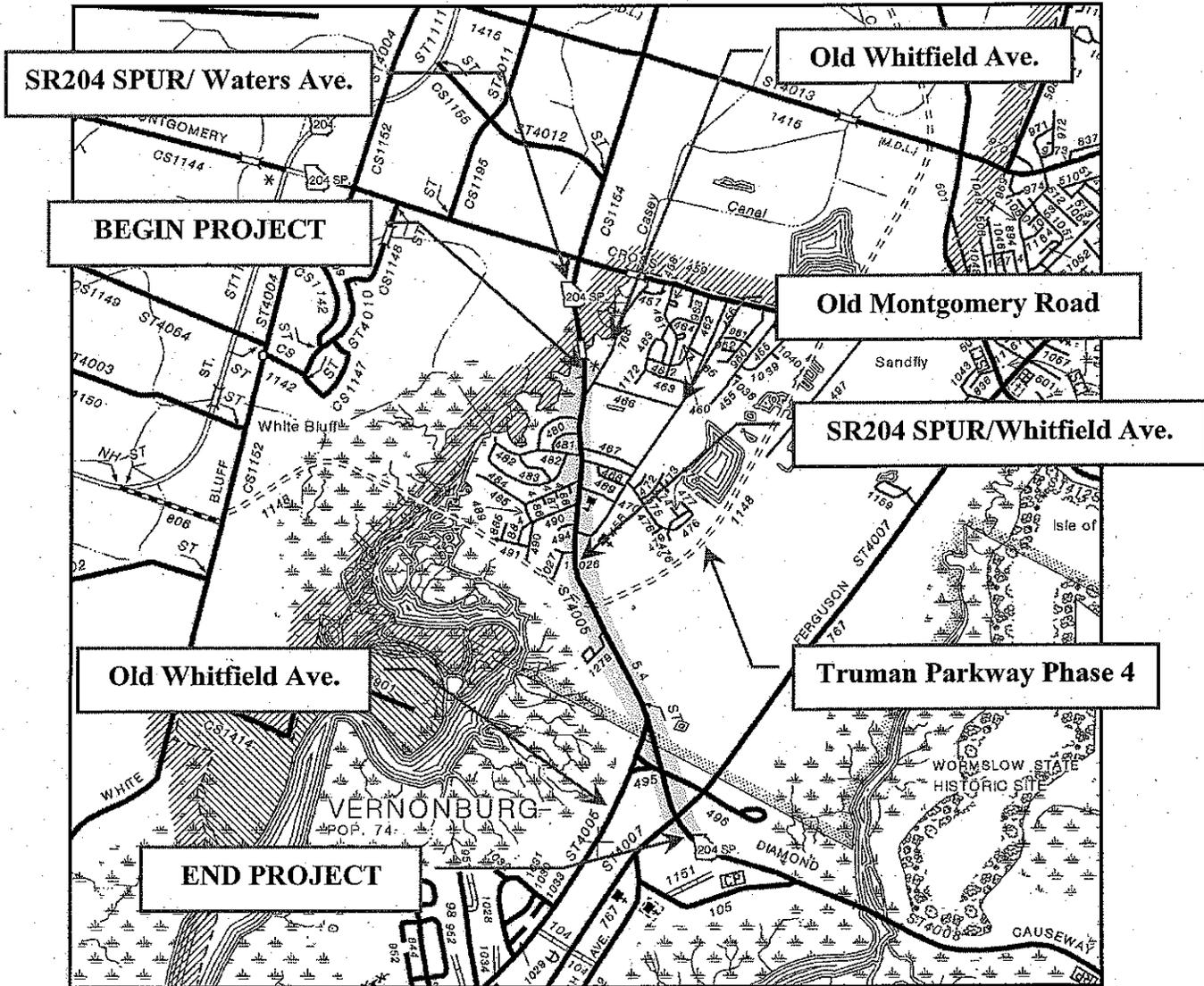
Concur: _____

[Signature]
Director of Preconstruction

Approve: _____

[Signature]
Chief Engineer

STP-00MS (5), Chatham County
SR204 SPUR/ Whitfield Avenue
P.I. No.550560
August 21, 2007



Estimate Report for file "550560_060825"

Section Erosion Control - Temporary					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	35	AC	570.00	TEMPORARY GRASSING	19950.00
163-0300	5	EA	3000.00	CONSTRUCTION EXIT	15000.00
163-0530	2000	LF	5.00	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	10000.00
163-0531	10	EA	8500.00	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -	85000.00
163-0550	50	EA	300.00	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	15000.00
165-0010	10000	LF	2.00	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	20000.00
165-0060	10	EA	1300.00	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -	13000.00
165-0070	2000	LF	4.00	MAINTENANCE OF BALED STRAW EROSION CHECK	8000.00
165-0105	50	EA	150.00	MAINTENANCE OF INLET SEDIMENT TRAP	7500.00
171-0010	10000	LF	3.00	TEMPORARY SILT FENCE, TYPE A	30000.00
Section Sub Total:					\$223,450.00

Section Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	750000.00	TRAFFIC CONTROL - PROJECT STP-00MS(5)	750000.00
153-1300	1	EA	80000.00	FIELD ENGINEERS OFFICE TP 3	80000.00
210-0100	1	LS	500000.00	GRADING COMPLETE - PROJECT STP-00MS(5)	500000.00
231-1200	50	EA	225.00	MISCELLANEOUS CONSTRUCTION, ROADS, STREETS AND DRIVEWAYS	11250.00
310-5120	90000	SY	22.00	GR AGGR BASE CRS, 12 INCH, INCL MATL	1980000.00
400-3605	9900	TN	80.00	ASPH CONC 19MM SUPERPAVE, GP 1 OR 2, INCL POLYMER MODIFIED BITUM MATL & H LIME	792000.00
400-9999	1	Lump Sum	50000.00	TEMPORARY PAVING FOR DETOUR	50000.00
402-3113	8200	TN	90.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	738000.00
402-3143	19800	TN	85.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	1683000.00
413-1000	145000	GL	2.50	BITUM TACK COAT	362500.00
441-0016	500	SY	50.00	DRIVEWAY CONCRETE, 6 IN TK	25000.00
441-0104	6000	SY	45.00	CONC SIDEWALK, 4 IN	270000.00
441-0600	50	CY	1000.00	CONC HEADWALLS	50000.00
441-0740	200	SY	40.00	CONCRETE MEDIAN, 4 IN	8000.00
441-4030	500	SY	60.00	CONC VALLEY GUTTER, 8 IN	30000.00
441-6222	15520	LF	20.00	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	310400.00
441-6740	15825	LF	20.00	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	316500.00
550-1180	5740	LF	60.00	STORM DRAIN PIPE, 18 IN, H 1-10	344400.00
550-1240	380	LF	60.00	STORM DRAIN PIPE, 24 IN, H 1-10	22800.00
550-1360	2480	LF	90.00	STORM DRAIN PIPE, 36 IN, H 1-10	223200.00
550-1480	130	LF	140.00	STORM DRAIN PIPE, 48 IN, H 1-10	18200.00
550-1540	350	LF	170.00	STORM DRAIN PIPE, 54 IN, H 1-10	59500.00
550-1605	180	LF	290.00	STORM DRAIN PIPE, 60 IN, H 30-35	52200.00
550-1720	180	LF	265.00	STORM DRAIN PIPE, 72 IN, H 1-10	47700.00
550-4218	8	EA	700.00	FLARED END SECTION 18 IN, STORM DRAIN	5600.00
550-4224	6	EA	900.00	FLARED END SECTION 24 IN, STORM DRAIN	5400.00
550-4242	1	EA	1800.00	FLARED END SECTION 42 IN, STORM DRAIN	1800.00
610-2700	6000	SY	4.50	REM CONCRETE	27000.00
610-5715	20	EA	570.00	REM CATCH BASIN, DROP INLET OR JCT BOX	11400.00
611-4001	10	EA	2000.00	RECONSTR MINOR DRAINAGE STR	20000.00
611-4003	10	EA	2200.00	RECONSTRUCT MISC DRAINAGE STRUCTURE	22000.00
611-4890	1000	LF	8.00	RESET FENCE - PROJECT STP-00MS(5)	8000.00
611-5480	25	EA	3200.00	RESET LIGHTING STANDARD	80000.00
611-5551	10	EA	820.00	RESET SIGN	8200.00
611-8000	10	EA	1700.00	ADJUST CATCH BASIN TO GRADE	17000.00
643-1132	2000	LF	10.00	CH LK FENCE, ZC COAT, 4 FT, 9 GA	20000.00
668-1100	70	EA	2700.00	CATCH BASIN, GP 1	189000.00

668-2100	23	EA	2600.00	DROP INLET, GP 1	59800.00
668-4300	8	EA	2500.00	STORM SEWER MANHOLE, TP 1	20000.00
999-9999	1	Lump Sum	60000.00	MEDIAN LANDSCAPING	60000.00
Section Sub Total:					\$9,279,850.00

Section Signing & Marking

Item Number	Quantity	Units	Unit Price	Item Description	Cost
647-9999	1	Lump Sum	200000.00	PERMANENT SIGNS	200000.00
653-0120	55	EA	80.00	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	4400.00
653-0130	4	EA	110.00	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	440.00
653-0170	2	EA	90.00	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	180.00
653-1501	25000	LF	1.00	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	25000.00
653-1502	20000	LF	1.00	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	20000.00
653-3501	17050	GLF	1.00	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	17050.00
653-6006	800	SY	4.00	THERMOPLASTIC TRAF STRIPING, YELLOW	3200.00
654-1001	100	EA	5.00	RAISED PVMT MARKERS TP 1	500.00
654-1003	400	EA	5.00	RAISED PVMT MARKERS TP 3	2000.00
Section Sub Total:					\$272,770.00

Section Signalization

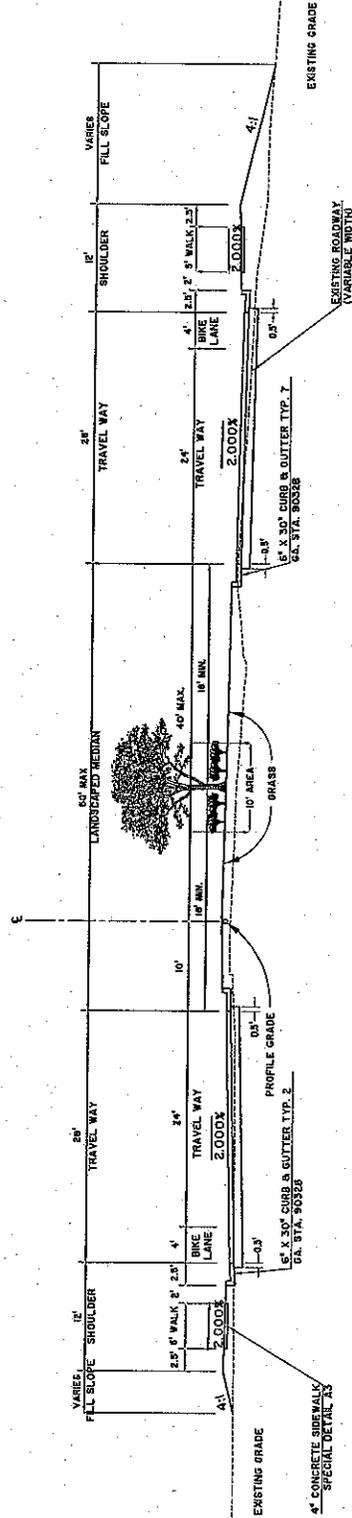
Item Number	Quantity	Units	Unit Price	Item Description	Cost
639-3014	16	EA	10000.00	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE ARM	160000.00
647-1000	4	LS	60000.00	TRAFFIC SIGNAL INSTALLATION NO -	240000.00
647-5230	2	EA	7000.00	SIGNAL ASSEMBLY, FLASHING SCHOOL, COMPLETE	14000.00
647-6090	24	EA	900.00	LOOP DETECTOR -	21600.00
Section Sub Total:					\$435,600.00

Section Erosion Control - Permanent

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-1024	450	SY	90.00	STN PLAIN RIP RAP, 24 IN	40500.00
603-7000	450	SY	5.00	PLASTIC FILTER FABRIC	2250.00
700-6910	35	AC	1000.00	PERMANENT GRASSING	35000.00
700-7000	10	TN	70.00	AGRICULTURAL LIME	700.00
700-8000	10	TN	350.00	FERTILIZER MIXED GRADE	3500.00
702-9020	2000	SY	3.50	MULCH	7000.00
Section Sub Total:					\$88,950.00

Total Estimated Cost: \$10,300,620.00

PROJECT NO.: STP-00MS(5)
 COUNTY: CHATHAM



TYPICAL SECTION - LANDSCAPED MEDIAN
 RAISED MEDIAN WITH TYPE B MEDIAN CROSS-OVERS
 STATION 44+10± TO STATION 44+50±

WHITFIELD AVENUE WIDENING
 TYPICAL SECTION

PREPARED BY:
 THOMAS & HUTTON ENGINEERING CO.
 SAVANNAH, GEORGIA
 J-11775.02
 NTS