

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSSTP-0006-00(803), Cobb County
P.I. No. 0006803
South Hurt Road Sidewalk
From Concord Road to East-West Connector

OFFICE: Chamblee/Metro
DATE: September 29, 2009

FROM: Rachel Brown, Metro District Engineer

TO: Genetha Rice-Singleton, Assist. Director of Preconstruction

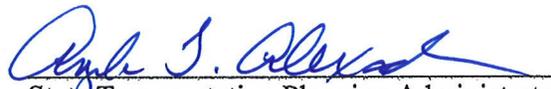
SUBJECT: REVISED PROJECT CONCEPT REPORT

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

The proposed route of the Sidewalk has been revised to reduce the overall project length by adjusting the northern project terminus to the south approach slab of the East-West Connector Bridge therefore, alleviating the need to perform modifications to the existing bridge parapets thus reducing the overall construction schedule. Cobb County Maintenance Department will undertake the modifications to the bridge under CCDOT P.I. Number D7010, phase 2 to allow for sidewalk connectivity across the East-West Connector Bridge therefore, it is recommend that the proposed revision to the concept be approved for implementation. All other design features will remain as proposed in the approved concept report.

The revised concept is 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: 3-31-10


State Transportation Planning Administrator

Attachment

cc: Ron Wishon, State Transportation Engineering Administrator
Glen Bowman, State Environmental / ~~Location Engineer~~ Adm.
Keith Golden, State Traffic Operations Engineer
Angela Alexander, State Acting Director of Planning & Transportation Data
Angela Whitworth, Office of Financial Management Administrator
Paul Liles, State Bridge and Structural Design Engineer

Recommendation on file KKF 4/2/10

REVISED PROJECT CONCEPT REPORT

Need and Purpose:

South Hurt Road is a school bus route for Cobb County schools as well as a travel route for students who attend either Russell Elementary School or Covered Bridge Montessori school located on the east side of South Hurt Road at Covered Bridge Place. It also provides limited access to the Silver Comet Trail. A major residential development (Barnes Mill at Covered Bridge) is under construction just north of the Silver Comet Trail.

A 5 foot ADA compliant sidewalk extending along the west side of South Hurt Road from Concord Road to the north side of the East-West Connector Bridge would provide safe passage for pedestrians along this route. It will also help connect several subdivisions in the area to the two schools stated above. The objective of this project is not to add capacity but to provide a safe pedestrian facility. This project will tie into Cobb County project number D7010, which provides a 5 foot sidewalk on the west side of South Hurt Road from the north side of the East-West Connector bridge to Russell Elementary School. This project was completed in the summer of 2007.

Project location:

The length of this project is approximately 0.70 miles along the west side of South Hurt from mile post 0.00 to 0.70 located in Cobb County.

Description of the approved concept:

This project consists of the addition of curb and gutter with a 5 foot ADA compliant sidewalk along the west side of South Hurt Road from milepost 0.00 to 0.70. Sections with existing curb & gutter and sidewalk along the west side will be retained; but the existing substandard wheelchair ramps will be removed and replaced to comply with ADA requirements. The existing bridge parapet is 32 inches tall and was designed for a rural roadway. The parapet will be raised to a height of 50 inches in order to accommodate pedestrian traffic. There is also a bottomless culvert over Concord Creek that was recently constructed by Cobb County DOT but the culvert was constructed long enough to accommodate the proposed sidewalk and no further improvements to the culvert are required. Curb and gutter was also constructed to facilitate the proposed sidewalk project. In general, typical section will consist of construction of a 30 inch curb and gutter, with a 2 foot stamped concrete strip and a 5 foot ADA compliant sidewalk.

PDP Classification: Major _____ Minor X

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

Functional Classification: Urban Local Street

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

State Route Number(s): N/A

Traffic (AADT) as shown in the approved concept:

Current Year (2009): 1970 Design Year (2029): 2400

Proposed features to be revised:

The northern terminus along South Hurt Road is proposed to be moved from the north side of the East-West Connector Bridge to the South side of the bridge. Cobb County Department of Transportation Maintenance Division is slated to construct the sidewalk portion along the existing bridge (CCDOT P.I. Number D7010, phase 2) prior to the construction of the South Hurt Sidewalk Project (P.I. Number 0006803) to provide a continuous ADA compliant sidewalk along the South Hurt Road Corridor. Construction of the bridge modifications is slated for October 2009.

Describe the revised feature(s) to be approved:

The original length of the project was approximately 0.70 miles beginning at the intersection of Concord Road and proceeding along the west side of South Hurt Road and terminating at the north side of the East-West Connector Bridge. The revised length of this project has been reduced to approximately 0.68 miles beginning at the intersection of Concord Road and proceeding along the west side of South Hurt Road and terminating at the south side of the East-West Connector Bridge from mile post 0.00 to 0.68 located in Cobb County. The proposed sidewalk along the west side of South Hurt Road will terminate at the approach slab of the East-West Connector Bridge. The proposed sidewalk typical section and the required R/W have not been affected by this modification.

Updated traffic data (AADT):

Current Year (2011): 2010 Design Year (2031): 2449

Programmed:

P.E. Local R/W: Jan - 2010 Construction: April - 2011

VE Study Required Yes() No(X)

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

The project is included in the FY 2008-2013 Transportation Improvement Program by the ARC as project number CO-AR-BP217 (CSCMQ-0006-00(803) and is modeled as a pedestrian facility and will not add capacity. As such, it is exempt from air quality analysis.

Recommendation:

The modification to reduce the overall project length by adjusting the northern terminus to the south approach slab of the East-West Connector Bridge will alleviate the need to

perform modifications to the existing bridge parapets thus reducing the overall construction schedule. Cobb County Maintenance Department will undertake the modifications to the bridge to allow for sidewalk connectivity across the East-West Connector Bridge therefore, it is recommend that the proposed revision to the concept be approved for implementation.

Attachments:

1. Sketch Map
2. Cost Estimate
 - a. Construction including E&C
 - b. Right of Way
 - c. Fuel Price Adjustment
3. Typical Section
4. Concept Layout Plan
 - a. Approved Concept Layout
 - b. Revised Concept Layout

Concur:

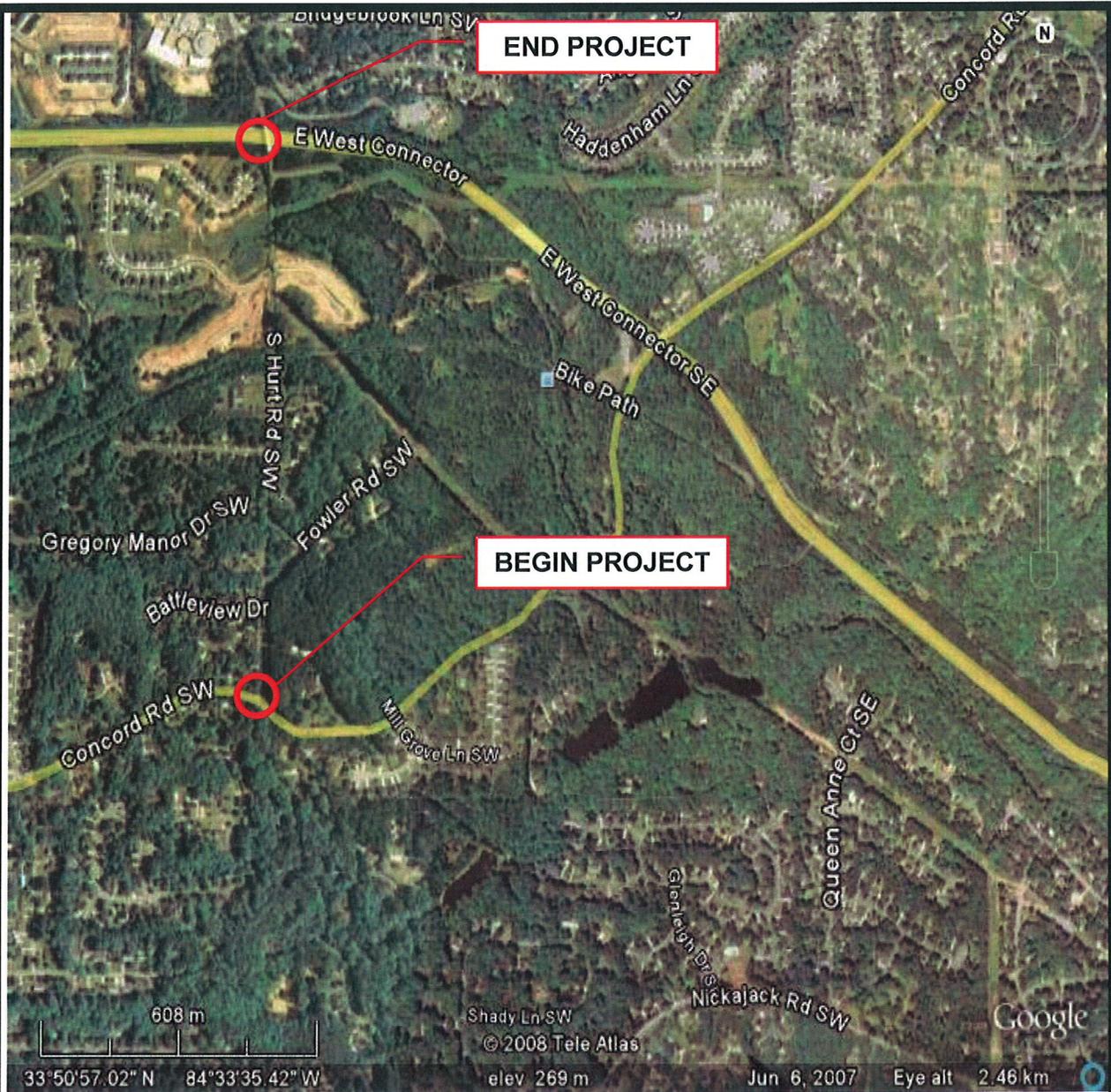


Director of Preconstruction

Approve:



Chief Engineer



Project Layout Map
 South Hurt Road Sidewalk Project

Estimate Report for file "S Hurt Road Sidewalk CSCMQ-0006-00 (803)"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	25000.00	TRAFFIC CONTROL - CSCMQ-0006-00(803)	25000.00
210-0100	1	LS	40000.00	GRADING COMPLETE - CSCMQ-0006-00(803)	40000.00
310-1101	220	TN	18.67	GR AGGR BASE CRS, INCL MATL	4107.40
318-3000	25	TN	22.73	AGGR SURF CRS	568.25
402-3103	40	TN	67.59	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME	2703.60
413-1000	20	GL	2.00	BITUM TACK COAT	40.00
441-0014	35	SY	31.82	DRIVEWAY CONCRETE, 4 IN TK	1113.70
441-0104	2000	SY	33.87	CONC SIDEWALK, 4 IN	67740.00
441-4020	65	SY	39.52	CONC VALLEY GUTTER, 6 IN	2568.80
441-6012	2200	LF	15.04	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	33088.00
500-9999	50	CY	196.18	CLASS B CONC, BASE OR PVMT WIDENING	9809.00
550-1180	993	LF	36.27	STORM DRAIN PIPE, 18 IN, H 1-10	36016.11
550-4218	1	EA	551.07	FLARED END SECTION 18 IN, STORM DRAIN	551.07
611-3000	1	EA	2438.00	RECONSTR CATCH BASIN, GROUP 1	2438.00
634-1200	15	EA	93.93	RIGHT OF WAY MARKERS	1408.95
641-1200	125	LF	16.69	GUARDRAIL, TP W	2086.25
641-5001	1	EA	673.15	GUARDRAIL ANCHORAGE, TP 1	673.15
641-5012	1	EA	1812.79	GUARDRAIL ANCHORAGE, TP 12	1812.79
668-1100	9	EA	2634.38	CATCH BASIN, GP 1	23709.42
668-5000	1	EA	1861.20	JUNCTION BOX	1861.20
668-8011	22	SF	103.65	SAFETY GRATE, TP 1	2280.30
Section Sub Total:					\$259,575.99

Section EROSION CONTROL - PERMANENT					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	24	SY	34.43	STN DUMPED RIP RAP, TP 3, 18 IN	826.32
603-7000	24	SY	5.36	PLASTIC FILTER FABRIC	128.64
700-6910	1	AC	899.19	PERMANENT GRASSING	899.19
700-7000	2	TN	66.81	AGRICULTURAL LIME	133.62
700-7010	3	GL	20.41	LIQUID LIME	61.23
700-8000	2	TN	382.77	FERTILIZER MIXED GRADE	765.54
700-8100	50	LB	2.45	FERTILIZER NITROGEN CONTENT	122.50
Section Sub Total:					\$2,937.04

Section EROSION CONTROL - TEMPORARY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	477.88	TEMPORARY GRASSING	477.88
163-0240	10	TN	187.98	MULCH	1879.80
163-0503	1	EA	442.20	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	442.20
163-0520	100	LF	12.55	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	1255.00
163-0530	200	LF	2.42	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	484.00
163-0550	11	EA	219.94	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	2419.34
165-0010	1000	LF	0.87	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	870.00
165-0030	500	LF	1.03	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	515.00
165-0070	100	LF	2.83	MAINTENANCE OF BALED STRAW EROSION CHECK	283.00
165-0087	1	EA	113.48	MAINTENANCE OF SILT CONTROL GATE, TP 3	113.48
165-0105	11	EA	78.69	MAINTENANCE OF INLET SEDIMENT TRAP	865.59
167-1000	2	EA	783.30	WATER QUALITY MONITORING AND SAMPLING	1566.60
167-1500	6	MO	905.40	WATER QUALITY INSPECTIONS	5432.40
171-0010	2000	LF	2.69	TEMPORARY SILT FENCE, TYPE A	5380.00
171-0030	1000	LF	3.92	TEMPORARY SILT FENCE, TYPE C	3920.00

716-2000	500	SY	0.95	EROSION CONTROL MATS, SLOPES	475.00
Section Sub Total:					\$26,379.29

Section SIGNING AND PAVEMENT MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	11	SF	15.52	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	170.72
636-1033	32	SF	20.24	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	647.68
636-1041	8	SF	37.36	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	298.88
636-2070	93	LF	8.74	GALV STEEL POSTS, TP 7	812.82
652-5701	130	LF	1.92	SOLID TRAF STRIPE, 24 IN, WHITE	249.60
652-5801	850	LF	1.01	SOLID TRAF STRIPE, 8 IN, WHITE	858.50
Section Sub Total:					\$3,038.20

Total Estimated Cost: \$291,930.52

Subtotal Construction Cost	\$291,930.52
E&C Rate 1.0 %	\$2,919.31
Inflation Rate 0.0 % @ 0 Years	\$0.00
<hr/>	
Total Construction Cost	\$294,849.83
Right Of Way	\$130,000.00
ReImb. Utilities	\$0.00
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Grand Total Project Cost	\$424,849.83

Preliminary Right of Way Cost Estimate

Date: December 16, 2008

Project: South Hurt Road Sidewalks

Existing/Required R/W:

Project Termini: Concord Road to

Project Description:

Land:

Commercial	s.f @ \$	/s.f. = \$	
Industrial	s.f @ \$	/s.f. = \$	
Residential	52270 s.f @ \$	1.15/s.f. = \$60,110	
Agricultural	s.f @ \$	/s.f. = \$	
TOTAL			<u>\$60,110</u>

P.I. Number: 0006803

No. Parcels: 17

Improvements:

Relocation:

Commercial @ \$25,000/parcel	=	\$	
Residential @ \$40,000/parcel	=	\$	
TOTAL			\$

Damages: Proximity	\$	
Consequential	\$	
Cost to Cure	\$	

TOTAL \$

SUB-TOTAL: **\$60,110**

Net Cost		\$60,110
Scheduling Contingency	55 %	\$33,060
Adm/Court Cost	60 %	\$36,066
TOTAL		<u>\$129,236</u>

Total Cost **\$129,236**

Prepared By: STEVE TIEDÉMAN

Reviewed / Approved: _____

Howard P. Copeland
R/W Administrator

Note: Accuracy of estimate is the sole responsibility of the Preparer.

Note: The Market Appreciation(40%) is not included in this Preliminary Cost Estimate.

REVISED: 2-8-08

P.I. Number 0006803

County COBB

Date 9/29/2009

Project Number CSCMQ-0006-00(803)

**Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)**

ENTER FPL DIESEL	2.592
ENTER FPM DIESEL	5.832

ENTER FPL UNLEADED	2.444
ENTER FPM UNLEADED	5.499

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310 (TON)	220.000	0.29	63.80	0.24	52.80	
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	40.000	2.90	116.00	0.71	28.40	
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class __ Concrete (CY) Section 500	50.00	196.18	9.8090	8.00	78.47	1.50	14.71	Class B Conc, Base or Pvmnt Widening
Class __ Concrete (CY) Section 500				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		
Bar Reinf Steel (LB) Section 511				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Pile Encasement,____ (LF) Section 547				8.00		1.50		
Pile Encasement,____ (LF) Section 547				8.00		1.50		

SUM QF DIESEL=	258.27	SUM QF UNLEADED=	95.91
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DIESEL PRICE ADJUSTMENT(\$)	\$769.86
UNLEADED PRICE ADJUSTMENT(\$)	\$269.57

**ASPHALT CEMENT PRICE ADJUSTMENT FOR
TACK COAT(Surface Treatment 125% MAX)**

BITUMINOUS

APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

ENTER APL

ENTER APM

MISSING APL OR APM

MISSING APL OR APM

Use this side for Asphalt Emulsion Only		
L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT =		<input type="text"/>
REMARKS:		

Use this side for Asphalt Cement Only		
L.I.N.	TYPE	TACK (GALLONS)
TMT =		<input type="text"/>
REMARKS:		

MONTHLY PRICE ADJUSTMENT(\$)

MISSING APL OR APM

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)

DIESEL PRICE ADJUSTMENT(\$) \$769.86

UNLEADED PRICE ADJUSTMENT(\$) \$269.57

ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX) \$40.92

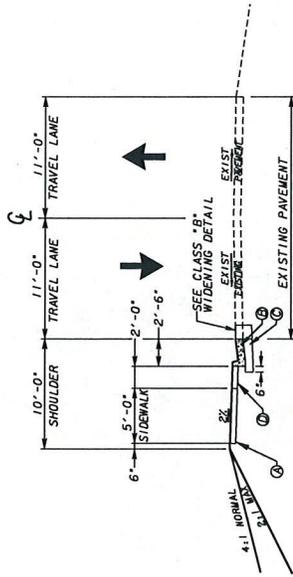
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX \$952.80

ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX) MISSING APL OR APM

REMARKS:

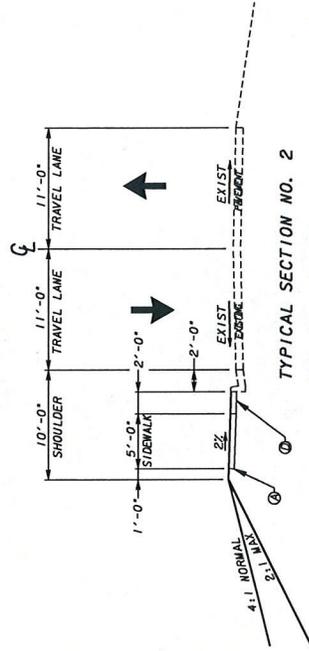
TOTAL ADJUSTMENTS

\$2,033.16



TYPICAL SECTION NO. 1

STA 10+94 TO STA 13+11
 STA 13+41 TO STA 22+18
 STA 27+76 TO STA 37+66
 STA 42+21 TO STA 46+37

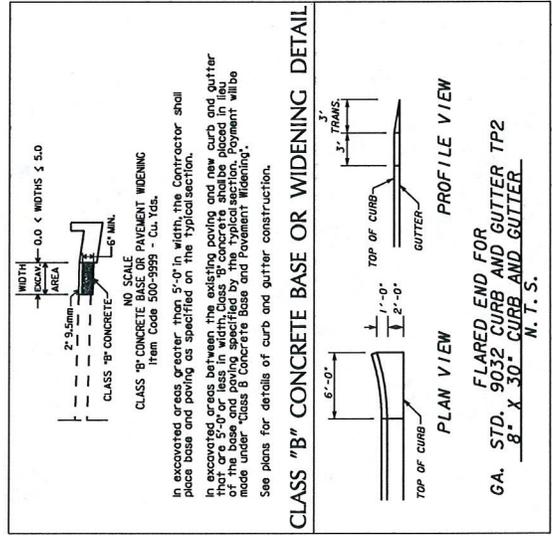


TYPICAL SECTION NO. 2

STA 13+11 TO STA 13+25
 STA 22+18 TO STA 27+76
 STA 38+46 TO STA 42+21

REQUIRED PAVEMENT
 ④ 4" CONCRETE SIDEWALK
 ⑤ GA. STD. 9032B-TYPE 2, CURB & GUTTER, 6" x 30"
 ⑥ GRADED AGGREGATE BASE, 6"
 ⑦ 4" COLORED STAMPED CONCRETE SIDEWALK

SLOPE CONTROLS
 SLOPE CUT FILL
 4:1 0'-6" 0'-10"
 2:1 OVER 6' OVER 6'
 *NOTE: ALL FILL SLOPES >4:1 AND >6' REQUIRE GUARDRAIL TO BE CONSISTENT WITH CA STD 4000W



CLASS "B" CONCRETE BASE OR WIDENING DETAIL

In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section.
 In excavated areas between the existing paving and new curb and gutter, the Contractor shall place base and paving as specified on the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".
 See plans for details of curb and gutter construction.

NO SCALE
 CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
 Item Code 500-9959 - Cu. Yds.
 GA. STD. 9032 CURB AND GUTTER TP2
 8" X 30" CURB AND GUTTER
 N. T. S.

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: DISTRICT 7
 SOUTH HURT ROAD
 SIDEWALK PROJECT

REVISION DATES

NOT TO SCALE

Hatch Mott MacDonald
 2859 Heritage Ct. SE, Suite 200 Atlanta, GA 30339

DRAWING NO. 5-01

**SOUTH HURT ROAD
SIDEWALK PROJECT**



E West Connector

END PROJECT

M/S PRITCH'S

Gregory Manor Dr SW

Fowler Rd SW

Battleview Dr

Concord Rd SW

Mill Grove Ln SW



**SOUTH HURT ROAD
SIDEWALK PROJECT**

