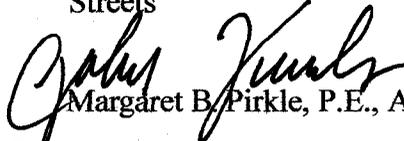


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 731870- , Fulton County **OFFICE** Preconstruction
STP-114-1(105)
SR 9 in Roswell @ King/Chattahoochee **DATE** June 12, 2006
Streets

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

TO *for* SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your file(s) is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keeper
Ken Thompson
Michael Henry
Keith Golden
Joe Palladi
Paul Liles
Brent Story
Bryant Poole
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE STP-114-1(105) Fulton County
P.I. No.: 731870

Date: May 22, 2006

FROM: Brent Story
TO: Meg Pirkle
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 typical section has been changed since the concept was originally submitted and approved. The original typical section consisted of two 12-ft through lanes in each direction, a raised center median with left-turn lanes and curb and gutter and 5-ft sidewalks on each side of the roadway. The revised concept typical section consists of two 11-ft through lanes in each direction, a flush center median for left-turns and curb and gutter and 5-ft sidewalks on each side of the roadway. Additionally, the City desires that street trees to be placed along the shoulder, in accordance with GDOT policy for clearances. These revisions have been made at the request of the City of Roswell.

The realignment of the side streets of Chattahoochee Street and King Street proposed in the approved concept would be eliminated and the existing intersection would remain, with a left-turn lane for northbound traffic.

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

DATE

6-5-06


State Transportation Planning Administrator

Distribution:

Brian Summers, *Project Review Engineer*
Keith Golden, *State Traffic Safety and Design Engineer*
Harvey Keepler, *State Environmental/Location Engineer*
Joseph Palladi, *State Transportation Planning Engineer*
Jamie Simpson, *State Financial Management Administrator*
Bryant Poole, *District 7 Engineer*

REVISED PROJECT CONCEPT REPORT
STP-114-1(105)
P.I. NO 731870

Need and Purpose:

The existing intersection suffers from congestion and a high accident rate and is in need of improvements to provide safe and efficient traffic operation for the traveling public. Through the use of local funds from the 1998 Sales Tax Program, City of Roswell is implementing this project to improve traffic operation at this intersection.

Project Location:

The City of Roswell is located in northern Fulton County. State Route (SR) 9 (Atlanta Highway) is a major North-South arterial roadway that enters the City from the south as it crosses the Chattahoochee River. From the river north to the intersection with King Street/Chattahoochee Street, SR 9 is three-lane road that uses a reversible lane system to accommodate commuter traffic. The Chattahoochee Street/King Street intersection is approximately 1000 feet south of the SR 120 intersection with SR 9. The land use along SR 9 is a mix of multifamily residential, institutional and commercial. Chattahoochee Street is a residential street that intersects with King Street, another residential street. These two streets intersect each other at SR 9, creating a "three-way" intersection on the west side of SR 9. There is no intersecting street across SR 9 from the Chattahoochee Street/King Street intersection.

Description of the approved concept:

The project would relocate the existing Chattahoochee Street/King Street intersection +/- 500 feet south from the existing location by realigning Chattahoochee Street and bringing it into SR 9 at a 90-degree angle. The realignment would also eliminate the King Street intersection with SR 9 by turning King Street south to intersect with Chattahoochee Street west of SR 9.

The project would provide 20-foot wide median with left-turn lanes on the northbound SR 9 approach, and 12-foot wide travel lanes with a 12-foot wide urban shoulder, containing a 5-foot wide sidewalk, on both sides of each road. A traffic signal would be provided at the relocated intersection.

PDP Classification:

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

Functional Classification:

Principal Major Arterial

U.S. Route Number(s):

none

State Route Number(s):

SR 9

Traffic (AADT) as shown in the approved concept:

Current Year: 42,650 (2003 AADT)

Design Year: 61,800 (2023 AADT)

Proposed Features to be revised:

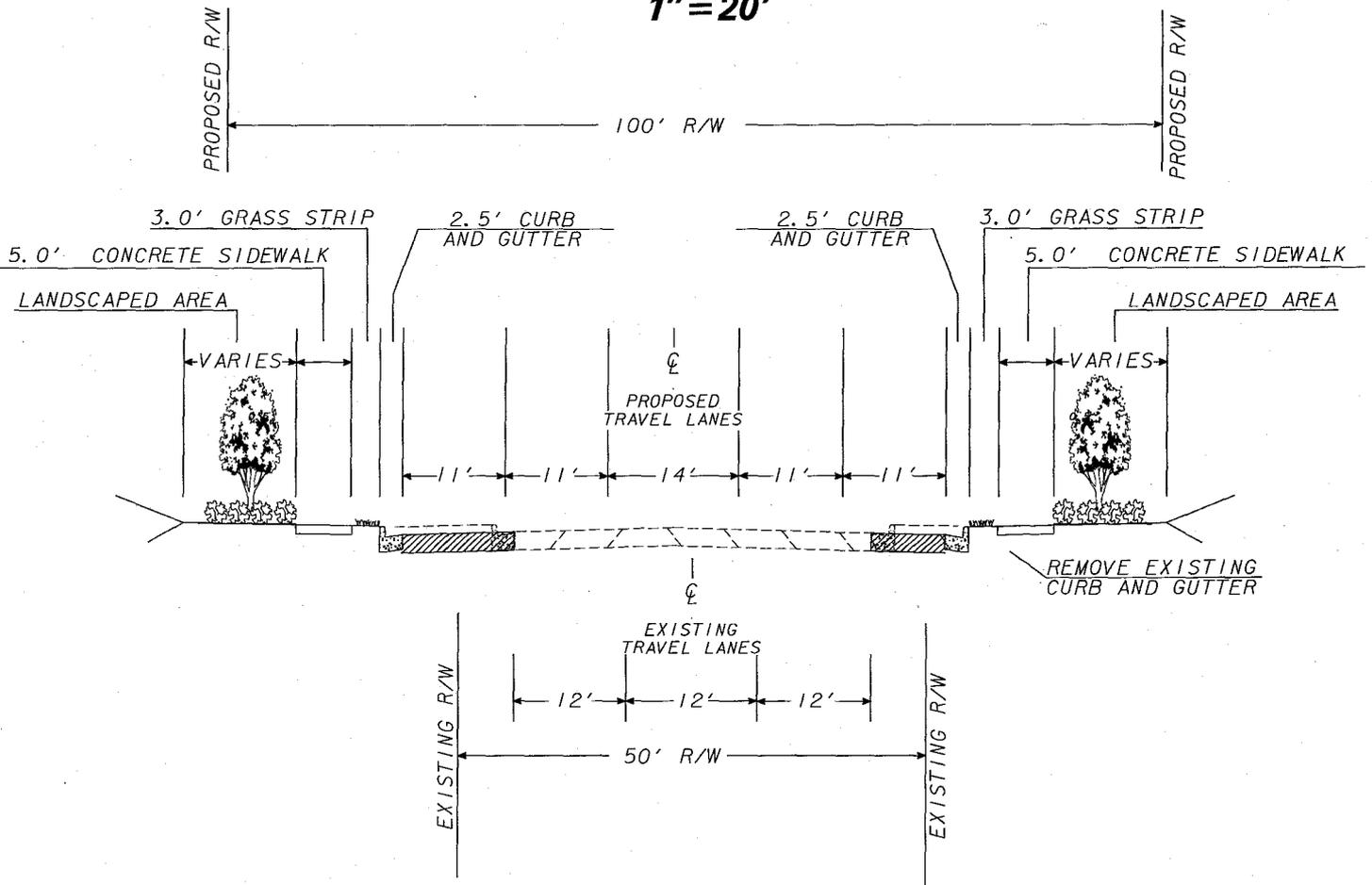
Typical Section:

The revision to the typical section is to reduce the through lane width from 12-feet in width to 11-feet in width. The 20-foot wide raised median would be changed to a 14-foot wide flush

**City of Roswell, GA Streetscape
GDOT project # STP-114-1 (105)
P.I. # 731870
State Route 9**

TYPICAL SECTION

1" = 20'



**ALPHARETTA STREET
STATE ROUTE 9**

**PROJECT: SR-9 CHATTAHOOCHEE -KING STREET ROSWELL
 PRELIMINARY CONSTRUCTION COST ESTIMATE
 R.K. SHAH & ASSOCIATES, INC. 7-05-02, Rev. 1-27-06
 COST ESTIMATE**

P1. 7311879

ITEM #	ITEM	UNIT	ERR	UNIT COST	COST
	ROADWAY				
150-1000	TRAFFIC CONTROL - PROJECT # STP - 114-1(105)	LS	ERR	LUMP SUM	\$20,000.00
210-0100	GRADING COMPLETE - PROJECT # STP - 114(105)	LS	ERR	LUMP SUM	\$80,400.00
310-5060	GR AGGR BASE CRS 6 IN, INCL MATL	SY	3050	\$7.00	\$21,350.00
310-5080	GR AGGR BASE CRS 8 IN, INCL MATL	SY	9280	\$10.00	\$92,800.00
318-3000	AGGR SURF CRS	TN	200	\$17.00	\$3,400.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	2460	\$41.50	\$102,090.00
402-8012	RECYCLED 2 IN ASPH CONC B, GP 1 OR 2, INCL BITUM MATL & H LIME	SY	9250	\$10.30	\$95,275.00
402-8306	RECYCLED 3 IN ASPH CONC BASE, GP1 OR 2, INCL BITUM MATL & H LIME	SY	7400	\$15.00	\$111,000.00
402-8490	RECYCLED 1 1/2 IN ASPH CONC B, GP 2 ONLY, INCL BITUM MATL & H LIME	SY	17650	\$8.50	\$150,025.00
413-1000	BITUM TACK COAT	GL	970	\$1.00	\$970.00
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	120	\$29.00	\$3,480.00
441-0104	CONCRETE SIDEWALK, 4 IN	SY	2650	\$30.00	\$79,500.00
441-0748	CONCRETE MEDIAN, 6 IN	SY	785	\$27.00	\$21,195.00
441-4020	CONC VALLEY GUTTER, 6 IN.	SY	50	\$35.00	\$1,750.00
441-4030	CONC VALLEY GUTTER, 8 IN.	SY	430	\$43.00	\$18,490.00
441-4050	CONC VALLEY GUTTER WITH CURB, 8 IN.	SY	660	\$44.00	\$29,040.00
441-5002	CONCRETE HEADER CURB, 6 IN TP 2	LF	185	\$23.00	\$4,255.00
441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	6200	\$13.00	\$80,600.00
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	200	\$155.00	\$31,000.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	2190	\$33.00	\$72,270.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	111	\$40.00	\$4,440.00
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	EA	2	\$526.00	\$1,052.00
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	200	\$10.00	\$2,000.00
634-1200	RIGHT OF WAY MARKER	EA	65	\$89.00	\$5,785.00

CT

PROJECT: SR-9 CHATTAHOOCHEE-KING STREET ROSWELL
 PRELIMINARY CONSTRUCTION COST ESTIMATE
 R.K. SHAH & ASSOCIATES, INC. 7-05-02, Rev. 1-27-06

COST ESTIMATE

ITEM #	ITEM	UNIT	ERR	UNIT COST	COST
668-1100	CATCH BASIN, GP 1	EA	23	\$1,788.00	\$41,124.00
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LF	13	\$195.00	\$2,535.00
668-2100	DROP INLET, GP 1	EA	3	\$2,685.00	\$8,055.00
668-2110	DROP INLET, GP. 1 ADDL DEPTH	LF	3	\$248.00	\$744.00
668-4300	STORM SEWER MANHOLE, TP. 1	EA	1	\$1,822.00	\$1,822.00
PERMANENT EROSION PROTECTION					
603-2036	STN DUMPED RIP RAP, TP 1, 36 IN	SY	8	\$80.00	\$640.00
700-6910	PERMANENT GRASSING	AC	1	\$785.00	\$1,020.50
700-7000	AGRICULTURAL LIME	TN	3	\$58.00	\$174.00
700-7010	LIQUID LIME	GAL	4	\$19.00	\$76.00
700-8000	FERTILIZER MIXED GRADE	TN	2	\$265.00	\$530.00
700-8100	FERTILIZER NITROGEN CONTENT	LB	61	\$1.60	\$97.60
716-2000	EROSION CONTROL MATS, SLOPES	SY	4560	\$1.10	\$5,016.00
TEMPORARY EROSION PROTECTION					
163-0232	TEMPORARY GRASSING	AC	1	\$480.00	\$288.46
163-0240	MULCH	TN	5	\$197.00	\$1,065.50
163-0503	CONSTRUCT & REMOVE SILT CON GATE, TP 3	EA	1	\$486.00	\$486.00
163-0550	CONSTRUCT & REMOVE INLET SEDIMENT TRAPS	EA	27	\$241.00	\$6,507.00
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LF	2190	\$1.10	\$2,409.00
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE C	LF	550	\$1.20	\$660.00
165-0087	MAINTENANCE OF SILT CON GATE, TP 3	EA	1	\$175.00	\$175.00
165-0105	MAINTENANCE OF INLET SEDIMENT TRAPS	EA	27	\$85.00	\$2,295.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	2190	\$1.90	\$4,161.00
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	550	\$3.20	\$1,760.00

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PROJECT: SR-9 CHATTAHOOCHEE -KING STREET ROSWELL
 PRELIMINARY CONSTRUCTION COST ESTIMATE
 R.K. SHAH & ASSOCIATES, INC. 7-05-02, Rev. 1-27-06

COST ESTIMATE

ITEM #	ITEM	UNIT	ERR	UNIT COST	COST
	TRAFFIC SIGNALIZATION	LS	LUMP SUM	LUMP SUM	\$90,000.00
	SIGNING AND MARKING	LS	LUMP SUM	LUMP SUM	\$12,500.00
	ENGINEER FIELD OFFICE	EA	1	\$60,000.00	\$60,000.00
	SUBTOTAL CONSTRUCTION COST				\$1,175,908.06
	E & C (10 %)				\$117,590.81
	INFLATION (3 % / YEAR) - 3 YEARS				\$109,038.43
	TOTAL CONSTRUCTION COST (FY 09)				\$1,402,537.29
	REIMBURSIBLE UTILITY (FY 09)				\$100,000.00
	RIGHT OF WAY (FY 08)				\$1,211,000.00
	TOTAL PROJECT COST (FY 08/09)				\$2,713,537.29
	TOTAL PROJECT COST (FY 08/09)				\$2,715,000.00

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R K SHAH

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