

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #0009439 **OFFICE** Design Policy & Support
GDOT District 3 - Thomaston
Chattahoochee County **DATE** October 31, 2011
Chattahoochee County Elementary School SRTS

FROM  Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Genetha Rice-Singleton, Program Control Administrator
Bobby Hilliard, State Program Delivery Engineer
Cindy VanDyke, State Transportation Planning Administrator
Angela Robinson, Financial Management Administrator
Glenn Bowman, State Environmental Administrator
Kathy Zahul, State Traffic Engineer
Georgene Geary, State Materials & Research Engineer
Ron Wishon, State Project Review Engineer
Jeff Baker, State Utilities Engineer
Ken Thompson, Statewide Location Bureau Chief
Michael Henry, Systems & Classification Branch Chief
David Millen, District Engineer
Bill Rountree, District Preconstruction Engineer
Kerry Gore, District Utilities Engineer
Derrick Cameron, Project Manager
BOARD MEMBER - 2nd Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

SAFE ROUTES TO SCHOOL

County: Chattahoochee
P. I. Number: 0009439
Federal Route Number: N/A
State Route Number: N/A

Chattahoochee County Elementary School - SRTS

Submitted for approval: (Submit to "Concept Reports" in Outlook)

DATE 12 August 2011

Sean Johnston, Kimley-Horn and Associates, Inc.
Design Consultant Name and Firm Name

DATE 12 August 2011

[Signature]
Project Manager

Approvals:

Concur: Bobby Hilliard Date: 8-19-2011
State Program Delivery Engineer

Approve: Ad R M: Mz Date: 10/30/11
Director of Engineering

Project Concept Report Page 3
Project Number: N/A
P. I. Number: 0009439
County: Chattahoochee

Need and Purpose:

PI 0009439 is a Safe Routes to School (SRTS) infrastructure project that will improve pedestrian and bicycling accessibility for students within a 2-mile radius of Chattahoochee County Elementary School. The school is located on Merrell Street east of Broad Street in Cusseta.

The SRTS infrastructure program administered by the Federal Highway Administration is intended to promote walking and bicycling by students living within a two-mile radius of a school. The desired outcomes of the SRTS infrastructure program include increased health and fitness for students, as well as accessibility and environmental benefits for the community at large.

Chattahoochee County and the River Valley Regional Commission have identified a need to improve the walking and bicycling network in the vicinity of the school. Due to gaps in existing sidewalks, students walking or bicycling to school must do so along the existing graded roadway shoulder on portions of SR 520/Broad Street, and narrow or damaged sidewalks exist on other portions of Broad Street and Merrell Street. The project will improve pedestrian accessibility through installation of new sidewalks and crosswalk treatments on Broad Street and Merrell Street, as well as replacement of sections of damaged sidewalk on Broad Street. The project will also improve bicycle accessibility by improving sidewalk and crosswalk conditions in the vicinity of the schools, as Georgia code states that local jurisdictions may allow operation of bicycles on sidewalks by persons less than 12 years of age through local ordinance.

Description of the proposed project:

PI 0009439 project consists of installation of new sidewalks, crosswalks, and pedestrian signage in the vicinity of Chattahoochee Elementary School in Cusseta, Georgia.

Existing 3-foot sidewalk along the south side of Merrell Street will be replaced with new 5-foot sidewalk beginning at SR 520/Broad Street and ending at Chattahoochee Elementary School, approximately 650 feet east of Broad Street. Additionally, new 30 inch curb and gutter and associated storm drainage improvements be installed along the south side of Merrell Street.

New sidewalk will be installed on the east side of Broad Street in Cusseta beginning at Sandy Street and ending at Coleman Street. A marked crosswalk will be installed on Broad Street at Sandy Street to connect the proposed sidewalk on the east side of Broad Street with the existing sidewalk on the west side of Broad Street. Additionally, concrete bulb-outs will be installed to shorten the crossing distance across Broad Street. A new bicycle rack will be installed on the Chattahoochee Elementary School property, and two school zone signs with flashers and speed indicating signs will be installed along Broad Street.

High-visibility crosswalks, pedestrian signage, and a concrete pedestrian refuge island will be installed at the intersection of SR 137, McNaughton Street and Broad Street. ADA-compliant ramps and/or landing pads will be constructed at all crosswalks within the project limits.

See attachment #2 for project concept layout.

Is the project located in a PM 2.5 Non-attainment area? Yes No
Is this project located in an Ozone Non-attainment area? Yes No

PDP Classification: Major (), Minor (X)

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

Functional Classification:

SR 520/Broad Street: Rural Major Collector
Merrell Street: Rural Local Road

U. S. Route Number(s): N/A
State Route Number(s): SR520/Broad Street

Traffic (AADT):

SR 520/Broad Street: 750

Existing design features:

- Existing Typical Section:
 - SR 520/Broad Street (Sandy Street to Jefferson Street): One 11' minimum travel lane in each direction, 8' on-street parking lane in each direction, graded shoulders with ditches
 - SR 520/Broad Street (south of Jefferson Street): One 11' minimum travel lane in each direction and graded shoulder
 - Merrell Street: One 11' minimum travel lane in each direction, rural shoulders with 1' grass strip and 3' sidewalk on the south side.
- Posted Speed
 - Broad Street: 35 mph
 - Merrell Street: 25 mph
- Width of Right of Way

In order to be eligible for Safe Routes to School funding, the local government has demonstrated that adequate existing right-of-way is available to construct the proposed project.

 - Broad Street:
 - South of Sandy Street: 70 feet (approximate)
 - North of Sandy Street : 50 feet (approximate)
 - Merrell Street: 60 feet(approximate)
- Major structures: None
- Major interchanges or intersections along project
 - Major Intersections:
 - Broad Street at SR137 and McNaughton Street
- Existing Length of Roadway Segments
 - Broad Street: 0.12 mi
 - Merrell Street: 0.19 mi

Proposed Design Features:

- Proposed Typical Section:
 - Broad Street (Sandy Street to Jefferson Street): One 11' minimum travel lane in each direction with 8-foot on-street parking lane in each direction, graded shoulders on east side, urban shoulders with 30" curb and gutter, variable width (0' to 2') grassed strip and 5' sidewalk on west side.
 - Broad Street (south of Jefferson Street): One 11' minimum travel lane in each direction, graded shoulders on east side, urban shoulders with 30" curb and gutter, variable width (0' to 2') grassed strip and 5' sidewalk on west side.
 - Merrell Street: One 11' minimum travel lane in each direction, graded shoulders on north side, urban shoulders with 30" curb and gutter, variable width (0' to 2') grassed strip and a 5' sidewalk on south side.

- Proposed Design Speed:
 - Broad Street: 35 mph
 - Merrell Street: 25 mph
- Proposed Sidewalk Width: 5' typical, 4' minimum
- Proposed Maximum Sidewalk Cross Slope: 2%
- Proposed Minimum Crosswalk Width: 8 feet
- Right of way
 - Easements: Temporary (), Permanent (), Utility (), Other ().
 - Type of access control: NA
 - Number of parcels: 0
 - Number of displacements:
 - Business: None
 - Residences: None
 - Mobile homes: None
 - Other: None

- Structures: None
- Major intersections along the project:
 - SR 520/Broad Street at SR 137 and McNaughton Street
- Traffic control during construction: Minor temporary closures are anticipated along Broad Street and Merrell Street for installation of new curb and gutter and sidewalk
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)

Project Concept Report Page 6
 Project Number: N/A
 P. I. Number: 0009439
 County: Chattahoochee

BRIDGE STRUCTURAL CAPACITY: () () (X)
 LATERAL OFFSET TO OBSTRUCTION () () (X)

- Design Variances: None Anticipated
- Environmental concerns:
 - None Anticipated
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion: Anticipated
 - Environmental Assessment/Finding of No Significant Impact(FONSI): ()
 - Environmental Impact Statement (EIS) ().
- Utility involvements:
 - Utility facilities located within the project limits include:
 - Gas (Atlanta Gas Light)
 - Power (Georgia Power)
 - Water (Chattahoochee County)
 - Telecommunications (AT&T, Comcast, Verizon)

VE Study Required: Yes () No (X)

Benefit/Cost Ratio: N/A

Project Cost Estimate and Funding Responsibilities:

	PE	ROW	UTILITY	CST	MITIGATION
By Whom	GDOT	N/A	N/A	GDOT	N/A
\$ Amount	\$55,000.00	N/A	N/A	\$293,399.02	N/A

**CST Cost includes: Construction and Engineering and Inspection*

Project responsibilities:

- Design: Consultant/GDOT
- Right of Way Acquisition: N/A
- Right of Way funding (real property): N/A
- Relocation of Utilities: GDOT/Utility Owners
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: Construction Contractor
- Providing detours: N/A
- Environmental Studies/Documents/Permits: Consultant/GDOT
- Environmental Mitigations: GDOT

Coordination

- Concept Meeting date and brief summary: 05/25/2011 - Minutes Attached
- P. A. R. meetings, dates and results: None Required
- FEMA, USCG, and/or TVA: N/A
- Public involvement: N/A
- Local government comments: See Concept Team Meeting Minutes
- Other projects in the area:
 - Resurfacing and Maintenance of Osteen Street in Cusseta; GDOT Project No. LAU00-S005-00(463); PI No. S005463
 - Resurfacing and Maintenance of Old GA 137 in Cusseta; GDOT Project No. LAU00-S007-00(719); PI No. S007719
 - Resurfacing and Maintenance of McNaughton Street in Cusseta; GDOT Project No. LAU06-S008-00(952); PI No. S007719
- Other coordination to date: N/A

Scheduling – Responsible Parties' Estimate

- | | | |
|---|-------------|-----------|
| • Time to complete the environmental process: | Begin: 5/11 | End: 4/12 |
| • Time to complete preliminary construction plans: | Begin: 8/11 | End: 1/12 |
| • Time to complete right-of-way plans: | Begin: n/a | End: n/a |
| • Time to complete the Section 404 Permit: | Begin: n/a | End: n/a |
| • Time to complete final construction plans: | Begin: 1/12 | End: 4/12 |
| • Time to complete the purchase of right-of-way: | Begin: n/a | End: n/a |
| • List other major items that will affect the project schedule: | Begin: n/a | End: n/a |

Alternates considered: (1) Install sidewalk with curb and gutter and storm drainage improvements along the south side of Merrell Street from SR 520/Broad Street to Chattahoochee Elementary School. Install sidewalk with curb and gutter along the east side of Broad Street from Sandy Street to Coleman Street. Install marked crosswalk at where Sandy Street intersects Broad Street and construct bulb-out to shorten the crossing of Broad Street. Install a pedestrian refuge concrete island at the intersection of Broad Street at SR 137 and McNaughton Street in place of existing striped gore area.

(2) Install sidewalk with curb and gutter and storm drainage improvements along the south side of Merrell Street from SR 520/Broad Street to Chattahoochee Elementary School. Install sidewalk with curb and gutter along the east side of Broad Street from Sandy Street to Merrell Street, and along McNaughton Street from Broad Street to Lokie Lane. Install marked crosswalk at where Sandy Street intersects Broad Street and construct bulb-out to shorten the crossing of Broad Street. Install a pedestrian refuge concrete island at the intersection of Broad Street at SR 137 and McNaughton Street in place of existing striped gore area.

(3) No Build.

Comments:

Comparison Summary of Alternates 1-3

Alternate (1) is recommended for this concept.

Alternative (2) is not recommended for this concept. There are numerous potential historic resources and narrow right-of-way along McNaughton Street. Construction of sidewalk inside the right-of-way without affecting cultural resources is not feasible.

Alternate (3) is not recommended for this concept. The no-build alternate would not promote safe walking and bicycling for children attending Chattahoochee Elementary School, as stated in the project need and purpose.

Attachments:

1. Construction Cost Estimate
2. Concept Sketches
3. Concept Typical Sections
4. Concept Team Meeting Minutes (05/25/2011)

DATE : 09/20/2011
PAGE : 1

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

JOB NUMBER : 0009439 SPEC YEAR: 01

DESCRIPTION: SRTS CHATTAHOOCHEE

ITEMS FOR JOB 0009439

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0009	001-1999		*\$*	CONSTRUCTION ENGR INSPECTION	1.000	14000.00	14000.00
0010	150-1000		LS	TRAFFIC CONTROL - 0009439	1.000	40000.00	40000.00
0015	163-0240		TN	MULCH	20.000	256.58	5131.78
0020	163-0350		EA	CONS & REM INLET SEDIMENT TRAP	8.000	90.72	725.78
0025	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	2425.000	0.73	1792.44
0030	165-0105		EA	MAINT OF INLET SEDIMENT TRAP	4.000	53.95	215.83
0035	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	4850.000	2.02	9836.43
0040	210-0100		LS	GRADING COMPLETE - 0009439	1.000	35000.00	35000.00
0045	441-0104		SY	CONC SIDEWALK, 4 IN	1465.000	30.48	44656.91
0050	441-0748		SY	CONC MEDIAN, 6 IN	250.000	32.65	8163.04
0055	441-6222		LF	CONC CURB & GUTTER/ 8"X30"TP2	3140.000	11.31	35543.58
0060	550-1180		LF	STM DR PIPE 18", H 1-10	800.000	35.61	28490.22
0065	550-4218		EA	FLARED END SECT 18 IN, ST DR	4.000	455.46	1821.87
0070	603-7000		SY	PLASTIC FILTER FABRIC	50.000	3.99	199.54
0075	603-2018		SY	STN DUMPED RIP RAP, TP 1, 18"	50.000	39.23	1961.86
0080	636-1033		SF	HWY SIGNS, TP1MAT, REFL SH TP 9	200.000	19.22	3844.57
0085	636-2070		LF	GALV STEEL POSTS, TP 7	250.000	7.91	1979.94
0089	647-5230		EA	SIGNAL ASS, FLASHING SCHOOL, CO	2.000	6204.61	12409.23
0090	653-1704		LF	THERM SOLID TRAF STRIPE, 24", WH	45.000	3.96	178.58
0095	653-1804		LF	THERM SOLID TRAF STRIPE, 8", WH	1540.000	1.83	2827.61
0100	668-1100		EA	CATCH BASIN, GP 1	8.000	2391.88	19135.10
0105	700-7000		TN	AGRICULTURAL LINE	2.000	55.00	110.01
0110	754-6000		EA	BICYCLE RACK	1.000	774.69	774.70
0115	999-4000		EA	SPEED INDICATING FEEDBACK SIGN	2.000	12300.00	24600.00
ITEM TOTAL							293398.99
INFLATED ITEM TOTAL							293398.99

TOTALS FOR JOB 0009439

ESTIMATED COST:

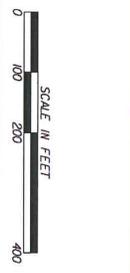
CONTINGENCY PERCENT (0.0) :

ESTIMATED TOTAL:

293399.02
0.00
293399.02



Kimley-Horn and Associates, Inc.
 Engineering, Planning, and Environmental Consultants
 817 W. Peachtree Street NW, Suite 801
 Atlanta, GA 30308



REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY
CONCEPT PLAN

DRAWING NO. **2**

MEETING MINUTES

Date: May 25, 2011
Project: Safe Routes to School Infrastructure Projects
GDOT Project No.: PI 0009439
County: Chattahoochee
Subject: Concept Team Meeting

Attendees:

Derrick Cameron	Georgia Department of Transportation (GDOT)
Nykia Burke	Safe Routes to School Resource Center
Julio Portillo	River Valley Regional Commission (RVRC)
Courtney Grunninger	RVRC
Janice Mueller	Chattahoochee County
Thomas Weaver	Chattahoochee County
Henry Nelson	Chattahoochee County Public Works
Joseph Schroeder	Chattahoochee County Public Works
Sean Johnston	Kimley-Horn and Associates (KHA)
Elise Hipp	KHA

This Safe Routes to School concept team meeting was held on Wednesday, May 25, 2011 at Chattahoochee County Courthouse and in the vicinity of Chattahoochee Education Center located in Cussetta, Georgia to discuss the sponsor's application and concepts for proposed infrastructure improvements in the vicinity of the school. The proposed project consists of sidewalk installation and associated ramp, striping, signage, and drainage upgrades to improve conditions for children walking and bicycling to school.

The meeting began with a group discussion at the Courthouse, which included the following key items:

- KHA gave an overview of plan development process milestones, which include concept development (i.e. 30% design), environmental documentation, construction drawing preparation (including a Final Field Plan Review at 90% design), and letting to construction. It is GDOT and KHA's goal to complete this process within two years, with six to nine months expected for construction. This is an expedited timeframe for a process that could normally take three to six years.
- KHA gave an overview of the design teams' understanding of the project. The scope entails sidewalk installation along the east side of Broad Street from the existing sidewalk north of Chattahoochee Elementary School to Coleman Street and along the south side of Merrell Street from Broad Street to Chattahoochee Education Center. All ramps, crosswalk striping, pedestrian signage, and drainage need to be upgraded in these areas as well.
- It was noted that the right-of-way along Merrell Street is thought to be 80' wide. It was stated that curb and gutter along Merrell Street is desired to help with drainage issues.
- It was noted that there are not many residents south of Merrell Street. It was also noted that there may be some grade issues along Broad Street south of Merrell Street.

- It was noted that existing sidewalk along the south side of Broad Street recently received ramp upgrades to make the sidewalk ADA compliant.
- It was noted that Broad Street is two lanes wide with extra width currently used for on-street parking. It was suggested that narrowing the road to two through lanes and no on-street parking for pedestrian refuge island at pedestrian crossings could help to improve safety.
- It was discussed that installing a sidewalk along McNaughton Street from SR 137 to Lokie Lane would benefit a large group of students and pedestrians. Limited sight distance around a sharp curve along the road creates a major safety hazard to students walking in the road due to lack of existing sidewalk. It was also noted there is also a future CDBG grant for paving and curb and gutter on McNaughton from Lokie Lane to the east.
- It was noted that McNaughton Street near Lokie Lane is paved over a railroad crossing. It was noted that the railroad crossing is owned by GDOT but leased to Norfolk Southern.

The group then performed a site walk along the proposed project limits. Multiple options for improvements within the project limits were discussed. This discussion resulted in the following recommendations:

- It was noted that Broad Street has a 80' to 100' existing right-of-way.
- It was noted that installing sidewalk on McNaughton Street may be difficult due to an existing 40' right-of-way and a possible historic house on the northwestern corner of McNaughton Street and SR 137.
- It was suggested that an island could be constructed in the gore area of the intersection of McNaughton Street with SR137/Broad Street and that the asphalt paving in front of the potentially historic home could be removed. It was also noted that the fence to the potentially historic home is 13 feet from the centerline of McNaughton Street.

These minutes contain the understanding of KHA representatives regarding discussions, decisions, action items, etc. at the meeting.