ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007132; 0004510, Cobb County
CSMSL-0007-00(132); CM-0004-00(510)
Floyd Road Operational Improvements and
Sidewalk Project

OFFICE Preconstruction

DATE August 13, 2007

FROM Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED 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
Mike Lobdell
Angela Alexander
Paul Liles
Bryant Poole
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0007132 & 0004510, Cobb County
CSMSL-0007-00(132), CM-0004-00(510)
Floyd Road Operational Improvements and
Sidewalk Project

OFFICE: Preconstruction

DATE: August 1, 2007

FROM: Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT: ***PROJECT CONCEPT REPORT***

These combined projects consist of operational improvements and the construction of sidewalks on Floyd Road from Clay Road to Hicks Road for a total of 1.10 miles. Floyd Road is currently a five lane urban roadway. The existing lanes are less than 10' wide. There were 186 accidents on Floyd Road between April 2004 and March 2007; 35 right angle , one head on, 77 rear end, 29 sideswipes, 22 left turn with through movement, 15 accidents with fixed objects and 7 other incidents involving striking pedestrians, animals or parked vehicles. The base year traffic (2009) is 40,060 VPD and the design year traffic (2029) is 58,370 VPD. The proposed improvements will reduce the amount of accidents at intersections by channeling traffic with the use of left turn lanes as well as eliminate mid-block left turn conflict.

Project CSMSL-0007-00(132) will widen Floyd Road symmetrically about the existing center line to achieve wider lane widths. The roadway will consist of four 11' lanes with a 20' raised median and curb and gutter on each side and a 5' sidewalk on the east side. Traffic signals will be replaced at four intersections and steel mast arms will replace the existing wood strain poles.

Project CM-0004-00(510) will construct a 10' wide concrete sidewalk on the west side of Floyd Road with a 5' grass strip between the sidewalk and the back of the curb. The Silver Comet trail is located approximately 0.25 mile north of the end of the project. Cobb County is currently working on funding for a project to extend the sidewalk to provide connectivity to the Silver Comet Trail.

P.I. No. 0007132 & 0004510, Cobb County
August 1, 2007

Environmental concerns include requiring a Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

The estimated costs for this project are:

Project CSMSL-0007-00(132), P.I. No. 0007132

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	$ 3,718,000	$ 2,000,000	H170	2009
Right-of-way & utilities	LOCAL	LOCAL		

Project CM-0004-00(510), P.I. No. 0004510

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	$ 469,000	$ 1,321,000	H170	2008
Right-of-way & utilities	LOCAL	LOCAL		

I recommend this project concept be approved.

GRS: JDQ

Attachment

CONCUR _____
Todd J. Long, P.E., Director of Preconstruction

APPROVED _____
David E. Studstill, Jr., P.E., Chief Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number:	County:	PI No.:
CSMSL-0007-00(132)	Cobb	0007132

Report Date:	Concept By:
July 11, 2007	DOT Office: District 7
☒ Concept Stage	

Project Type: Choose One From Each Column			
	☐ Major ☒ Minor	☒ Urban ☐ Rural	☐ ATMS ☐ Bridge Replacement ☐ Building ☐ Interchange Reconstruction ☐ Intersection Improvement ☐ Interstate ☐ New Location ☒ Widening & Reconstruction ☐ Miscellaneous

FOCUS AREAS	SCORE	RESULTS
Presentation	100	
Judgement	100	
Environmental	100	
Right of Way	100	
Utility	100	
Constructability	100	
Schedule	100	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 7 Preconstruction

PROJECT CONCEPT REPORT

Project Numbers: CSMSL-0007-00(132) & CM-0004-00(510)
County: Cobb
PI Numbers: 0007132 & 0004510
Project Description: Floyd Road Operational Improvement and Sidewalk Project

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 2373

See Page 2 for Project Location

Recommendation for approval:

DATE 7/11/07 — Project Manager

DATE 7/11/07 — District Engineer

The concept 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 — State Transportation Planning Administrator

DATE — Office of Financial Management Administrator

DATE — State Environmental / Location Engineer

7-19-07 — State Traffic Safety & Design Engineer

DATE

DATE — Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 7 Preconstruction

PROJECT CONCEPT REPORT

Project Numbers: CSMSL-0007-00(132) & CM-0004-00(510)
County: Cobb
PI Numbers: 0007132 & 0004510
Project Description: Floyd Road Operational Improvement and Sidewalk Project

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 2373

See Page 2 for Project Location

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7/13/07
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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 7 Preconstruction

PROJECT CONCEPT REPORT

Project Numbers: CSMSL-0007-00(132) & CM-0004-00(510)
County: Cobb
PI Numbers: 0007132 & 0004510
Project Description: Floyd Road Operational Improvement and Sidewalk Project

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 2373

Co 332
Co APC BP213

See Page 2 for Project Location

Recommendation for approval:

DATE 7/11/07 — Project Manager

DATE 7/11/07 — District Engineer

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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 7 Preconstruction

PROJECT CONCEPT REPORT

Project Numbers: CSMSL-0007-00(132) & CM-0004-00(510)
County: Cobb
PI Numbers: 0007132 & 0004510
Project Description: Floyd Road Operational Improvement and Sidewalk Project

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 2373

See Page 2 for Project Location.

Recommendation for approval:

DATE 7/11/07 _____ Project Manager

DATE 7/11/07 _____ District Engineer

The concept 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).

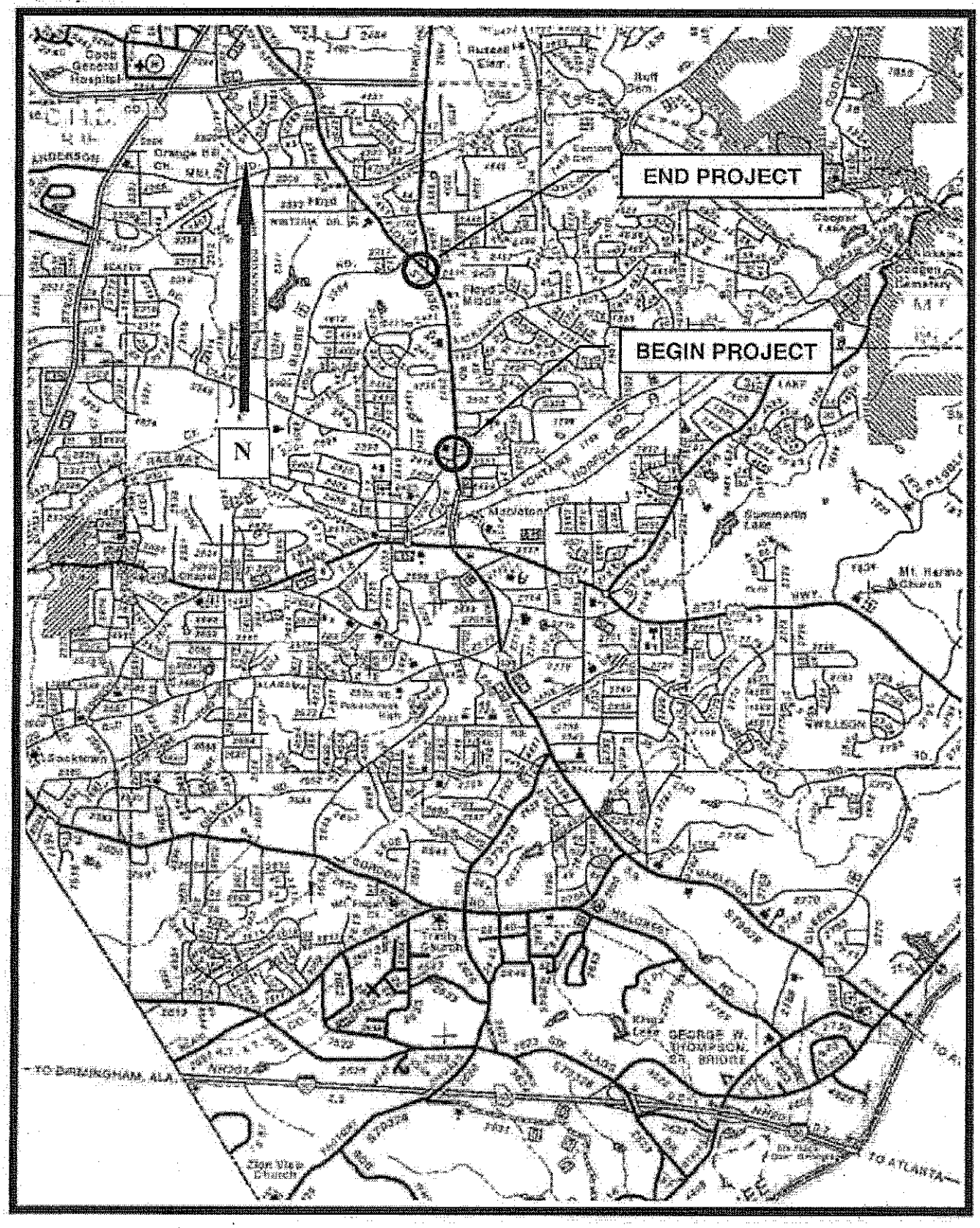
_____ _____
DATE State Transportation Planning Administrator

_____ _____
DATE Office of Financial Management Administrator

_____ _____
DATE State Environmental / Location Engineer

_____ _____
DATE State Traffic Safety & Design Engineer

_____ _____
DATE Project Review Engineer


END PROJECT
BEGIN PROJECT
N
TO BIRMINGHAM, ALA.
TO ATLANTA
GEORGE W. THOMPSON SR. BRIDGE

Need and Purpose:

Project No. CSMSL-0007-00(132)

The Floyd Road Operational Improvements project will widen the existing roadway to achieve wider lanes. Floyd Road is currently a five lane urban roadway. It was originally constructed as a four lane undivided roadway and has subsequently been repaved, including the gutter of the existing curb and gutter, and striped as a five lane roadway, which includes a two-way center turn lane. The existing lanes are less than 10 feet wide.

There were 186 accidents on Floyd Road between April 2004 and March 2007. These consisted of 35 right angle accidents, 1 head on, 77 rear ends, 29 sideswipes, 22 left turn with through movement accidents, 15 incidents with fixed objects and 7 other incidents involving striking pedestrians, animals or parked vehicles. Most of the accidents occurred at the intersections. There were no fatalities during this period but 57 injuries were recorded. The incorporation of a median will reduce the amount of accidents at intersections by channeling traffic with the use of left turn lanes as well as eliminate mid-block left turn conflicts.

The purpose of the project is to reduce the number and severity of accidents while improving traffic flow and overall safety of the roadway. The proposed improvements will widen the road symmetrically about the existing center line to achieve wider lane widths, with two 11 foot lanes in each direction and a 20 foot wide raised median. The use of 11 foot lanes instead of 12 foot lanes will reduce the proposed right of way footprint, which is important due to the close proximity of commercial and residential structures very near the existing right of way. There are also two potentially historic properties on the project, and the use of 11 foot lanes will be important to reduce or eliminate the impacts to these property. The project will not increase the number of existing lanes. The use of the 20 foot raised median is in conformance with *Section 6.9.2 Arterials (Non-GRIP)* of GDOT's *Design Policy Manual*. Due to the highly urban nature of the corridor it is preferable to use a 20 foot median in lieu of a 24 foot median.

Project No. CM-0004-00(510))

The Floyd Road Sidewalk project consists of the construction of a 10 foot wide concrete sidewalk on the west side of Floyd Road. This project will be incorporated into the Floyd Road Operational Improvements project but funding has been obtained from an independent source. The sidewalk will provide continuity to several shopping and community activity centers in the area and will promote alternative forms of transportation other than motorized vehicles. Cobb County recently opened a regional library on Clay Road approximately 500 feet from the beginning of the project and there is a US Post Office located on the northwest quadrant of the intersection of Clay Road and Floyd Road. The Mable House Cultural Center and the Mable House Barnes Amphitheatre are located on the east side of Floyd Road just north of Clay Road. Publix and Kroger shopping centers are located at the intersection of Floyd Road and Nickajack Road. Floyd Road Middle School is located just north of the Kroger shopping center. The Silver Comet Trail is located approximately ¼ mile north of the end of the project. Cobb County is currently working on funding for a project to extend the sidewalk from the end of this project to provide connectivity to the Silver Comet Trail and is in the process of seeking CMAQ funding.

Description of Project: The length of this project is approximately 1.10 miles and it is located in Cobb County in the unincorporated city of Mableton. This project consists of operational improvements to Floyd Road from Clay Road to Hicks Road. Floyd Road will be widened to replace the existing sub-standard five lane section with a four lane median divided section. The proposed typical section will consist of two 11 foot lanes in each direction with a 20 foot raised grassed median. The road currently has a 5' concrete sidewalk on the east side only. A 10' wide concrete sidewalk will be constructed on the west side of the roadway with a 5' grass strip between the sidewalk and the back of curb. A 5' concrete sidewalk will replace the existing sidewalk on the east side. The traffic signals will be replaced at four intersections with steel mast arms and will replace the existing wooden strain poles.

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

The project is included in the 2010 Network Model by the ARC as project number CO-AR-BP213 (CSMSL-0007-00(132)) and is modeled as a roadway operational upgrade project and will not add capacity. As such, it is exempt from air quality analysis.

PDP Classification: Major ____ Minor X 7/19/07

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

Functional Classification: Urban Collector

US Route Number(s): N/A **State Route Number(s):** N/A

Traffic (AADT):
Current Year: (2009) 40,060 Design Year: (2029) 58,370

Existing design features:

- Typical Section: Floyd Road consists of five lanes less than 10 feet wide, which includes a 10' flush median. There is an existing sidewalk on the east side but no sidewalk on the west side. The shoulder is approximately 8'-10' on the east side and on the west side ranges from approximately 6' to 8', and.
- Posted Speed: 40 mph
- Minimum radius for curve: 1280 ft
- Maximum Super-elevation rate for curve: 6%
- Maximum Grade: 2 %
- Width of Right of Way: varies 70 to 80 ft
- Major Structures: N/A
- Major Interchanges or intersections along the project: N/A
- Existing length of roadway segment: 1.1 miles

Proposed design features:

- Proposed typical section: The proposed roadway will consist of four 11-foot travel lanes with a 20 foot raised median with curb and gutter on each side. The west side will have a 10' concrete sidewalk that will be separated from the back of curb by a 5 foot grass strip for a total shoulder width of 16.5'. A new 5' concrete sidewalk will replace the existing sidewalk on the east side of the road with a 2' grass strip and will have a total shoulder width of 12'.
- Proposed Design Speed Mainline: 40 mph
- Proposed Maximum grade Mainline: 2 % Maximum grade allowable: 6 %
- Proposed Maximum grade Side Street: 2 % Maximum grade allowable: 6 %
- Proposed Maximum grade driveway: 11 %
- Proposed Minimum Radius: 1200 ft Minimum radius allowable: 600 ft
- Proposed Maximum Superelevation: 6 %
- Right of Way:
  - Width 110 ft
  - Easements: Temporary (X), Permanent (X), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit (X), Other ( ).
  - Number of parcels: 27 Number of displacements:
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures:
  - Bridges: N/A
- Major Interchanges or intersections along the project: N/A
- Traffic control during construction: Traffic will be maintained on the existing roadway while the roadway is widened to both sides.
- Design exceptions to controlling criteria anticipated:

	UNDETERMINED	YES	NO
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)
BRIDGE STRUCTURAL CAPACITY:	( )	( )	(X)

- Design Variances: A design variance for 11' lanes may be required. There are two potentially historic properties on the project, and the use of 11 foot lanes will be important to reduce or eliminate the impacts to these property. There is a large potentially historic property on the west side of the project.
- Environmental Concerns: None anticipated; a Programmatic 4f for historic resources is expected.
- Level of Environmental Analysis: Categorical Exclusion
  - Are Time Saving Procedures Appropriate? Yes ( ) No (X)
  - Categorical Exclusion (X)
  - Environmental Assessment / Finding of No Significant Impact ( )
  - Environmental Impact Statement ( )
- Utility involvements:
  - Water: Cobb County Water System
  - Telephone: Bellsouth
  - Power: Cobb EMC
  - Gas: Austell Gas
  - Cable TV: Comcast
  - Other: Cobb County ATMS

Project responsibilities:

- Design: J.B. Trimble, Inc. under contract to Cobb County
- Right-of-Way Acquisition: Cobb County
- Relocation of Utilities: Cobb County
- Letting of Contract: Cobb County
- Supervision of Construction: Cobb County
- Providing material pits: Contractor
- Providing detours: N/A

Coordination:

- Concept Meeting date: May 7, 2007 – See attached minutes
- Initial Concept Meeting date: August 30, 2005
- PAR meetings, dates and results: None
- FEMA, USCG, and/or TVA: None
- Public Involvement: A Public Information Open House will be held following approval of the concept

report.

- Local government comments: A PMA has been signed by Cobb County for the CMAQ project. An agreement for the operational improvements is in progress.

- Other projects in area.
  - Mableton Park and Ride Lot LCI Project at Maran Lane, PI # 0006264, ARC # CO-AR 295
  - Clay Road at Floyd Road intersection realignment – this project will be funded under CCDOT's SPLOST Program with local funds. The SPLOST project number is D3200.
  - Floyd Road Enhanced Sidewalk – the project extends approximately 0.25 miles from the end of this project to the Silver Comet Trail. This project will potentially utilize CMAQ funding. No project number has been assigned.

- Other coordination to date: Coordination has been initiated with URS, the engineers designing the Mableton Park and Ride Lot.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right-of -way plans: 3 Month.
- Time to complete the Section 404 Permit: NA Months.
- Time to complete final construction plans: 4 Months.
- Time to purchase right-of-way: 18 Months.
- List other major items that will affect the project schedule: None

Other Alternates Considered:

Alternate 1 – No-Build. The existing road width is not wide enough to adequately handle the anticipated increase in traffic. Therefore, the no-build was not a practical option.

Alternate 2 – Widen Floyd Road symmetrically on both sides with a five lane typical section. This alternate does not conform to GDOT's Design Policy Manual and was not considered to be a practical option.

Alternate 3 – Widen Floyd Road entirely to the west with a five lane typical section. This option would almost eliminate acquisition from the parcels on the east side of the project and would retain the existing curb, gutter and sidewalk on the east side. However, this alternate does not conform to GDOT's Design Policy Manual and was not considered to be a practical option.

Alternate 4 – Widen Floyd Road symmetrically on both sides with a four lane divided median section. This option would significantly increase the number of parcels that would require right of way acquisition and will cost substantially more than the five lane alternative. However, it conforms to GDOT's Design Policy Manual and was chosen as the most practical alternative.

Attachments:

1. Cost Estimates:

FLOYD ROAD SIDEWALK CONCEPTUAL COST ESTIMATE
CM-0004-00(510), PI 0004510

A. RIGHT-OF-WAY	
1. PROPERTY (LAND & EASEMENT)	$186,000
2. DISPLACEMENTS; RES:0, BUS;0, M.H.:0	$0
3. OTHER COST (ADM./COST, INFLATION)	$5,000
SUBTOTAL: A	**$191,000**
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	$0
2. TRANSMISSION LINES	$0
3. SERVICES	$25,000
SUBTOTAL:B	**$25,000**
C. MAJOR STRUCTURES	
1. RETAINING WALLS	$100,000
2. BRIDGES	$0
3. DETOUR BRIDGES	$0
4. EXTEND/REPLACE EXISTING CULVERTS	$0
SUBTOTAL:C	**$100,000**
D. GRADING AND DRAINAGE	
1. EARTHWORK	
a. EMBANKMENT: (3,000 cu. yd. @ $10.00)	$30,000
b. EXCAVATION: (300 cu. yd. @ $7.00)	$2,100
SUBTOTAL: D-1	$32,100
2. DRAINAGE	
a. STORM DRAIN PIPE (2000 ft of 18 in @ $40)	$0
a. STORM DRAIN PIPE (930 ft of 24 in @ $55)	$0
a. STORM DRAIN PIPE (280 ft of 36 in @ $100)	$0
b. FES (4 ea @ $900)	$0
c. CATCH BASIN (41 EA @ $2000)	$0
d. 24" TYPE I RIPRAP (100 SY @ $40)	$0
SUBTOTAL: D-2	$0
SUBTOTAL: D	**$32,100**
E. BASE AND PAVING	
1. AGGREGATE BASE (6,333 tons @ $25)	$0
2. SURFACE AGGREGATE (800 tons @ $30)	$0

FLOYD ROAD SIDEWALK CONCEPTUAL COST ESTIMATE
CM-0004-00(510), PI 0004510

3. ASPHALT PAVING	
a. Surface – 12.5 mm Superpave (1833 tons @ $85)	$0
b. Binder - 19 mm Superpave (3665 tons @ $85)	$0
c. Base – 25 mm Superpave (7973 tons @ $85)	$0
d. Leveling (5,000 tons @ $85)	$0
e. Tack Coat (6,640 gals @ $3)	$0
SUBTOTAL: E-3	$0
4. CONCRETE PAVING	
a. CONCRETE CURB AND GUTTER (14,400 ft @ $18)	$0
b. CONCRETE SIDEWALK (6,500 sy @ $29)	$188,500
c. CONCRETE MEDIAN, STAMPED (3,833 sy @ $50)	$0
SUBTOTAL: E-4	$188,500
SUBTOTAL: E	**$188,500**
F. LUMP ITEMS	
1. TRAFFIC CONTROL	$40,000
2. CLEARING AND GRUBBING	$30,000
3. GRASSING	$5,000
4. EROSION CONTROL	$20,000
SUBTOTAL: F	**$95,000**
G. MISCELLANEOUS	
1. SIGNING	
a. SIGNS	$2,000
b. POSTS	$200
c. SIGNALS	$0
SUBTOTAL: G-1	$2,200
2. STRIPING	
a. 5 IN WHITE SOLID (14,000 ft @ $0.60)	$0
b. 5 IN WHITE SKIP (12,000 ft @ $0.30)	$0
c. 5 IN YELLOW SKIP (5,800 ft @ $0.30)	$1,750
d. PAVEMENT MARKING ARROWS (16 ea @ $65)	$0
SUBTOTAL: G-2	$1,750
3. GUARDRAIL	
a. TYPE W (500 ft @ $20)	$0
b. TYPE 12 ANCHORS (2 @ $1800)	$3,600
c. TYPE 1 ANCHORS (2 @ $600)	$1,200
SUBTOTAL: G-3	$4,800

FLOYD ROAD SIDEWALK CONCEPTUAL COST ESTIMATE
CM-0004-00(510), PI 0004510

SUBTOTAL: G	$8,750

FLOYD ROAD SIDEWALK CONCEPTUAL COST ESTIMATE
CM-0004-00(510), PI 0004510

ESTIMATE SUMMARY	
A. RIGHT-OF-WAY	$191,000
B. REIMBURSABLE UTILITIES	$25,000
CONSTRUCTION	
C. MAJOR STRUCTURES	$100,000
D. GRADING AND DRAINAGE	$32,100
E. BASE AND PAVING	$188,500
F. LUMP ITEMS	$95,000
G. MISCELLANEOUS	$8,750
SUBTOTAL CONSTRUCTION COST	**$424,350**
INFLATION (5% PER YEAR FOR 1 YEAR)	~~$21,218~~
E. & C. (10%)	$44,557
TOTAL CONSTRUCTION COST	~~$490,124~~ 469,000
GRAND TOTAL PROJECT COST	~~$706,124~~
Revised 7-23-07	

7/27/07

FLOYD ROAD OPERATIONAL AND SAFETY IMPROVEMENTS
CONCEPTUAL COST ESTIMATE
CSMSL-0007-00(132), PI 0007132

A. RIGHT-OF-WAY	
1. PROPERTY (LAND & EASEMENT)	$434,000
2. DISPLACEMENTS; RES:0, BUS;0, M.H.:0	$0
3. OTHER COST (ADM./COST, INFLATION)	$5,000
SUBTOTAL: A	**$439,000**
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	$0
2. TRANSMISSION LINES	$0
3. SERVICES	$25,000
SUBTOTAL:B	**$25,000**
C. MAJOR STRUCTURES	
1. RETAINING WALLS	$0
2. BRIDGES	$0
3. DETOUR BRIDGES	$0
4. EXTEND/REPLACE EXISTING CULVERTS	$0
SUBTOTAL:C	**$0**
D. GRADING AND DRAINAGE	
1. EARTHWORK	
a. EMBANKMENT: (5,000 cu. yd. @ $10.00)	$50,000
b. EXCAVATION: (700 cu. yd. @ $7.00)	$4,900
SUBTOTAL: D-1	$54,900
2. DRAINAGE	
a. STORM DRAIN PIPE (2000 ft of 18 in @ $40)	$80,000
a. STORM DRAIN PIPE (930 ft of 24 in @ $55)	$51,150
a. STORM DRAIN PIPE (280 ft of 36 in @ $100)	$28,000
b. FES (4 ea @ $900)	$3,600
c. CATCH BASIN (41 EA @ $2000)	$82,000
d. 24" TYPE I RIPRAP (100 SY @ $40)	$4,000
SUBTOTAL: D-2	$248,750
SUBTOTAL: D	**$303,650**
E. BASE AND PAVING	
1. AGGREGATE BASE (6,333 tons @ $25)	$158,325
2. SURFACE AGGREGATE (800 tons @ $30)	$24,000
3. ASPHALT PAVING	

FLOYD ROAD OPERATIONAL AND SAFETY IMPROVEMENTS
CONCEPTUAL COST ESTIMATE
CSMSL-0007-00(132), PI 0007132

a. Surface – 12.5 mm Superpave (1833 tons @ $85)	$155,805
b. Binder - 19 mm Superpave (3665 tons @ $85)	$311,525
c. Base – 25 mm Superpave (7973 tons @ $85)	$677,705
d. Leveling (5,000 tons @ $85)	$425,000
e. Tack Coat (6,640 gals @ $3)	$19,920
SUBTOTAL: E-3	$1,589,955
4. CONCRETE PAVING	
a. CONCRETE CURB AND GUTTER (14,400 ft @ $18)	$259,200
b. CONCRETE SIDEWALK (3,250 sy @ $29)	$94,250
c. CONCRETE MEDIAN, STAMPED (3,833 sy @ $50)	$191,650
SUBTOTAL: E-4	$545,100
SUBTOTAL: E	**$2,317,380**
F. LUMP ITEMS	
1. TRAFFIC CONTROL	$160,000
2. CLEARING AND GRUBBING	$30,000
3. GRASSING	$10,000
4. EROSION CONTROL	$20,000
SUBTOTAL: F	**$220,000**
G. MISCELLANEOUS	
1. SIGNING	
a. SIGNS	$3,000
b. POSTS	$300
c. SIGNALS	$500,000
SUBTOTAL: G-1	$503,300
2. STRIPING	
a. 5 IN WHITE SOLID (14,000 ft @ $0.60)	$8,400
b. 5 IN WHITE SKIP (12,000 ft @ $0.30)	$3,600
c. 5 IN YELLOW SOLID (12,000 ft @ $0.60)	$7,200
d. PAVEMENT MARKING ARROWS (16 ea @ $65)	$1,040
SUBTOTAL: G-2	$20,240
3. GUARDRAIL	
a. TYPE W (500 ft @ $20)	$0
b. TYPE 12 ANCHORS (2 @ $1800)	$0
c. TYPE 1 ANCHORS (2 @ $600)	$0
SUBTOTAL: G-3	$0
SUBTOTAL: G	**$523,540**

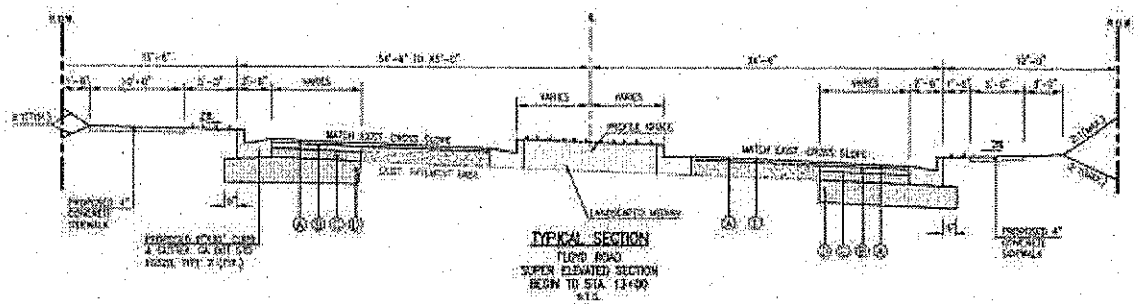
FLOYD ROAD OPERATIONAL AND SAFETY IMPROVEMENTS
CONCEPTUAL COST ESTIMATE
CSMSL-0007-00(132), PI 0007132

ESTIMATE SUMMARY	
A. RIGHT-OF-WAY	$439,000
B. REIMBURSABLE UTILITIES	$25,000
CONSTRUCTION	
C. MAJOR STRUCTURES	$0
D. GRADING AND DRAINAGE	$303,650
E. BASE AND PAVING	$2,317,380
F. LUMP ITEMS	$220,000
G. MISCELLANEOUS	$523,540
SUBTOTAL CONSTRUCTION COST	**$3,364,570**
INFLATION (5% PER YEAR FOR 1 YEAR)	~~$168,229~~
E. & C. (10%)	$353,280
TOTAL CONSTRUCTION COST	~~$3,886,078~~
GRAND TOTAL PROJECT COST	~~$4,350,078~~

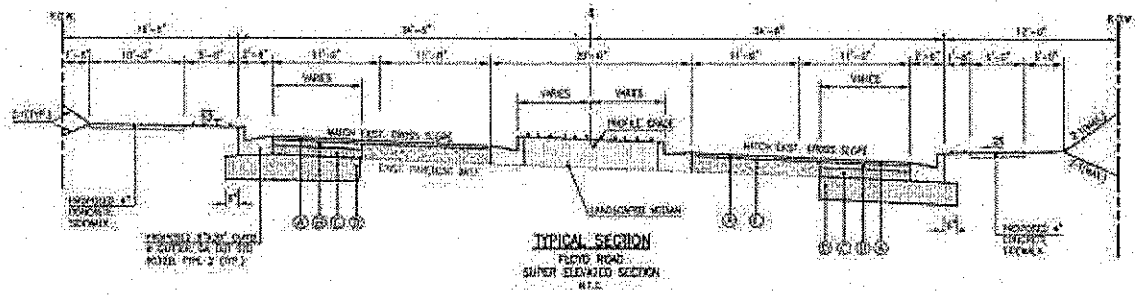
Revised 7-23-07

3,718,000

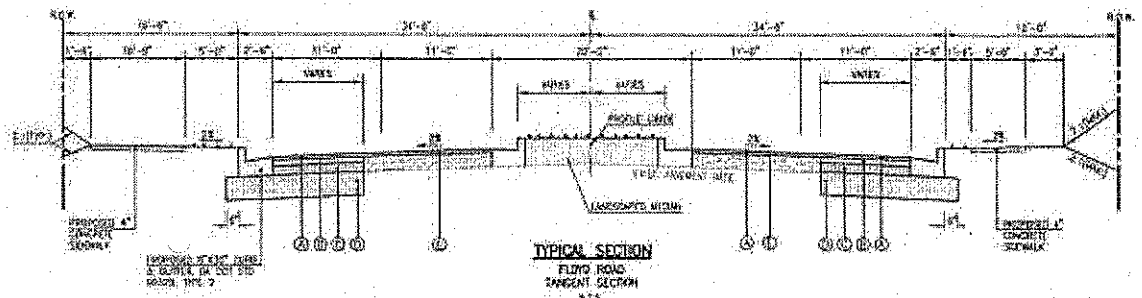
4/24/07



TYPICAL SECTION
FLOYD ROAD
SUPER ELEVATED SECTION
BEGIN TR STA 13+90
N.T.S.



TYPICAL SECTION
FLOYD ROAD
SUPER ELEVATED SECTION
N.T.S.



TYPICAL SECTION
FLOYD ROAD
TANGENT SECTION
N.T.S.

PAVEMENT LEGEND

- (A) 12.5mm SUPERPAVE
- (B) 19mm SUPERPAVE
- (C) 25mm SUPERPAVE
- (D) 12" GRADED AGGREGATE BASE
- (E) LEVELING COURSE AS REQUIRED

J.B. TRIMBLE, INC.
3000 HERITAGE COURT, SE
SUITE 220
Atlanta, GA 30339

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
TYPICAL ROAD SECTIONS
FOUR-LANE DIVIDED

FLOYD ROAD

J.B. TRIMBLE, INC.
6445 Powers Ferry Road
Suite 100
Atlanta, GA 30339
Phone 770.952.1022
Fax 770.952.1041

Floyd Road Concept Team Meeting Minutes
Project Number CSMSL-0007-00(132), PI 0007132
Floyd Road Operational Improvements
Project Number CM-0004-00(510), PI 0004510
Floyd Road Sidewalk Project

May 7, 2007

Attendees:

Nar Chaudhry – Cobb County DOT	770-528-1656
James Hudgins – Cobb County DOT	770-420-6658
Ted Harris – Cobb County DOT	770-528-1668
Brook Martin – Cobb County DOT	770-528-4065
Scott Lee – GDOT District 7 Preconstruction	770-986-1261
Mike Lobdell – GDOT District 7 Preconstruction	770-986-1257
Merishia Robinson – GDOT District 7 Preconstruction	770-986-1257
Daniel Gethi – GDOT District 7 Preconstruction	770-986-1257
Harry Graham – GDOT District 7 Traffic	770-986-1767
Jeff Woodward – GDOT District 7 Construction	770-528-3238
Alex Laffey – GDOT District 7 Traffic	770-986-1773
Steve Tiedemann – JB Trimble	770-952-1022

Project Discussion

Merishia opened the meeting and introductions were made. She then asked Steve to discuss the project and he gave an overview of the scope and particulars of the conceptual design. The length of this project is approximately 1.10 miles and it is located in Cobb County in the unincorporated city of Mableton. The project consists of operational improvements to Floyd Road from Clay Road to Hicks Road. Floyd Road will be widened to replace the existing sub-standard five lane section with a four lane divided section. The proposed typical section will consist of 2-11 foot lanes in each direction with a 20 foot raised median. The widening will occur on both sides and will essentially keep the same centerline. The road currently has a 5' concrete sidewalk on the east side only that will require replacement.

A second project with separate CMAQ funding will add a 10' concrete sidewalk on the west side of the roadway with a 5' grass strip between the sidewalk and the back of curb. It was generally noted that the concept report needs to expand on the proposed trail network in the area.

Harry asked if any new traffic signals would be added as part of the project. Steve responded that the existing signals would be reconstructed and no new signals would be added. The signals

at the intersections at Clay Road and Hicks Road would be either reconstructed or adjusted. The signals at Ayers Drive and Nickajack Road will be replaced with mast arms. Harry then stated that he thought the construction budget of $300,000 as shown in the concept report was low based on the scope of the signal work. He suggested a cost of $500,000 for signal costs. JBT will revise the construction cost estimate accordingly.

Harry also questioned the number of median openings shown on the conceptual plan. Steve responded that the spacing between median openings meets GDOT criteria and that there will only be 5 median openings proposed. Two of the proposed median openings will be located at signalized intersections and one will be located at the bus driveway at Floyd Middle School. The last one will be located at Landers Drive just north of the Mable House Barnes Amphitheater.

Merishia indicated that the accident data for the corridor should be incorporated into the Need & Purpose statement.

Merishia stated that the construction let date should be changed to December 2009. Traffic projections should be adjusted accordingly. The traffic projects appear high. JBT will work with the County to verify the projections.

JBT will adjust the cost estimate, write the Concept Team Meeting minutes and submit the revised Concept Report electronically to Merishia and Daniel for approval.