

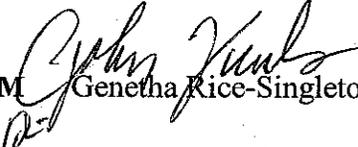
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0007643, Cobb County
CSHPP-0007-00(643)
Pedestrian Bridge on Spring Road over CSX Railroad
In the City of Smyrna

OFFICE: Program Control

DATE: October 1, 2009


FROM Genetha Rice-Singleton, Program Control Administrator

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Ron Wishon
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Rachel Brown
Paul Liles
Mike Lobdell
Scott Lee
Andre Netterville
BOARD MEMBER

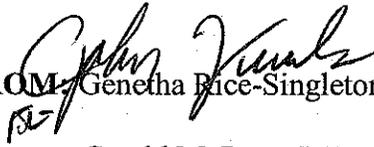
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0007643, Cobb County
CSHPP-0007-00(643)
Pedestrian Bridge on Spring Road over CSX Railroad
In the City of Smyrna

OFFICE: Program Control

DATE: September 21, 2009


FROM: Genetha Rice-Singleton, Program Control Administrator

TO: Gerald M. Ross, P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the construction of a pedestrian bridge over the CSX Railroad parallel to and north of the existing structure along CR 1782/Spring Road in the City of Smyrna. The proposed project would improve safety in the area by enhancing the pedestrian trails to accommodate current and anticipated pedestrians in the project area. The proposed pedestrian bridge will provide connectivity between the proposed pedestrian trails east and west of the CSX Railroad proposed by the city of Smyrna. Smyrna project 0585092 would provide a 10' trail from Atlanta Road to just west of the CSX Railroad and Smyrna project 0585091 would provide a 10' trail from just east of the CSX Railroad to just east of Village Parkway. The trail system provides connectivity between cities, access to regional activity centers, and a healthy commuting option for travelers who wish to avoid congestion of some county thoroughfares. This pedestrian crossing will provide a safe transportation alternative for pedestrians.

The project proposes to construct a single span 13'x 270' pedestrian structure over the CSX Railroad parallel to the existing bridge. The typical section for the proposed trail, where the proposed bridge would connect, consists of a 10' asphalt pathway with a 2' grassed strip, curb and gutter on the inside shoulder and an urban shoulder with guardrail on the outside shoulder. The outside shoulder would be constructed using a modular retaining wall, with handrail and chain link safety fence on the wall. No additional right-of-way would be required, however, railroad easement will be required and a license has been obtained from the Georgia Property Commission for project implementation.

A Programmatic Categorical Exclusion (PCE) was approved July 2, 2009; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

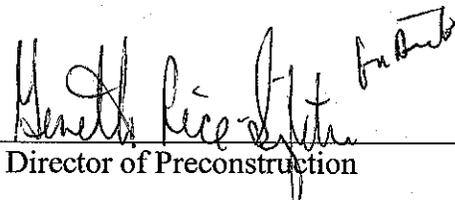
| | <u>PROPOSED</u> | <u>APPROVED</u> | <u>FUNDING</u> | <u>PROG DATE</u> |
|-----------------------------|-----------------|-----------------|----------------|------------------|
| Construction (includes E&C) | \$1,799,706 | \$1,124,874 | LY20 | 2011(proposed) |
| Right-of-way & utilities* | Local | Local | | |

* City of Smyrna signed PFA on 4-3-2006 for PE and Utilities/ ROW and CST to be done by future agreements.

I recommend this project concept be approved.

GRS: JDQ
Attachment

CONCUR



Director of Preconstruction

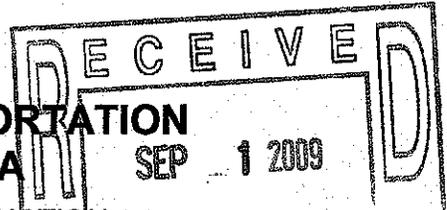
APPROVED



Gerald M. Ross, P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

DISTRICT SEVEN PRECONSTRUCTION



PROJECT CONCEPT REPORT

Pedestrian Bridge on Spring Road over the CSX Railroad in Smyrna

Project Number: CSHPP-0007-00(643)

County: Cobb

P. I. Number: 0007643

Federal Route Number: N/A

State Route Number: N/A

See Page 2 for Location Sketch

Recommendation for approval:

DATE 8/18/09

Neil Sullivan
Project Manager

DATE 19 August 2009

Rachel S. Brown
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 the State Transportation Improvement Program (STIP).

DATE 8/25/2009

Angela S. Alexander
State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

State Transportation Engineering Administrator

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

DISTRICT SEVEN PRECONSTRUCTION

PROJECT CONCEPT REPORT

Pedestrian Bridge on Spring Road over the CSX Railroad in Smyrna

Project Number: CSHPP-0007-00(643)

County: Cobb

P. I. Number: 0007643

Federal Route Number: N/A

State Route Number: N/A

See Page 2 for Location Sketch

Recommendation for approval:

DATE 8/18/09

Neil J. Miller
Project Manager

DATE 19 August 2009

Rachel S. Brown
District Engineer

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DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

State Transportation Engineering Administrator

DATE 9-3-09

Paul V. Telle Jr.
State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0007643

OFFICE: Environment/Location

PROJECT No. CSHPP-0007-00(643) / COBB County DATE: 9/16/09

Pedestrian Bridge on Spring Road over the CSX Railroad in Smyrna

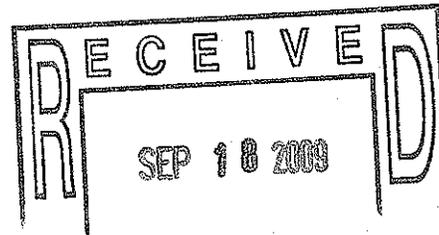
FROM:  Glenn Bowman, P.E., State Environmental/Location Engineer
TO: Genetha Rice-Singleton, Assistant Director of Preconstruction
SUBJECT: PROJECT CONCEPT REPORT REVIEW

The Concept Report for the above project has been reviewed and appears satisfactory for approval. Please note that the environmental document (PCE) has already been approved for this project on July 2, 2009.

If you have any questions, please contact Glenn Bowman at (404) 699-4401.

GB:lc

cc: Ron Wishon
Angela Whitworth
Keith Golden
Angela Alexander
Bryant Poole
Paul Liles



**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

DISTRICT SEVEN PRECONSTRUCTION

PROJECT CONCEPT REPORT

Pedestrian Bridge on Spring Road over the CSX Railroad in Smyrna

Project Number: CSHPP-0007-00(643)

County: Cobb

P. I. Number: 0007643

Federal Route Number: N/A

State Route Number: N/A

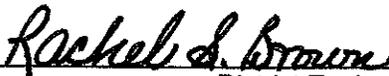
See Page 2 for Location Sketch

Recommendation for approval:

DATE 8/18/09


Project Manager

DATE 19 August 2009


District Engineer

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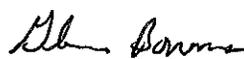
DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE 9/16/09


State Environment/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

State Transportation Engineering Administrator

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

DISTRICT SEVEN PRECONSTRUCTION

PROJECT CONCEPT REPORT

Pedestrian Bridge on Spring Road over the CSX Railroad in Smyrna

Project Number: CSHPP-0007-00(643)

County: Cobb

P. I. Number: 0007643

Federal Route Number: N/A

State Route Number: N/A

See Page 2 for Location Sketch

Recommendation for approval:

DATE 8/18/09

Neil J. Miller
Project Manager

DATE 19 August 2009

Rachel S. Brown
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 the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE 8-25-09

Sheela Saha
State Traffic Operations Engineer

DATE _____

State Transportation Engineering Administrator

DATE _____

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

DISTRICT SEVEN PRECONSTRUCTION

PROJECT CONCEPT REPORT

Pedestrian Bridge on Spring Road over the CSX Railroad in Smyrna

Project Number: CSHPP-0007-00(643)

County: Cobb

P. I. Number: 0007643

Federal Route Number: N/A

State Route Number: N/A

See Page 2 for Location Sketch

Recommendation for approval:

DATE 8/18/09

Neil Sullivan
Project Manager

DATE 19 August 2009

Rachel S. Brown
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 the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

State Transportation Engineering Administrator

DATE _____

State Bridge & Structural Design Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

**CSHPP-0007-00(643), COBB COUNTY
P. I. NUMBER 0007643**

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is OCTOBER 1, 2009.

The proposed project would provide a pedestrian bridge on Spring Road over the CSX Railroad in the City of Smyrna, Cobb County, in Tax Map District 17, Land Lots 594, 595, 558 and 559.

The proposed project would provide an asphalt, pedestrian trail on Spring Road over the CSX Railroad. A bridge would be constructed north of, and adjacent to, the existing vehicular bridge over the CSX railroad to accommodate the proposed enhanced pedestrian trail. The proposed bridge would be approximately 13 feet wide by 270 feet long and would tie into the proposed 10 foot, asphalt pedestrian trail on both ends, as programmed by the City of Smyrna and included in Cobb County Trail Map. The typical section for the pedestrian trail, where the proposed bridge would connect with the existing trail, would consist of a 10 foot asphalt pathway with a two foot grass strip, curb and gutter on the inside shoulder and an urban shoulder with guardrail on the outside shoulder. No additional right-of-way would be required for project implementation. The total project length would be approximately 450 feet (0.08 mile).

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Sebastian Nesbitt, Area 2 Engineer
snesbitt@dot.ga.gov
1269 Kennestone Circle
Marietta, GA 30066
(770) 528-3238

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Mike Lobdell, P.E., District Preconstruction Engineer
District Seven Preconstruction
mlobdell@dot.ga.gov
5025 New Peachtree Road
Chamblee, GA 30341
(770) 986-1257

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

DISTRICT SEVEN PRECONSTRUCTION

PROJECT CONCEPT REPORT

Pedestrian Bridge on Spring Road over the CSX Railroad in Smyrna

Project Number: CSHPP-0007-00(643)

County: Cobb

P. I. Number: 0007643

Federal Route Number: N/A

State Route Number: N/A

See Page 2 for Location Sketch

Recommendation for approval:

DATE 8/18/09

Neil Sullivan
Project Manager

DATE 19 August 2009

Rachel S. Brown
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 the State Transportation Improvement Program (STIP).

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State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Operations Engineer

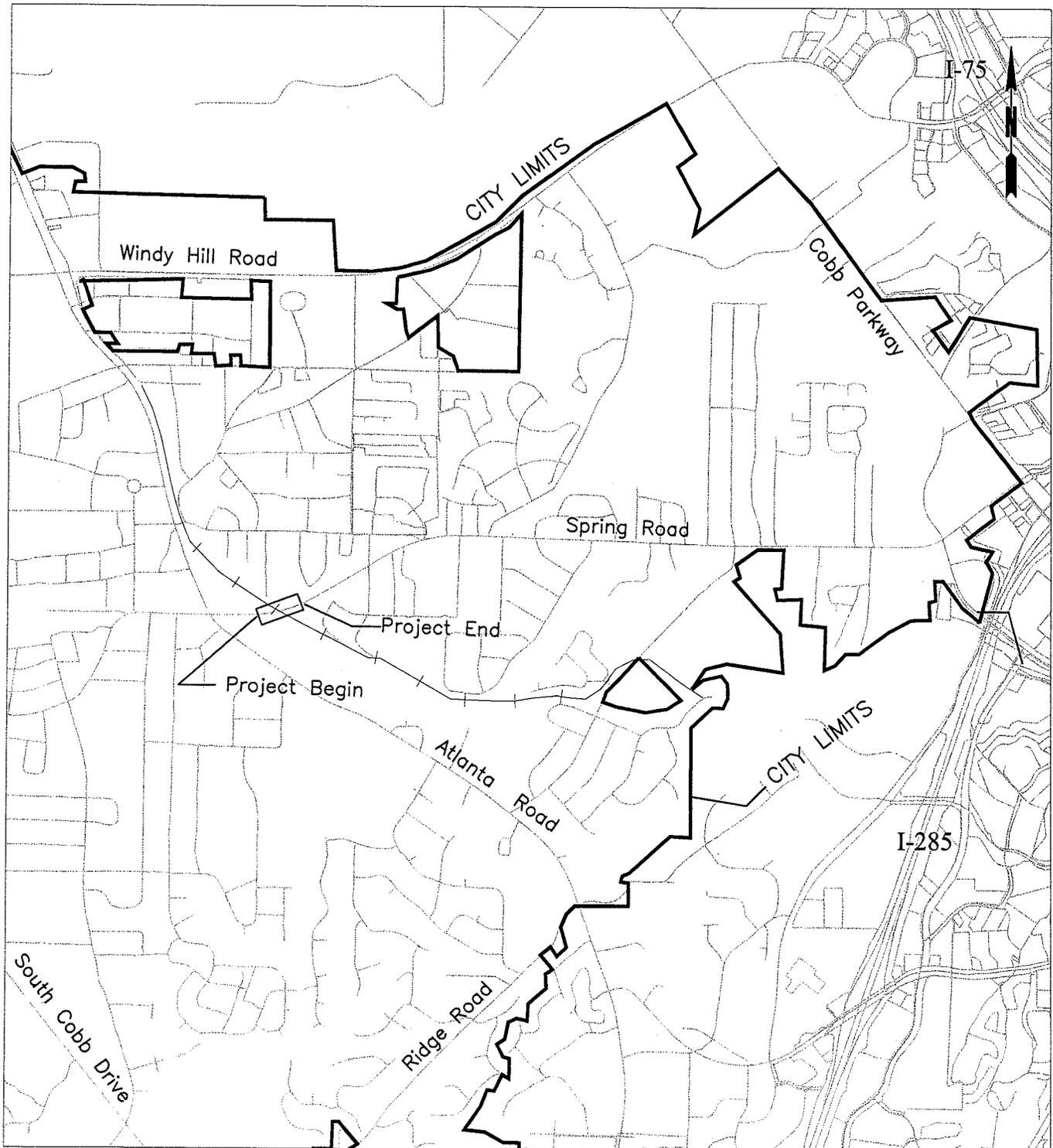
DATE _____

State Transportation Engineering Administrator

DATE _____

State Bridge & Structural Design Engineer

LOCATION SKETCH



NOT TO SCALE

Need and Purpose:

The need and purpose for the proposed project is to improve pedestrian safety while promoting transportation alternatives and healthy living activities such as jogging and walking. The existing sidewalk over the railroad is heavily used and usage is expected to increase once the trail system has been completed. The proposed project would improve safety in the area by enhancing the pedestrian trail to accommodate current and anticipated pedestrians in the project area. The proposed pedestrian bridge would provide connectivity between the proposed pedestrian trails east and west of the CSX railroad proposed by the City of Smyrna. Smyrna Project 0585092 would provide a 10 foot trail from Atlanta Road to just west of the CSX Railroad and Smyrna Project 0585091 would provide a 10 foot trail from just east of the CSX Railroad to just east of Village Parkway. The trail system provides connectivity between cities, access to regional activity centers, and a healthy commuting option for travelers who wish to avoid the congestion of some county thoroughfares.

Description of the proposed project:

The proposed project would provide a 10 foot asphalt pedestrian trail on Spring Road over the CSX Railroad in the City of Smyrna. A bridge would be constructed north of, and adjacent to, the existing vehicular bridge over the CSX railroad to accommodate the enhanced pedestrian trail. The proposed pedestrian bridge would be an approximate 13 feet by 270 feet steel box truss, prefabricated bridge. The pedestrian bridge would be a clear-span bridge, requiring no piers in the railroad right-of-way, and would tie into the proposed 10 foot asphalt pedestrian trails, as programmed by the City of Smyrna, on both ends. An asphalt pedestrian trail, as opposed to a concrete trail, is proposed to provide consistency with the planned asphalt trails at the tie-ins. The typical section for the pedestrian trail, where the proposed bridge would connect with the existing trail, would consist of a 10 foot asphalt pathway with a two foot grass strip, curb and gutter on the inside shoulder and an urban shoulder with guardrail on the outside shoulder. The outside shoulder would be constructed using a modular block retaining wall, with handrail and chain link safety fence over the wall. The existing curb and gutter on the inside shoulder would remain in place. No additional right-of-way would be required; however, railroad easement will be required and a license has already been obtained from the Georgia Property Commission for project implementation. The total project length would be approximately 450 feet (0.08 mile).

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

The proposed concept matches the project as planned in the conforming plan's model description. The proposed project is identified in the FY 2008-2013 TIP as project CO-375. The service type programmed is "pedestrian facility." This project does not add capacity and is air quality exempt.

PDP Classification: Major Minor

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

Functional Classification: Urban Collector Street

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

Traffic (AADT):

Current Year: (2009) N/A

Design Year: (2029) N/A

Existing design features:

- Typical Section:
 - Two 12-foot travel lanes with curb, gutter and a 5-foot sidewalk in each direction.
- Posted speed:
 - 45 mph
- Minimum radius for curve:
 - N/A
- Maximum grade:
 - 7.00%
- Width of right of way:
 - varies 240' to 260'
- Major structures:
 - Existing 65.2' X 219' bridge over CSX Railroad (sufficiency rating 50.64)
- Major intersections:
 - None

Proposed Design Features:

- Proposed typical section:

A 10-foot asphalt walkway with 2-foot buffer strip will be constructed along the edge of roadway. The existing curb and gutter will remain where possible.
- Proposed design speed: 45 mph
- Proposed maximum grade: 7.00% Maximum grade allowable: 8.33%
- Proposed maximum driveway grade: N/A
- Proposed minimum radius for curve: N/A Minimum radius allowable: N/A
- Proposed maximum super-elevation rate for curve: N/A
- Proposed maximum degree of curve: N/A Maximum degree allowable: N/A

- Right of way:
 - Widths: Existing right-of-way on Spring Road is variable 240-260'. No required right-of-way. A 15' temporary easement is required.
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 1 (see Need and Purpose)
 - Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - 13' X 270' pedestrian bridge required adjacent to existing bridge. The deck width is 10' and the bridge height would be variable 7'-11'.
 - Modular block retaining wall, variable height 0'-20'.
- Traffic control during construction:
 - Traffic will be maintained during construction.
- 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 |
| BRIDGE STRUCTURAL CAPACITY: | | | X |

- Design variances:
 - None
- Environmental concerns:
 - Bridge supports to be constructed outside of railroad right-of-way to minimize impacts to historic railroad.
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No ()
 - Categorical Exclusion (Yes), Programmatic
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (No)
 - Environmental Impact Statement (EIS) (No)

- Utility involvements:
 - Atlanta Gas Light
 - AT & T/BellSouth
 - Charter Communications
 - City of Smyrna
 - Cobb EMC
 - Comcast
 - Georgia Power
 - MCI
 - Cobb County-Marietta Water Authority
 - CSX Railroad

- VE Study Required? Yes (), No (X)

Project responsibilities:

- Design – City of Smyrna
- Right of Way Acquisition – City of Smyrna
- Relocation of Utilities – City of Smyrna
- Letting to contract – City of Smyrna
- Supervision of construction – City of Smyrna
- Providing material pits – Contractor
- Providing detours – None required

Coordination:

- Concept meeting date: June 3, 2009
- PAR meetings, dates and results: None required
- Permits Required (FEMA, TVA, USCG, 404, etc.): None required
- Level of public involvement: A public meeting is not anticipated.
- Local government comments: None
- Other projects in the area: GDOT Project CSHPP-0007-00(641), multiuse trail on Atlanta Road from Ridge Road to Spring Road; GDOT Project CSSTP-0006-00(992), multiuse trail on Atlanta Road from Spring Road to Fleming Street; Smyrna Project 0585092, Spring Road Trail Extension from Atlanta Road to west of the CSX Railroad; Smyrna Project 0585091, Spring Road Trail Extension from just east of the CSX Railroad to just east of Village Parkway.
- Other coordination to date: None
- Railroads: Coordination is on-going.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 3 Months.
- Time to complete preliminary construction plans: 5 Months.
- Time to complete right of way plans: 2 Months.
- Time to complete final construction plans: 6 Months.

Other alternates considered:

- 1) No build: rejected because it did not meet the need and purpose
- 2) Alternative to construct the proposed pedestrian bridge south of the existing vehicular bridge: rejected because it would require two unsafe mid-block pedestrian crossings of Spring Road, east and west of the bridge, to provide connectivity with the planned trail system.
- 3) Alternative to widen the existing bridge to accommodate the enhanced pedestrian trail: rejected by GDOT Bridge & Structural Design. The sufficiency rating of the existing bridge is 50.64.

Comments:

Attachments:

- Cost Estimates
 - a) Construction including E&C
 - b) Fuel Index Adjustments
- Typical Section
- Notice of Location Design Approval
- Concept Team Meeting Minutes
- Accident Data
- Cobb County Trail Map
- Bridge Inventory Sheet (of bridge in vicinity)

Estimate Report for file "Spring Road Pedestrian Bridge"

| Section Paving | | | | | |
|---------------------------|----------|-------|------------|---|--------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 310-1101 | 120 | TN | 17.04 | GR AGGR BASE CRS, INCL MATL | 2044.80 |
| 402-3190 | 300 | TN | 68.49 | RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME | 20547.00 |
| Section Sub Total: | | | | | \$22,591.80 |

| Section Traffic Control | | | | | |
|---------------------------|----------|-------|------------|--------------------------------------|--------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 150-1000 | 1 | LS | 30000.00 | TRAFFIC CONTROL - CSHPP-0007-00(643) | 30000.00 |
| Section Sub Total: | | | | | \$30,000.00 |

| Section Signing and Marking | | | | | |
|-----------------------------|----------|-------|------------|---|-----------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 636-1020 | 10 | SF | 16.58 | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3 | 165.80 |
| 636-2070 | 30 | LF | 8.81 | GALV STEEL POSTS, TP 7 | 264.30 |
| 653-1502 | 450 | LF | 0.45 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW | 202.50 |
| Section Sub Total: | | | | | \$632.60 |

| Section Erosion Control | | | | | |
|---------------------------|----------|-------|------------|---|--------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 163-0232 | 2 | AC | 297.78 | TEMPORARY GRASSING | 595.56 |
| 163-0300 | 2 | EA | 1177.73 | CONSTRUCTION EXIT | 2355.46 |
| 165-0030 | 900 | LF | 0.72 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | 648.00 |
| 165-0101 | 2 | EA | 482.32 | MAINTENANCE OF CONSTRUCTION EXIT | 964.64 |
| 167-1000 | 2 | EA | 486.85 | WATER QUALITY MONITORING AND SAMPLING | 973.70 |
| 171-0030 | 900 | LF | 3.64 | TEMPORARY SILT FENCE, TYPE C | 3276.00 |
| 700-6910 | 2 | AC | 754.08 | PERMANENT GRASSING | 1508.16 |
| Section Sub Total: | | | | | \$10,321.52 |

| Section Pedestrian Bridge and Retaining Walls | | | | | |
|---|----------|----------|------------|----------------------------|-----------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 515-2015 | 600 | LF | 37.75 | GALV STEEL PIPE HANDRAIL - | 22650.00 |
| 999-9998 | 1000 | SF | 65.00 | Retaining Walls | 65000.00 |
| 999-9999 | 1 | Lump Sum | 1300000.00 | Pedestrian Bridge | 1300000.00 |
| Section Sub Total: | | | | | \$1,387,650.00 |

| Section Grading and Drainage | | | | | |
|------------------------------|----------|-------|------------|---------------------------------------|---------------------|
| Item Number | Quantity | Units | Unit Price | Item Description | Cost |
| 210-0100 | 1 | LS | 200000.00 | GRADING COMPLETE - CSHPP-0007-00(643) | 200000.00 |
| 611-4003 | 3 | EA | 1500.00 | RECONSTRUCT MISC DRAINAGE STRUCTURE | 4500.00 |
| Section Sub Total: | | | | | \$204,500.00 |

Total Estimated Cost: \$1,655,695.92

Subtotal Construction Cost \$1,655,695.92

Rate 1.0 % \$16,556.96

Inflation Rate 0.0 % @ 1 Years \$0.00

Total Construction Cost \$1,672,252.88

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

| | |
|------------------|-------|
| ENTER FPL DIESEL | 2.19 |
| ENTER FPM DIESEL | 4.928 |

| | |
|--------------------|--------|
| ENTER FPL UNLEADED | 1.926 |
| ENTER FPM UNLEADED | 4.3335 |

<http://www.dct.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) | 100.000 | 0.29 | 29.00 | 0.24 | 24.00 | |
| 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) | 300.000 | 2.90 | 870.00 | 0.71 | 213.00 | |
| 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 | | | | 8.00 | | 1.50 | | |
| 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 Plan Quantity (LB) Section 501 | | | | 8.00 | | 1.50 | |
| Stru Steel Plan Quantity (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 Plan Quantity(LB) Section 511 | | | | 8.00 | | 1.50 | |
| Stru Reinf Plan Quantity(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= | 899.00 | SUM QF UNLEADED= | 237.00 |
|-----------------------|---------------|-------------------------|---------------|

| | |
|--------------------------------------|-------------------|
| DIESEL PRICE ADJUSTMENT(\$) | \$2,264.13 |
| UNLEADED PRICE ADJUSTMENT(\$) | \$524.93 |

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

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

Use this side for Asphalt Emulsion Only

| L.I.N. | TYPE | ASPHALT EMULSION (GALLONS) |
|--------|------|----------------------------|
| | | |

TMT =

REMARKS:

Use this side for Asphalt Cement Only

| L.I.N. | TYPE | TACK (GALLONS) |
|--------|------|----------------|
| | | |

TMT =

REMARKS:

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (*ENGLISH 125% MAX*)

DIESEL PRICE ADJUSTMENT(\$) \$2,264.13

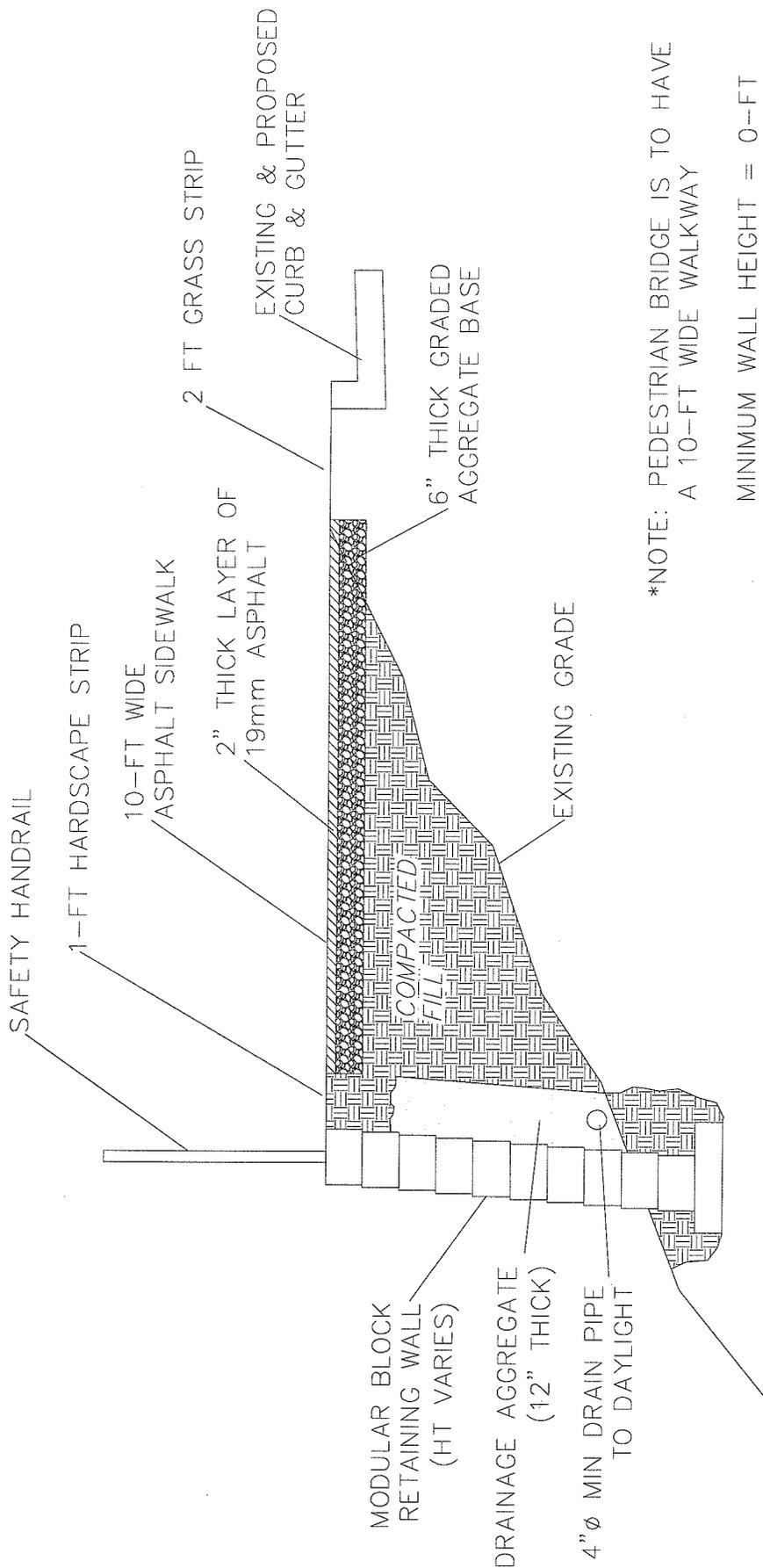
UNLEADED PRICE ADJUSTMENT(\$) \$524.93

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

400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX \$6,390.00

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

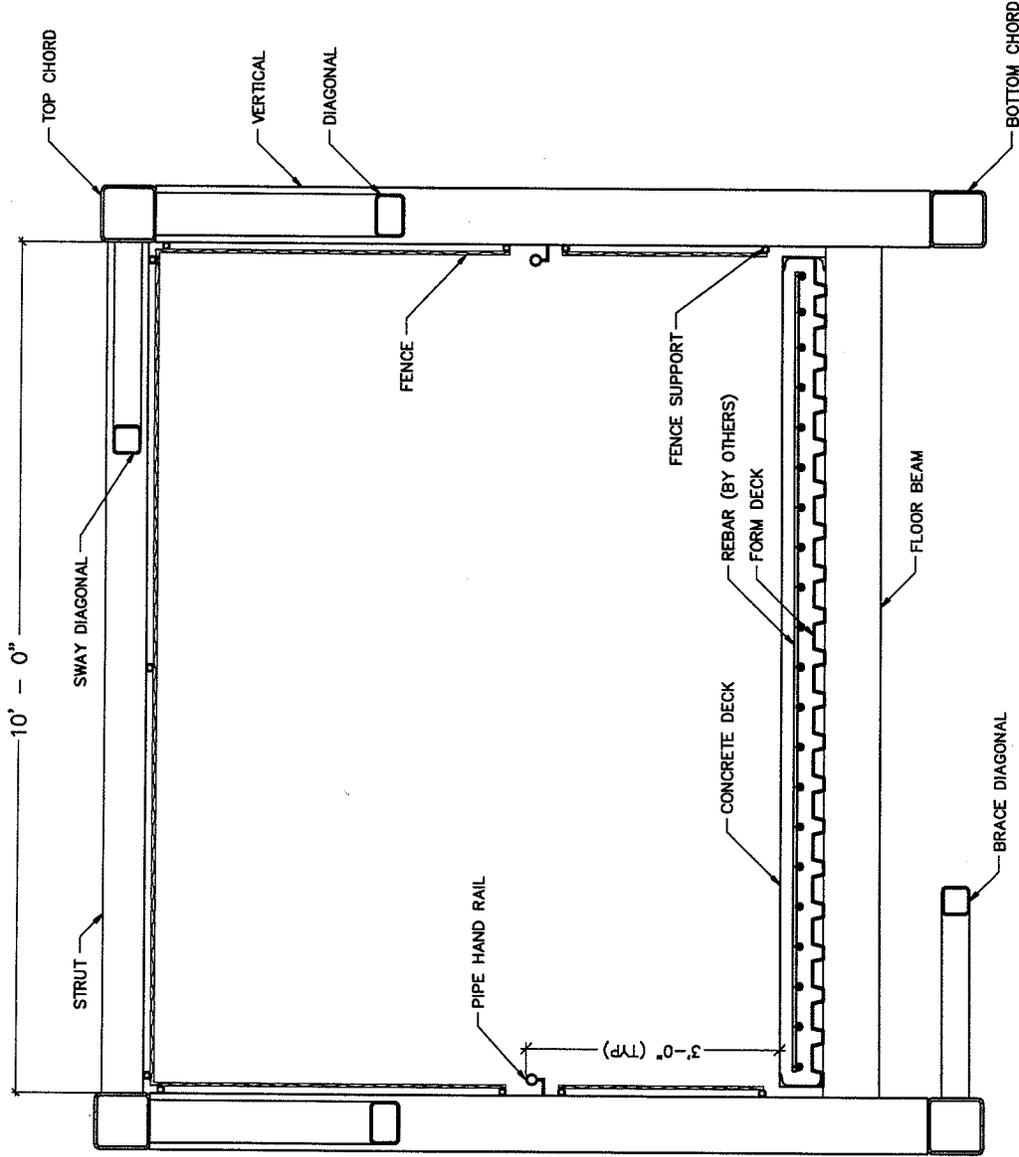
REMARKS:



*NOTE: PEDESTRIAN BRIDGE IS TO HAVE
 A 10-FT WIDE WALKWAY
 MINIMUM WALL HEIGHT = 0-FT
 MAXIMUM WALL HEIGHT = 20-FT

TYPICAL SIDEWALK SECTION @ BRIDGE APPROACH

PEDESTRIAN BRIDGE



CROSS SECTION

Spring Road over CSX
 Cobb County, Georgia
 2009-03151 10' Section
 Preliminary Only - Not for Construction

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BIG-R BRIDGE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BIG-R BRIDGE IS PROHIBITED

NOTICE OF LOCATION AND DESIGN APPROVAL

**CSHPP-0007-00(643), COBB COUNTY
P. I. NUMBER 0007643**

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is _____.

The proposed project would provide a pedestrian bridge on Spring Road over the CSX Railroad in the City of Smyrna, Cobb County, in Tax Map District 17, Land Lots 594, 595, 558 and 559.

The proposed project would provide an asphalt, pedestrian trail on Spring Road over the CSX Railroad. A bridge would be constructed north of, and adjacent to, the existing vehicular bridge over the CSX railroad to accommodate the proposed enhanced pedestrian trail. The proposed bridge would be approximately 13 feet wide by 270 feet long and would tie into the proposed 10 foot, asphalt pedestrian trail on both ends, as programmed by the City of Smyrna and included in Cobb County Trail Map. The typical section for the pedestrian trail, where the proposed bridge would connect with the existing trail, would consist of a 10 foot asphalt pathway with a two foot grass strip, curb and gutter on the inside shoulder and an urban shoulder with guardrail on the outside shoulder. No additional right-of-way would be required for project implementation. The total project length would be approximately 450 feet (0.08 mile).

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Sebastian Nesbitt, Area 2 Engineer
snesbitt@dot.ga.gov
1269 Kennestone Circle
Marietta, GA 30066
(770) 528-3238

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Mike Lobdell, P.E., District Preconstruction Engineer
District Seven Preconstruction
mlobdell@dot.ga.gov
5025 New Peachtree Road
Chamblee, GA 30341
(770) 986-1257

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

Concept Team Meeting Minutes

To: Files

From: Michelle McIntosh *mm*

CC: Merishia Robinson, GDOT; Jania Braswell, GDOT; Scott Lee, GDOT; Mac Cranford, GDOT; Alex Laffey, GDOT; Patrick Richardson, GDOT; Keith Williams, City of Smyrna; Barry Brown, PBS&J; Bob Sutton, Croy Engineering; Buddy Allison, Croy Engineering

Date: June 3, 2009

Re: GDOT Project CSHPP-0007-00(643), Cobb County, P.I. #0007643 – Concept Team Meeting for the Proposed Construction of a Pedestrian Bridge on Spring Road over the CSX Railroad in the City of Smyrna

A Concept Team Meeting was held on June 3, 2009 at the District 7 office in Chamblee. See the attached sign-in sheet for a list of attendees. A brief presentation of the project was provided followed by a page-by-page review of the Draft Concept Report. The following comments were discussed:

- General – The Concept Report should be revised throughout to reflect a proposed pedestrian bridge to accommodate increased pedestrian traffic as described in the TIP/RTP.
- General – A project schedule should be provided to GDOT using the "Consultant Project Key Dates" template. The project is currently programmed for FY 2011 construction.
- General – GDOT will look into whether or not right-of-way plans are required due to involvement with CSX "air space."
- General – The proposed pedestrian bridge will not be attached to the existing vehicular bridge.
- Page 2, Location Sketch – Revise the Interstate symbols so that they are legible. Add the Smyrna City Limits. Enlarge the font.
- Page 3, Need and Purpose – Include the Smyrna Project numbers and a brief description of the trail projects proposed east and west of pedestrian bridge project. Delete the sentence that begins, "Although there is..."
- Page 3, Project Description – Include more information about the proposed pedestrian bridge, handrail and chain link fence.

- Page 5, Right of Way – Add the existing right-of-way range.
- Page 6, Other Projects in the Area – Add the Smyrna Project numbers and brief description of the trail projects proposed east and west of the pedestrian bridge project.
- Page 6, Scheduling – GDOT will check and make sure that the CSX and GDOT utilities reviews will not affect the time to complete the final construction plans. Regardless, we should bump the anticipated completion time up to 5 or 6 months.
- Page 7, Other Alternatives Considered – Discuss widening the existing bridge.
- Cost Estimate – Show the coarse aggregate base in tons. Add the cost for a handrail. Delete the second page of the cost estimate. Check the cost of the Steadfast bridge; it seems a little high.
- Typical Section – Add the minimum and maximum height of the retaining wall. It should be a 1 foot "hardscape" strip.
- L&D Approval – Mike Lobdell's phone number is (770) 986-1257.

mm

**CSHPP-0007-00(643), Cobb County
P.I. #0007643**

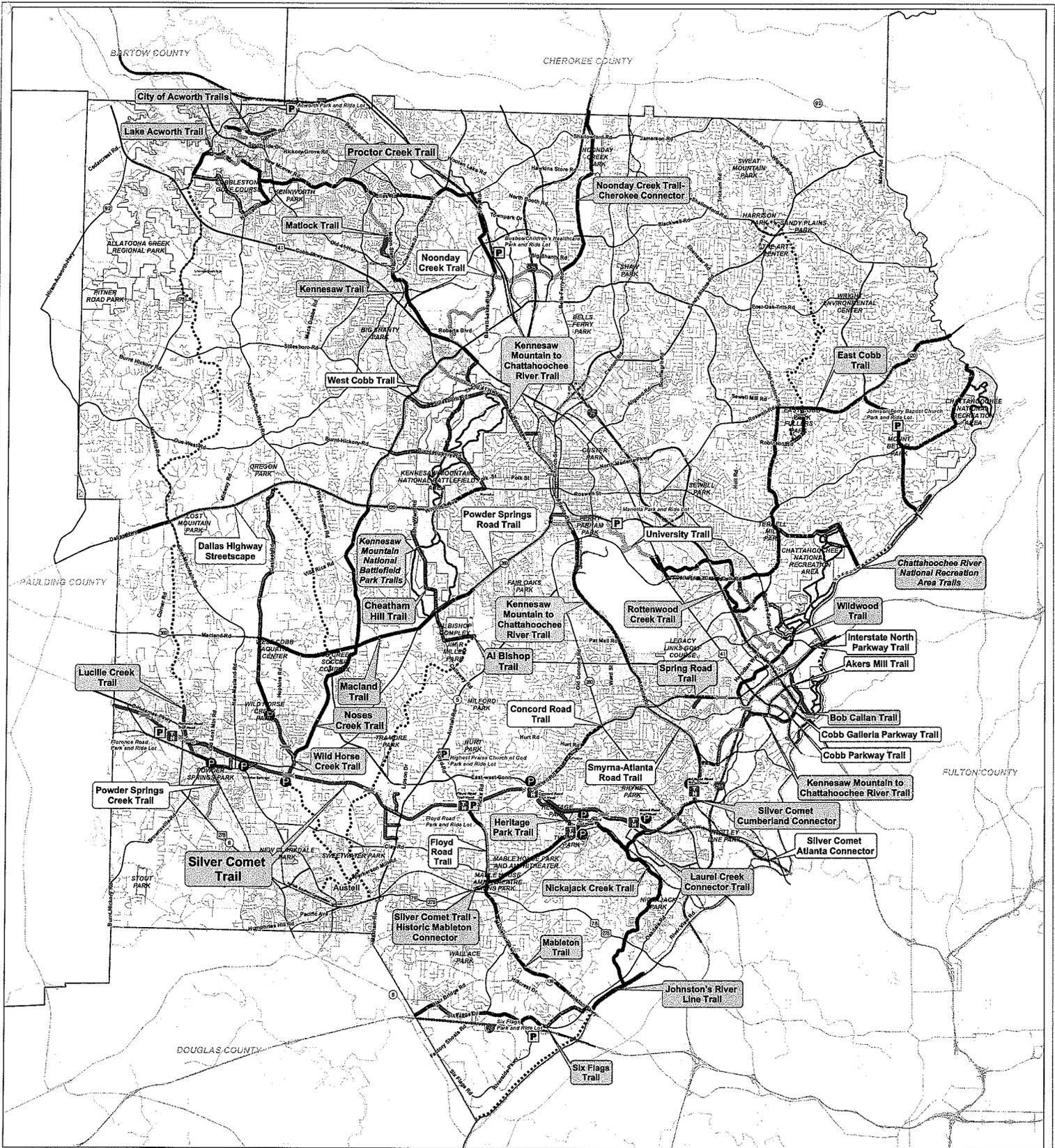
Accident/Injury/Fatality Data

| Year | # of Accidents | # of Injuries | # of Fatalities | # of Accidents Involving Pedestrians |
|------|----------------|---------------|-----------------|--------------------------------------|
| 2005 | 2 | 0 | 0 | 0 |
| 2006 | 2 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 |

Accident Rate Per 100 MVM* and Statewide Comparison

| Year | Spring Road (in area of CSX Railroad) | Similar Roadways Statewide |
|------|---------------------------------------|----------------------------|
| 2005 | 379 | 513 |
| 2006 | 377 | 510 |
| 2007 | 0 | 475 |

*100 Million Vehicle Miles Traveled



COBB COUNTY DEPARTMENT OF TRANSPORTATION

David Montanye, Director
 1890 County Services Parkway
 Marietta, GA 30008
 Phone: 770-528-1600



Cobb County Trail Map



0 0.5 1 2 Miles

Updated: May 11, 2009 LWS

Legend

| | |
|------------------------------|--------------------|
| Cobb County Trails | Pedestrian Bridges |
| Existing Trail | Railroad |
| Programmed Trail | County Boundary |
| Proposed Trail | Creeks and Streams |
| Proposed Recreational Trail | Park |
| Trail Head Facility | Trail Parking |
| National Park Service Trails | Municipality |
| Kennesaw Mountain | |
| Chattahoochee River | |

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 067-0167-0 Cobb SUFF. RATING 50.64

Location & Geography

* Structure I.D.No: 067-0167-0
 * 200 Bridge Information: 06
 * 6A Feature Int: CSX RAILROAD (340375A)
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR01782
 * 7B Facility Carried: SPRING ROAD
 * 9 Location: IN EAST SMYRNA
 2 DOT District: 7
 207 Year Photo: 2005
 * 91 Inspection Frequency: 24 Date: 08/02/2005
 * 92A Fract Crit Insp Freq: 00 Date: 02/01/1901
 * 92B Underwater Insp Freq: 00 Date: 02/01/1901
 * 92C Other Spc. Insp Freq: 00 Date: 02/01/1901
 * 4 Place Code: 71492
 * 5 Inventory Route (O/U): 1
 Type: 5

Designation: 1
 Number: 09036
 Direction: 0
 * 16 Latitude: 33-52.8 MMS Prefix: 00
 * 17 Longitude: 84-30.5 MMS Suffix: 000 MP: 0.00
 * 98 Border Bridge: 000 %Shared: 00
 * 99 ID Number: 000000000000000000

* 100 STRAHNET: 0
 * 12 Base Highway Network: 1
 * 13A LRS Inventory Route: 672178200
 * 13B Sub Inventory Route: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 003.29
 * 208 Inspection Area: 09 Initials: JMC
 Engineer's Initial: jal

* Location I.D. No.: 067-09036M-007.52E

Signs & Attachments

| | | | |
|---------------------------------|---------|------------|--|
| * 104 Highway System: | 0 | | |
| * 26 Functional Classification: | 16 | | |
| * 204 Federal Route Type: | N | No.: 09036 | |
| * 105 Federal Lands Highway: | 0 | | |
| * 110 Truck Route: | 0 | | |
| * 206 School Bus Route: | 1 | | |
| * 217 Benchmark Elevation: | 0000.00 | | |
| * 218 Datum: | 0 | | |
| * 19 Bypass Length: | 02 | | |
| * 20 Toll: | 3 | | |
| * 21 Maintenance: | 02 | | |
| * 22 Owner: | 02 | | |
| * 31 Design Load: | 5 | | |
| * 37 Historical Significance: | 5 | | |
| * 205 Congressional District: | 05 | | |
| * 27 Year Constructed: | 1967 | | |
| * 106 Year Reconstructed: | 0000 | | |
| * 33 Bridge Median: | 0 | | |
| * 34 Skew: | 37 | | |
| * 35 Structure Flared: | 0 | | |
| * 38 Navigation Control: | N | | |
| * 213 Special Steel Design: | 0 | | |
| * 267 Type of Paint: | 1 | | |
| * 42 Type of Service on: | 5 | | |
| Under: | 2 | | |
| * 214 Movable Bridge: | 0 | | |
| * 203 Type Bridge: | Z-O-M-O | | |
| * 259 Pile Encasement: | 3 | | |
| * 43 Structure Type Main: | 3 | 02 | |
| * 45 No. Spans Main: | 003 | | |
| * 44 Structure Type Appr: | 0 | 00 | |
| * 46 No. Spans Appr: | 0000 | | |
| * 226 Bridge Curve Horz: | 1 | Vert: 1 | |
| * 111 Pier Protection: | 0 | | |
| * 107 Deck Structure Type: | 1 | | |
| * 108 Wearing Surface Type: | 1 | | |
| Membrane: | 0 | | |
| Protection: | 0 | | |

| | |
|-------------------------------|--------|
| 225 Expansion Joint Type: | 02 |
| 242 Deck Drains: | 0 |
| 243 Parapet Location: | 0 |
| Height: | 0.00 |
| Width: | 0.00 |
| 238 Curb: | 1.20 1 |
| 239 Handrail: | 7 7 |
| * 240 Median Barrier Rail: | 0 |
| 241 Bridge Median Height: | 0.00 |
| Width: | 0.00 |
| * 230 Guardrail Loc Dir Rear: | 3 |
| Fwrd: | 3 |
| Oppo Dir Rear: | 0 |
| Fwrd: | 0 |
| 244 Approach Slab: | 3 |
| 224 Retaining Wall: | 0 |
| 233 Posted Speed Limit: | 45 |
| 236 Warning Sign: | 0 |
| 234 Delineator: | 0 |
| 235 Hazard Boards: | 0 |
| 237 Utilities Gas: | 00 |
| Water: | 00 |
| Electric: | 00 |
| Telephone: | 00 |
| Sewer: | 00 |
| 247 Lighting Street: | 0 |
| Navigation: | 0 |
| Aerial: | 0 |
| * 248 County Continuity No.: | 00 |

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 067-0167-0

Cobb

SUFF. RATING

50.64

Programming Data

201 Project No.: SUS-1383 (3)
 202 Plans Available: 1
 249 Prop. Proj. No. 0000000000000000
 250 Approval Status: 0000
 251 P.I. No.: 00000000
 252 Contract Date: 02/01/1901
 260 Seismic No.: 00000
 75 Type Work: 00 0
 94 Bridge Imp. Cost: \$ 0
 95 Roadway Imp. Cost: \$ 0
 96 Total Imp Cost: \$ 0
 76 Imp. Length: 000000
 97 Imp. Year: 0000
 114 Future ADT: 042915 Year: 2024

Measurements

* 29 ADT: 028610 Year: 2004
 109 % Trucks: 2
 * 28 Lanes On: 04 Under: 00
 210 No. Tracks On: 00 Under: 02
 * 48 Max. Span Length: 0080
 * 49 Structure Length: 219
 51 Br. Rdwy. Width: 52.00
 52 Deck Width: 65.20
 * 47 Tot. Horz. Cl: 52.00
 50 Curb/Sdewlk Width: 5.00/5.00
 32 Approach Rdwy Width: 052
 * 229 Shoulder Width:

Rear Lt: 2.00 Type: 1 Rt: 2.00
 Fwrd Lt: 2.00 Type: 1 Rt: 2.00

Pavement Width:

Rear: 48.00 Type: 2
 Fwrd: 48.00 Type: 2
 Intersection Rear: 0 Fwrd: 0
 36 Safety Features Br. Rail: 2
 Transition: 2

215 Waterway Data
 Highway Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000

113 Scour Critical: N
 216 Water Depth: 00.0 Br. Height: 00.0
 222 Slope Protection: 0
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0 Diver: ZZZ

* Location I.D. No.: 067-09036M-007.52E

Ratings

65 Inventory Rating Method: 1
 63 Inventory Rating Method: 1
 66 Inventory Type: 2 Rating: 18
 64 Operating Type: 2 Rating: 30
 231 Calculated Loads
 H-Modified: 19 1
 HS-Modified: 20 0
 Type 3: 19 1
 Type 3s2: 23 1
 Timber: 22 1
 Piggyback: 00 0

261 H Inventory Rating: 18

262 H Operating Rating: 31

67 Structural Evaluation: 4

58 Deck Condition: 7

59 Superstructure Condition: 7

* 227 Collision Damage: 0

60A Substructure Condition: 7

60B Scour Condition: N

60C Underwater Condition: N

71 Waterway Adequacy: N

61 Channel Protection Cond: N

68 Deck Geometry: 4

69 UnderClr. Horz/Vert: 7

72 Appr. Alignment: 8

62 Culvert: N

Posting Data

70 Bridge Posting Required: 4
 41 Struct Open, Posted, Cl: B
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date 02/10/2006
 253 Fed Notify Date: 05/11/2006

55 Lateral Undercl. Rt: R 17.60
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 7.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 0.00
 212 Year Last Painted: Sup: 1967 Sub: 0000

Hydraulic Data

215 Waterway Data
 Highway Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: N
 216 Water Depth: 00.0 Br. Height: 00.0
 222 Slope Protection: 0
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0 Diver: ZZZ

* Location I.D. No.: 067-09036M-007.52E