

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0009449
GDOT District 2 - Tennille
Jefferson County
Louisville Academy - SRTS

OFFICE Design Policy & Support

DATE 11/3/2011

FROM *W. Brent Story*
for 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
Jimmy Smith, District Engineer
Attn: Vonda Everett, for District Preconstruction Engineer
Lynn Bean, District Utilities Engineer
Derrick Cameron, Project Manager
BOARD MEMBER - 12th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

SAFE ROUTES TO SCHOOL

County: Jefferson

P. I. Number: 0009449

Federal Route Number: N/A

State Route Number: N/A

Louisville Academy - SRTS

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

DATE 12 AUGUST 2011

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

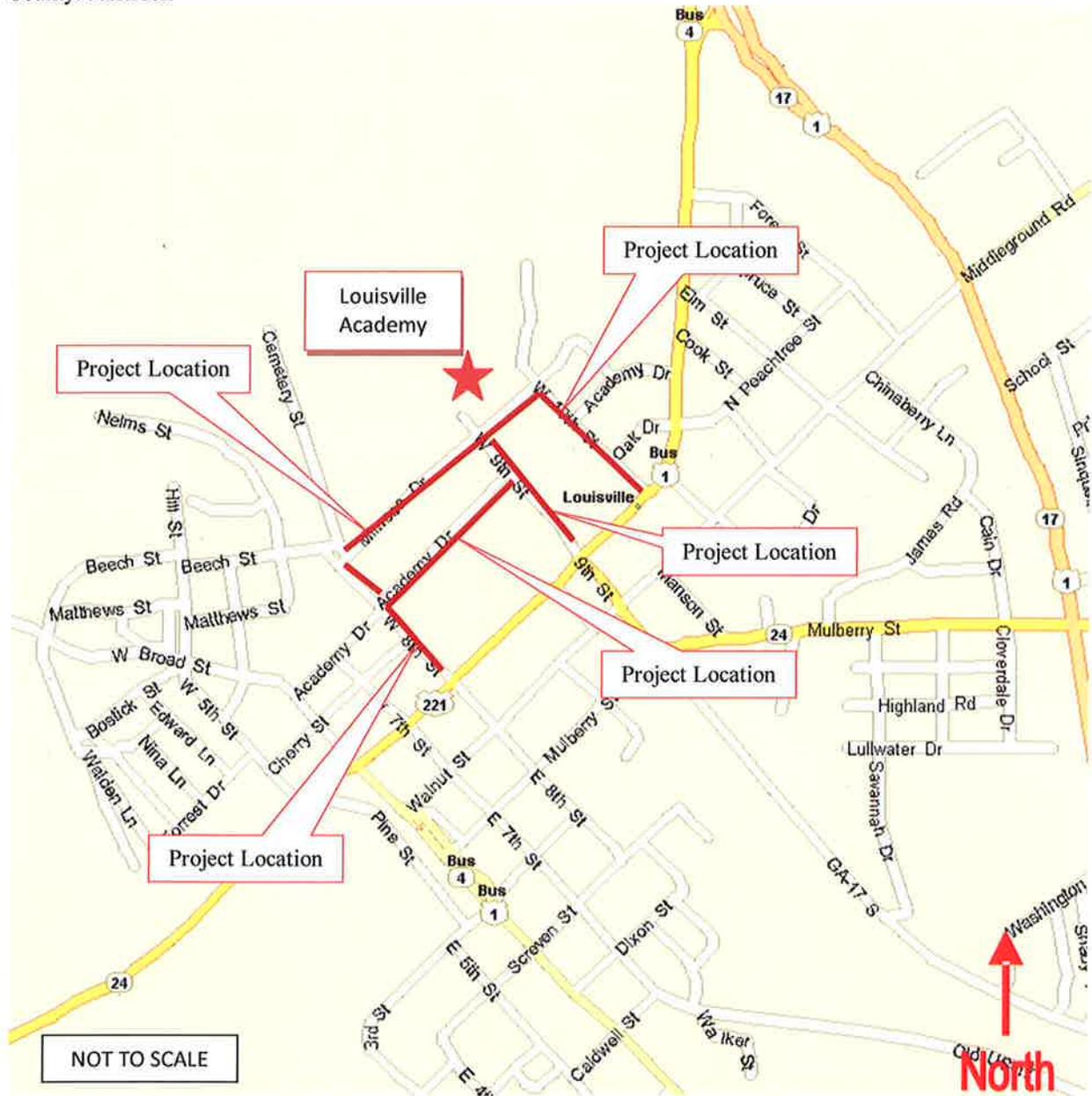
DATE 12 AUGUST 2011

[Signature]
Project Manager

Approvals:

Concur: [Signature] Date: 8-19-2011
State Program Delivery Engineer

Approve: [Signature] Date: 10/27/11
Director of Engineering



Legend:



School Location

Project Location

Project Location Map

Louisville Academy - SRTS

Need and Purpose:

PI 0009449 is a Safe Routes to School (SRTS) infrastructure project that will improve pedestrian and bicycling accessibility for students within a two-mile radius of Louisville Academy in Jefferson County. The school is located on Mimosa Drive between 9th Street and 10th Street in Louisville.

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.

The City of Louisville has identified a need to improve the walking and bicycling network in the vicinity of the school. The project will improve pedestrian accessibility on portions of 8th Street, 9th Street, 10th Street, Mimosa Drive and Academy Drive through replacement of existing damaged sidewalks with new Americans with Disabilities Act (ADA)-compliant sidewalks, as well as improved crosswalks with ADA-compliant curb ramps at intersections. The project will also improve bicycle accessibility, 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:

This project consists of pedestrian improvements in the vicinity of Louisville Academy in Jefferson County, Georgia. Along Mimosa Drive, from 8th Street to 10th Street, new sidewalk will be installed on the north side of the road and existing sections of damaged sidewalk will be replaced on the south side of the road. New raised crosswalks will be provided crossing Mimosa Drive at the intersections with 8th Street, 9th Street and 10th Street, and crossing 8th Street at the intersection with Academy Drive. Sections of existing damaged sidewalk will be replaced with new sidewalk along the east side of 9th Street and the west side of 10th Street from Peachtree Street/US Business 1/US 221/SR 24 to Mimosa Drive. Sections of existing damaged sidewalk will also be replaced with new sidewalk along both sides of 8th Street from Peachtree Street/US Business 1/US 221/SR 24 to Academy Drive, along the east side of 8th Street from Academy Drive to Mimosa Drive, and along the south side of Academy Drive from 8th Street to 9th Street. Marked crosswalks will be installed with ADA-compliant curb ramps at all street intersections within the project limits.

See attachment #2 for project concept typical intersection improvement layout.

Is the project located in a PM 2.5 Non-attainment area? ___Yes ___**X** No

Is this project located in an Ozone Non-attainment area? ___Yes ___**X** No

PDP Classification: Major (), Minor (**X**)

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

Functional Classification:

Mimosa Drive: Rural Local Road
Academy Drive: Rural Local Road
8th Street: Rural Local Road
9th Street: Rural Local Road
10th Street: Rural Local Road

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

State Route Number(s): N/A

Traffic (ADT): N/A

Existing design features:

- Existing Typical Section:
 - Mimosa Drive: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip with variable width (4' to 5') sidewalks
 - Academy Drive: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip with variable width (4' to 5') sidewalks
 - 8th Street: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip with variable width (4' to 5') sidewalks
 - 9th Street: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip with variable width (4' to 5') sidewalks
 - 10th Street: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip with variable width (4' to 5') sidewalks
- Posted Speed
 - Mimosa Drive: 25 mph
 - Academy Drive: 25 mph
 - 8th Street: 25 mph
 - 9th Street: 25 mph
 - 10th 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.

 - Mimosa Drive: 60' (approximate)
 - Academy Drive: Varies 60'-75' (approximate)
 - 8th Street: 80' (approximate)

- 9th Street: Varies 50'-85' (approximate)
- 10th Street: 60' (approximate)
- Major structures: None
- Major interchanges or intersections along project
 - Major Intersections:
 - 8th Street at Peachtree Street/US 1/US 221/SR 24
 - 9th Street at Peachtree Street/US 1/US 221/SR 24
 - 10th Street at Peachtree Street/US 1/US 221

Proposed Design Features:

- Proposed Typical Section:
 - Mimosa Drive: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip and variable width (5' typical, 4' minimum) sidewalks
 - Academy Drive: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip and variable width (5' typical, 4' minimum) sidewalks
 - 8th Street: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip and variable width (5' typical, 4' minimum) sidewalks
 - 9th Street: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip and variable width (5' typical, 4' minimum) sidewalks
 - 10th Street: One 12' minimum travel lane in each direction, urban shoulders with curb and gutter, variable width grassed strip and variable width (5' typical, 4' minimum) sidewalks
- Proposed Design Speed:
 - Mimosa Drive: 25 mph
 - Academy Drive: 25 mph
 - 8th Street: 25 mph
 - 9th Street: 25 mph
 - 10th 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: N/A
- Major intersections along the project:
 - 8th Street at Peachtree Street/US 1/US 221/SR 24
 - 9th Street at Peachtree Street/US 1/US 221/SR 24
 - 10th Street at Peachtree Street/US 1/US 221
- Traffic control during construction: Minimal impact lane closures are anticipated along Mimosa Drive, Academy Drive, 8th Street, 9th Street, and 10th Street during crosswalk striping installation.
- 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)
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 (Jefferson 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	\$464,338.15	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: 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: N/A

Coordination

- Concept Meeting date and brief summary: 05/17/2011 - 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: N/A
- Other projects in the area:
 - o Passing lanes along US 221/SR 24 at Various Locations
GDOT Project No. STP00-00MS-00(001); PI No. 231230
- 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 a five-foot sidewalk along Mimosa Drive, from 8th Street to 10th Street, on the north side of the road. Install raised crosswalks on Mimosa Drive at the intersections with Cemetery Street, 9th Street and 10th Street. Replace sections of existing damaged sidewalk along the east side of 9th Street from Peachtree Street/US Business 1/US 221/SR 24 to Mimosa Drive. Replace sections of existing damaged sidewalk along the west side of 10th Street from US Business 1/US 221 to Mimosa Drive. Replace sections of existing sidewalks along both sides of 8th Street from Peachtree Street/US Business 1/US 221/SR 24 to Academy Drive, and along the east side of 8th Street from Academy Drive to Mimosa Drive. Install a raised crosswalk at the intersection of 8th Street and Academy Drive. Improve sidewalk along the south side of Academy Drive from 8th Street to 9th Street. Install marked crosswalks with ADA-compliant curb ramps at intersections within the project limits.

(2) No Build.

Comments:

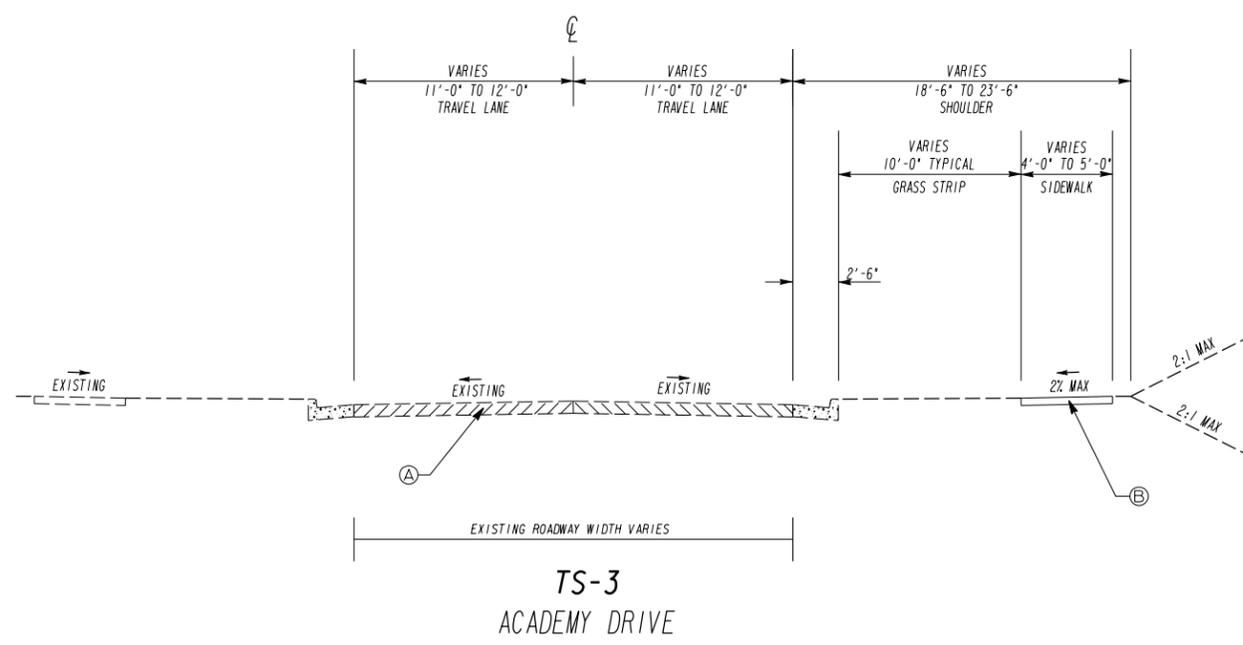
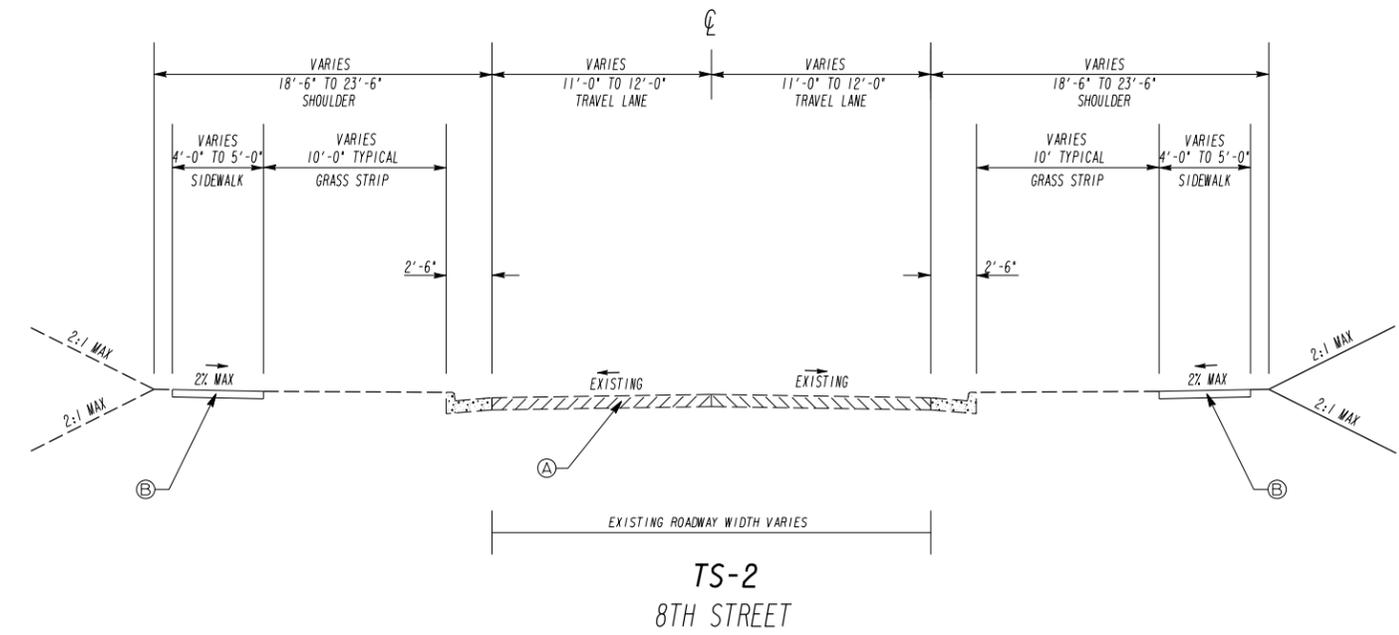
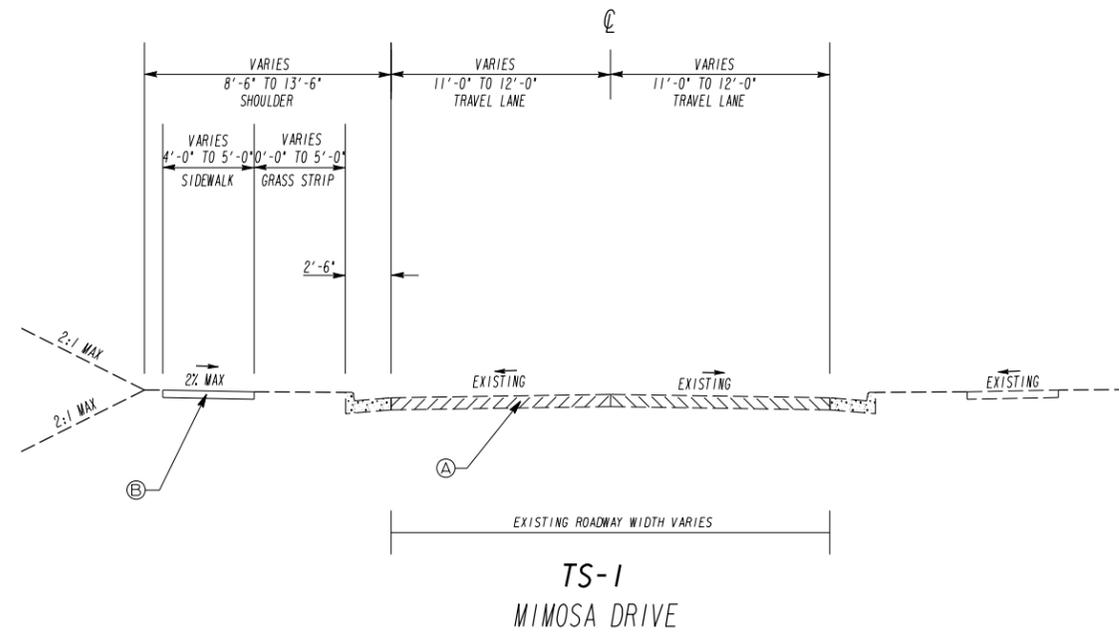
Comparison Summary of Alternates 1-3

Alternate (1) is recommended for this concept.

Alternate (2) is not recommended for this concept. The no-build alternate would not promote safe walking and bicycling for children attending Louisville Academy as stated in the project need and purpose.

Attachments:

1. Construction Cost Estimate
2. Concept Typical Sections
3. Concept Layout
4. Concept Team Meeting Minutes (05/17/2011)



- REQUIRED PAVEMENT
- (A) EXISTING PAVEMENT, TO BE RETAINED
 - (B) CONC SIDEWALK, 4 IN.

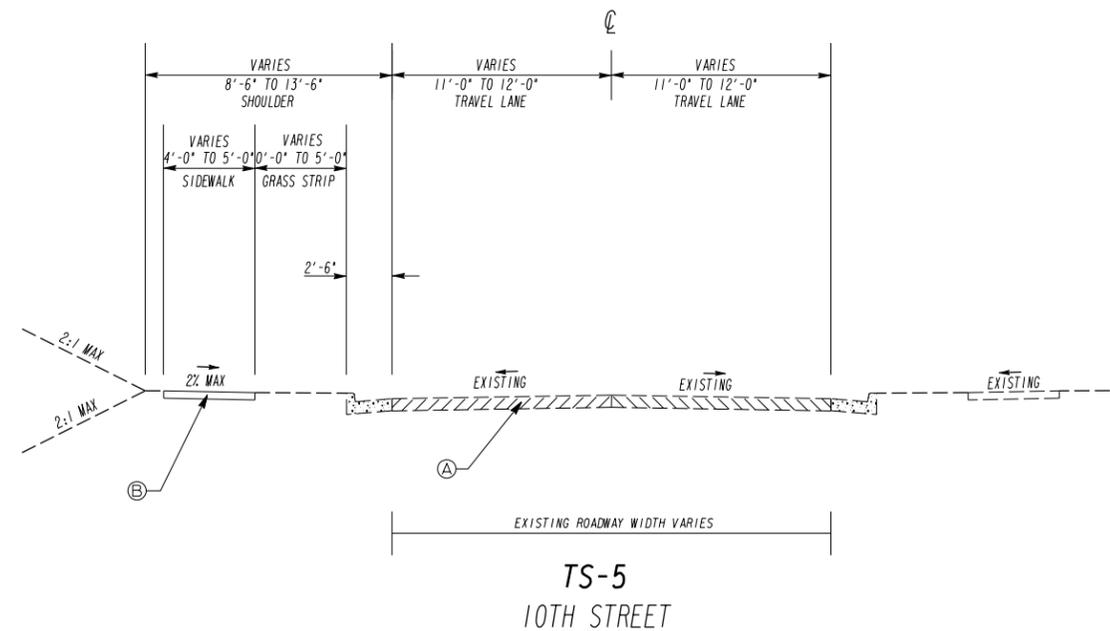
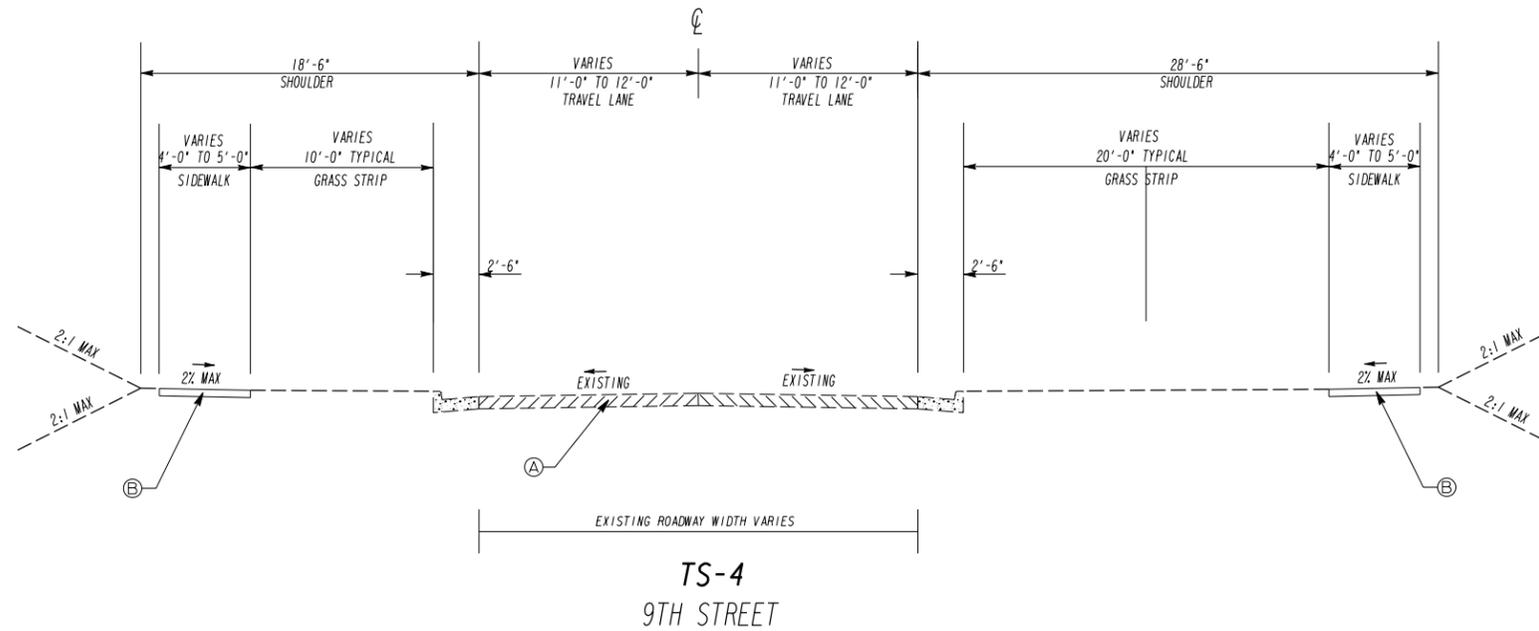
**Kimley-Horn
 and Associates, Inc.**
 Engineering, Planning, and Environmental Consultants
 817 W. Peachtree Street NW, Suite 601
 Atlanta, GA 30308

NOT TO SCALE

REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS

TYPICAL SECTIONS



- REQUIRED PAVEMENT
- (A) EXISTING PAVEMENT, TO BE RETAINED
 - (B) CONC SIDEWALK, 4 IN.

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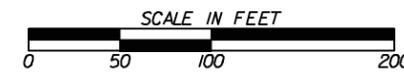
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REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: TRAFFIC OPERATIONS
TYPICAL SECTIONS



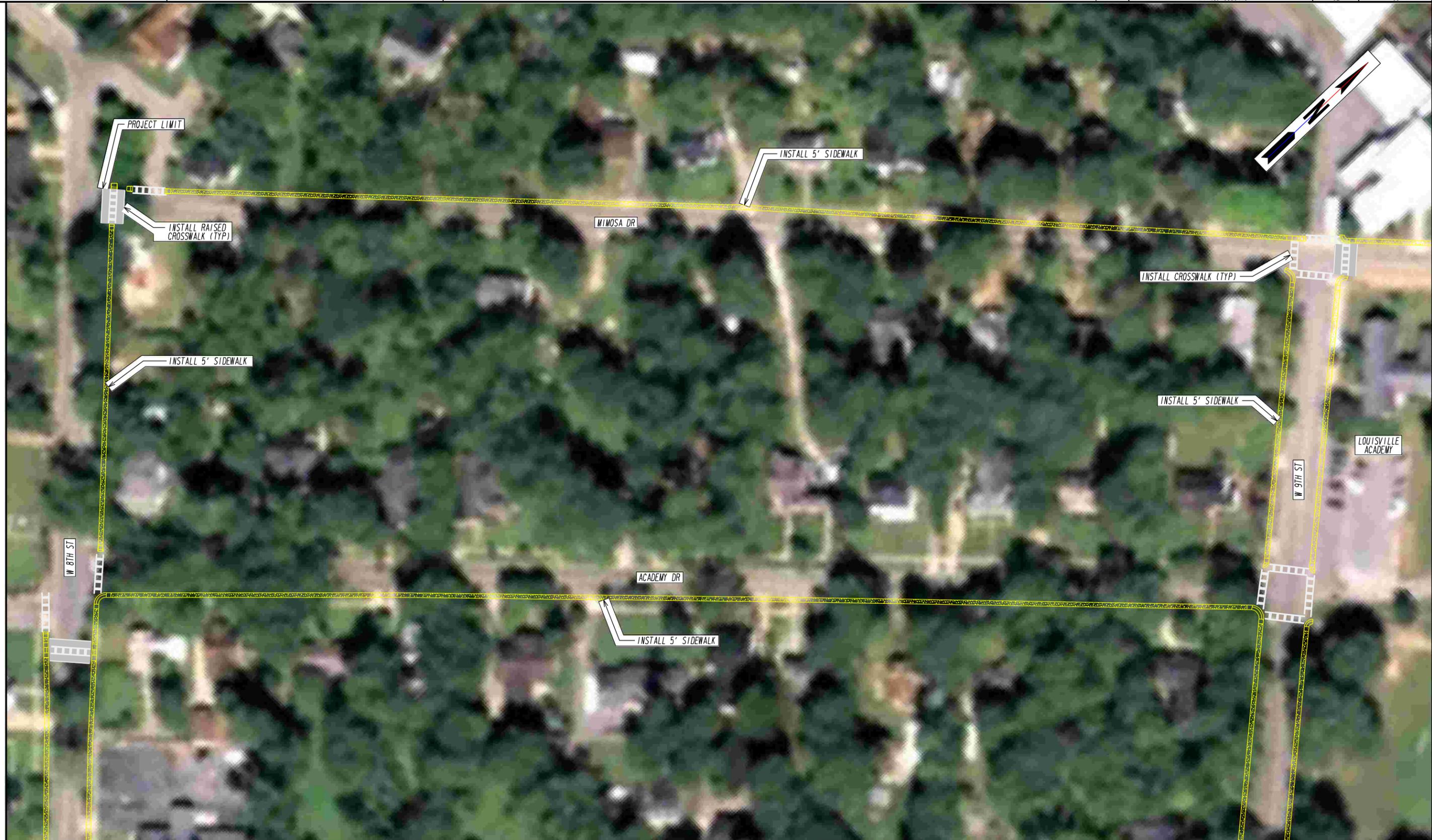
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REVISION	DATE	DESCRIPTION

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY
CONCEPT LAYOUT
LOUISVILLE ACADEMY - SRTS
 PI NO. 0009449

DRAWING No.
01



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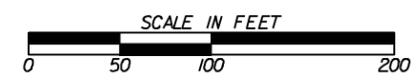
REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY
CONCEPT LAYOUT
LOUISVILLE ACADEMY - SRTS
PI NO. 0009449

DRAWING No.
02



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REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY
CONCEPT LAYOUT
LOUISVILLE ACADEMY - SRTS
 PI NO. 0009449

DRAWING No.
03

LOUISVILLE SRTS CONCEPT MEETING MINUTES

Date: May 17, 2011
Project: Safe Routes to School Infrastructure Projects
County: Jefferson
Subject: Concept Team Meeting

Attendees:

Patrick Allen	Georgia Department of Transportation (GDOT)
Charity Belford	GDOT
Don Rhodes	City of Louisville
Rita Culvern	City of Louisville
Larry Morgan	City of Louisville
Lil Easterlin	City of Louisville
Donnie Hodges	Jefferson County Board of Education
Mary Howard	Jefferson County Board of Education
Jimmy Miller	Louisville Police Department
Shontrill Baskin	CSRA RC
Patti Sistrunk	GDOT Safe Routes to School Resource Center
Stuart Day	Kimley-Horn and Associates (KHA)
Sean Johnston	KHA

This Safe Routes to School concept team meeting was held on Tuesday, May 17, 2011 at Louisville City Hall and in the vicinity of Louisville Academy in Louisville, 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 and intersection modifications to improve conditions for children walking and bicycling to school.

The meeting began with a group discussion at City Hall, 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 explained the requirement of constructing the entire project within existing right-of-way, and also gave an explanation of historic boundaries that could impact the project scope. The construction budget of \$500,000 was also discussed.
- KHA gave an overview of the design team's understanding of the project. Input was given from the City of Louisville to develop the scope of the project. The scope of the project will involve reconstructing/upgrading sidewalk along Mimosa Drive, Academy Drive, 8th Street, 9th Street and 10th Street. There will also be raised crosswalks on Mimosa Drive at 8th Street, 9th Street, and 10th Street. It is a priority to preserve the historic arches. Other high priorities are the sidewalks on 9th and 10th Street.

- The City of Louisville/Board of Education discussed the proposed school project to be built across Mimosa Drive from the existing Louisville Academy. The schedule of the school construction was discussed with the design to be completed in the fall of 2011, bidding in the spring of 2012, and construction in the fall of 2012. The proposed 90 degree parking along 10th Street was discussed as an issue for pedestrian accessibility.
- If additional construction funds remain, the City of Louisville requested consideration for replacement of the heaving pavement along Mimosa Drive and 10th Street. It was discussed that this may not be eligible in the scope of the SRTS project, but may be feasible as part of the new school project.

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:

- The sidewalks with high priority along 9th Street are the north side of the street.
- A raised crossing was discussed on 8th Street, just south of Academy Drive. An improved crossing at this location could also provide traffic calming along 8th Street.
- The slopes behind the sidewalks on portions of 9th Street are steep, and may require grading or handrails.

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