

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 0000526, Fulton County **OFFICE** Preconstruction  
HPP-0000-00(526)  
Freemanville Road at Providence Road  
Intersection Improvements **DATE** August 28, 2006

**FROM** *Genetha Rice* Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO** *For* SEE DISTRIBUTION

**SUBJECT** APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers  
Harvey Keeper  
Ken Thompson  
Jamie Simpson  
Michael Henry  
Keith Golden  
Joe Palladi (file copy)  
Paul Liles  
Babs Abubakari  
Bryant Poole  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P. I. No. 0000526, Fulton County **OFFICE** Preconstruction  
 HPP-0000-00(526)  
 Freemanville Road at Providence Road  
 Intersection Improvements **DATE** August 17, 2006

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

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

**SUBJECT** PROJECT CONCEPT REPORT

This project is the intersection improvements on Freemanville Road at Providence Road in Fulton County. Traffic projections for the intersection indicate substantial growth and the need for operational upgrades. Traffic warrant analysis justifies the provision of a signal for the intersection. The intersection improvements will provide local and through traffic with a facility that will serve current and future travel demand and provide the public with an improved driving and walking environment.

The unsignalized all way stop controlled intersection will be converted to a signalized intersection with dedicated right and left turn lanes on all approaches except the northbound approach on Freemanville Road. This approach will have a dedicated left turn lane only. Both Freemanville Road and Providence Road will be widened on both sides as part of the project. The proposed typical section for approaches along both Freemanville Road and Providence Road consists of one through lane, with right and left turning lanes as applicable. Immediately adjacent to the road pavement, curb and gutter will border on a grass planting strip and sidewalk.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public information open house has been held; 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 and inflation)	\$2,085,000	\$800,000	Q92	2009
Right-of-Way & Utilities*	Local	Local		

\*Fulton County signed PMA on 2-25-04 for PE, right-of-way, and utilities/DOT reimburse 80% PE.

David Studstill

Page 2

P. I. No. 0000526, Fulton

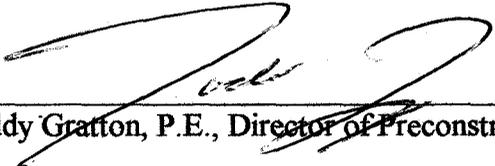
August 17, 2006

I recommend this project concept be approved.

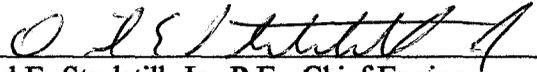
MBP:JDQ/cj

Attachment

CONCUR

  
Buddy Gratton, P.E., Director of Preconstruction

APPROVE

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

-----  
**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** HPP-0000-00(526) Fulton  
P.I. No. 0000526  
Freemanville Rd. @ Providence Rd.

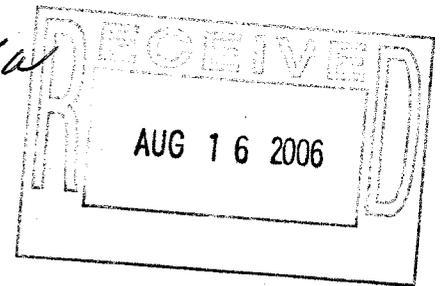
**OFFICE:** Engineering Services

**DATE:** August 15, 2006

**FROM:** Brian K. Summers, P.E., Project Review Engineer *REW*

**TO:** Meg Pirkle, P.E., Assistant Director of Preconstruction

**SUBJECT:** CONCEPT REPORT



We have reviewed the Concept Report submitted August 10, 2006, and have no comments.

The costs for this project are:

Construction	\$1,636,992
Inflation	\$258,031
E & C	\$189,502
Reimbursable Utilities	\$50,000 (Locals)
Right of Way	\$213,600 (Locals)

REW

c: Bryant Poole, Attn.: Mike Lobdell

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> HPP-0000-00(526)		<b>County:</b> Fulton		<b>PI No.:</b> 0000526	
<b>Report Date:</b> August 10, 2006		<b>Concept By:</b> DOT Office: District 7			
<input checked="" type="checkbox"/> Concept Stage		Consultant: US Infrastructure, Inc.			
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major	<input checked="" type="checkbox"/> Urban	<input type="checkbox"/> ATMS	
		<input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Rural	<input type="checkbox"/> Bridge Replacement	
				<input type="checkbox"/> Building	
				<input type="checkbox"/> Interchange Reconstruction	
				<input checked="" type="checkbox"/> Intersection Improvement	
				<input type="checkbox"/> Interstate	
				<input type="checkbox"/> New Location	
				<input type="checkbox"/> Widening & Reconstruction	
				<input type="checkbox"/> 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

PROJECT CONCEPT REPORT

Freemanville Road (CR 34) at Providence Road (CR 27)

Project Number: HPP-0000-00(526)

County: Fulton

P. I. Number: 0000526

Federal Route Number: N/A

State Route Number: N/A

Recommendation for approval:

DATE 8/9/06

Neil Tolson

Project Manager

DATE 8/10/06

Bay Hood

~~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 Environmental/Location Engineer

DATE 8-14-06

Heath Sehl

State Traffic Safety & Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Freemanville Road (CR 34) at Providence Road (CR 27)

Project Number: HPP-0000-00(526)

County: Fulton

P. I. Number: 0000526

Federal Route Number: N/A

State Route Number: N/A

Recommendation for approval:

DATE 8/9/06

DATE 8/10/06

Mark Todd

Project Manager

Bay Hill

~~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 Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Safety & Design Engineer

DATE 8/15/06

Brian K. Sumner *RCW*

Project Review Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Freemanville Road (CR 34) at Providence Road (CR 27)

Project Number: HPP-0000-00(526)

County: Fulton

P. I. Number: 0000526

Federal Route Number: N/A

State Route Number: N/A

Recommendation for approval:

DATE 8/9/06

Mark L. ...

Project Manager

DATE 8/10/06

Barry ...

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 8/28/06

Thomas D. ...

State Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Safety & Design Engineer

DATE \_\_\_\_\_

Project Review Engineer

Project Concept Report page 23  
Project Number: HPP-0000-00(526)  
P. I. Number: 0000526  
County: Fulton

## NOTICE OF LOCATION AND DESIGN APPROVAL

**Project No. HPP-0000-00(526) – Fulton County**  
**P.I. Number 0000526**

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 AUGUST 28, 2006

The project consists of improvements of Freemanville Road @ Providence Road, located in Fulton County, 3<sup>rd</sup> district, Land Lots 1060, 1061, 1100, & 1101.

The improvement project includes intersection improvements, including signalization at the intersection of Freemanville Road and Providence Road.

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

Jeff Woodward  
Area Engineer  
[jeff.woodward@dot.state.ga.us](mailto:jeff.woodward@dot.state.ga.us)  
862 Barnes Mill Road  
Marietta, Georgia 30062  
(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  
District Preconstruction Engineer  
[mike.lobdell@dot.state.ga.us](mailto:mike.lobdell@dot.state.ga.us)  
5025 New Peachtree Road  
Chamblee, Georgia 30341  
(404) 463-4947

Any written requests 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

INTERDEPARTMENT CORRESPONDENCE

FILE HPP-000-00(526) Fulton County OFFICE D7 Chamblee  
Freemanville Rd. @ Providence Rd.  
P.I.# 0000526 DATE August 9, 2006  
FROM *Bryant Poole* *HAL*  
Bryant Poole, District Engineer  
TO Meg Pirkle, Assistant Director of Preconstruction  
SUBJECT **Project Concept Report**

Attached is the original copy of the Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

If you have any questions please call Mike Lobdell at (404) 463-4947.

*Distribution:*

cc: Brian Summers, Project Review Engineer  
Harvey Keeper, State Environmental / Location Engineer  
Keith Golden, State Traffic Safety & Design Engineer  
Joseph Palladi, State Transportation Planning Administrator  
Jamie Simpson, Office of Financial Management Administrator  
File

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**

Freemanville Road (CR 34) at Providence Road (CR 27)

Project Number: HPP-0000-00(526)

County: Fulton

P. I. Number: 0000526

Federal Route Number: N/A

State Route Number: N/A

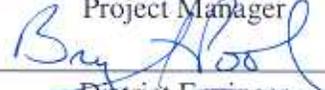
Recommendation for approval:

DATE 8/9/06

DATE 8/10/06



Project Manager



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 Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety & Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer



**Need and Purpose:** This project is designated under the Capital Improvements Program and the Fulton County Project No. is T153. The purpose of this high priority project (HPP) is to improve the operation of the Freemanville Road and Providence Road intersection. The surrounding land use is primarily agricultural and residential, with one small neighborhood restaurant located along the corridor. Traffic projections for the intersection indicate substantial growth and the need for operational upgrades. Traffic signal warrant analysis justifies the provision of a signal for the intersection. Turn lanes and a traffic signal will provide functional improvements for traffic while sidewalks from this project will improve pedestrian access. Left and right dedicated turn lanes have been added on all approaches with the exception of a dedicated northbound right turn lane on Freemanville Road. At the request of the community and local homeowners, this turn lane has been omitted as its impact to adjacent homeowners is significant, and it is of limited operational benefit to the intersection. At the end of the intersection design life (2029 design year), the level of service for the intersection does not improve with the addition of this turn lane. The intersection improvements will provide local and through traffic with a facility that will serve current and future travel demand and provide the public with an improved driving and walking environment. Existing and proposed Level of Service & Delay times are shown below in Tables 1 & 2.

Table 1: Level of Service						
	2009 (no build)		2029 (no build)		2029 (with build)	
	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour
Freemanville Road - Northbound	B	B	E	F	F	D
Freemanville Road - Southbound	E	B	F	F	E	C
Providence Road - Eastbound	F	B	F	F	E	C
Providence Road - Westbound	D	D	F	F	C	B
Intersection	F	C	F	F	E	C

Table 2: Delay Times						
	2009 (no build)		2029 (no build)		2029 (with build)	
	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour
Freemanville Road - Northbound	15.0sec	13.3sec	37.1sec	84.8sec	98.4sec	44.8sec
Freemanville Road - Southbound	35.7sec	13.2sec	562.8sec	111.7sec	73.4sec	21.0sec
Providence Road - Eastbound	201.5sec	14.4sec	1297.5sec	279.4sec	77.8sec	29.6sec
Providence Road - Westbound	27.8sec	34.5sec	466.8sec	1009.4sec	26.9sec	19.8sec
Intersection	104.6sec	23.3sec	818.6sec	561.1sec	66.7sec	25.9sec

A three-year history of accidents at this intersection is shown in Table 3. This provides the number of total accidents at this intersection, per type and per year between 2003 and 2005.

Year	Type of Accident					Total
	Angle	Sideswipe	Rear End	Head On	Other	
2003	2	0	0	0	1	3
2004	0	0	0	0	1	1
2005	0	0	1	0	0	1
<b>Total</b>	2	0	1	0	2	5

**Description of the proposed project:** The project shall include operational upgrades under the North Fulton Intersection Improvements, Phase IV contract, which includes Freemanville Road @ Providence Road (T153), GDOT Project No. HPP-0000-00(526), P.I. No. 0000526. The project is located in northwest Fulton County, near the Fulton-Cherokee County line. The termini for this project have been selected to complete required improvements and tie into existing roadway.

This intersection is near the new Milton High School. The existing intersection alignment will be adjusted to incorporate improvements, while minimizing right-of-way impacts to existing properties. The unsignalized all way stop controlled intersection will be converted to a signalized intersection, with dedicated right and left turn lanes on all approaches except the northbound approach on Freemanville Road. This approach will have a dedicated left turn lane only. Both Freemanville Road and Providence Road will be widened on both sides as part of the project. The proposed typical section for approaches along both Freemanville Road and Providence Road consists of one thru lane, with right and left turning lanes as applicable. Immediately adjacent to the road pavement, curb & gutter will border on a grass planting strip and sidewalk. Based on Concept Plans, the total project length along Freemanville Road will be 1794' and 634' along Providence Road.

**Is the project located in a Non-attainment area?**  Yes  No  
 Project conforms to what is currently programmed in 2006-2011 TIP.

**PDP Classification:** Major \_\_\_\_\_ Minor

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

**Functional Classification:** Urban Collector Streets

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

**County Route Number(s):** Freemanville Road= CR 34  
 Providence Road= CR 27

**Traffic (AADT):**

Table 4: AADTs							
Freemanville Road				Providence Road			
Existing		Future		Existing		Future	
2009		2029		2009		2029	
NB	SB	NB	SB	WB	EB	WB	EB
2291	2505	5020	5490	1862	5567	4080	12197

**Existing design features:**

- **Typical Section:** Two 10' travel lanes, one lane in each direction; 2' Curb and Gutter with 5' sidewalks on Providence East approach leg.
- **Posted speed:** 45 mph
- **Existing Radii:**  
 Freemanville: 997.63'  
 Providence: 1108.02'
- **Maximum grade:** Providence Road: 4.1%  
 Freemanville Road: 6.5%
- **Width of right of way:** 60' (Providence Road); 50' (Freemanville Road)
- **Major structures:** N/A
- **Major interchanges or intersections along the project:** Freemanville Road at Providence Road
- **Existing length of roadway for each county segment:** Freemanville Road: 1794';  
Providence Road: 624'

**Proposed Design Features:**

- **Proposed typical section(s):** One 12' thru lane, 12' right and left turning lanes for each approach leg, except northbound on Freemanville Road, which will have one 12' thru lane and 12' left turn lane (no right turn lane). A 3' grass planting strip will separate 2' curb & gutter from 5' sidewalks.
- **Proposed Design Speed Mainline:** 45 mph
- **Proposed Maximum grade Providence (Mainline):** 4.1%  
 Maximum grade allowable 9%
- **Proposed Maximum grade Freemanville Road (Side Street):** 8.5%  
 Maximum grade allowable: 9%
- **Proposed Maximum grade driveway:** 5%
- **Proposed Maximum degree of curve:** 5°44'36"  
 Maximum degree allowable: 7°04'
- **Right of way**
  - **Width:** Freemanville Road (maximum 75', minimum 55')  
Providence Road (maximum 75', minimum 55')
  - **Easements:** Temporary (X), Permanent ( ), Utility ( ), Other ( ).
  - **Type of access control:** Full ( ), Partial ( ), By Permit (X), Other ( ).

○ Number of parcels: 16

**Number of displacements:**

- Business: 0
- Residences: 0
- Mobile homes: 0
- Other: 0

• **Structures:** N/A

• **Major intersections and interchanges:**

The Freemanville Road and Providence Road intersection will be improved by adding left and right turn lanes and a signal, except northbound on Freemanville Road, which will have not have a dedicated right turn lane.

• **Traffic control during construction:** Two-way, two-lane traffic will be maintained at all times.

• **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:** No variances are anticipated.

• **Environmental concerns:** Two invasive plant species have been identified within the project area. Care will be taken during the construction process to prevent or minimize the spread of these species.

• **Level of environmental analysis:**

- Are Time Savings Procedures appropriate? Yes (X), No ( ),
- Categorical exclusion (X), or
- Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
- Environmental Impact Statement (EIS) ( ).

• **Utility involvements:** Water – Fulton County Public Works  
 Telephone – BellSouth  
 Power – Georgia Power  
 Gas – Atlanta Gas Light  
 Cable – Comcast

**Project responsibilities:**

- Design – Fulton County & USI (Consultant)
- Right of Way Acquisition – Fulton County
- Relocation of Utilities – Fulton County
- Letting to contract – Georgia Department of Transportation
- Supervision of construction – Georgia Department of Transportation
- Providing material pits – Contractor
- Providing detours – Contractor

**Coordination**

- Meetings were held with Fulton County on June 29<sup>th</sup>, 2005; September 30<sup>th</sup>, 2005; and February 6<sup>th</sup>, 2006. Representatives for the consultant USInfrastructure were present, as well as Sponsor representatives. Discussions were held regarding design parameters, and anticipated Right-Of-Way requirements. Draft Concept Plans, Profiles and Typical Sections were presented for discussion.
- Concept meeting date: Initial Concept Team Meeting was held on 05/17/06, with representatives from GDOT and the Sponsor. Comments from that meeting have been incorporated into this document.
- P. A. R. meetings, dates and results: None
- FEMA, USCG, and/or TVA: None
- Public involvement: Public Information Open House was held at Shakerag Elementary School on November 10<sup>th</sup>, 2005. Residents raised concerns with respect to landscaping loss, impact to community property, drainage concerns, prioritization of this project over the nearby intersections, and impact to speed and volume of traffic through the intersection. Several residents voiced the belief that less turn lanes should be required. Project representatives explained that landscaping losses and impacts to community property will be minimized and will be negotiated with property owners during right-of-way discussions; drainage issues will be addressed as part of the design process; that traffic analysis indicates that improvements to the intersection are warranted now, that matching federal funding is currently available for the project; and that traffic analysis indicates that traffic volumes will make the level of service through the intersection unacceptable soon if nothing is no improvements are made.
- Other coordination to date: Another current project in the area is the intersection improvement of Bethany Road at Providence Road. PI Number 0000531; Project Number: HPP-0000-00(531). USI is also the Design Consultant for this project, and Fulton County is the Sponsor. Utility questionnaires have been distributed to 20 utility owners. Twelve utilities have responded and one of these has facilities on the project.

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 5 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 4 Months.
- Time to complete the Section 404 Permit: N/A.
- Time to complete final construction plans: 7 Months.
- Time to complete to purchase right of way: 12 Months.

**Other alternates considered:**

**Roundabout Alternative:**

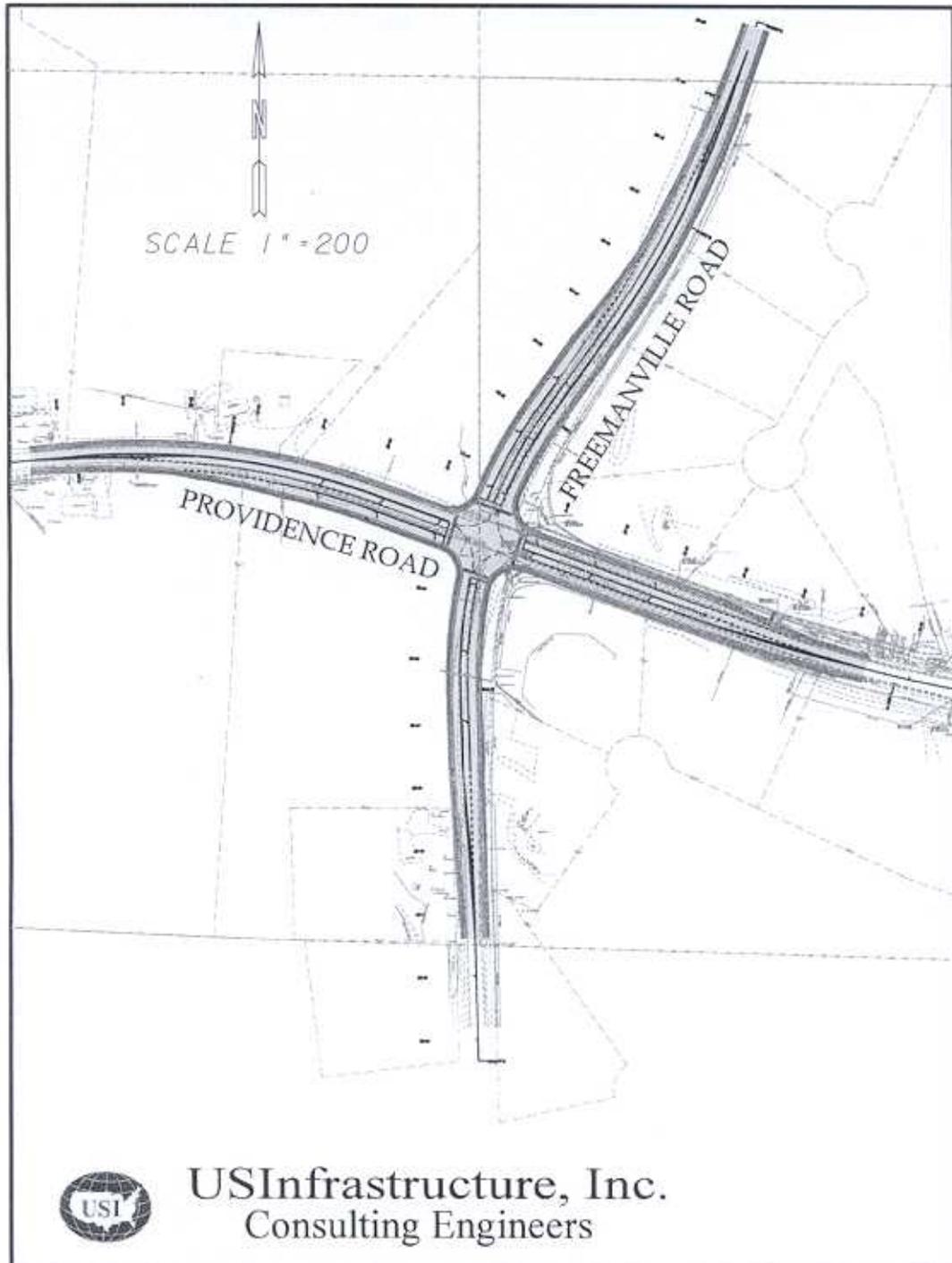
A single lane roundabout design was evaluated, and was found to meet Georgia Department of Transportation Method of Guidance (MOG) design requirements. However, if a 4.0% annual growth rate of traffic is considered, a single lane roundabout will experience failure (v/c ratio >0.85) during year 2013, and was therefore eliminated from consideration.

**No Build Alternate:**

The no-build alternate does not address the future operational needs of the intersection. The intersection will fail to meet Level of Service (LOS) criteria in 2006.

**Attachments:**

1. Concept Plan,
2. Concept Team Meeting Minutes
3. Cost Estimates:
  - a. Construction including E&C,
  - b. Right of Way, and
  - c. Utilities.
4. Typical sections,
5. Traffic analysis,
6. Location and Design Notice (On Minor Projects).



# Memo

**To:** Chris Kingsbury      FTC

**From:** Carson Spencer      USI *CS*

**cc:** Antonio Valenzuela      Fulton County      Chris Woods      GDOT  
Scott Lee      GDOT      Scott Zehngraff      GDOT  
Ken Werho      GDOT      Zanda Montgomery      GDOT  
Harry Graham      GDOT      Michael Coleman      GDOT  
Wayne Gault      USI      Carol Bowler      FTC

**Date:** 5/17/06

**Re:** Freemanville Road At Providence Road Intersection Improvements (T153) – Initial Concept Team Meeting Minutes: 5/17/06

Mr. Chris Woods opened the meeting by asking everyone to introduce themselves. He indicated that the format of the meeting would be discussion of the Concept Plan followed by a page-by-page review of the Concept Report. At Mr. Chris Kingsbury's direction, Mr. Carson Spencer then presented the Concept Plan. Discussion of the Plan and Report followed. A summary of the actions resulting from this review are documented below. These are actions for USInfrastructure, Inc. (USI) to take unless otherwise indicated:

Actions from the review of the Concept Plan:

- 1) Set back the stop bars, median noses, and crosswalks on all approaches to provide for two distinct wheelchair ramps on each return to assist the visually impaired in determining the direction of the crosswalks
- 2) Provide traffic diagram for peak hour turning movements
- 3) Revise vertical curve on Providence Road to obtain minimum k-value

Actions from the review of the Concept Report:

- 1) Cover: Change spacing and font size to provide adequate room for signatures
- 2) Cover: Show County Route Numbers
- 3) Location Map (Page 2): Remove 'Page 1' note
- 4) Location Map (Page 2): Show reduced scale version of Atlanta metro area with interstates in blowup box
- 5) Need and Purpose (Page 3): Include brief description of surrounding land use (e.g. residential, commercial, etc.)
- 6) Need and Purpose (Page 3): Remove reference to safety improvements
- 7) Description (Page 4): Remove design details
- 8) Description (Page 4): Remove reference to right-lane additions where appropriate
- 9) Page 4 Change TIP reference to 2006-2011
- 10) Traffic (Page 4): Change to 2009 through 2029
- 11) Right of Way (Page 5): Revise widths to reflect increments of 5'

- 12) Right of Way (Page 5): Adjust minimum width up to adequately cover cross sections
- 13) Design Exceptions (Page 6): Verify that project meets Horizontal Clearance requirements (i.e. will there be interference from the Oak Trees lining Providence Road?)
- 14) Scheduling (Page 7): Adjust 'Time to complete to purchase right of way' to 12 months
- 15) Cost Estimate (Page 8): Use 'Item Mean Index' to adjust HMA and Grading Complete costing
- 16) Cost Estimate (Page 11): Move \$40,000 from item 'XLT-LIG' to item '647-1000'
- 17) Typical (Page 12): Label right turn lane applicability by approach leg, or show additional typical(s)
- 18) Attachment: Provide an 8.5" by 11" .pdf attachment showing the Concept Plan

Mr. Scott Zehngraff asked if a roundabout cost estimate had been prepared. Mr. Spencer indicated that as this alternate failed all acceptable traffic scenarios, no such estimate had been prepared. Ms. Zanda Montgomery requested information on the invasive species present at the intersection, and Mr. Spencer committed to delivering that information. Mr. Woods noted the potential impact to 16 parcels, and asked if strip takes would be required. Mr. Spencer indicated that the takes and/or easement requirements would consist of strip takes/easements according to the present Concept Plan, and that it is likely that not all 16 parcels would be impacted.

Additional discussion centered on the lack of a westbound right turn lane from Providence Road onto Freemanville Road. Several GDOT representatives expressed concern with the fact that design year projections showed a heavy right turn lane demand that was not being provided a dedicated right turn lane, while the corresponding southbound left turning movement from Freemanville Road onto Providence Road was provided with a dedicated left turn lane. Objections were raised by GDOT staff over the extra-wide planting strips designed to accommodate existing trees and landscaping provided east of the intersection along both sides of Providence Road. Mr. Antonio Valenzuela explained that the County was attempting to meet the needs of its constituents and of the traveling public, while negotiating an acceptable project with affected homeowners and stakeholders, including a large adjacent community with an active homeowners' association. GDOT staff questioned whether the County had attempted to present the public with a plan alternate that included replanting of the landscaping. Mr. Valenzuela indicated that multiple plan alternatives had been reviewed and presented, including both signalized and roundabout alternates. Mr. Spencer pointed out that design year traffic requirements were being met for the intersection, and an acceptable Level of Service (LOS) was projected for the intersection. GDOT staff indicated a willingness to consider alternate lane arrangements, such as 11' wide through and right turn lanes, and the elimination of the painted median, if the westbound right turn lane from Providence Road onto Freemanville Road could be accommodated. Mr. Woods indicated that the project was unlikely to be approved by GDOT without the introduction of this right turn lane.

At the conclusion of these right turn lane demand discussions, the County agreed to internally review the feasibility of adding a westbound right turn lane from Providence Road onto Freemanville Road, along with compensating measures such as reducing lane widths and eliminating the median to minimize the impacts to adjacent properties.

Mr. Woods indicated that the County could reduce the length of the southbound left turn lane from Freemanville Road onto Providence Road by 300 feet if desired.

After the formal discussion had ended, Mr. Scott Lee questioned if Freemanville Road had been designated for bike lanes. Mr. Spencer indicated that he would investigate.



MEETING/CONFERENCE RECORD OF ATTENDEES

**Purpose:** Concept Meeting - Providence Rd at Bethany and Freemanville Rd, Fulton County

**Location:** District Seven Preconstruction Conference Room

**Date:** May 17, 2006 **Hour:** 1:30 PM **Moderator:** Chris Woods

<u>Name</u>	<u>Organization</u>	<u>Telephone</u>	<u>Email Address</u>
1. <del>Mike Lobbell</del>	<del>GDOT</del>	<del>404-463-4947</del>	<del>mike.lobdell@dot.state.ga.us</del>
✓ 2. SCOTT LEE	GDOT	" " "	SCOTT.LEE@DOT.STATE.GA.US
3. Wayne Gault	USI	770-640-6652	gaultw@usimg.com
✓ 4. Canon Spencer	USI	770-640-6652	spencerc@usimg.com
✓ 5. CHRIS KINGSBURY	MA/FC	7.203.5945	ckingsbury@maei.net
✓ 6. Ken Werno	DIT	4-635-8144	Ken.Werno@DOT.STATE.GA.US
✓ 7. Scott Zehngraff	DIT	4-635-8127	Scott.zehngraff@ " " " "
✓ 8. Zanda Montgomery	GDOT	4-463-4947	zanda.montgomery@dot...
✓ 9. Chris Woods	GDOT	4/463-4947	Chris.Woods@dot.state.ga.us
✓ 10. Harry Graham	GDOT	4/463-4961	harry.graham@dot.state.ga.us
✓ 11. Michael Coleman	GDOT	4-463-4947	mike.COLEMAN "
✓ 12. Antonio Valenzuela			
13.			
14.			
15.			
16.			
17.			
18.			

Project Concept Report page 13  
 Project Number: HPP-0000-00(526)  
 P. I. Number: 0000526  
 County: Fulton

**PRELIMINARY COST ESTIMATE**

PROJECT NUMBER : HPP-0000-00(526)

COUNTY: FULTON

DATE: JULY 2006

ESTIMATED LETTING DATE: 2008

PREPARED BY: USInfrastructure, Inc.

PROJECT LENGTH (MILES): 0.216(Providence),  
 0.246(Freemanville)

( ) PROGRAMMING PROCESS ( X ) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

<b>ESTIMATE SUMMARY</b>		
A. RIGHT-OF-WAY	\$	213,600
B. REIMBURSEMENT UTILITIES	\$	50,000
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$	0
2. GRADING AND DRAINAGE	\$	476,751
3. BASE AND PAVING	\$	965,500
4. LUMP ITEMS	\$	180,000
5. MISCELLANEOUS	\$	14,741
6. SPECIAL FEATURES	\$	0
SUBTOTAL CONSTRUCTION COST	\$	1,636,992
E. & C. (10%)	\$	163,699
INFLATION (5% PER YEAR)	\$	0
NUMBER OF YEARS: 0		
TOTAL CONSTRUCTION COST	\$	1,800,691
<b>GRAND TOTAL PROJECT COST</b>	<b>\$</b>	<b>2,064,291</b>

### Cost Estimate

Name: Freemantville Road @ Providence Road Intersection  
 PI\_No 0000526

Title: Freemantville Alt S Signalized Intersection  
 Category: 2. GRADING AND DRAINAGE

Item	Quantity	Unit	Unit Price	Description	Cost
162-1300	3.00	EA	\$2,000.00	EROSION CONTROL CHECK DAM, TP	\$6,000.00
163-0232	1.70	AC	\$500.00	TEMPORARY GRASSING	\$850.00
163-0240	52.00	TN	\$500.00	MULCH	\$26,000.00
163-0300	2.00	EA	\$1,100.00	CONSTRUCTION EXIT	\$2,200.00
163-0531	1.00	EA	\$7,625.00	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO	\$7,625.00
163-0550	22.00	EA	\$230.00	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	\$5,060.00
165-0010	2100.00	LF	\$1.50	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	\$3,150.00
165-0101	2.00	EA	\$400.00	MAINTENANCE OF CONSTRUCTION EXIT	\$800.00
167-1000	2.00	EA	\$2,000.00	WATER QUALITY MONITORING AND SAMPLING	\$4,000.00
167-1500	12.00	MO	\$800.00	WATER QUALITY INSPECTIONS	\$9,600.00
171-0010	4350.00	LF	\$2.00	TEMPORARY SILT FENCE, TYPE A	\$8,700.00
201-1500	1.00	LS	\$100,000.00	CLEARING & GRUBBING	\$100,000.00
210-0100	1.00	LS	\$112,000.00	GRADING COMPLETE	\$112,000.00
550-1180	1000.00	LF	\$35.00	STORM DRAIN PIPE, 18 IN, H 1-10	\$35,000.00
550-1240	1300.00	LF	\$40.00	STORM DRAIN PIPE, 24 IN, H 1-10	\$52,000.00
550-1360	840.00	LF	\$55.00	STORM DRAIN PIPE, 36 IN, H 1-10	\$46,200.00
550-4224	1.00	EA	\$500.00	FLARED END SECTION 24 IN, STORM DRAIN	\$500.00
550-4236	3.00	EA	\$850.00	FLARED END SECTION 36 IN, STORM DRAIN	\$2,550.00
668-1100	20.00	EA	\$2,000.00	CATCH BASIN, GP 1	\$40,000.00
668-2100	1.00	EA	\$3,000.00	DROP INLET, GP 1	\$3,000.00
668-5000	1.00	EA	\$1,500.00	JUNCTION BOX	\$1,500.00
700-6910	3.41	AC	\$900.00	PERMANENT GRASSING	\$3,069.00
700-7000	11.00	TN	\$60.00	AGRICULTURAL LIME	\$660.00

Tuesday, July 11, 2006

Item	Quantity	Unit	Unit Price	Description	Cost
700-7010	9.00	GL	\$20.00	LIQUID LIME	\$180.00
700-6000	4.00	TN	\$300.00	FERTILIZER MIXED GRADE	\$1,200.00
700-8100	171.00	LB	\$1.50	FERTILIZER NITROGEN CONTENT	\$256.50
708-1000	186.00	CY	\$25.00	PLANT TOPSOIL	\$4,650.00
<b>TOTAL:2. GRADING AND DRAINAGE</b>					<b>\$476,750.50</b>

Item	Quantity	Unit	Unit Price	Description	Cost
310-1101	7000.00	TN	\$20.00	GR AGGR BASE CRS. INCL MATL	\$140,000.00
318-3000	200.00	TN	\$20.00	AGGR SURF CRS	\$4,000.00
402-1812	100.00	TN	\$45.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LI	\$4,500.00
402-3121	1800.00	TN	\$155.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, IN	\$279,000.00
402-3131	900.00	TN	\$128.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, IN	\$115,200.00
402-3190	1400.00	TN	\$152.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, IN	\$212,800.00
441-0104	2800.00	SY	\$40.00	CONC SIDEWALK, 4 IN	\$112,000.00
441-6012	4900.00	LF	\$20.00	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	\$98,000.00
<b>TOTAL:3. BASE AND PAVING</b>					<b>\$965,500.00</b>

Item	Quantity	Unit	Unit Price	Description	Cost
150-1010	1.00	LS	\$40,000.00	TRAFFIC CONTROL	\$40,000.00
647-1000	1.00	LS	\$110,000.00	TRAFFIC SIGNAL INSTALLATION NO	\$110,000.00
CON-LAND	1.00	LS	\$30,000.00	LANDSCAPING (CONCEPT COST ESTIMATE)	\$30,000.00
<b>TOTAL:4. LUMP ITEMS</b>					<b>\$180,000.00</b>

Item	Quantity	Unit	Unit Price	Description	Cost
158-1000	1000.00	HR	\$0.80	TRAINING HOURS	\$800.00
634-1200	30.00	EA	\$100.00	RIGHT OF WAY MARKERS	\$3,000.00
636-1014	105.00	SF	\$15.00	HIGHWAY SIGNS, TP 1 MATL, REPL SHEETING, TP 1	\$1,575.00
636-2070	8.00	LF	\$8.00	GALV STEEL POSTS, TP 7	\$64.00

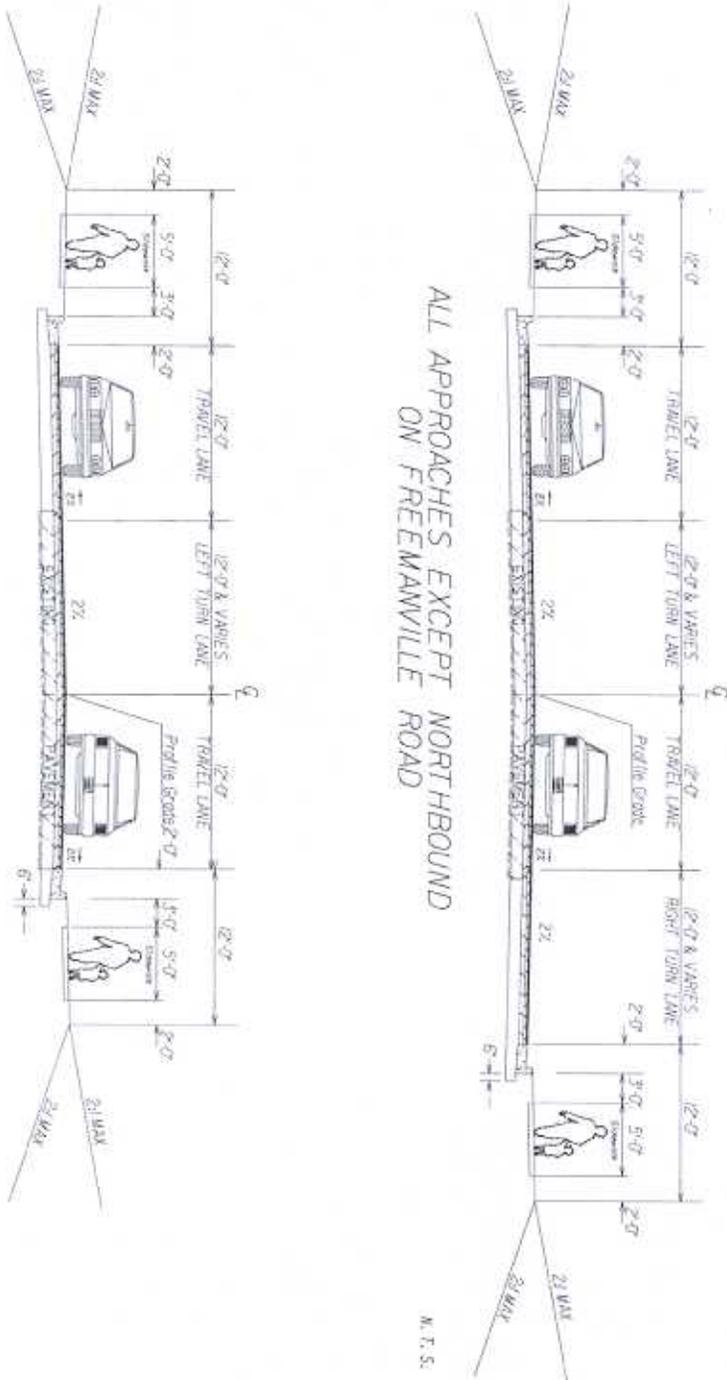
Tuesday, July 11, 2006

653-0130	24.00	EA	\$100.00	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	\$2,400.00
653-1502	8240.00	LF	\$0.30	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	\$2,472.00
653-2501	3100.00	LF	\$0.80	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	\$2,480.00
653-3501	1500.00	GLF	\$0.50	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	\$750.00
654-1001	200.00	EA	\$4.00	RAISED PVMT MARKERS TP 1	\$800.00
654-1003	100.00	EA	\$4.00	RAISED PVMT MARKERS TP 3	\$400.00
<b>TOTAL: 5 MISCELLANEOUS</b>					<b>\$14,741.00</b>

# TYPICAL SECTIONS

ALL APPROACHES EXCEPT NORTHBOUND  
 ON FREEMANVILLE ROAD

N.T.S.



NORTHBOUND ON FREEMANVILLE ROAD

N.T.S.

### Freemanville Road / Providence Road Intersection Analysis Existing/Future Conditions Level of Service Analysis

2009 no build

Unsignalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	6	15.0sec	B	42	13.3sec	B
		THRU	76			102		
		RT	40			18		
	SB	LT	123	35.7sec	E	26	13.2sec	B
		THRU	186			72		
		RT	61			82		
		<i>Total</i>						
Providence Road	WB	LT	55	27.8sec	D	9	34.5sec	D
		THRU	160			434		
		RT	124			62		
	EB	LT	76	201.5sec	F	51	14.4sec	B
		THRU	507			159		
		RT	62			34		
		<i>Total</i>						
<b>Intersection</b>				<b>104.6sec</b>	<b>F</b>		<b>23.3sec</b>	<b>C</b>

2014 no build

Unsignalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	7	19.0sec	C	51	16.5sec	C
		THRU	93			125		
		RT	49			22		
	SB	LT	149	97.4sec	F	31	16.6sec	C
		THRU	226			88		
		RT	74			100		
		<i>Total</i>						
Providence Road	WB	LT	67	66.8sec	F	11	123.2sec	F
		THRU	194			528		
		RT	151			75		
	EB	LT	93	435.1sec	F	62	20.2sec	C
		THRU	617			193		
		RT	75			41		
		<i>Total</i>						
<b>Intersection</b>				<b>231.6sec</b>	<b>F</b>		<b>66.7sec</b>	<b>F</b>

2019 no build

Unsignalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	8	22.0sec	C	62	23.3sec	C
		THRU	113			152		
		RT	60			27		
	SB	LT	181	204.6sec	F	38	24.4sec	C
		THRU	275			107		
		RT	90			122		
		<i>Total</i>						
Providence Road	WB	LT	82	149.4sec	F	13	338.8sec	F
		THRU	236			643		
		RT	183			92		
	EB	LT	113	655.0sec	F	75	38.8sec	E
		THRU	751			235		
		RT	92			50		
		<i>Total</i>						
<b>Intersection</b>				<b>373.9sec</b>	<b>F</b>		<b>172.9sec</b>	<b>F</b>

2024 no build

Unsignalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	10	27.0sec	D	75	41.8sec	E
		THRU	138			184		
		RT	73			32		
	SB	LT	221	357.5sec	F	47	48.3sec	E
		THRU	334			130		
		RT	109			148		
		<i>Total</i>						
Providence Road	WB	LT	99	283.8sec	F	16	655.0sec	F
		THRU	288			782		
		RT	223			111		
	EB	LT	138	934.3sec	F	91	123.9sec	F
		THRU	914			286		
		RT	111			61		
		<i>Total</i>						
<b>Intersection</b>				<b>565.5sec</b>	<b>F</b>		<b>345.1sec</b>	<b>F</b>

2029 no build

Unsignalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	12	37.1sec	E	91	84.8sec	F
		THRU	168			224		
		RT	89			39		
	SB	LT	269	562.8sec	F	57	111.7sec	F
		THRU	407			158		
		RT	133			180		
		<i>Total</i>						
Providence Road	WB	LT	121	466.8sec	F	20	1009.4sec	F
		THRU	350			951		
		RT	271			136		
	EB	LT	168	1297.5sec	F	111	279.4sec	F
		THRU	1112			348		
		RT	136			74		
		<i>Total</i>						
<b>Intersection</b>				<b>818.6sec</b>	<b>F</b>		<b>561.1sec</b>	<b>F</b>

2009 with build

Signalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	6	13.5sec	B	42	12.9sec	B
		THRU	76			102		
		RT	40			18		
	SB	LT	123	11.2sec	B	26	6.4sec	A
		THRU	186			72		
		RT	61			82		
		<i>Total</i>						
Providence Road	WB	LT	55	8.0sec	A	9	16.2sec	B
		THRU	160			434		
		RT	124			62		
	EB	LT	76	28.0sec	C	51	14.2sec	B
		THRU	507			159		
		RT	62			34		
		<i>Total</i>						
<b>Intersection</b>				<b>18.0sec</b>	<b>B</b>		<b>13.6sec</b>	<b>B</b>

2014 with build

Signalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	7	17.1sec	B	51	14.0sec	B
		THRU	93			125		
		RT	49			22		
	SB	LT	149	14.8sec	B	31	7.3sec	A
		THRU	226			88		
		RT	74			100		
		<i>Total</i>						
Providence Road	WB	LT	67	7.5sec	A	11	17.2sec	B
		THRU	194			528		
		RT	151			75		
	EB	LT	93	32.9sec	C	62	13.5sec	B
		THRU	617			193		
		RT	75			41		
		<i>Total</i>						
<b>Intersection</b>				<b>21.2sec</b>	<b>C</b>		<b>14.2sec</b>	<b>B</b>

2019 with build

Signalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	8	26.4sec	C	62	16.0sec	B
		THRU	113			152		
		RT	60			27		
	SB	LT	181	24.1sec	C	38	8.1sec	A
		THRU	275			107		
		RT	90			122		
		<i>Total</i>						
Providence Road	WB	LT	82	7.6sec	A	13	20.8sec	C
		THRU	236			643		
		RT	183			92		
	EB	LT	113	26.9sec	C	75	14.9sec	B
		THRU	751			235		
		RT	92			50		
		<i>Total</i>						
<b>Intersection</b>				<b>21.7sec</b>	<b>C</b>		<b>16.7sec</b>	<b>B</b>

2024 with build

Signalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	10	38.8sec	D	75	23.4sec	C
		THRU	138			184		
		RT	73			32		
	SB	LT	221	44.2sec	D	47	11.7sec	B
		THRU	334			130		
		RT	109			148		
		<i>Total</i>						
Providence Road	WB	LT	99	9.9sec	A	16	21.1sec	C
		THRU	288			782		
		RT	223			111		
	EB	LT	138	47.0sec	D	91	17.6sec	B
		THRU	914			286		
		RT	111			61		
		<i>Total</i>						
<b>Intersection</b>				<b>37.1sec</b>	<b>D</b>		<b>19.1sec</b>	<b>B</b>

2029 with build

Signalized			AM Peak Hour			PM Peak Hour		
Roadway	Approach Direction	Turn Movement	Volume	Control Delay	LOS	Volume	Control Delay	LOS
Freemanville Road	NB	LT	12	98.4sec	F	91	44.8sec	D
		THRU	168			224		
		RT	89			39		
	SB	LT	269	73.4sec	E	57	21.0sec	C
		THRU	407			158		
		RT	133			180		
		<i>Total</i>						
Providence Road	WB	LT	121	26.9sec	C	20	19.8sec	B
		THRU	350			951		
		RT	271			136		
	EB	LT	168	77.8sec	E	111	29.6sec	C
		THRU	1112			348		
		RT	136			74		
		<i>Total</i>						
<b>Intersection</b>				<b>66.7sec</b>	<b>E</b>		<b>25.9sec</b>	<b>C</b>