

# MANATEE COUNTY GOVERNMENT

## AGENDA MEMORANDUM

<b>SUBJECT</b>	Multi-way Stop Installation Riverview Blvd. @ 47 <sup>th</sup> St. N.W.	<b>TYPE AGENDA ITEM</b>	Consent
<b>DATE REQUESTED</b>	November 8, 2011	<b>DATE SUBMITTED/REVISED</b>	October 26, 2011
<b>BRIEFINGS? Who?</b>	None	<b>CONSEQUENCES IF DEFERRED</b>	None
<b>DEPARTMENT/DIVISION</b>	Public Works Dept./Traffic Engineering Division	<i>SM</i> <b>AUTHORIZED BY TITLE</b>	Ron Schulhofer, Public Works Director
<b>CONTACT PERSON TELEPHONE/EXTENSION</b>	Jeff Bishop, Ext. 7815	<i>JK</i> <b>PRESENTER/TITLE TELEPHONE/EXTENSION</b>	Sage Kamiya, P.E., Traffic Engrg. Div. Mgr., Ext. 7813
<b>ADMINISTRATIVE APPROVAL</b>			
<b>ACTION DESIRED</b> INDICATE WHETHER 1) REPORT; 2) DISCUSSION; 3) FORM OF MOTION; OR 4) OTHER ACTION REQUIRED			
Authorization to Install a Multi-way Stop on Riverview Boulevard at 47 <sup>th</sup> Street N.W.			
<b>ENABLING/REGULATING AUTHORITY</b> Federal/State law(s), administrative ruling(s), Manatee County Comp Plan/Land Development Code, ordinances, resolutions, policy			
Florida Statutes Chapter 316.006 – Jurisdiction Florida Statutes Chapter 316.008(f) – Powers of Local Authorities			
<b>BACKGROUND/DISCUSSION</b>			
See Page 2			
<b>COUNTY ATTORNEY REVIEW</b>			
			<b>APPROVED IN OPEN SESSION</b>
Check appropriate box			NOV 08 2011
<input type="checkbox"/>	<b>REVIEWED</b> Written Comments: <input type="checkbox"/> Attached <input type="checkbox"/> Available from Attorney (Attorney's initials: _____)		<b>BOARD OF COUNTY COMMISSIONERS MANATEE COUNTY, FLORIDA</b>
<input checked="" type="checkbox"/>	<b>NOT REVIEWED (No apparent legal issues.)</b>		
<input type="checkbox"/>	<b>NOT REVIEWED (Utilizes exact form or procedure previously approved by CAO.)</b>		
<input type="checkbox"/>	<b>OTHER</b>		
<b>ATTACHMENTS: (List in order as attached)</b>		<b>INSTRUCTIONS TO BOARD RECORDS:</b>	
Traffic Study (Warrant Summary) Location Map		Request a stamped copy of the agenda memo be sent to Adele Quinn, Public Works, adele.quinn@mymanatee.org <i>11-9-11 V9</i>	
<b>COST:</b>	\$500.00 – Installation Cost	<b>SOURCE (ACCT # &amp; NAME):</b>	1010020707 - Traffic Operations
<b>COMMENTS:</b>	N/A	<b>AMT./FREQ. OF RECURRING COSTS: (ATTACH FISCAL IMPACT STATEMENT)</b>	\$63/Yr. – Maintenance & Repairs

**BACKGROUND/DISCUSSION (Continued):**

- On March 23, 2011, a request was received to install a multi-way stop on Riverview Boulevard at 47<sup>th</sup> Street N.W. to reduce speeding and to prevent crashes. (CAC 11030285)
- State law requires the installation of all traffic control devices, including STOP signs to meet State standards adopted by the Florida Department of Transportation. The Florida Greenbook and The Manual on Uniform Traffic Control Devices (MUTCD), published by the U.S. Department of Transportation, are the national standards for traffic control devices, and have been adopted by the State and also the County's Land Development Code (LDC).
- The Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Commonly known as the "Florida Greenbook") indicates that stop signs are inappropriate traffic calming treatments. Specifically the Florida Greenbook states, "When used for traffic calming, stop signs often do one or more of the following: Increase midblock speeds along the street because of drivers trying to make up for lost time; Increase noise because of quick accelerations and decelerations; Increase pollution; Reduce drivers' expectation of a uniform flow; Relocate the problem; Cause disrespect for stop signs by drivers and bicyclists. For these reasons, stop signs should not be used for traffic calming."
- In accordance with MUTCD standards, a traffic investigation and multi-way stop study was conducted. The results of the multi-way stop study indicated the traffic volumes, crash history, and delay analysis do not meet MUTCD criteria for a multi-way stop. However, during a field review, staff noticed a Verizon communication cabinet on the southwest corner of the intersection that could reduce driver visibility. Due to this possible visibility restriction, lower speeds and volumes at this intersection, and to meet driver and community expectations, staff does not object to the installation of a multi-way stop.
- The cost to install a multi-way stop would be approximately \$250.00/sign, for a total cost of \$500.

**RECOMMENDATION:** Staff does not object to the installation of a multi-way stop at Riverview Boulevard and 47<sup>th</sup> Street N.W.

## Multi-Way Stop Warrant Report

### Major Street Approaches

**Eastbound: Riverview Blvd**  
 Total Approach Volume: 1,836  
 Approach Speed: 35

**Westbound: Riverview Blvd**  
 Total Approach Volume: 1,573  
 Approach Speed: 35

### Minor Street Approaches

**Northbound: 47 St. NW**  
 Total Approach Volume: 721

### Warrant Summary

- Criteria A - Interim Measure** ..... Not Evaluated  
 If traffic signals are justified, stop signs can be installed as an interim measure.
- Criteria B - Crash Experience** ..... **Not Satisfied**  
 Number of crashes (0) is less than the minimum required (5).
- Criteria C - Minimum Volumes and Delays** ..... **Not Satisfied**  
 Average Delay Per Vehicle (5) is less than minimum required (30).  
 Required volumes reached for 0 hours, 8 are needed
- Criteria D - 80% of Volumes, Delays, and Crashes** ..... **Not Satisfied**  
 Average Delay Per Vehicle (5) is less than minimum required (30).  
 Number of crashes (0) is less than the minimum required (4).  
 Required volumes reached for 0 hours, 8 are needed

### Analysis of 8-Hour Volume Warrants:

Time	Major		Crit C			Crit D		
	Total	Minor Total	Major	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00 - 01:00	3	2	300-No	200-No	No	240-No	160-No	No
01:00 - 02:00	4	1	300-No	200-No	No	240-No	160-No	No
02:00 - 03:00	3	3	300-No	200-No	No	240-No	160-No	No
03:00 - 04:00	4	0	300-No	200-No	No	240-No	160-No	No
04:00 - 05:00	3	0	300-No	200-No	No	240-No	160-No	No
05:00 - 06:00	10	0	300-No	200-No	No	240-No	160-No	No
06:00 - 07:00	52	8	300-No	200-No	No	240-No	160-No	No
07:00 - 08:00	342	42	300-Yes	200-No	Major	240-Yes	160-No	Major
08:00 - 09:00	250	45	300-No	200-No	No	240-Yes	160-No	Major
09:00 - 10:00	162	42	300-No	200-No	No	240-No	160-No	No
10:00 - 11:00	117	29	300-No	200-No	No	240-No	160-No	No
11:00 - 12:00	129	40	300-No	200-No	No	240-No	160-No	No
12:00 - 13:00	153	38	300-No	200-No	No	240-No	160-No	No
13:00 - 14:00	153	45	300-No	200-No	No	240-No	160-No	No
14:00 - 15:00	203	69	300-No	200-No	No	240-No	160-No	No
15:00 - 16:00	194	81	300-No	200-No	No	240-No	160-No	No
16:00 - 17:00	201	68	300-No	200-No	No	240-No	160-No	No
17:00 - 18:00	408	74	300-Yes	200-No	Major	240-Yes	160-No	Major
18:00 - 19:00	404	44	300-Yes	200-No	Major	240-Yes	160-No	Major
19:00 - 20:00	253	28	300-No	200-No	No	240-Yes	160-No	Major
20:00 - 21:00	120	24	300-No	200-No	No	240-No	160-No	No
21:00 - 22:00	100	20	300-No	200-No	No	240-No	160-No	No
22:00 - 23:00	66	14	300-No	200-No	No	240-No	160-No	No
23:00 - 00:00	75	4	300-No	200-No	No	240-No	160-No	No



Location: **Riverview Blvd**  
 @  
**47th St. N.W.**  
 Bradenton, Florida  
 Aerial photo taken 2009

Subject: Location Map	Dwg. No.
Designed by	Date: 10/11/2011
Drawn by: D Fawcett	Checked by
Scale: 1:100	

**MANATEE COUNTY**  
**GOVERNMENT**  
 Public Works Department  
 Traffic Engineering Division  
 Bradenton, FL 34207  
 2791 47th Street SE  
 Bradenton, FL 34207  
 (813) 748-0000



From: **Vicki Jarratt**

Sent: **Wednesday, November 09, 2011 9:04 AM**

To: **'Adele.quinn@mymanatee.org'**

Subject: **Multi-way Stop - Riverview Blvd @ 47th Street NW**

Attachments: **BC20111108DOC032.PDF**

Attached is the Multi-way Stop - Riverview Blvd @ 47th Street NW approved by the BCC on 11/8/11.

Best regards,

Vicki Jarratt

Board Records

For R.B. "Chips" Shore

Manatee County Clerk of Circuit Court & Comptroller

[www.ManateeClerk.com](http://www.ManateeClerk.com)

[vicki.jarratt@manateeclerk.com](mailto:vicki.jarratt@manateeclerk.com)

749-1800 Ext. 4185

"Pride in Service with a Vision to the Future"