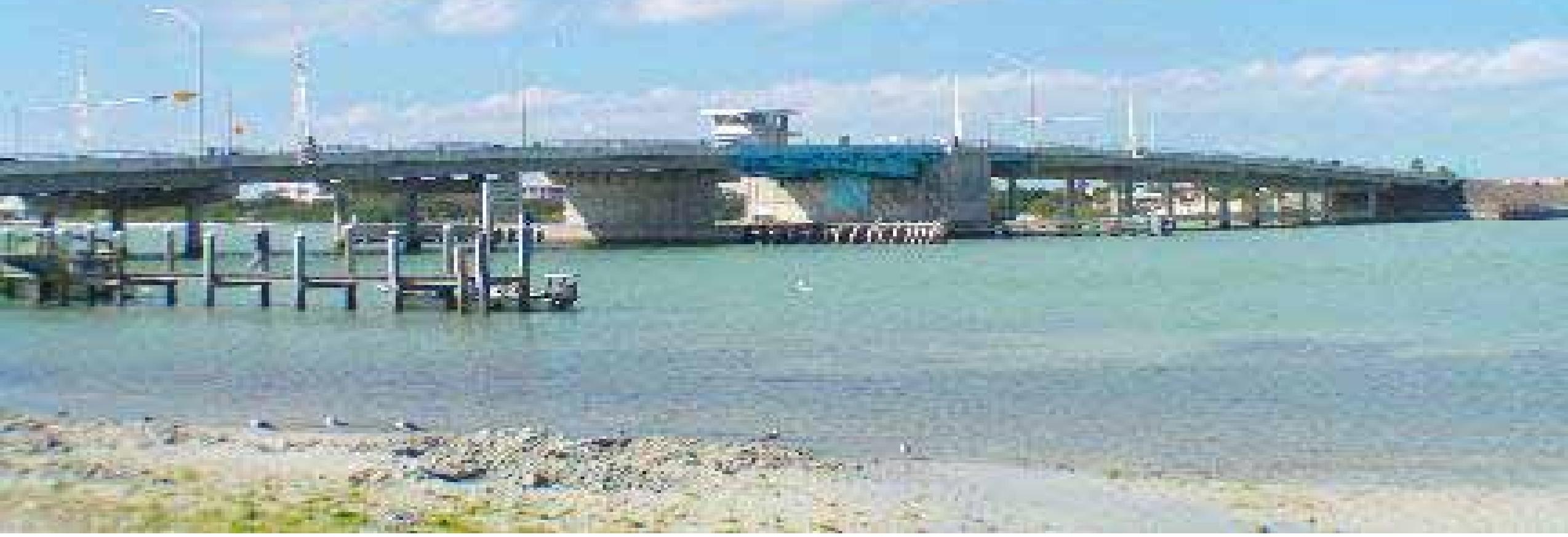


# New Pass Bridge Longboat Key, Florida



Old New Pass Bridge –  
Put in service March 1929



# New New Pass Bridge

- Put in service in 1986
- Major work done – 1993
- Design – Bascule
- Length – 970 feet
- 02/2012 inspection results
  - Ø Deck condition – Good (7 of 9)
  - Ø Superstructure condition – Good (7 of 9)
  - Ø Substructure condition – Good (7 of 9)
  - Ø Sufficiency – 90.5 (of 100)
- Major work scheduled to begin April 2016 includes generator replacement, change fuel from natural gas to diesel, and total rewiring. Only shoulder closures expected with no/little impact of traffic flow.



# New Pass Bridge Opening Schedule

**Excerpt from the U. S. Coast Pilot** - All drawbridge regs are in Chapter 2, Section 117 (updated 24 May 2015)

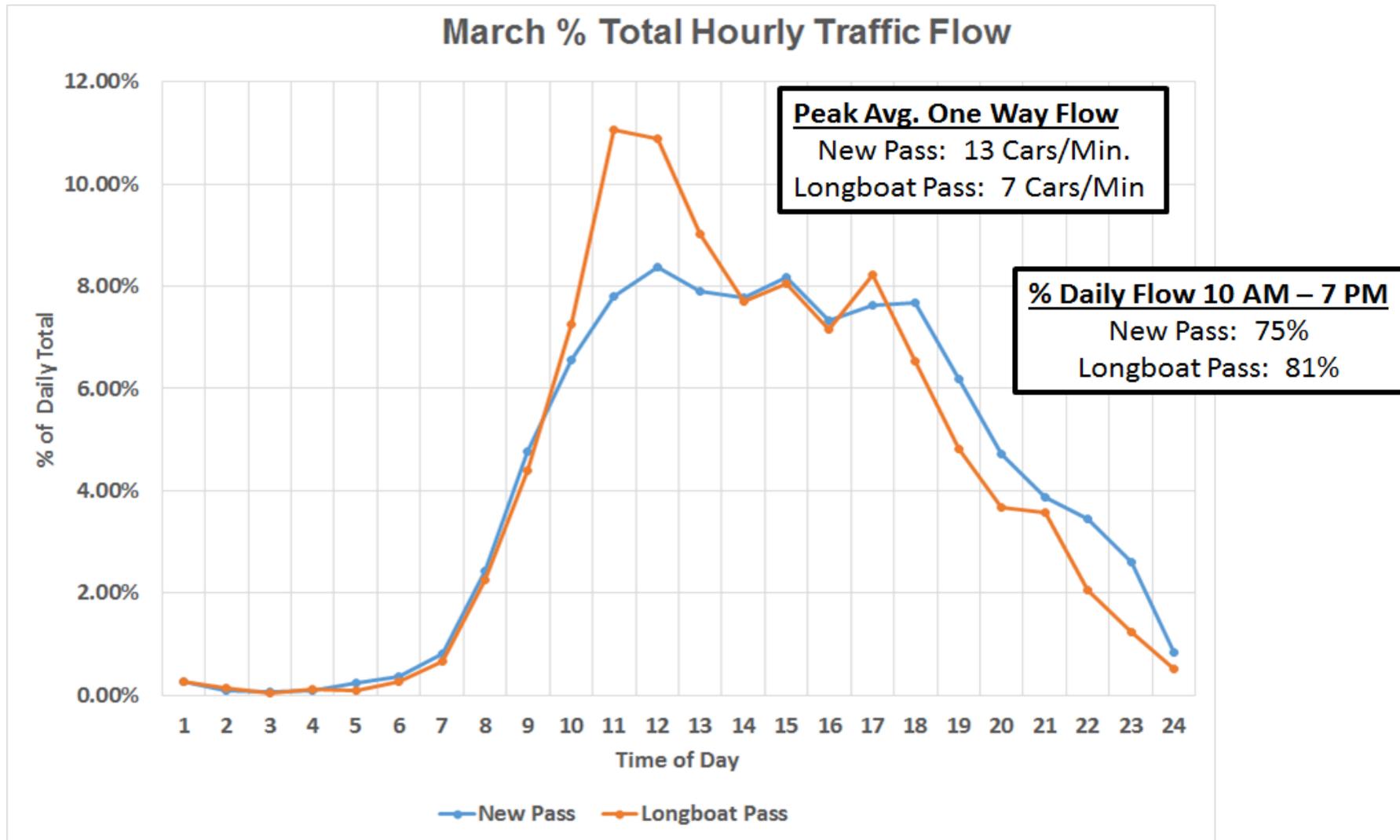
## **“§117.311 New Pass.**

(1574) The drawspan for the State Road 789 Drawbridge, mile 0.05, at Sarasota, need only open on the hour twenty minutes past the hour, and forty minutes past the hour from 7 a.m. to 6 p.m. From 6 p.m. to 7 a.m., the drawspan must open on signal if at least 3 hours notice is given to the drawtender. Public vessels of the United States and tugs with tows must be passed at anytime.”

The Longboat Pass bridge has no opening schedule. It opens on demand upon proper signal at any time.

These schedules of the two “Longboat” bridges were opposite until 2001 when they were swapped due to boat traffic volume shifting north to the deeper Longboat Pass to avoid significant shoaling in New Pass.

# March 2015 traffic flow – based on 20K cars per day (New Pass) – total in both directions\*



\* Combination of FDOT traffic count and LBK law enforcement camera

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**REPORT OF DRAWBRIDGE OPENINGS**

850-010-34  
 MAINTENANCE  
 01/95

BRIDGE NUMBER 170158 SECTION NUMBER 17030  
 REPORT FOR THE MONTH OF MARCH 20 2015  
 NAME OF BRIDGE NEW PASS  
 LOCATION SR-789

PAGE 7

SECTION NO.  
 COUNTY NAME

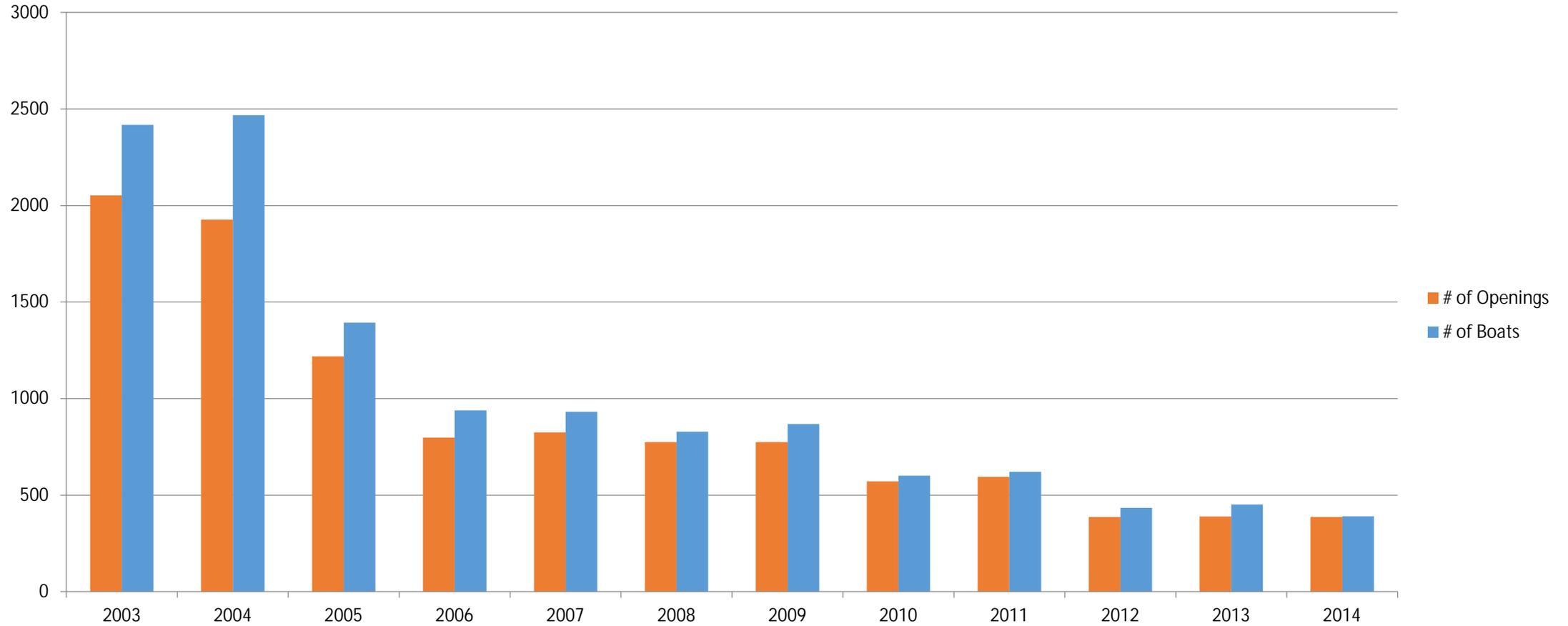
DAY OF WEEK	DATE	DRAW OPENING NUMBER	TIME GATES DROP AM OR PM	TIME GATES OPEN AM OR PM	DIRECTION		CONDITION OF WEATHER & RIVER	TYPE OF VESSEL PASSING THROUGH	NAME OR NUMBER OF VESSEL	NAME OF TENDER IN CHARGE OF DRAW
					EAST NORTH	WEST SOUTH				
SUN	3/1	1	2 <sup>42</sup> PM	2 <sup>45</sup> PM		✓	PC/CALM	SAIL	LIONESSE	VERMORON
MON	3/2	2	1 <sup>00</sup> PM	1 <sup>07</sup> PM		✓	PC/CALM	SAIL	DULCINEA	VERMORON
TUE	3/3	3	5 <sup>20</sup> P	5 <sup>30</sup> P		✓	PC/CALM	Power	RODANN	SUNNIK
TUE	3/3	4	6 <sup>00</sup> P	6 <sup>07</sup> P	✓		PC/CALM	Power	RODANN	SUNNIK
THU	3/5	5	3:000	3:06 P		✓	PC calm	Sail	Without Question	Reynolds
THU	3/5	6	5:20P	5:26	✓		calm	Sail	Without Question	Reynolds
SAT	3/7	7	10 <sup>20</sup> AM	10 <sup>26</sup> AM		✓	PS/C	S	SUN BUM	EARLY
SAT	3/7	8	7:17P	7:23P	✓		DARK	Sail	Sun Bum	Reynolds
TUES	3/10	9	3 <sup>20</sup> P	3 <sup>27</sup> P	✓		PC/CALM	TRI	REN AWAY	SUNNIK
THURS	3/12	10	12 <sup>00</sup> PM	12 <sup>03</sup> PM		✓	PC/CALM	SAIL	DULCINEA	VERMORON
SAT	3/14	11	2:20PM	2:27m		✓	PC calm	Power	Annemie Girl	Reynolds
SAT	3/14	12	4:40P	4:46P	✓		PC calm	Power	Annemie Girl	Reynolds
SUN	3/15	13	11 <sup>20</sup> AM	11 <sup>27</sup> AM		✓	CP/CALM	SAIL	ELUTHERA	VERMORON
SUN	3/15	14	1:20 PM	1:26 PM	✓		CP/CALM	SAIL	ELUTHERA	VERMORON
SUN	3/15	15	3:40P	3:46P		✓	calm	Sail	Aqua Hut	Reynolds
SUN	3/15	16	5:20P	5:26P	✓		calm	Sail	FL-557ES	Reynolds
MON	3/16	17	4:55P	4:59P	---		TEST OPENING	---	---	Reynolds/Keely
MON	3/16	18	5:07P	5:15P	---		TEST OPENING	---	---	Reynolds/Keely
TUE	3/17	19	8 <sup>00</sup> AM	8 <sup>10</sup> AM	---		TEST OPENING	---	---	VERMORON

19

16

# New Pass Bridge Boat Traffic and Opening Data

Source = FDOT



			Sun. Jan. 4, 2015	Mon. Jan. 5, 2015	Tues. Jan. 6, 2015	Wed. Jan. 7, 2015	Thurs. Jan. 8, 2015	Fri. Jan. 9, 2015	Sat. Jan. 10, 2015	Week Total 1/4- 10	Week Total Discretionary
Mil Time	Time	Rainfall South (in)	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
0	12									0	0
1	1									0	0
2	2									0	0
3	3									0	0
4	4									0	0
5	5									0	0
6	6									0	0
7	7									0	0
8	8					1	Training			1	1
9	9					1	Training	1	Maint.	2	2
10	10					1	Training	1	Maint	2	2
11	11		1	1	Maint	1	Training			3	2
12	12					1	Training	1		2	1
13	1					2	Training	1	Training	3	3
14	2									0	0
15	3				1	Maint			1	2	1
16	4									0	0
17	5							1	Test	1	1
18	6								1	1	0
19	7									0	0
20	8									0	0
21	9									0	0
22	10			1						1	0
23	11									0	0
		Total	1	2	1	7	1	4	2	18	
		Total Demand	1	1	0	0	0	1	2	5	
		Total Discretionary	0	1	1	7	1	3	0		13

			Sun. Jan. 11, 2015	Mon. Jan. 12, 2015	Tues. Jan. 13, 2015		Wed. Jan. 14, 2015		Thurs. Jan. 15, 2015		Fri. Jan. 16, 2015		Sat. Jan. 17, 2015		Week Total 1/11- 17	Week Total Discretionary
Mil Time	Time	Rainfall South (in)	0.00	0.00	0.05		0.00		0.00		0.00		0.00			
0	12														0	0
1	1														0	0
2	2														0	0
3	3														0	0
4	4														0	0
5	5														0	0
6	6														0	0
7	7														0	0
8	8						1	Maint.	1	Maint.	1	Maint.			3	3
9	9			2	Test	1	Maint.								3	3
10	10														0	0
11	11			1	Maint.										1	1
12	12		1				1	Maint.			1	Maint.			3	2
13	1		1				2	Maint.					1		4	2
14	2														0	0
15	3		1			1	Maint.								2	1
16	4			1	Maint.		1	Maint.	1	Maint.	1	Maint.	1		5	4
17	5		1												1	0
18	6														0	0
19	7														0	0
20	8														0	0
21	9														0	0
22	10														0	0
23	11														0	0
		Total	4	4	2		5		2		3		2		22	
		Total Demand	4	0	0		0		0		0		2		6	
		Total Discretionary	0	4	2		5		2		3		0			16

			Sun. March 15, 2015	Mon. March 16, 2015	Tues. March 17, 2015	Wed. March 18, 2015	Thurs. March 19, 2015	Fri. March 20, 2015	Sat. March 21, 2015	Week Total 3/15-21	Discretionary 3/15-21
Mil Time	Time	Rainfall South (in)	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
0	12										
1	1										
2	2										
3	3										
4	4										
5	5										
6	6										
7	7							1		1	
8	8				1	Test		1	Maint.	2	2
9	9										
10	10				1	Maint.				1	1
11	11		1					1		3	
12	12						1	Maint.		1	1
13	1		1		1	Maint.			1	3	1
14	2										
15	3		1							1	
16	4			1	Test					1	1
17	5		1	1	Test	1	Maint.		1	4	2
18	6							1		2	
19	7										
20	8										
21	9										
22	10										
23	11										
		Total	4	2	4	1	1	3	4	19	
		Total Demand	4	0	0	0	1	2	4	11	
		Total Discretionary	0	2	4	1		1	0		8

# Familiarization Visit - 19 August 2015

## Attendees

- **Town of Longboat Key:**
  - Lynn Larson - LBK Commissioner
  - Dave Bullock - Town Manager
  - Juan Florensa – Director, LBK Public Works
  - Pete Cumming - LBK Chief of Police
  - Steve Branham – Rear Admiral, USCG (retired)
- **Florida Department of Transportation – District 1**
  - Jim Jacobsen, P.E. – Structures Maintenance Engineer
  - Robin Stublen – Communications Specialist
  - Marshall Hampton, C.B.I., P.E. – Engineering Section Manager
  - Bridge tender on duty

# Familiarization Visit - 19 August 2015

- Productive, ongoing dialog with Jim Jacobsen and USCG for several months. Have asked Jim a list of questions regarding what constitutes “maintenance, testing, and training” and how those activities are scheduled.
- Bridge operation and maintenance is done under contract.
- Operators require initial and recurring training.
- With any system like this, particularly given its age and the environment it operates in, there will be a need to maintain or repair (many times on short notice) and do pre- and post-repair testing.
- Have asked him what can be done to shorten and/or reduce the number of, or schedule those types of openings during other-than peak traffic times – discussing options.



**End of Agenda Item**