

<b>IH 39: STH 29 E TO STH 34/CTH C (MARATHON COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: BUS 51 - STH 29</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH								
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	109	0.0	56	0.0	1500	109	0	56	0.43	0	66.2	55.2	45.0	28.5	28.5
1-2 AM	63	0.0	32	0.0	1500	63	0	32	0.43	0	66.3	55.3	45.3	29.1	29.1
2-3 AM	61	0.0	31	0.0	1500	61	0	31	0.43	0	66.3	55.3	45.3	29.1	29.1
3-4 AM	107	0.0	55	0.0	1500	107	0	55	0.43	0	66.2	55.2	45.1	28.5	28.5
4-5 AM	175	0.0	90	0.0	1500	175	0	90	0.44	0	66.1	55.0	44.8	27.7	27.7
5-6 AM	443	0.0	226	0.0	OFF	443	0	226	0.00	0	65.6	65.6	65.6	24.5	24.5
6-7 AM	973	0.0	496	0.0	OFF	973	0	496	0.00	0	64.6	64.6	64.6	18.6	18.6
7-8 AM	1052	0.0	537	0.0	OFF	1052	0	537	0.00	0	64.4	64.4	64.4	17.8	17.8
8-9 AM	931	0.0	475	0.0	OFF	931	0	475	0.00	0	64.6	64.6	64.6	18.9	18.9
9-10 AM	950	0.0	485	0.0	OFF	950	0	485	0.00	0	64.6	64.6	64.6	18.8	18.8
10-11 AM	1069	0.0	546	0.0	OFF	1069	0	546	0.00	0	64.4	64.4	64.4	17.7	17.7
11A-NOON	1153	0.0	589	0.0	OFF	1153	0	589	0.00	0	64.2	64.2	64.2	16.9	16.9
NOON-1PM	1269	0.0	647	0.0	OFF	1269	0	647	0.00	0	64.0	64.0	64.0	15.8	15.8
1-2 PM	1291	0.0	659	0.0	OFF	1291	0	659	0.00	0	64.0	64.0	64.0	15.6	15.6
2-3 PM	1487	0.0	760	0.0	OFF	1487	0	760	0.00	0	63.6	63.6	63.6	13.8	13.8
3-4 PM	1691	0.0	864	0.0	OFF	1691	0	864+	0.00	0	63.2	63.2	63.2	12.2	12.2
4-5 PM	1802	0.0	920	0.0	OFF	1802	0	920+	0.00	0	63.0	63.0	63.0	11.4	11.4
5-6 PM	1590	0.0	812	0.0	OFF	1590	0	812+	0.00	0	63.4	63.4	63.4	13.0	13.0
6-7 PM	1118	0.0	571	0.0	OFF	1118	0	571	0.00	0	64.3	64.3	64.3	17.2	17.2
7-8 PM	815	0.0	416	0.0	1500	815	0	416	0.50	0	64.9	52.9	42.4	20.1	20.1
8-9 PM	623	0.0	318	0.0	1500	623	0	318	0.48	0	65.2	53.5	43.0	22.4	22.4
9-10 PM	485	0.0	247	0.0	1500	485	0	247	0.47	0	65.5	54.0	43.6	24.0	24.0
10-11 PM	351	0.0	179	0.0	1500	351	0	179	0.46	0	65.7	54.4	44.1	25.6	25.6
11PM-MID	233	0.0	118	0.0	1500	233	0	118	0.45	0	66.0	54.8	44.5	27.0	27.0

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0076
MAIN ROUTE WITH WORKS	0.0074
DIVERSION	0.0583

PIA: Personal Injury Accidents

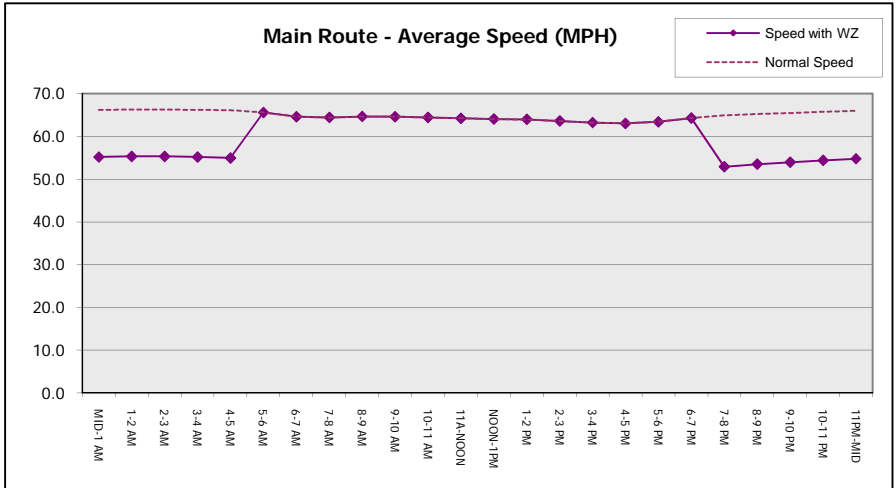
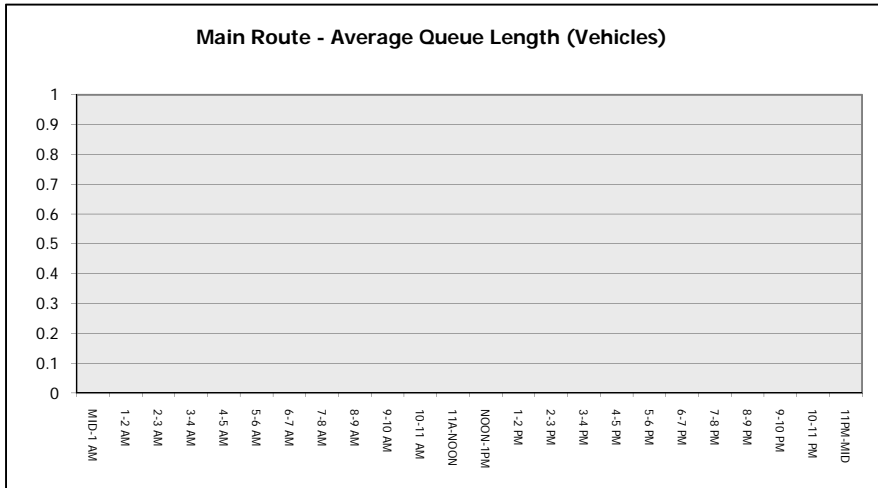
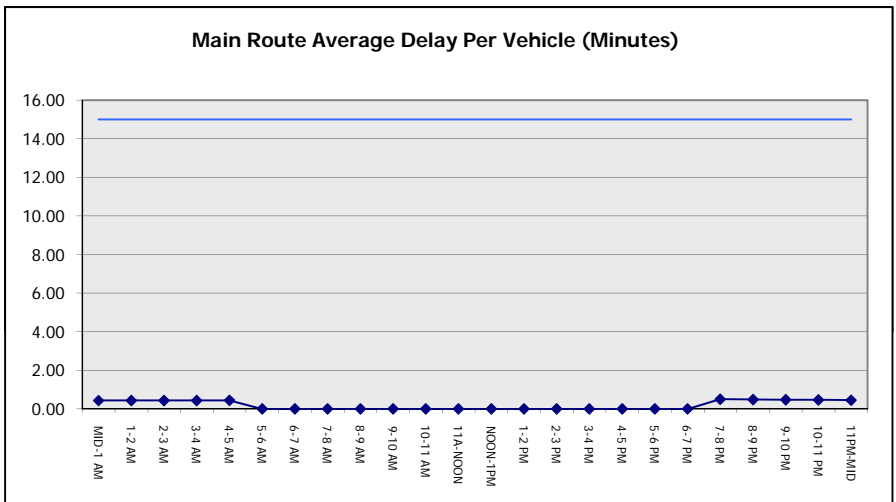
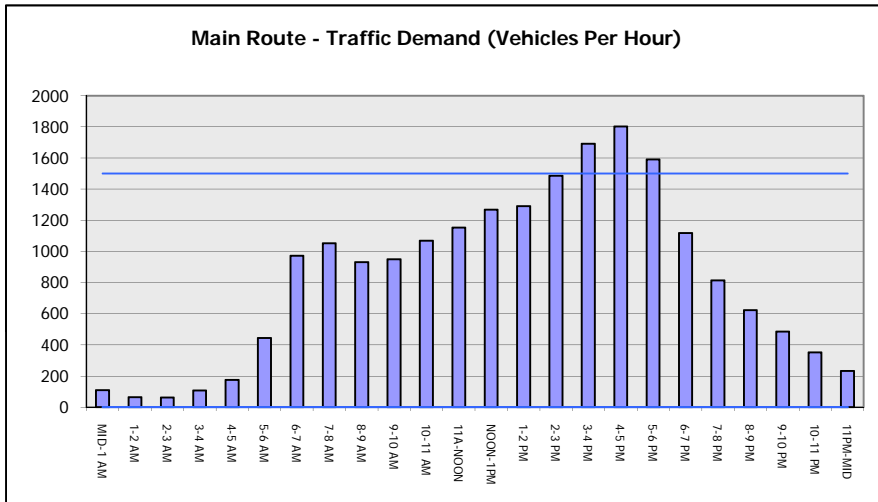
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$311
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39: STH 29 E TO STH 34/CTH C (MARATHON COUNTY)  
 NIGHTTIME CLOSURE  
 DIVERSION ROUTE: BUS 51 - STH 29**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>IH 39: STH 29 E TO STH 34/CTH C (MARATHON COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: BUS 51 - STH 29</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	175	0.0	90	0.0	1500	175	0	90	0.44	0	66.1	55.0	44.8	27.7	27.7
1-2 AM	83	0.0	42	0.0	1500	83	0	42	0.43	0	66.2	55.3	45.1	28.8	28.8
2-3 AM	79	0.0	40	0.0	1500	79	0	40	0.43	0	66.3	55.3	45.1	28.9	28.9
3-4 AM	118	0.0	61	0.0	1500	118	0	61	0.43	0	66.1	55.1	45.0	28.4	28.4
4-5 AM	180	0.0	92	0.0	1500	180	0	92	0.44	0	66.1	55.0	44.8	27.7	27.7
5-6 AM	415	0.0	212	0.0	OFF	415	0	212	0.00	0	65.6	65.6	65.6	24.8	24.8
6-7 AM	985	0.0	503	0.0	OFF	985	0	503	0.00	0	64.5	64.5	64.5	18.4	18.4
7-8 AM	1363	0.0	696	0.0	OFF	1363	0	696	0.00	0	63.8	63.8	63.8	14.9	14.9
8-9 AM	1070	0.0	546	0.0	OFF	1070	0	546	0.00	0	64.4	64.4	64.4	17.7	17.7
9-10 AM	1151	0.0	588	0.0	OFF	1151	0	588	0.00	0	64.2	64.2	64.2	16.9	16.9
10-11 AM	1306	0.0	667	0.0	OFF	1306	0	667	0.00	0	64.0	64.0	64.0	15.5	15.5
11A-NOON	1366	0.0	698	0.0	OFF	1366	0	698	0.00	0	63.8	63.8	63.8	14.9	14.9
NOON-1PM	1440	0.0	735	0.0	OFF	1440	0	735	0.00	0	63.7	63.7	63.7	14.2	14.2
1-2 PM	1533	0.0	782	0.0	OFF	1533	0	782+	0.00	0	63.5	63.5	63.5	13.4	13.4
2-3 PM	1694	0.0	865	0.0	OFF	1694	0	865+	0.00	0	63.2	63.2	63.2	12.2	12.2
3-4 PM	2003	0.0	1023	0.0	OFF	2003	0	1023+	0.00	0	62.7	62.7	62.7	10.6	10.6
4-5 PM	1965	0.0	1004	0.0	OFF	1965	0	1004+	0.00	0	62.7	62.7	62.7	10.7	10.7
5-6 PM	1932	0.0	986	0.0	OFF	1932	0	986+	0.00	0	62.8	62.8	62.8	10.8	10.8
6-7 PM	1602	0.0	817	0.0	OFF	1602	0	817+	0.00	0	63.4	63.4	63.4	12.9	12.9
7-8 PM	1314	0.0	670	0.0	1500	1314	0	670	0.78	0	64.0	47.4	35.1	15.4	15.4
8-9 PM	1028	0.0	525	0.0	1500	1028	0	525	0.52	0	64.5	52.2	41.6	18.1	18.1
9-10 PM	777	0.0	396	0.0	1500	777	0	396	0.50	0	65.0	53.0	42.5	20.6	20.6
10-11 PM	522	0.0	267	0.0	1500	522	0	267	0.47	0	65.4	53.8	43.4	23.6	23.6
11PM-MID	311	0.0	159	0.0	1500	311	0	159	0.45	0	65.8	54.5	44.2	26.1	26.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0718

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$571
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39: STH 29 E TO STH 34/CTH C (MARATHON COUNTY)  
NIGHTTIME CLOSURE  
DIVERSION ROUTE: BUS 51 - STH 29**

**OCTOBER**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

