

<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>AUGUST</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	137	0.0	70	0.0	1500	137	0	70	0.44	0	66.1	55.1	45.0	28.2	28.2
1-2 AM	76	0.0	39	0.0	1500	76	0	39	0.43	0	66.3	55.3	45.2	28.9	28.9
2-3 AM	68	0.0	35	0.0	1500	68	0	35	0.43	0	66.3	55.3	45.2	29.0	29.0
3-4 AM	101	0.0	51	0.0	1500	101	0	51	0.43	0	66.2	55.2	45.1	28.6	28.6
4-5 AM	208	0.0	106	0.0	1500	208	0	106	0.44	0	66.0	54.8	44.6	27.3	27.3
5-6 AM	539	0.0	275	0.0	OFF	539	0	275	0.00	0	65.4	65.4	65.4	23.4	23.4
6-7 AM	809	0.0	413	0.0	OFF	809	0	413	0.00	0	64.9	64.9	64.9	20.2	20.2
7-8 AM	981	0.0	500	0.0	OFF	981	0	500	0.00	0	64.6	64.6	64.6	18.5	18.5
8-9 AM	914	0.0	467	0.0	OFF	914	0	467	0.00	0	64.7	64.7	64.7	19.1	19.1
9-10 AM	1015	0.0	518	0.0	OFF	1015	0	518	0.00	0	64.5	64.5	64.5	18.2	18.2
10-11 AM	1183	0.0	603	0.0	OFF	1183	0	603	0.00	0	64.2	64.2	64.2	16.6	16.6
11A-NOON	1292	0.0	660	0.0	OFF	1292	0	660	0.00	0	64.0	64.0	64.0	15.6	15.6
NOON-1PM	1455	0.0	742	0.0	OFF	1455	0	742	0.00	0	63.7	63.7	63.7	14.1	14.1
1-2 PM	1440	0.0	735	0.0	OFF	1440	0	735	0.00	0	63.7	63.7	63.7	14.2	14.2
2-3 PM	1561	0.0	797	0.0	OFF	1561	0	797+	0.00	0	63.5	63.5	63.5	13.2	13.2
3-4 PM	1686	0.0	861	0.0	OFF	1686	0	861+	0.00	0	63.2	63.2	63.2	12.3	12.3
4-5 PM	1757	0.0	897	0.0	OFF	1757	0	897+	0.00	0	63.1	63.1	63.1	11.7	11.7
5-6 PM	1548	0.0	791	0.0	OFF	1548	0	791+	0.00	0	63.5	63.5	63.5	13.3	13.3
6-7 PM	1103	0.0	563	0.0	OFF	1103	0	563	0.00	0	64.3	64.3	64.3	17.3	17.3
7-8 PM	830	0.0	424	0.0	1500	830	0	424	0.50	0	64.8	52.8	42.3	19.9	19.9
8-9 PM	709	0.0	362	0.0	1500	709	0	362	0.49	0	65.1	53.2	42.7	21.4	21.4
9-10 PM	613	0.0	313	0.0	1500	613	0	313	0.48	0	65.3	53.5	43.1	22.5	22.5
10-11 PM	443	0.0	226	0.0	1500	443	0	226	0.47	0	65.6	54.1	43.7	24.5	24.5
11PM-MID	276	0.0	141	0.0	1500	276	0	141	0.45	0	65.9	54.6	44.4	26.5	26.5

"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	0.0079
MAIN ROUTE WITH WORKS	0.0077
DIVERSION	0.0610

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$375
CONGESTED HOURS PER DAY*	0

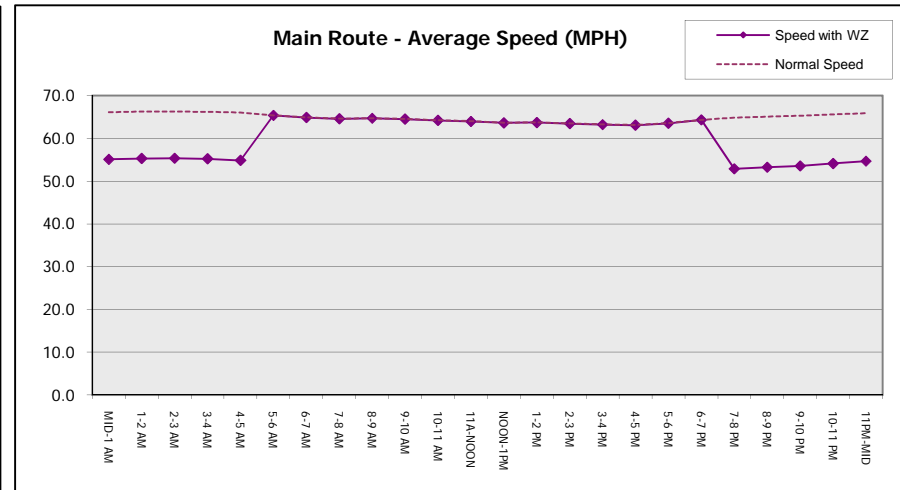
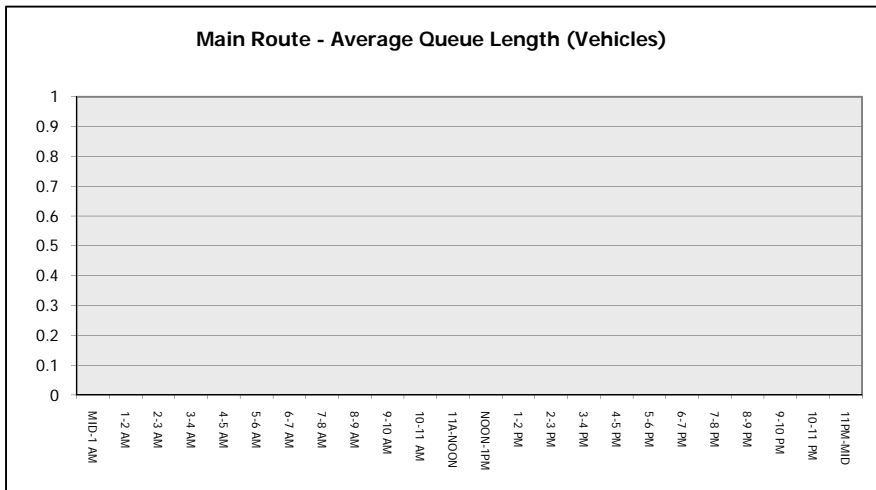
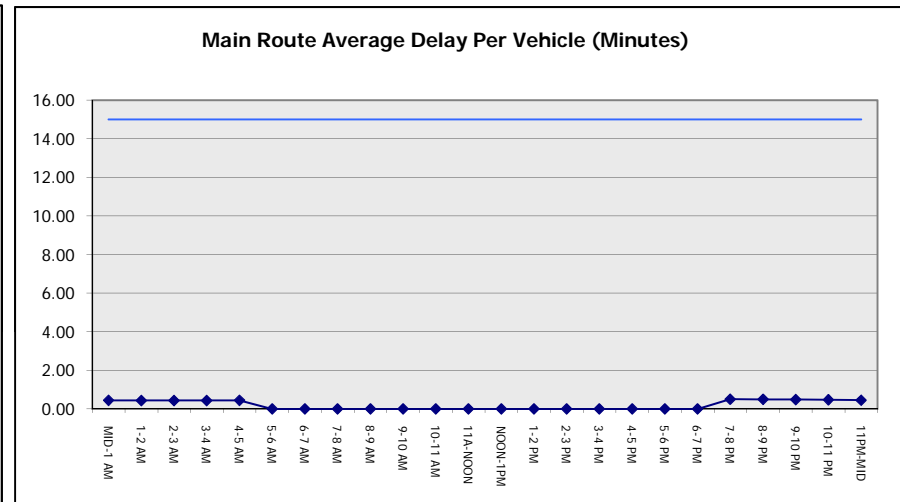
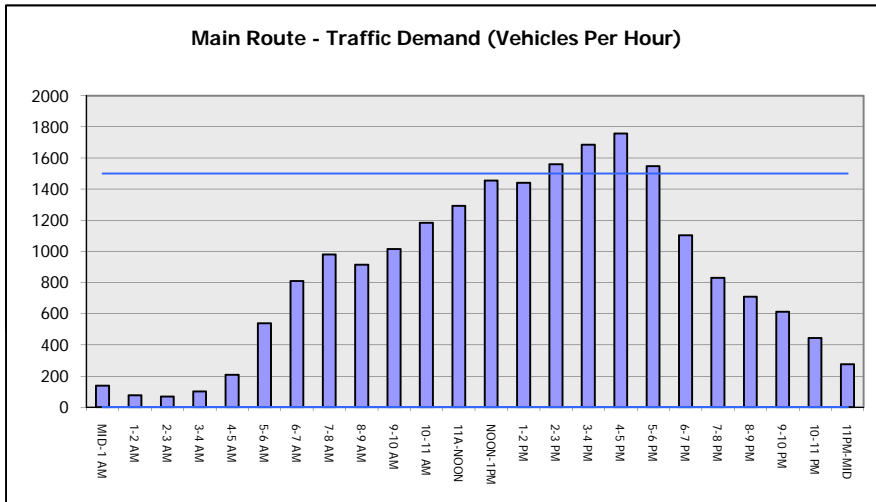
\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 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>AUGUST</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	194	0.0	99	0.0	1500	194	0	99	0.44	0	66.0	54.9	44.7	27.5	27.5
1-2 AM	119	0.0	61	0.0	1500	119	0	61	0.43	0	66.1	55.1	45.0	28.4	28.4
2-3 AM	99	0.0	50	0.0	1500	99	0	50	0.43	0	66.2	55.2	45.1	28.6	28.6
3-4 AM	114	0.0	59	0.0	1500	114	0	59	0.43	0	66.2	55.1	45.0	28.4	28.4
4-5 AM	165	0.0	84	0.0	1500	165	0	84	0.44	0	66.1	55.0	44.8	27.8	27.8
5-6 AM	444	0.0	226	0.0	OFF	444	0	226	0.00	0	65.6	65.6	65.6	24.5	24.5
6-7 AM	969	0.0	494	0.0	OFF	969	0	494	0.00	0	64.6	64.6	64.6	18.6	18.6
7-8 AM	1315	0.0	671	0.0	OFF	1315	0	671	0.00	0	64.0	64.0	64.0	15.4	15.4
8-9 AM	1049	0.0	535	0.0	OFF	1049	0	535	0.00	0	64.5	64.5	64.5	17.9	17.9
9-10 AM	1194	0.0	609	0.0	OFF	1194	0	609	0.00	0	64.1	64.1	64.1	16.5	16.5
10-11 AM	1443	0.0	737	0.0	OFF	1443	0	737	0.00	0	63.7	63.7	63.7	14.2	14.2
11A-NOON	1578	0.0	805	0.0	OFF	1578	0	805+	0.00	0	63.5	63.5	63.5	13.1	13.1
NOON-1PM	1601	0.0	817	0.0	OFF	1601	0	817+	0.00	0	63.4	63.4	63.4	12.9	12.9
1-2 PM	1727	0.0	882	0.0	OFF	1727	0	882+	0.00	0	63.2	63.2	63.2	11.9	11.9
2-3 PM	1973	0.0	1008	0.0	OFF	1973	0	1008+	0.00	0	62.7	62.7	62.7	10.6	10.6
3-4 PM	2037	0.0	1040	0.0	OFF	2037	0	1040+	0.00	0	62.6	62.6	62.6	10.6	10.6
4-5 PM	2088	0.0	1065	0.0	OFF	2088	0	1065+	0.00	0	62.5	62.5	62.5	10.6	10.6
5-6 PM	2007	0.0	1024	0.0	OFF	2007	0	1024+	0.00	0	62.7	62.7	62.7	10.6	10.6
6-7 PM	1733	0.0	884	0.0	OFF	1733	0	884+	0.00	0	63.2	63.2	63.2	11.9	11.9
7-8 PM	1549	0.0	791	0.0	1499	1549	0	791+	2.40	38	63.5	30.9	30.8	13.3	13.3
8-9 PM	1296	0.0	661	0.0	1500	1296	0	661	1.03	8	64.0	43.9	35.3	15.6	15.6
9-10 PM	1015	0.0	518	0.0	1500	1015	0	518	0.52	0	64.5	52.3	41.6	18.2	18.2
10-11 PM	670	0.0	342	0.0	1500	670	0	342	0.49	0	65.1	53.3	42.8	21.8	21.8
11PM-MID	510	0.0	260	0.0	1500	510	0	260	0.47	0	65.5	53.8	43.5	23.7	23.7

"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	0.0103
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.0790

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,470
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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

