

<b>IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY)</b> <b>OFF-PEAK DAY 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	OFF	137	0	70	0.00	0	66.1	66.1	66.1	28.2	28.2
1-2 AM	76	0.0	39	0.0	OFF	76	0	39	0.00	0	66.3	66.3	66.3	28.9	28.9
2-3 AM	68	0.0	35	0.0	OFF	68	0	35	0.00	0	66.3	66.3	66.3	29.0	29.0
3-4 AM	101	0.0	51	0.0	OFF	101	0	51	0.00	0	66.2	66.2	66.2	28.6	28.6
4-5 AM	208	0.0	106	0.0	OFF	208	0	106	0.00	0	66.0	66.0	66.0	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	1500	1015	0	518	0.52	0	64.5	52.3	41.6	18.2	18.2
10-11 AM	1183	0.0	603	0.0	1500	1183	0	603	0.61	0	64.2	50.4	39.0	16.6	16.6
11A-NOON	1292	0.0	660	0.0	1500	1292	0	660	0.76	0	64.0	47.9	35.7	15.6	15.6
NOON-1PM	1455	0.0	742	0.0	1500	1455	0	742	0.97	0	63.7	44.6	31.7	14.1	14.1
1-2 PM	1440	0.0	735	0.0	1499	1440	0	735	0.95	0	63.7	44.9	32.0	14.2	14.2
2-3 PM	1561	0.0	797	0.0	1499	1561	0	797+	1.78	22	63.5	35.5	30.8	13.2	13.2
3-4 PM	1686	0.0	861	0.0	1500	1686	0	861+	6.10	147	63.2	17.1	30.8	12.3	12.3
4-5 PM	1757	0.0	897	0.0	OFF	1757	0	897+	0.22	13	63.1	57.6	57.6	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	OFF	830	0	424	0.00	0	64.8	64.8	64.8	19.9	19.9
8-9 PM	709	0.0	362	0.0	OFF	709	0	362	0.00	0	65.1	65.1	65.1	21.4	21.4
9-10 PM	613	0.0	313	0.0	OFF	613	0	313	0.00	0	65.3	65.3	65.3	22.5	22.5
10-11 PM	443	0.0	226	0.0	OFF	443	0	226	0.00	0	65.6	65.6	65.6	24.5	24.5
11PM-MID	276	0.0	141	0.0	OFF	276	0	141	0.00	0	65.9	65.9	65.9	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	0.0073
DIVERSION	0.0610

PIA: Personal Injury Accidents

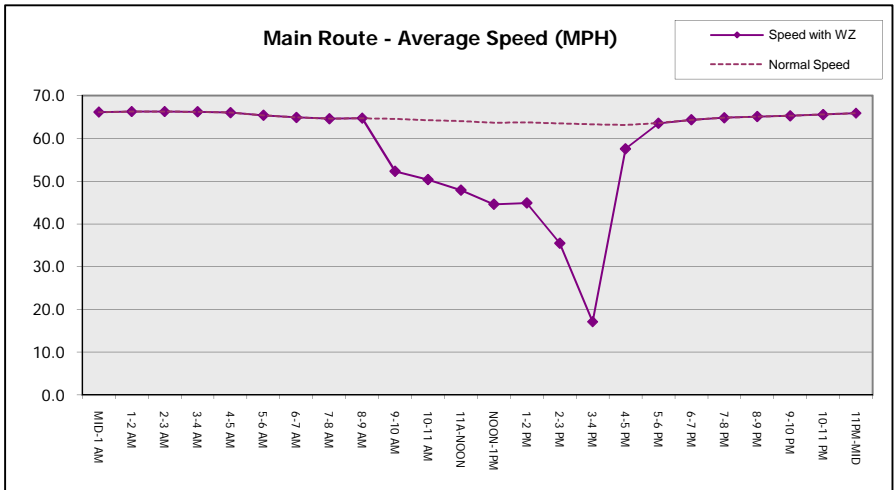
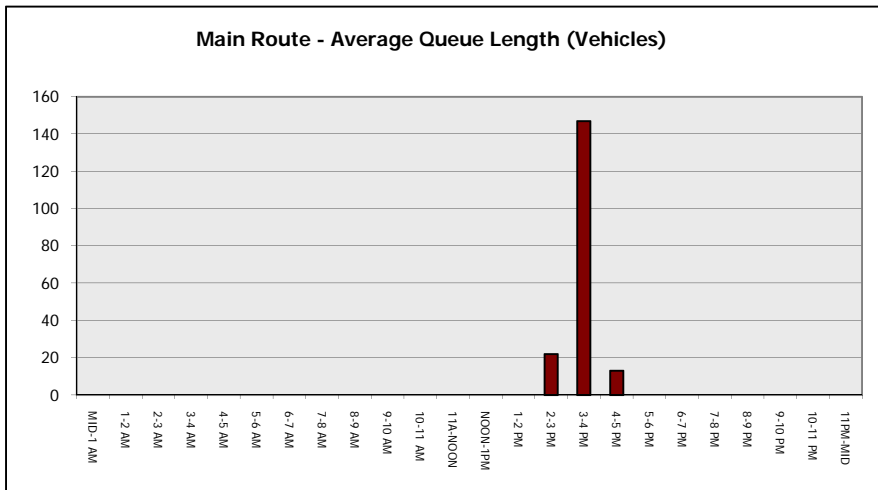
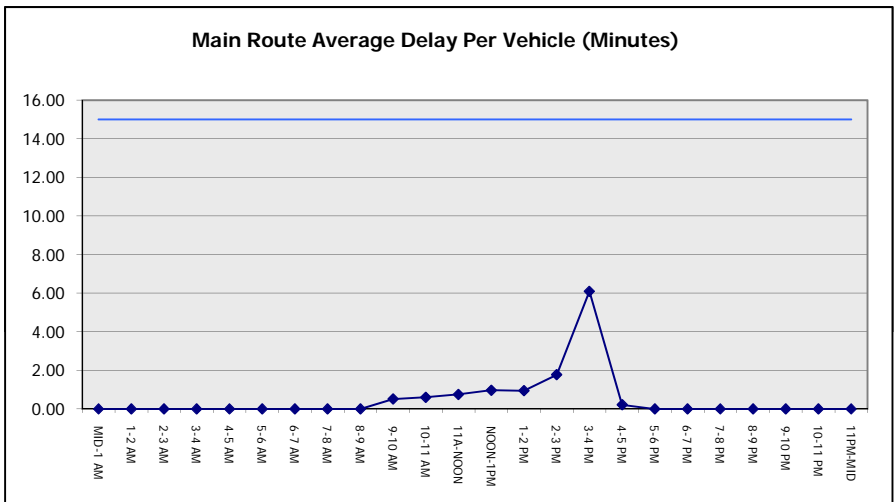
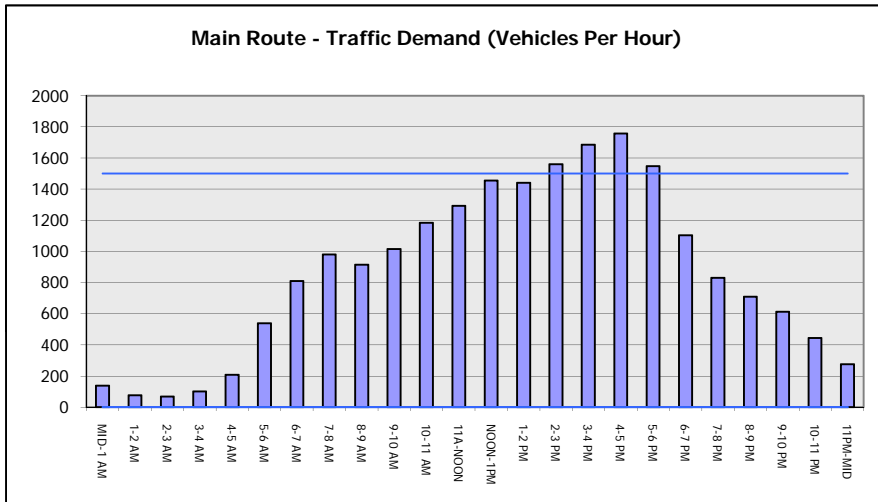
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$3,787
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY)**  
**OFF-PEAK DAY 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 29E TO STH 34/CTH C (MARATHON COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>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	OFF	194	0	99	0.00	0	66.0	66.0	66.0	27.5	27.5
1-2 AM	119	0.0	61	0.0	OFF	119	0	61	0.00	0	66.1	66.1	66.1	28.4	28.4
2-3 AM	99	0.0	50	0.0	OFF	99	0	50	0.00	0	66.2	66.2	66.2	28.6	28.6
3-4 AM	114	0.0	59	0.0	OFF	114	0	59	0.00	0	66.2	66.2	66.2	28.4	28.4
4-5 AM	165	0.0	84	0.0	OFF	165	0	84	0.00	0	66.1	66.1	66.1	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	1500	1194	0	609	0.63	0	64.1	50.1	38.6	16.5	16.5
10-11 AM	1443	0.0	737	0.0	1499	1443	0	737	0.95	0	63.7	44.8	32.0	14.2	14.2
11A-NOON	1578	0.0	805	0.0	1499	1578	0	805+	2.17	34	63.5	32.4	30.8	13.1	13.1
NOON-1PM	1601	0.0	817	0.0	1499	1601	0	817+	5.49	123	63.4	18.6	30.8	12.9	12.9
1-2 PM	1727	0.0	882	0.0	1500	1727	0	882+	11.14	280	63.2	11.4	30.8	11.9	12.3
2-3 PM	1973	0.0	1008	0.0	1500	1756	217	1225+	22.91	598	62.7	8.1	30.9	10.6	12.5
3-4 PM	2037	0.0	1040	0.0	1500	1509	528	1568+	26.15	679	62.6	7.7	30.8	10.6	12.7
4-5 PM	2088	0.0	1065	0.0	OFF	2088	0	1065+	1.94	117	62.5	33.9	33.9	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	OFF	1549	0	791+	0.00	0	63.5	63.5	63.5	13.3	13.3
8-9 PM	1296	0.0	661	0.0	OFF	1296	0	661	0.00	0	64.0	64.0	64.0	15.6	15.6
9-10 PM	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 PM	670	0.0	342	0.0	OFF	670	0	342	0.00	0	65.1	65.1	65.1	21.8	21.8
11PM-MID	510	0.0	260	0.0	OFF	510	0	260	0.00	0	65.5	65.5	65.5	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	0.0093
DIVERSION	0.0833

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$27,919
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

