

<b>USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BUS 51 - STH 52</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	229	0.0	100	0.0	1500	229	0	100	0.50	0	70.2	62.4	44.6	30.9	30.9
1-2 AM	155	0.0	61	0.0	1500	155	0	61	0.49	0	70.2	62.5	44.8	31.9	31.9
2-3 AM	116	0.0	58	0.0	1500	116	0	58	0.49	0	70.2	62.6	45.0	32.0	32.0
3-4 AM	149	0.0	44	0.0	1500	149	0	44	0.49	0	70.2	62.5	44.9	32.4	32.4
4-5 AM	175	0.0	73	0.0	1500	175	0	73	0.49	0	70.2	62.5	44.8	31.6	31.6
5-6 AM	342	0.0	90	0.0	1500	342	0	90	0.51	0	70.2	62.2	44.1	31.2	31.2
6-7 AM	656	0.0	152	0.0	1500	656	0	152	0.55	0	69.9	61.5	42.9	29.5	29.5
7-8 AM	947	0.0	230	0.0	1500	947	0	230	0.58	0	69.6	60.9	41.9	27.4	27.4
8-9 AM	1273	0.0	359	0.0	OFF	1273	0	359	0.00	0	69.2	69.2	69.2	24.0	24.0
9-10 AM	1570	0.0	483	0.0	OFF	1570	0	483	0.00	0	68.8	68.8	68.8	21.0	21.0
10-11 AM	1847	0.0	656	0.0	OFF	1847	0	656	0.00	0	68.4	68.4	68.4	17.7	17.7
11A-NOON	1897	0.0	699	0.0	OFF	1897	0	699	0.00	0	68.4	68.4	68.4	16.9	16.9
NOON-1PM	2037	0.0	782	0.0	OFF	2037	0	782	0.00	0	68.2	68.2	68.2	15.3	15.3
1-2 PM	1833	0.0	740	0.0	OFF	1833	0	740	0.00	0	68.4	68.4	68.4	16.1	16.1
2-3 PM	1965	0.0	766	0.0	OFF	1965	0	766	0.00	0	68.3	68.3	68.3	15.6	15.6
3-4 PM	1882	0.0	775	0.0	OFF	1882	0	775	0.00	0	68.4	68.4	68.4	15.4	15.4
4-5 PM	1776	0.0	726	0.0	OFF	1776	0	726	0.00	0	68.5	68.5	68.5	16.3	16.3
5-6 PM	1481	0.0	693	0.0	OFF	1481	0	693	0.00	0	68.9	68.9	68.9	17.0	17.0
6-7 PM	1416	0.0	600	0.0	1500	1416	0	600	0.99	0	69.0	55.5	32.6	18.8	18.8
7-8 PM	1111	0.0	483	0.0	1500	1111	0	483	0.60	0	69.4	60.4	41.3	21.0	21.0
8-9 PM	994	0.0	427	0.0	1500	994	0	427	0.59	0	69.5	60.7	41.7	22.2	22.2
9-10 PM	748	0.0	316	0.0	1500	748	0	316	0.56	0	69.8	61.3	42.6	25.2	25.2
10-11 PM	493	0.0	216	0.0	1500	493	0	216	0.53	0	70.1	61.9	43.5	27.8	27.8
11PM-MID	371	0.0	155	0.0	1500	371	0	155	0.52	0	70.2	62.2	44.0	29.4	29.4

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

*----- 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	0.0190
MAIN ROUTE WITH WORKS	0.0185
DIVERSION	0.0920

PIA: Personal Injury Accidents

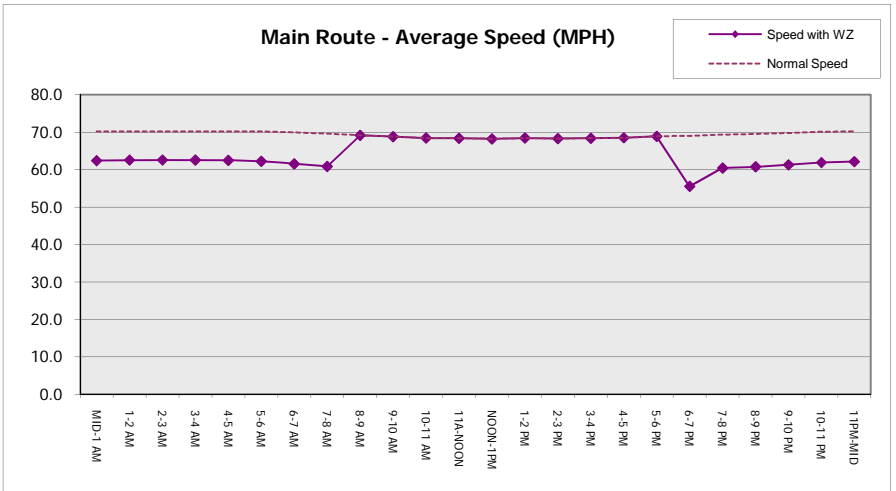
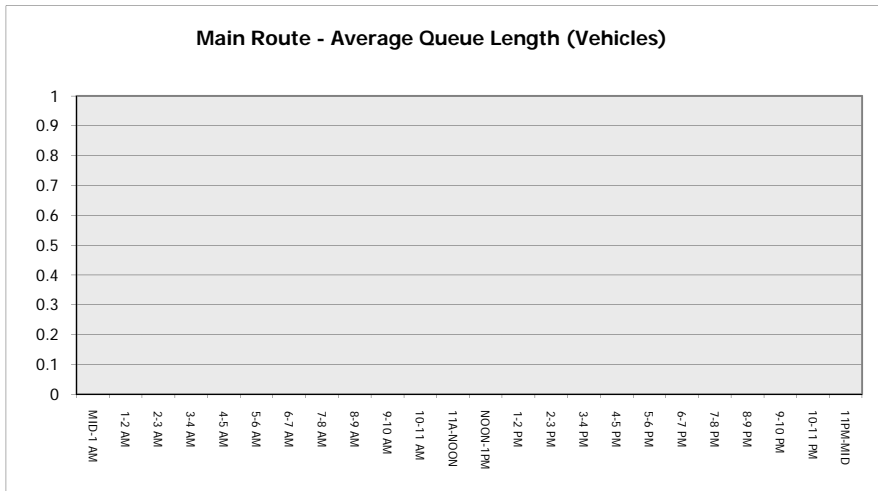
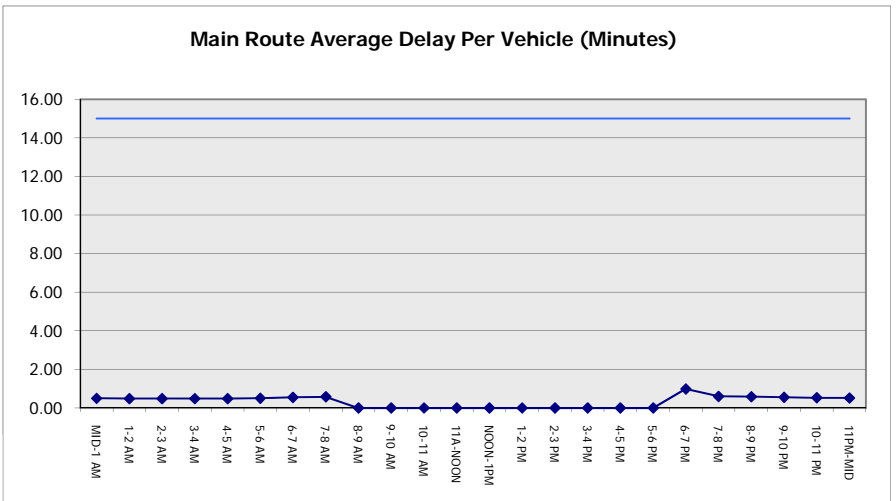
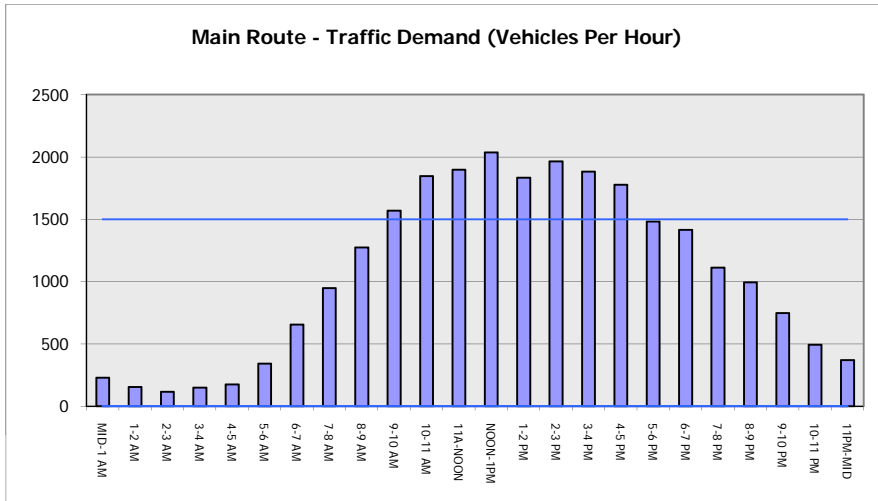
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,193
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 DIVERSION ROUTE: BUS 51 - STH 52**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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



<b>USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: BUS 51 - STH 52</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
SATURDAY	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	338	0.0	84	0.0	1500	338	0	84	0.51	0	70.2	62.2	44.2	31.3	31.3
1-2 AM	203	0.0	65	0.0	1500	203	0	65	0.50	0	70.2	62.4	44.6	31.8	31.8
2-3 AM	195	0.0	61	0.0	1500	195	0	61	0.50	0	70.2	62.5	44.7	31.9	31.9
3-4 AM	163	0.0	49	0.0	1500	163	0	49	0.49	0	70.2	62.5	44.8	32.2	32.2
4-5 AM	195	0.0	63	0.0	1500	195	0	63	0.50	0	70.2	62.5	44.7	31.9	31.9
5-6 AM	325	0.0	146	0.0	1500	325	0	146	0.51	0	70.2	62.2	44.2	29.7	29.7
6-7 AM	608	0.0	255	0.0	1500	608	0	255	0.54	0	70.0	61.7	43.1	26.8	26.8
7-8 AM	898	0.0	354	0.0	1500	898	0	354	0.58	0	69.6	60.9	42.0	24.2	24.2
8-9 AM	1274	0.0	540	0.0	OFF	1274	0	540	0.00	0	69.2	69.2	69.2	19.9	19.9
9-10 AM	1612	0.0	672	0.0	OFF	1612	0	672	0.00	0	68.7	68.7	68.7	17.4	17.4
10-11 AM	1900	0.0	715	0.0	OFF	1900	0	715	0.00	0	68.4	68.4	68.4	16.5	16.5
11A-NOON	1991	0.0	748	0.0	OFF	1991	0	748	0.00	0	68.2	68.2	68.2	15.9	15.9
NOON-1PM	1991	0.0	728	0.0	OFF	1991	0	728	0.00	0	68.2	68.2	68.2	16.3	16.3
1-2 PM	1922	0.0	668	0.0	OFF	1922	0	668	0.00	0	68.4	68.4	68.4	17.5	17.5
2-3 PM	1790	0.0	649	0.0	OFF	1790	0	649	0.00	0	68.5	68.5	68.5	17.8	17.8
3-4 PM	1809	0.0	614	0.0	OFF	1809	0	614	0.00	0	68.5	68.5	68.5	18.5	18.5
4-5 PM	1758	0.0	565	0.0	OFF	1758	0	565	0.00	0	68.6	68.6	68.6	19.4	19.4
5-6 PM	1575	0.0	518	0.0	OFF	1575	0	518	0.00	0	68.7	68.7	68.7	20.4	20.4
6-7 PM	1409	0.0	457	0.0	1500	1409	0	457	0.98	0	69.0	55.6	32.7	21.5	21.5
7-8 PM	1155	0.0	375	0.0	1500	1155	0	375	0.65	0	69.3	59.7	39.9	23.6	23.6
8-9 PM	878	0.0	287	0.0	1500	878	0	287	0.57	0	69.6	61.0	42.1	25.9	25.9
9-10 PM	724	0.0	230	0.0	1500	724	0	230	0.56	0	69.9	61.4	42.7	27.4	27.4
10-11 PM	526	0.0	190	0.0	1500	526	0	190	0.54	0	70.0	61.9	43.4	28.5	28.5
11PM-MID	411	0.0	127	0.0	1500	411	0	127	0.52	0	70.2	62.1	43.8	30.2	30.2

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

*----- 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	0.0192
MAIN ROUTE WITH WORKS	0.0186
DIVERSION	0.0870

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,212
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 DIVERSION ROUTE: BUS 51 - STH 52**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

