

USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY) OFF-PEAK DAY 1 LANE CLOSURE DIVERSION ROUTE: BUS 51 - STH 52	OCTOBER
	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	186	0.0	75	0.0	OFF	186	0	75	0.00	0	70.2	70.2	70.2	31.5	31.5
1-2 AM	107	0.0	54	0.0	OFF	107	0	54	0.00	0	70.2	70.2	70.2	32.1	32.1
2-3 AM	103	0.0	46	0.0	OFF	103	0	46	0.00	0	70.2	70.2	70.2	32.3	32.3
3-4 AM	182	0.0	52	0.0	OFF	182	0	52	0.00	0	70.2	70.2	70.2	32.2	32.2
4-5 AM	298	0.0	118	0.0	OFF	298	0	118	0.00	0	70.2	70.2	70.2	30.4	30.4
5-6 AM	754	0.0	254	0.0	OFF	754	0	254	0.00	0	69.8	69.8	69.8	26.8	26.8
6-7 AM	1655	0.0	570	0.0	OFF	1655	0	570	0.00	0	68.7	68.7	68.7	19.3	19.3
7-8 AM	1790	0.0	696	0.0	OFF	1790	0	696	0.00	0	68.5	68.5	68.5	16.9	16.9
8-9 AM	1583	0.0	536	0.0	OFF	1583	0	536	0.00	0	68.7	68.7	68.7	20.0	20.0
9-10 AM	1617	0.0	571	0.0	OFF	1617	0	571	0.00	0	68.7	68.7	68.7	19.3	19.3
10-11 AM	1818	0.0	690	0.0	3000	1818	0	690	0.34	0	68.5	63.3	49.7	17.0	17.0
11A-NOON	1962	0.0	795	0.0	3000	1962	0	795	0.34	0	68.3	63.2	49.7	15.0	15.0
NOON-1PM	2159	0.0	865	0.0	3000	2159	0	865+	0.33	0	68.1	63.0	49.7	13.6	13.6
1-2 PM	2197	0.0	943	0.0	3000	2197	0	943+	0.33	0	68.0	63.0	49.7	12.7	12.7
2-3 PM	2531	0.0	1119	0.0	3000	2531	0	1119+	0.42	0	67.6	61.4	46.1	11.2	11.2
3-4 PM	2878	0.0	1328	0.0	OFF	2878	0	1328+	0.00	0	67.1	67.1	67.1	11.2	11.2
4-5 PM	3066	0.0	1297	0.0	OFF	3066	0	1297+	0.00	0	66.9	66.9	66.9	11.2	11.2
5-6 PM	2705	0.0	1107	0.0	OFF	2705	0	1107+	0.00	0	67.4	67.4	67.4	11.2	11.2
6-7 PM	1902	0.0	825	0.0	OFF	1902	0	825+	0.00	0	68.4	68.4	68.4	14.4	14.4
7-8 PM	1388	0.0	629	0.0	OFF	1388	0	629	0.00	0	69.0	69.0	69.0	18.2	18.2
8-9 PM	1059	0.0	493	0.0	OFF	1059	0	493	0.00	0	69.4	69.4	69.4	20.8	20.8
9-10 PM	825	0.0	388	0.0	OFF	825	0	388	0.00	0	69.7	69.7	69.7	23.2	23.2
10-11 PM	597	0.0	284	0.0	OFF	597	0	284	0.00	0	70.0	70.0	70.0	26.0	26.0
11PM-MID	395	0.0	209	0.0	OFF	395	0	209	0.00	0	70.2	70.2	70.2	28.0	28.0

"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	0.0252
MAIN ROUTE WITH WORKS	0.0245
DIVERSION	0.1325

PIA: Personal Injury Accidents

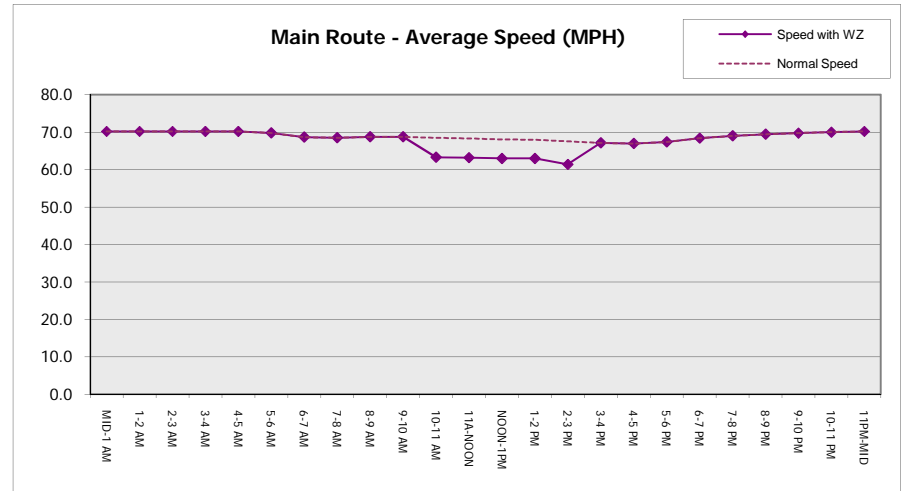
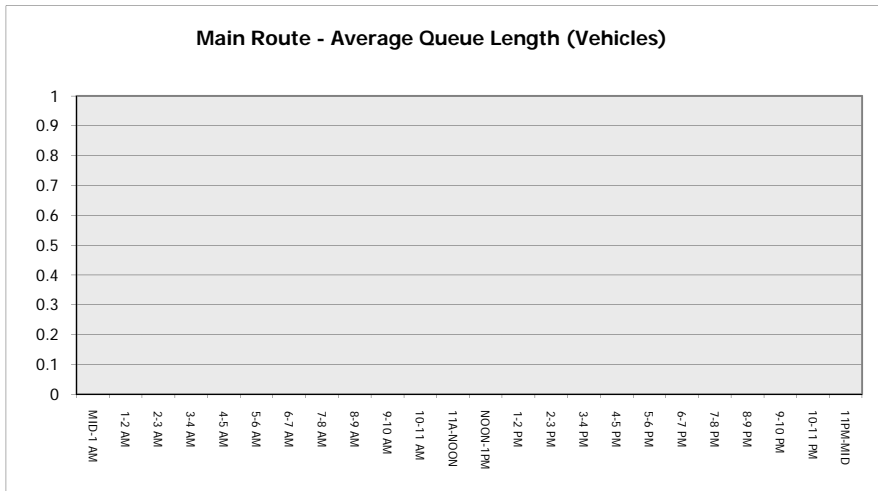
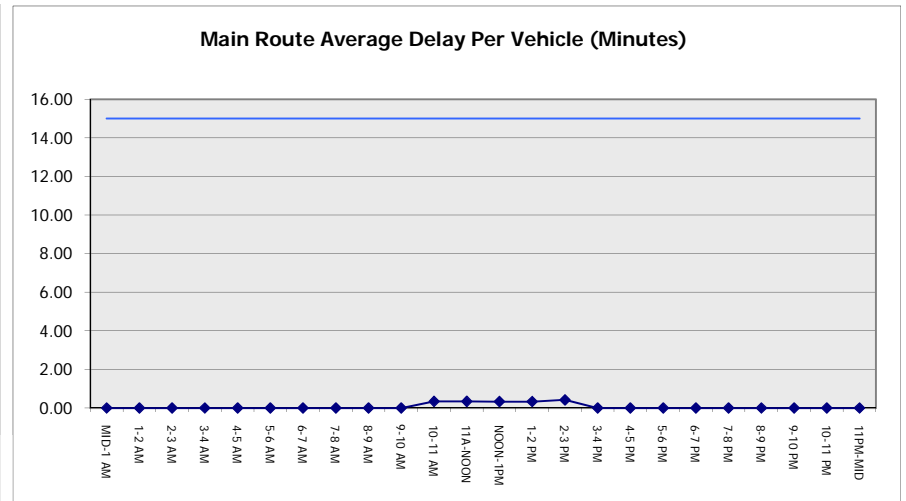
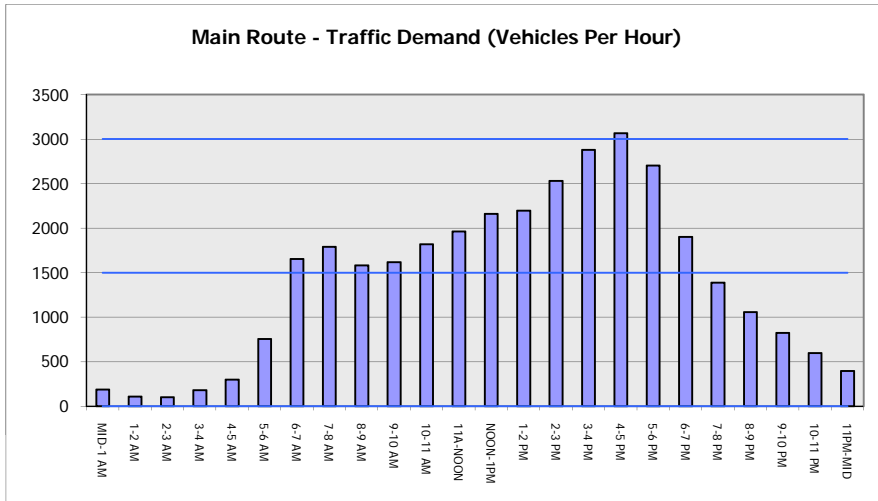
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$786
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY)
 OFF-PEAK DAY 1 LANE CLOSURE
 DIVERSION ROUTE: BUS 51 - STH 52**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY) OFF-PEAK DAY 1 LANE CLOSURE DIVERSION ROUTE: BUS 51 - STH 52	OCTOBER Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
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	298	0.0	59	0.0	OFF	298	0	59	0.00	0	70.2	70.2	70.2	32.0	32.0
1-2 AM	141	0.0	56	0.0	OFF	141	0	56	0.00	0	70.2	70.2	70.2	32.0	32.0
2-3 AM	135	0.0	57	0.0	OFF	135	0	57	0.00	0	70.2	70.2	70.2	32.0	32.0
3-4 AM	202	0.0	71	0.0	OFF	202	0	71	0.00	0	70.2	70.2	70.2	31.7	31.7
4-5 AM	307	0.0	143	0.0	OFF	307	0	143	0.00	0	70.2	70.2	70.2	29.7	29.7
5-6 AM	705	0.0	344	0.0	OFF	705	0	344	0.00	0	69.9	69.9	69.9	24.4	24.4
6-7 AM	1676	0.0	791	0.0	OFF	1676	0	791	0.00	0	68.6	68.6	68.6	15.1	15.1
7-8 AM	2319	0.0	1108	0.0	OFF	2319	0	1108+	0.00	0	67.9	67.9	67.9	11.2	11.2
8-9 AM	1819	0.0	802	0.0	OFF	1819	0	802+	0.00	0	68.5	68.5	68.5	14.9	14.9
9-10 AM	1958	0.0	722	0.0	OFF	1958	0	722	0.00	0	68.3	68.3	68.3	16.5	16.5
10-11 AM	2221	0.0	750	0.0	3000	2221	0	750	0.33	0	68.0	63.0	49.7	15.9	15.9
11A-NOON	2324	0.0	806	0.0	3000	2324	0	806+	0.33	0	67.9	62.8	49.7	14.8	14.8
NOON-1PM	2450	0.0	809	0.0	3000	2450	0	809+	0.37	0	67.7	62.2	48.1	14.7	14.7
1-2 PM	2608	0.0	866	0.0	3000	2608	0	866+	0.47	0	67.5	60.6	44.3	13.5	13.5
2-3 PM	2882	0.0	942	0.0	2999	2882	0	942+	0.65	0	67.1	58.1	39.2	12.7	12.7
3-4 PM	3408	0.0	1076	0.0	OFF	3408	0	1076+	0.00	0	66.5	66.5	66.5	11.2	11.2
4-5 PM	3344	0.0	1067	0.0	OFF	3344	0	1067+	0.00	0	66.6	66.6	66.6	11.2	11.2
5-6 PM	3288	0.0	992	0.0	OFF	3288	0	992+	0.00	0	66.6	66.6	66.6	12.2	12.2
6-7 PM	2725	0.0	771	0.0	OFF	2725	0	771	0.00	0	67.4	67.4	67.4	15.5	15.5
7-8 PM	2235	0.0	558	0.0	OFF	2235	0	558	0.00	0	67.9	67.9	67.9	19.6	19.6
8-9 PM	1749	0.0	367	0.0	OFF	1749	0	367	0.00	0	68.6	68.6	68.6	23.8	23.8
9-10 PM	1322	0.0	299	0.0	OFF	1322	0	299	0.00	0	69.1	69.1	69.1	25.6	25.6
10-11 PM	887	0.0	239	0.0	OFF	887	0	239	0.00	0	69.6	69.6	69.6	27.2	27.2
11PM-MID	528	0.0	185	0.0	OFF	528	0	185	0.00	0	70.0	70.0	70.0	28.6	28.6

"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	0.0310
MAIN ROUTE WITH WORKS	0.0302
DIVERSION	0.1318

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,143
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 51: STH 29 W TO STH 29 E (MARATHON COUNTY)
 OFF-PEAK DAY 1 LANE CLOSURE
 DIVERSION ROUTE: BUS 51 - STH 52**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

