

IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: BUS 51 - STH 29	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	109	0.0	56	0.0	OFF	109	0	56	0.00	0	66.2	66.2	66.2	28.5	28.5
1-2 AM	63	0.0	32	0.0	OFF	63	0	32	0.00	0	66.3	66.3	66.3	29.1	29.1
2-3 AM	61	0.0	31	0.0	OFF	61	0	31	0.00	0	66.3	66.3	66.3	29.1	29.1
3-4 AM	107	0.0	55	0.0	OFF	107	0	55	0.00	0	66.2	66.2	66.2	28.5	28.5
4-5 AM	175	0.0	90	0.0	OFF	175	0	90	0.00	0	66.1	66.1	66.1	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	1500	950	0	485	0.51	0	64.6	52.5	41.9	18.8	18.8
10-11 AM	1069	0.0	546	0.0	1500	1069	0	546	0.53	0	64.4	52.1	41.4	17.7	17.7
11A-NOON	1153	0.0	589	0.0	1500	1153	0	589	0.58	0	64.2	51.1	40.0	16.9	16.9
NOON-1PM	1269	0.0	647	0.0	1500	1269	0	647	0.73	0	64.0	48.4	36.3	15.8	15.8
1-2 PM	1291	0.0	659	0.0	1499	1291	0	659	0.75	0	64.0	47.9	35.8	15.6	15.6
2-3 PM	1487	0.0	760	0.0	1499	1487	0	760	1.14	4	63.6	42.2	31.4	13.8	13.8
3-4 PM	1691	0.0	864	0.0	1500	1691	0	864+	4.42	104	63.2	21.5	30.8	12.2	12.2
4-5 PM	1802	0.0	920	0.0	OFF	1802	0	920+	0.16	10	63.0	58.8	58.8	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	OFF	815	0	416	0.00	0	64.9	64.9	64.9	20.1	20.1
8-9 PM	623	0.0	318	0.0	OFF	623	0	318	0.00	0	65.2	65.2	65.2	22.4	22.4
9-10 PM	485	0.0	247	0.0	OFF	485	0	247	0.00	0	65.5	65.5	65.5	24.0	24.0
10-11 PM	351	0.0	179	0.0	OFF	351	0	179	0.00	0	65.7	65.7	65.7	25.6	25.6
11PM-MID	233	0.0	118	0.0	OFF	233	0	118	0.00	0	66.0	66.0	66.0	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	0.0070
DIVERSION	0.0583

PIA: Personal Injury Accidents

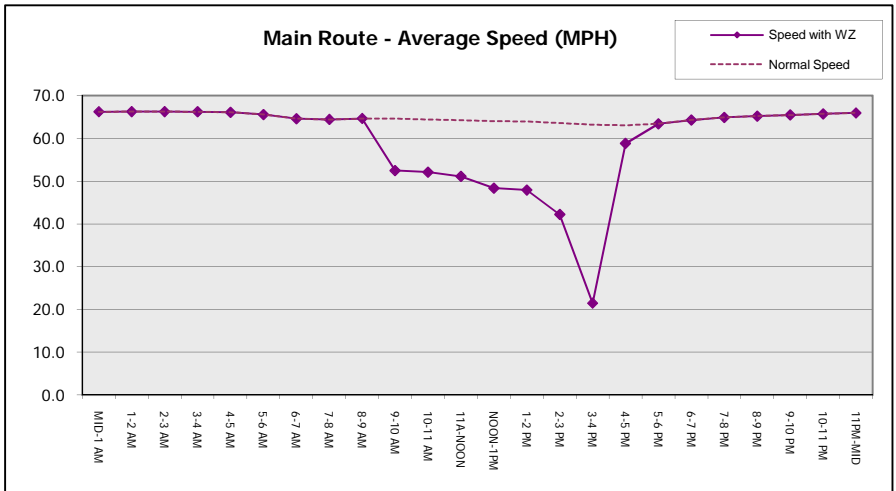
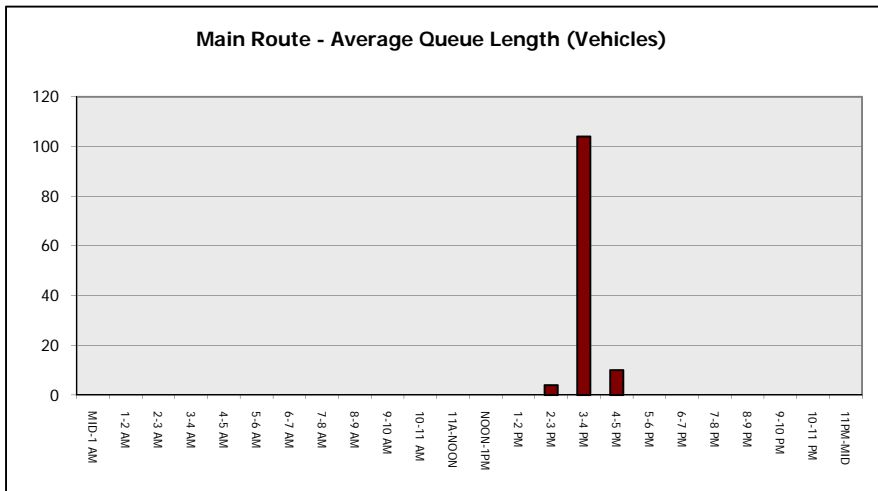
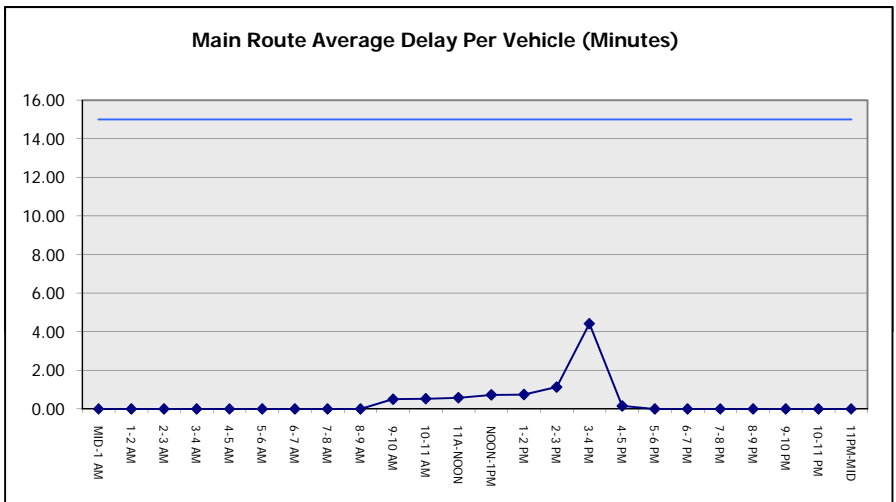
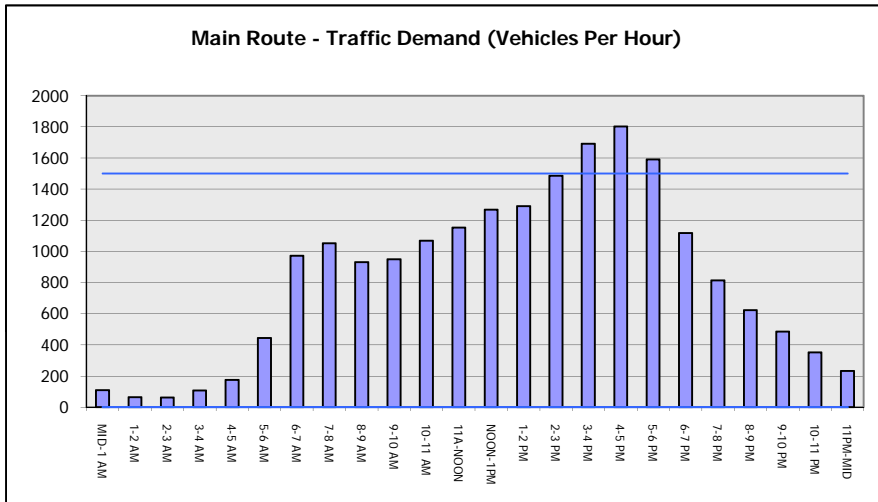
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,165
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: BUS 51 - STH 29	OCTOBER
	Analyzed for 2009 Construction Season

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	175	0.0	90	0.0	OFF	175	0	90	0.00	0	66.1	66.1	66.1	27.7	27.7
1-2 AM	83	0.0	42	0.0	OFF	83	0	42	0.00	0	66.2	66.2	66.2	28.8	28.8
2-3 AM	79	0.0	40	0.0	OFF	79	0	40	0.00	0	66.3	66.3	66.3	28.9	28.9
3-4 AM	118	0.0	61	0.0	OFF	118	0	61	0.00	0	66.1	66.1	66.1	28.4	28.4
4-5 AM	180	0.0	92	0.0	OFF	180	0	92	0.00	0	66.1	66.1	66.1	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	1500	1151	0	588	0.57	0	64.2	51.2	40.1	16.9	16.9
10-11 AM	1306	0.0	667	0.0	1500	1306	0	667	0.77	0	64.0	47.6	35.3	15.5	15.5
11A-NOON	1366	0.0	698	0.0	1500	1366	0	698	0.85	0	63.8	46.3	33.8	14.9	14.9
NOON-1PM	1440	0.0	735	0.0	1499	1440	0	735	0.95	0	63.7	44.9	32.0	14.2	14.2
1-2 PM	1533	0.0	782	0.0	1499	1533	0	782+	1.31	8	63.5	40.2	30.8	13.4	13.4
2-3 PM	1694	0.0	865	0.0	1500	1694	0	865+	4.82	115	63.2	20.2	30.8	12.2	12.2
3-4 PM	2003	0.0	1023	0.0	1500	1999	4	1027+	17.67	469	62.7	9.2	30.8	10.6	11.9
4-5 PM	1965	0.0	1004	0.0	OFF	1965	0	1004+	2.09	129	62.7	32.8	32.8	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	OFF	1314	0	670	0.00	0	64.0	64.0	64.0	15.4	15.4
8-9 PM	1028	0.0	525	0.0	OFF	1028	0	525	0.00	0	64.5	64.5	64.5	18.1	18.1
9-10 PM	777	0.0	396	0.0	OFF	777	0	396	0.00	0	65.0	65.0	65.0	20.6	20.6
10-11 PM	522	0.0	267	0.0	OFF	522	0	267	0.00	0	65.4	65.4	65.4	23.6	23.6
11PM-MID	311	0.0	159	0.0	OFF	311	0	159	0.00	0	65.8	65.8	65.8	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	0.0086
DIVERSION	0.0718

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$8,919
CONGESTED HOURS PER DAY*	1

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

