

IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: BUS 51, STH 29	OCTOBER
	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	135	0.0	69	0.0	1500	135	0	69	0.44	0	66.1	55.1	45.0	28.2	28.2
1-2 AM	92	0.0	46	0.0	1500	92	0	46	0.43	0	66.2	55.3	45.1	28.8	28.8
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	87	0.0	44	0.0	1500	87	0	44	0.43	0	66.2	55.3	45.1	28.8	28.8
4-5 AM	103	0.0	52	0.0	1500	103	0	52	0.43	0	66.2	55.2	45.1	28.6	28.6
5-6 AM	201	0.0	103	0.0	1500	201	0	103	0.44	0	66.0	54.9	44.6	27.4	27.4
6-7 AM	386	0.0	197	0.0	1500	386	0	197	0.46	0	65.6	54.3	44.0	25.2	25.2
7-8 AM	557	0.0	284	0.0	1500	557	0	284	0.48	0	65.3	53.7	43.3	23.2	23.2
8-9 AM	748	0.0	382	0.0	1500	748	0	382	0.49	0	65.0	53.1	42.6	20.9	20.9
9-10 AM	923	0.0	471	0.0	1500	923	0	471	0.51	0	64.6	52.6	41.9	19.0	19.0
10-11 AM	1086	0.0	554	0.0	1500	1086	0	554	0.53	0	64.3	52.1	41.4	17.5	17.5
11A-NOON	1116	0.0	569	0.0	1500	1116	0	569	0.53	0	64.3	52.0	41.3	17.3	17.3
NOON-1PM	1197	0.0	611	0.0	1500	1197	0	611	0.63	0	64.1	50.1	38.6	16.5	16.5
1-2 PM	1078	0.0	550	0.0	1500	1078	0	550	0.53	0	64.4	52.1	41.4	17.6	17.6
2-3 PM	1155	0.0	590	0.0	1500	1155	0	590	0.58	0	64.2	51.0	39.9	16.9	16.9
3-4 PM	1107	0.0	565	0.0	1500	1107	0	565	0.53	0	64.3	52.0	41.3	17.3	17.3
4-5 PM	1044	0.0	533	0.0	1500	1044	0	533	0.52	0	64.5	52.2	41.5	17.9	17.9
5-6 PM	871	0.0	445	0.0	1500	871	0	445	0.51	0	64.8	52.7	42.2	19.5	19.5
6-7 PM	833	0.0	425	0.0	1500	833	0	425	0.50	0	64.8	52.8	42.3	19.9	19.9
7-8 PM	653	0.0	334	0.0	1500	653	0	334	0.49	0	65.1	53.4	42.9	22.0	22.0
8-9 PM	585	0.0	299	0.0	1500	585	0	299	0.48	0	65.3	53.7	43.2	22.9	22.9
9-10 PM	440	0.0	224	0.0	1500	440	0	224	0.47	0	65.6	54.1	43.7	24.6	24.6
10-11 PM	289	0.0	148	0.0	1500	289	0	148	0.45	0	65.8	54.6	44.3	26.3	26.3
11PM-MID	218	0.0	111	0.0	1500	218	0	111	0.44	0	66.0	54.8	44.6	27.2	27.2

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0057
MAIN ROUTE WITH WORKS	0.0047
DIVERSION	0.0440

PIA: Personal Injury Accidents

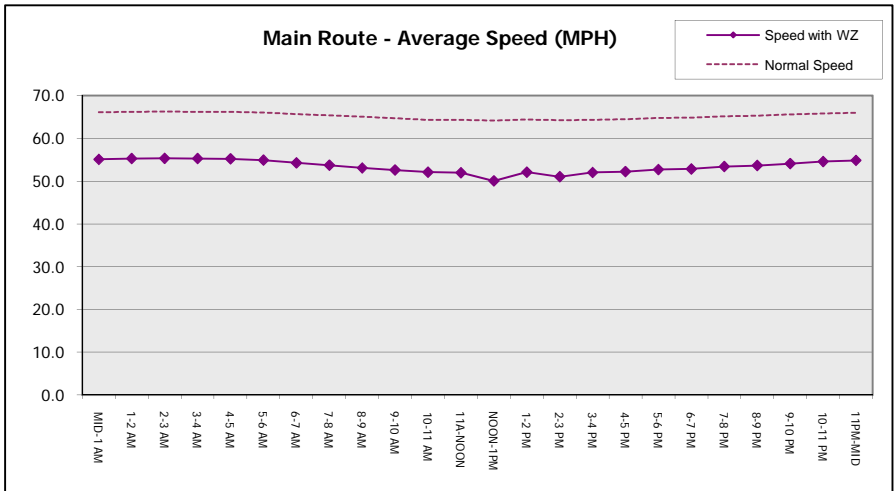
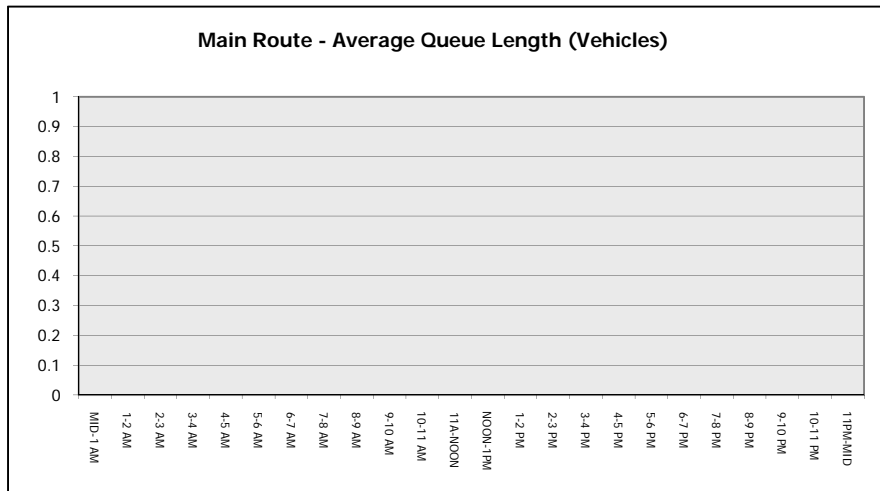
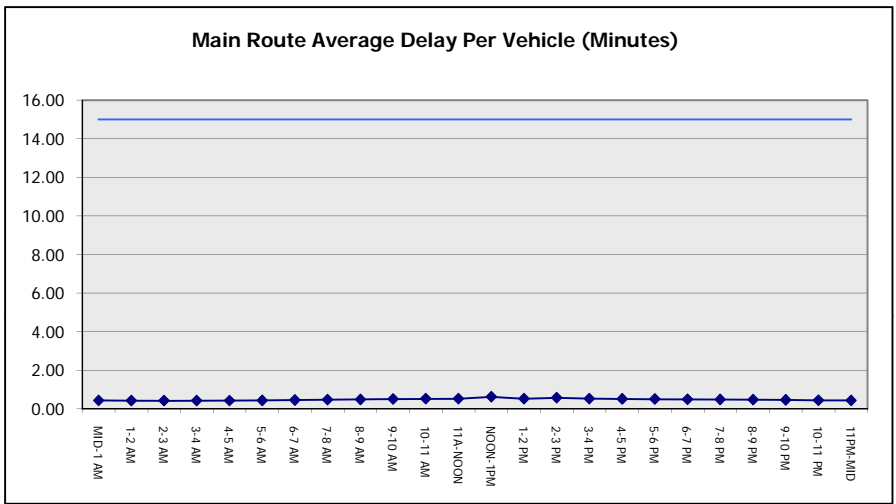
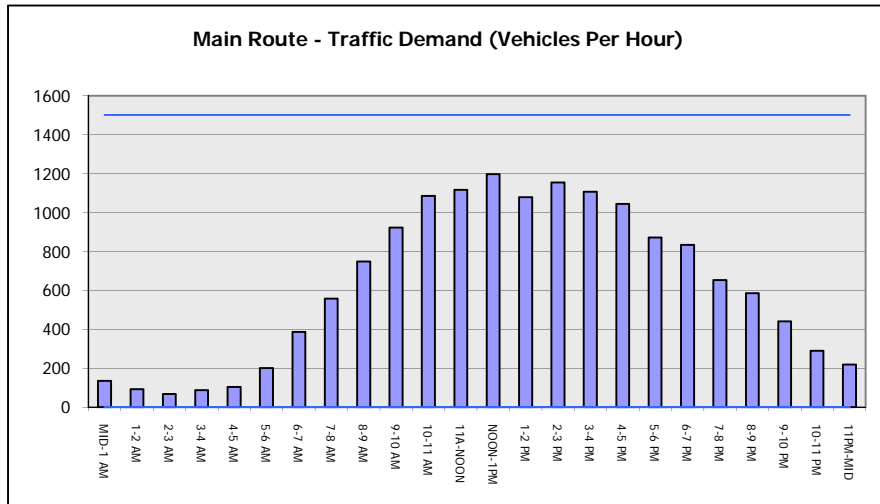
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,975
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: BUS 51, STH 29**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: BUS 51, STH 29	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

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	199	0.0	102	0.0	1500	199	0	102	0.44	0	66.0	54.9	44.7	27.4	27.4
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	114	0.0	59	0.0	1500	114	0	59	0.43	0	66.2	55.1	45.0	28.4	28.4
3-4 AM	96	0.0	48	0.0	1500	96	0	48	0.43	0	66.2	55.2	45.1	28.7	28.7
4-5 AM	114	0.0	59	0.0	1500	114	0	59	0.43	0	66.2	55.1	45.0	28.4	28.4
5-6 AM	191	0.0	98	0.0	1500	191	0	98	0.44	0	66.0	54.9	44.7	27.5	27.5
6-7 AM	357	0.0	182	0.0	1500	357	0	182	0.46	0	65.7	54.3	44.0	25.5	25.5
7-8 AM	528	0.0	270	0.0	1500	528	0	270	0.47	0	65.4	53.8	43.4	23.5	23.5
8-9 AM	749	0.0	383	0.0	1500	749	0	383	0.50	0	65.0	53.1	42.6	20.9	20.9
9-10 AM	947	0.0	484	0.0	1500	947	0	484	0.51	0	64.6	52.5	41.9	18.8	18.8
10-11 AM	1117	0.0	570	0.0	1500	1117	0	570	0.53	0	64.3	52.0	41.3	17.2	17.2
11A-NOON	1170	0.0	597	0.0	1500	1170	0	597	0.60	0	64.2	50.7	39.4	16.7	16.7
NOON-1PM	1170	0.0	597	0.0	1500	1170	0	597	0.60	0	64.2	50.7	39.4	16.7	16.7
1-2 PM	1130	0.0	576	0.0	1500	1130	0	576	0.55	0	64.3	51.7	40.8	17.1	17.1
2-3 PM	1052	0.0	537	0.0	1500	1052	0	537	0.52	0	64.4	52.2	41.5	17.8	17.8
3-4 PM	1063	0.0	542	0.0	1500	1063	0	542	0.53	0	64.4	52.2	41.5	17.7	17.7
4-5 PM	1034	0.0	528	0.0	1500	1034	0	528	0.52	0	64.5	52.2	41.5	18.0	18.0
5-6 PM	925	0.0	472	0.0	1500	925	0	472	0.51	0	64.6	52.5	41.9	19.0	19.0
6-7 PM	829	0.0	423	0.0	1500	829	0	423	0.50	0	64.8	52.8	42.3	19.9	19.9
7-8 PM	678	0.0	347	0.0	1500	678	0	347	0.49	0	65.1	53.3	42.8	21.7	21.7
8-9 PM	516	0.0	264	0.0	1500	516	0	264	0.47	0	65.5	53.8	43.5	23.7	23.7
9-10 PM	425	0.0	217	0.0	1500	425	0	217	0.46	0	65.6	54.2	43.8	24.7	24.7
10-11 PM	310	0.0	157	0.0	1500	310	0	157	0.45	0	65.8	54.5	44.2	26.1	26.1
11PM-MID	241	0.0	124	0.0	1500	241	0	124	0.45	0	66.0	54.8	44.5	26.9	26.9

----- 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	0.0058
MAIN ROUTE WITH WORKS	0.0048
DIVERSION	0.0443

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,984
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: BUS 51, STH 29

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

