

<b>IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: BUS 51, STH 29</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	82	0.0	41	0.0	1500	82	0	41	0.43	0	66.3	55.3	45.1	28.8	28.8
1-2 AM	59	0.0	30	0.0	1500	59	0	30	0.43	0	66.3	55.3	45.3	29.1	29.1
2-3 AM	61	0.0	31	0.0	1500	61	0	31	0.43	0	66.3	55.3	45.3	29.1	29.1
3-4 AM	106	0.0	55	0.0	1500	106	0	55	0.43	0	66.2	55.2	45.1	28.5	28.5
4-5 AM	240	0.0	123	0.0	1500	240	0	123	0.45	0	66.0	54.8	44.5	27.0	27.0
5-6 AM	590	0.0	299	0.0	1500	590	0	299	0.48	0	65.3	53.6	43.2	22.9	22.9
6-7 AM	1017	0.0	517	0.0	1500	1017	0	517	0.52	0	64.5	52.3	41.6	18.2	18.2
7-8 AM	1027	0.0	524	0.0	1500	1027	0	524	0.52	0	64.5	52.2	41.6	18.1	18.1
8-9 AM	906	0.0	463	0.0	1500	906	0	463	0.51	0	64.7	52.6	42.0	19.2	19.2
9-10 AM	966	0.0	492	0.0	1500	966	0	492	0.52	0	64.6	52.4	41.8	18.6	18.6
10-11 AM	1067	0.0	540	0.0	1500	1067	0	540	0.53	0	64.4	52.1	41.4	17.8	17.8
11A-NOON	1140	0.0	575	0.0	1500	1140	0	575	0.56	0	64.3	51.4	40.4	17.1	17.1
NOON-1PM	1193	0.0	602	0.0	1500	1193	0	602	0.63	0	64.1	50.1	38.7	16.6	16.6
1-2 PM	1247	0.0	630	0.0	1500	1247	0	630	0.70	0	64.1	48.9	37.0	16.1	16.1
2-3 PM	1397	0.0	709	0.0	1499	1397	0	709	0.89	0	63.8	45.7	33.1	14.7	14.7
3-4 PM	1576	0.0	802	0.0	1499	1576	0	802+	2.09	31	63.5	33.0	30.8	13.1	13.1
4-5 PM	1585	0.0	809	0.0	1500	1585	0	809+	5.58	125	63.4	18.3	30.8	13.0	13.0
5-6 PM	1346	0.0	684	0.0	1499	1346	0	684	4.50	106	63.9	21.3	32.3	15.2	15.2
6-7 PM	851	0.0	432	0.0	1500	851	0	432	0.51	0	64.8	52.8	42.2	19.7	19.8
7-8 PM	680	0.0	347	0.0	1500	680	0	347	0.49	0	65.1	53.3	42.8	21.7	21.7
8-9 PM	533	0.0	273	0.0	1500	533	0	273	0.47	0	65.4	53.8	43.4	23.4	23.4
9-10 PM	369	0.0	188	0.0	1500	369	0	188	0.46	0	65.7	54.3	44.0	25.4	25.4
10-11 PM	271	0.0	138	0.0	1500	271	0	138	0.45	0	65.9	54.6	44.4	26.6	26.6
11PM-MID	138	0.0	69	0.0	1500	138	0	69	0.44	0	66.1	55.1	45.0	28.2	28.2

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0070
MAIN ROUTE WITH WORKS	0.0058
DIVERSION	0.0540

PIA: Personal Injury Accidents

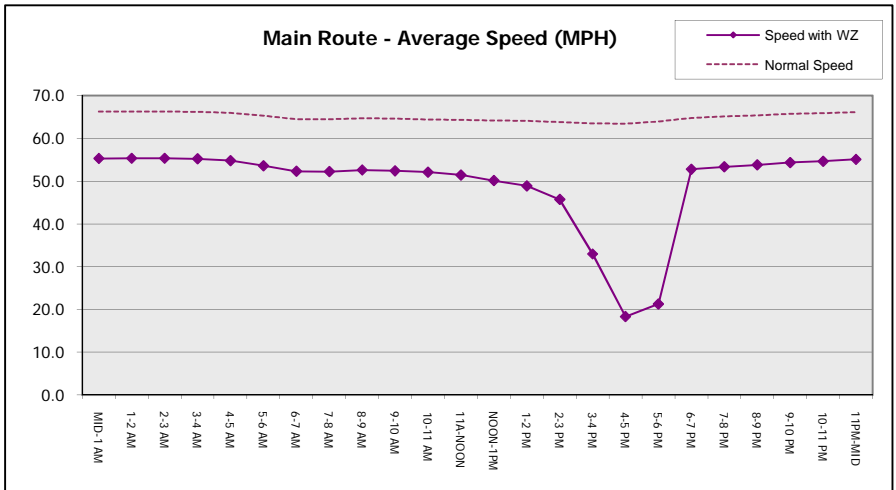
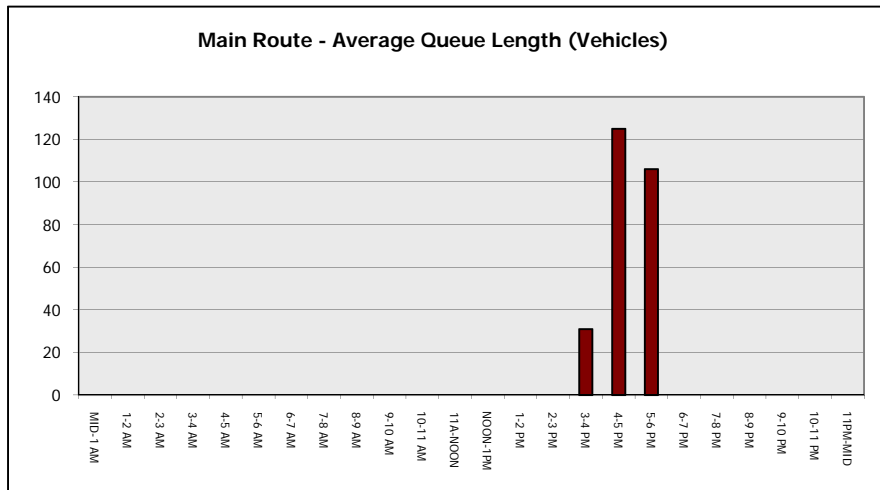
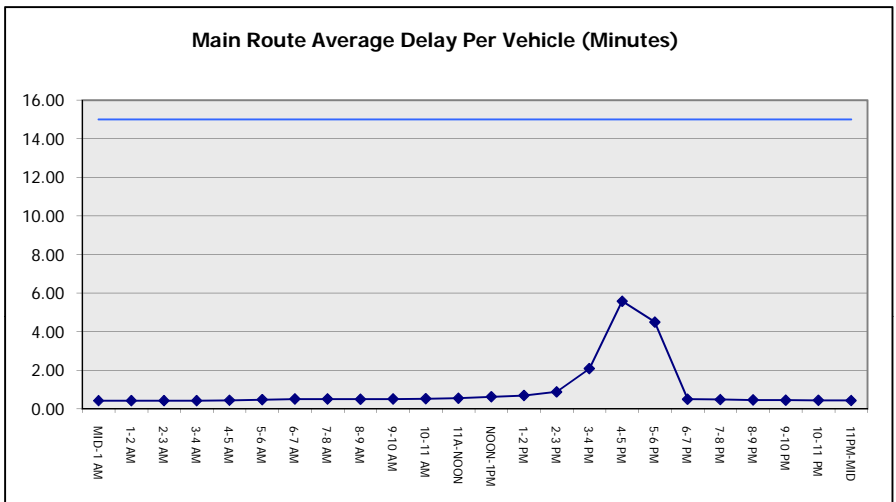
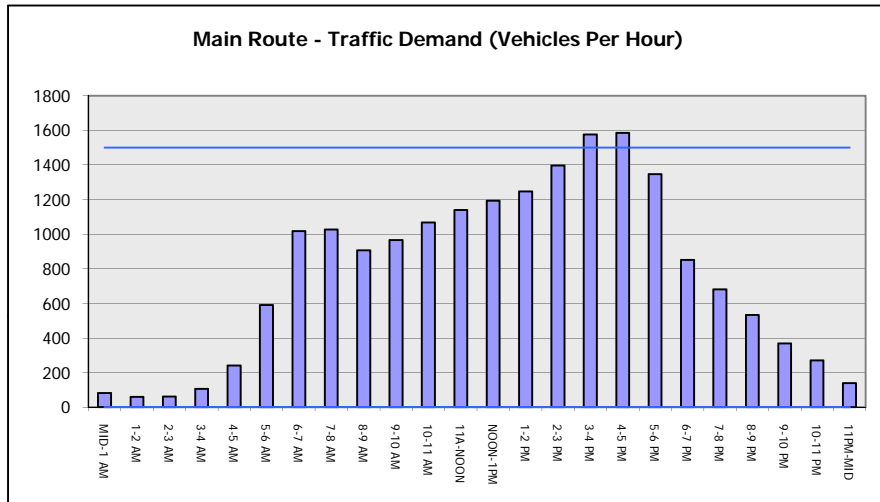
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$5,599
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39: STH 29E TO STH 34/CTH C (MARATHON COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: BUS 51, STH 29**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



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	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR      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	111	0.0	57	0.0	1500	111	0	57	0.43	0	66.2	55.2	45.0	28.5	28.5
1-2 AM	71	0.0	36	0.0	1500	71	0	36	0.43	0	66.3	55.3	45.2	28.9	28.9
2-3 AM	68	0.0	34	0.0	1500	68	0	34	0.43	0	66.3	55.3	45.2	29.0	29.0
3-4 AM	94	0.0	47	0.0	1500	94	0	47	0.43	0	66.2	55.2	45.1	28.7	28.7
4-5 AM	186	0.0	95	0.0	1500	186	0	95	0.44	0	66.0	54.9	44.7	27.6	27.6
5-6 AM	524	0.0	265	0.0	1500	524	0	265	0.47	0	65.4	53.8	43.4	23.6	23.6
6-7 AM	1037	0.0	525	0.0	1500	1037	0	525	0.52	0	64.5	52.2	41.5	18.1	18.1
7-8 AM	1218	0.0	618	0.0	1500	1218	0	618	0.66	0	64.1	49.6	37.9	16.3	16.3
8-9 AM	883	0.0	449	0.0	1500	883	0	449	0.51	0	64.8	52.7	42.1	19.4	19.4
9-10 AM	856	0.0	436	0.0	1500	856	0	436	0.51	0	64.8	52.8	42.2	19.7	19.7
10-11 AM	883	0.0	451	0.0	1500	883	0	451	0.51	0	64.8	52.7	42.1	19.4	19.4
11A-NOON	925	0.0	473	0.0	1500	925	0	473	0.51	0	64.6	52.5	41.9	19.0	19.0
NOON-1PM	953	0.0	487	0.0	1500	953	0	487	0.51	0	64.6	52.5	41.9	18.8	18.8
1-2 PM	1017	0.0	519	0.0	1500	1017	0	519	0.52	0	64.5	52.3	41.6	18.1	18.1
2-3 PM	1124	0.0	572	0.0	1500	1124	0	572	0.54	0	64.3	51.9	41.0	17.2	17.2
3-4 PM	1313	0.0	668	0.0	1500	1313	0	668	0.78	0	64.0	47.4	35.1	15.4	15.4
4-5 PM	1332	0.0	676	0.0	1500	1332	0	676	0.81	0	63.9	47.0	34.7	15.3	15.3
5-6 PM	1170	0.0	594	0.0	1500	1170	0	594	0.60	0	64.2	50.7	39.4	16.8	16.8
6-7 PM	807	0.0	410	0.0	1500	807	0	410	0.50	0	64.9	52.9	42.4	20.2	20.2
7-8 PM	623	0.0	319	0.0	1500	623	0	319	0.48	0	65.2	53.5	43.0	22.4	22.4
8-9 PM	543	0.0	273	0.0	1500	543	0	273	0.48	0	65.4	53.8	43.3	23.4	23.4
9-10 PM	409	0.0	206	0.0	1500	409	0	206	0.46	0	65.6	54.2	43.8	25.0	25.0
10-11 PM	286	0.0	143	0.0	1500	286	0	143	0.45	0	65.8	54.6	44.3	26.5	26.5
11PM-MID	192	0.0	95	0.0	1500	192	0	95	0.44	0	66.0	54.9	44.7	27.6	27.6

*----- 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	0.0063
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0486

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,014
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

