

STH 29: IH 93 TO CTH X (MARATHON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: BUS 51, IH 39	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY WESTBOUND 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	166	0.0	86	0.0	1500	166	0	86	0.44	0	66.1	48.1	44.8	38.3	38.3
1-2 AM	110	0.0	58	0.0	1500	110	0	58	0.43	0	66.2	48.4	45.0	38.4	38.4
2-3 AM	93	0.0	48	0.0	1500	93	0	48	0.43	0	66.2	48.4	45.1	38.4	38.4
3-4 AM	77	0.0	40	0.0	1500	77	0	40	0.43	0	66.3	48.5	45.2	38.4	38.4
4-5 AM	109	0.0	58	0.0	1500	109	0	58	0.43	0	66.2	48.4	45.0	38.4	38.4
5-6 AM	233	0.0	121	0.0	1500	233	0	121	0.45	0	66.0	47.9	44.5	38.3	38.3
6-7 AM	378	0.0	198	0.0	1500	378	0	198	0.46	0	65.7	47.3	44.0	38.1	38.1
7-8 AM	553	0.0	289	0.0	1500	553	0	289	0.48	0	65.3	46.7	43.3	37.9	37.9
8-9 AM	808	0.0	422	0.0	1500	808	0	422	0.50	0	64.9	45.8	42.4	37.6	37.6
9-10 AM	1014	0.0	530	0.0	1500	1014	0	530	0.52	0	64.5	45.1	41.6	37.4	37.4
10-11 AM	1173	0.0	614	0.0	1500	1173	0	614	0.60	0	64.2	42.9	39.3	37.2	37.2
11A-NOON	1209	0.0	632	0.0	1500	1209	0	632	0.65	0	64.1	41.8	38.1	37.2	37.2
NOON-1PM	1167	0.0	610	0.0	1500	1167	0	610	0.59	0	64.2	43.1	39.5	37.2	37.2
1-2 PM	1072	0.0	560	0.0	1500	1072	0	560	0.53	0	64.4	44.9	41.4	37.3	37.3
2-3 PM	1015	0.0	530	0.0	1500	1015	0	530	0.52	0	64.5	45.1	41.6	37.4	37.4
3-4 PM	1019	0.0	533	0.0	1500	1019	0	533	0.52	0	64.5	45.0	41.6	37.4	37.4
4-5 PM	938	0.0	490	0.0	1500	938	0	490	0.51	0	64.6	45.3	41.9	37.4	37.4
5-6 PM	848	0.0	444	0.0	1500	848	0	444	0.50	0	64.8	45.6	42.2	37.6	37.6
6-7 PM	833	0.0	435	0.0	1500	833	0	435	0.50	0	64.8	45.7	42.3	37.6	37.6
7-8 PM	604	0.0	316	0.0	1500	604	0	316	0.48	0	65.3	46.5	43.1	37.8	37.8
8-9 PM	472	0.0	247	0.0	1500	472	0	247	0.47	0	65.5	47.0	43.6	38.0	38.0
9-10 PM	354	0.0	185	0.0	1500	354	0	185	0.46	0	65.7	47.4	44.1	38.1	38.1
10-11 PM	329	0.0	172	0.0	1500	329	0	172	0.45	0	65.8	47.5	44.2	38.1	38.1
11PM-MID	231	0.0	120	0.0	1500	231	0	120	0.44	0	66.0	47.9	44.6	38.3	38.3

----- 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	0.0031
MAIN ROUTE WITH WORKS	0.0021
DIVERSION	0.0682

PIA: Personal Injury Accidents

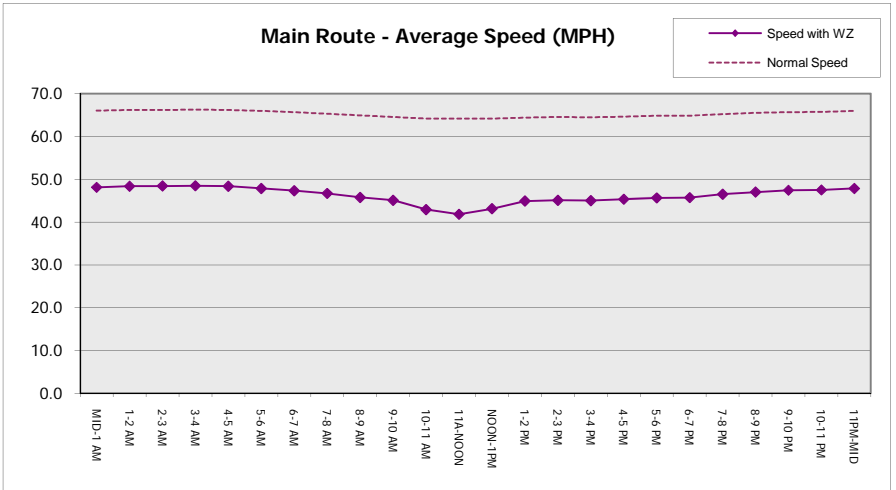
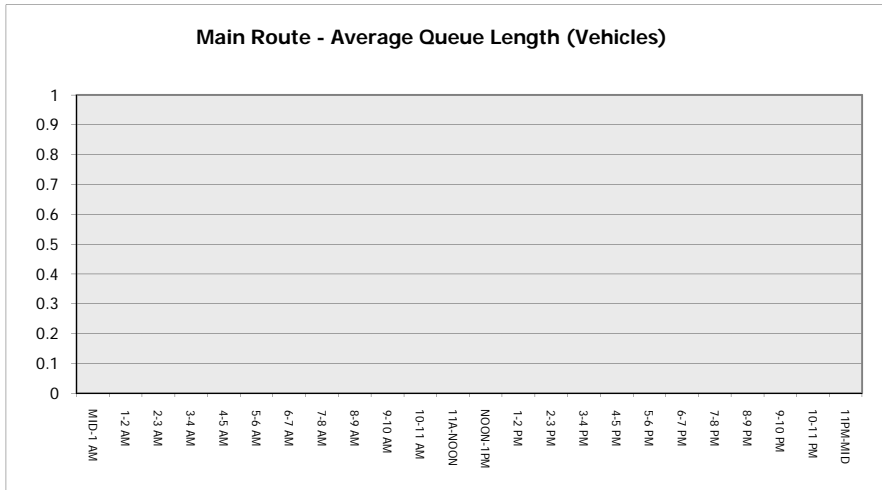
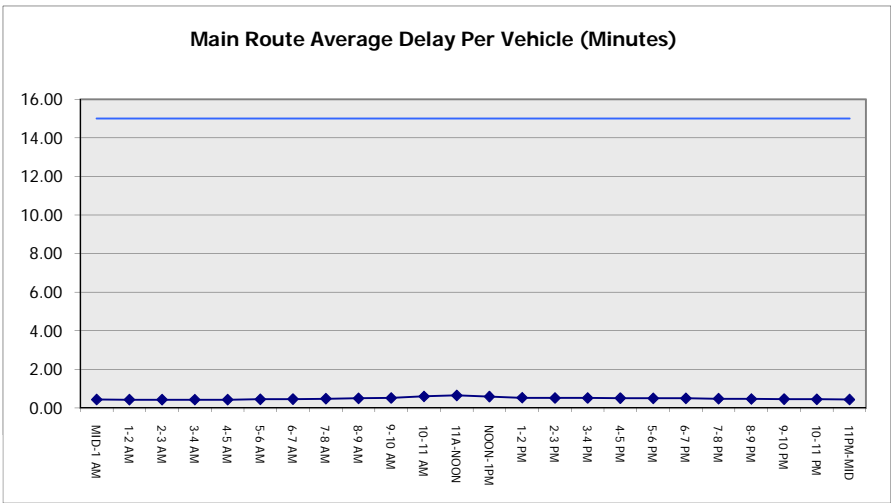
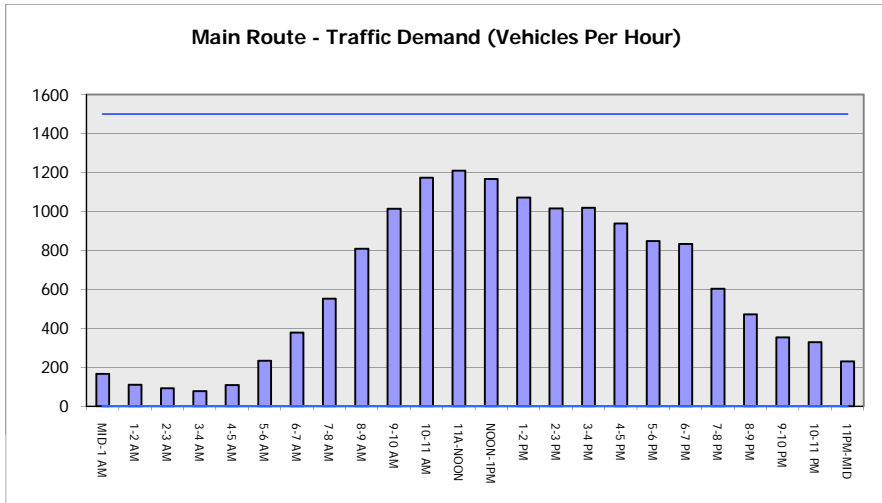
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,980
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**STH 29: IH 93 TO CTH X (MARATHON COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: BUS 51, IH 39**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



STH 29: IH 93 TO CTH X (MARATHON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: BUS 51, IH 39	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND 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	152	0.0	79	0.0	1500	152	0	79	0.44	0	66.1	48.2	44.9	38.2	38.2
1-2 AM	101	0.0	52	0.0	1500	101	0	52	0.43	0	66.2	48.4	45.1	38.3	38.3
2-3 AM	79	0.0	41	0.0	1500	79	0	41	0.43	0	66.3	48.5	45.1	38.3	38.3
3-4 AM	70	0.0	37	0.0	1500	70	0	37	0.43	0	66.3	48.5	45.2	38.4	38.4
4-5 AM	117	0.0	62	0.0	1500	117	0	62	0.43	0	66.1	48.4	45.0	38.3	38.3
5-6 AM	132	0.0	69	0.0	1500	132	0	69	0.44	0	66.1	48.3	45.0	38.2	38.2
6-7 AM	229	0.0	119	0.0	1500	229	0	119	0.44	0	66.0	47.9	44.6	38.0	38.0
7-8 AM	380	0.0	199	0.0	1500	380	0	199	0.46	0	65.7	47.3	44.0	37.7	37.7
8-9 AM	554	0.0	289	0.0	1500	554	0	289	0.48	0	65.3	46.7	43.3	37.3	37.3
9-10 AM	749	0.0	392	0.0	1500	749	0	392	0.50	0	65.0	46.0	42.6	36.9	36.9
10-11 AM	931	0.0	487	0.0	1500	931	0	487	0.51	0	64.6	45.3	41.9	35.9	35.9
11A-NOON	1084	0.0	566	0.0	1500	1084	0	566	0.53	0	64.3	44.8	41.4	34.5	34.5
NOON-1PM	1177	0.0	616	0.0	1500	1177	0	616	0.61	0	64.2	42.8	39.2	33.7	33.7
1-2 PM	1153	0.0	603	0.0	1500	1153	0	603	0.58	0	64.2	43.5	40.0	33.9	33.9
2-3 PM	1188	0.0	621	0.0	1500	1188	0	621	0.62	0	64.1	42.5	38.8	33.6	33.6
3-4 PM	1182	0.0	618	0.0	1500	1182	0	618	0.61	0	64.2	42.7	39.1	33.7	33.7
4-5 PM	1085	0.0	567	0.0	1500	1085	0	567	0.53	0	64.3	44.8	41.4	34.5	34.5
5-6 PM	983	0.0	514	0.0	1500	983	0	514	0.52	0	64.6	45.1	41.7	35.5	35.5
6-7 PM	869	0.0	454	0.0	1500	869	0	454	0.51	0	64.8	45.6	42.2	36.5	36.5
7-8 PM	775	0.0	406	0.0	1500	775	0	406	0.50	0	65.0	45.9	42.5	36.8	36.8
8-9 PM	661	0.0	346	0.0	1500	661	0	346	0.49	0	65.1	46.3	42.9	37.1	37.1
9-10 PM	511	0.0	267	0.0	1500	511	0	267	0.47	0	65.5	46.8	43.5	37.4	37.4
10-11 PM	352	0.0	184	0.0	1500	352	0	184	0.46	0	65.7	47.4	44.1	37.8	37.8
11PM-MID	253	0.0	133	0.0	1500	253	0	133	0.45	0	65.9	47.8	44.5	37.9	37.9

----- 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	0.0031
MAIN ROUTE WITH WORKS	0.0021
DIVERSION	0.0680

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,002
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: BUS 51, IH 39

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

