

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

SUNDAY 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	165	0.0	86	0.0	1500	165	0	86	0.44	0	66.1	48.2	44.8	38.3	38.3
1-2 AM	125	0.0	65	0.0	1500	125	0	65	0.43	0	66.1	48.3	45.0	38.4	38.4
2-3 AM	110	0.0	58	0.0	1500	110	0	58	0.43	0	66.2	48.4	45.0	38.4	38.4
3-4 AM	66	0.0	34	0.0	1500	66	0	34	0.43	0	66.3	48.6	45.2	38.4	38.4
4-5 AM	69	0.0	36	0.0	1500	69	0	36	0.43	0	66.3	48.6	45.2	38.4	38.4
5-6 AM	116	0.0	61	0.0	1500	116	0	61	0.43	0	66.2	48.4	45.0	38.4	38.4
6-7 AM	192	0.0	101	0.0	1500	192	0	101	0.44	0	66.0	48.1	44.7	38.3	38.3
7-8 AM	309	0.0	162	0.0	1500	309	0	162	0.45	0	65.8	47.6	44.3	38.2	38.2
8-9 AM	449	0.0	235	0.0	1500	449	0	235	0.47	0	65.6	47.1	43.7	38.0	38.0
9-10 AM	776	0.0	406	0.0	1500	776	0	406	0.50	0	65.0	45.9	42.5	37.6	37.6
10-11 AM	963	0.0	503	0.0	1500	963	0	503	0.52	0	64.6	45.3	41.8	37.4	37.4
11A-NOON	1069	0.0	559	0.0	1500	1069	0	559	0.53	0	64.4	44.9	41.4	37.3	37.3
NOON-1PM	1137	0.0	595	0.0	1500	1137	0	595	0.56	0	64.3	44.0	40.6	37.3	37.3
1-2 PM	1056	0.0	552	0.0	1500	1056	0	552	0.52	0	64.4	44.9	41.5	37.3	37.3
2-3 PM	1052	0.0	550	0.0	1500	1052	0	550	0.52	0	64.4	45.0	41.5	37.3	37.3
3-4 PM	1111	0.0	581	0.0	1500	1111	0	581	0.53	0	64.3	44.7	41.3	37.3	37.3
4-5 PM	1050	0.0	549	0.0	1500	1050	0	549	0.52	0	64.5	45.0	41.5	37.4	37.4
5-6 PM	1084	0.0	567	0.0	1500	1084	0	567	0.53	0	64.3	44.8	41.4	37.3	37.3
6-7 PM	887	0.0	464	0.0	1500	887	0	464	0.51	0	64.7	45.5	42.1	37.5	37.5
7-8 PM	565	0.0	295	0.0	1500	565	0	295	0.48	0	65.3	46.6	43.3	37.9	37.9
8-9 PM	353	0.0	184	0.0	1500	353	0	184	0.46	0	65.7	47.4	44.1	38.1	38.1
9-10 PM	283	0.0	148	0.0	1500	283	0	148	0.45	0	65.9	47.7	44.3	38.2	38.2
10-11 PM	205	0.0	107	0.0	1500	205	0	107	0.44	0	66.0	48.0	44.6	38.3	38.3
11PM-MID	121	0.0	64	0.0	1500	121	0	64	0.43	0	66.1	48.3	45.0	38.4	38.4

----- 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	0.0028
MAIN ROUTE WITH WORKS	0.0019
DIVERSION	0.0613

PIA: Personal Injury Accidents

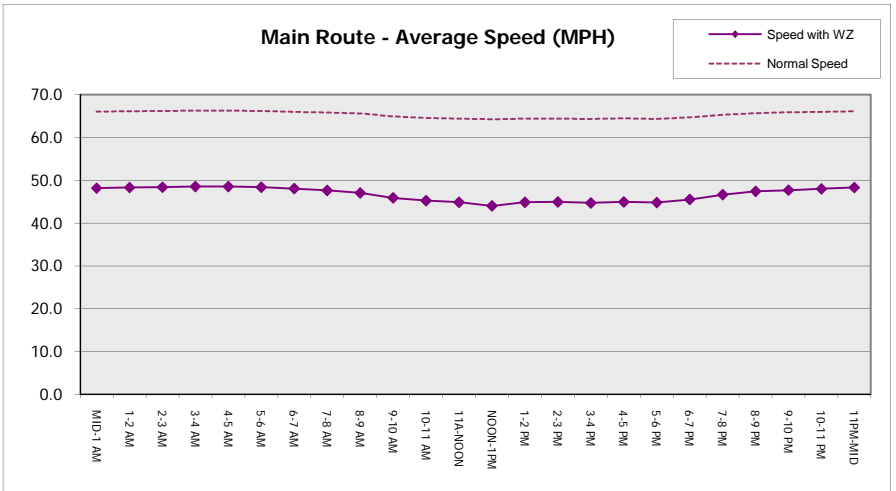
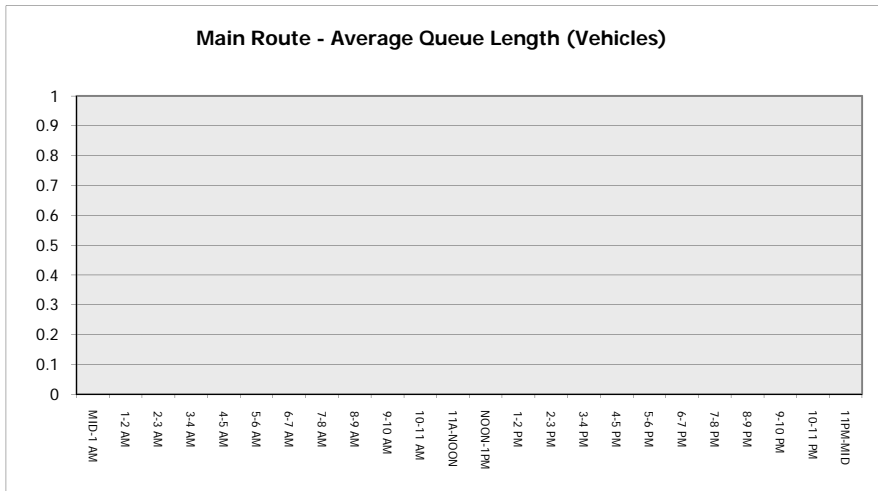
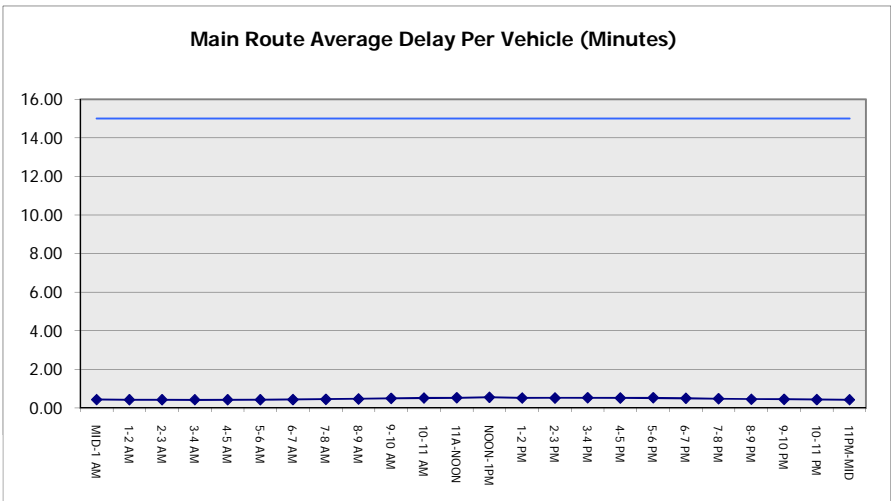
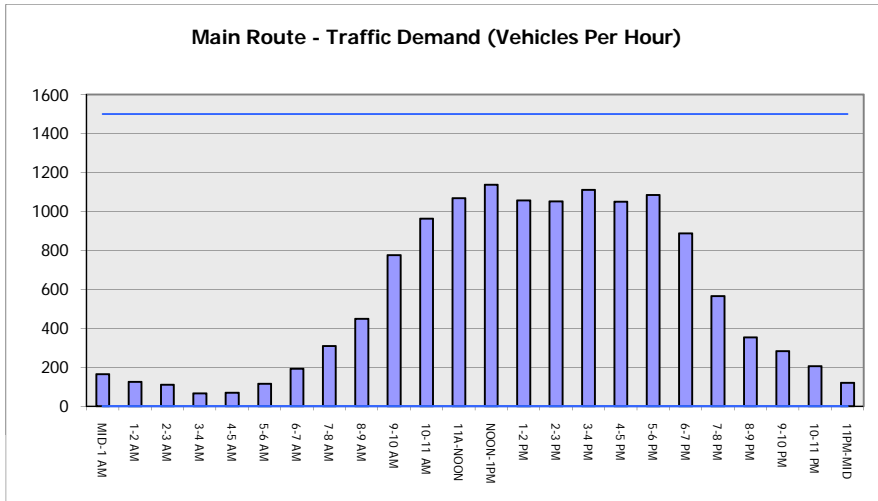
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,756
CONGESTED HOURS PER DAY*	0

*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
SUNDAY WESTBOUND DIRECTION



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

SUNDAY 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	151	0.0	79	0.0	1500	151	0	79	0.44	0	66.1	48.2	44.9	38.2	38.2
1-2 AM	105	0.0	55	0.0	1500	105	0	55	0.43	0	66.2	48.4	45.1	38.3	38.3
2-3 AM	72	0.0	37	0.0	1500	72	0	37	0.43	0	66.3	48.5	45.2	38.4	38.4
3-4 AM	52	0.0	28	0.0	1500	52	0	28	0.43	0	66.3	48.6	45.3	38.4	38.4
4-5 AM	48	0.0	25	0.0	1500	48	0	25	0.43	0	66.3	48.6	45.3	38.4	38.4
5-6 AM	65	0.0	34	0.0	1500	65	0	34	0.43	0	66.3	48.6	45.2	38.4	38.4
6-7 AM	135	0.0	70	0.0	1500	135	0	70	0.44	0	66.1	48.3	45.0	38.2	38.2
7-8 AM	279	0.0	146	0.0	1500	279	0	146	0.45	0	65.9	47.7	44.3	37.9	37.9
8-9 AM	475	0.0	248	0.0	1500	475	0	248	0.47	0	65.5	47.0	43.6	37.4	37.4
9-10 AM	613	0.0	321	0.0	1500	613	0	321	0.48	0	65.3	46.5	43.1	37.1	37.1
10-11 AM	785	0.0	411	0.0	1500	785	0	411	0.50	0	64.9	45.9	42.4	36.8	36.8
11A-NOON	1062	0.0	556	0.0	1500	1062	0	556	0.53	0	64.4	44.9	41.5	34.7	34.7
NOON-1PM	1276	0.0	667	0.0	1500	1276	0	667	0.74	0	64.0	39.9	36.1	32.8	32.8
1-2 PM	1295	0.0	677	0.0	1500	1295	0	677	0.76	0	64.0	39.4	35.6	32.6	32.6
2-3 PM	1279	0.0	669	0.0	1500	1279	0	669	0.74	0	64.0	39.8	36.1	32.7	32.7
3-4 PM	1278	0.0	668	0.0	1500	1278	0	668	0.74	0	64.0	39.9	36.1	32.7	32.7
4-5 PM	1244	0.0	651	0.0	1500	1244	0	651	0.69	0	64.1	40.8	37.1	33.0	33.0
5-6 PM	1056	0.0	552	0.0	1500	1056	0	552	0.52	0	64.4	44.9	41.5	34.8	34.8
6-7 PM	883	0.0	462	0.0	1500	883	0	462	0.51	0	64.8	45.5	42.1	36.3	36.3
7-8 PM	698	0.0	365	0.0	1500	698	0	365	0.49	0	65.1	46.2	42.8	36.9	36.9
8-9 PM	472	0.0	247	0.0	1500	472	0	247	0.47	0	65.5	47.0	43.6	37.4	37.4
9-10 PM	296	0.0	154	0.0	1500	296	0	154	0.45	0	65.8	47.6	44.3	37.9	37.9
10-11 PM	237	0.0	124	0.0	1500	237	0	124	0.45	0	66.0	47.9	44.5	38.0	38.0
11PM-MID	124	0.0	65	0.0	1500	124	0	65	0.43	0	66.1	48.3	45.0	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	0.0029
MAIN ROUTE WITH WORKS	0.0020
DIVERSION	0.0644

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,181
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 DIVERSION ROUTE: BUS 51, IH 39**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

