

USH 51: CTH U TO STH 29 W (MARATHON COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	95	0.0	1500	95	0	0.43	0	66.2	52.9	45.1
1-2 AM	55	0.0	1500	55	0	0.43	0	66.3	53.1	45.3
2-3 AM	41	0.0	1500	41	0	0.43	0	66.3	53.2	45.3
3-4 AM	41	0.0	1500	41	0	0.43	0	66.3	53.2	45.3
4-5 AM	47	0.0	1500	47	0	0.43	0	66.3	53.1	45.3
5-6 AM	86	0.0	1500	86	0	0.43	0	66.2	53.0	45.1
6-7 AM	156	0.0	1500	156	0	0.44	0	66.1	52.7	44.8
7-8 AM	244	0.0	1500	244	0	0.45	0	66.0	52.4	44.5
8-9 AM	408	0.0	1500	408	0	0.46	0	65.6	51.9	43.8
9-10 AM	597	0.0	1500	597	0	0.48	0	65.3	51.2	43.2
10-11 AM	825	0.0	1500	825	0	0.50	0	64.8	50.4	42.3
11AM-NOON	1012	0.0	1500	1012	0	0.52	0	64.5	49.8	41.6
NOON-1PM	1143	0.0	1500	1143	0	0.56	0	64.3	48.8	40.4
1-2 PM	1163	0.0	1500	1163	0	0.59	0	64.2	48.2	39.7
2-3 PM	1064	0.0	1500	1064	0	0.53	0	64.4	49.7	41.5
3-4 PM	1062	0.0	1500	1062	0	0.53	0	64.4	49.7	41.5
4-5 PM	977	0.0	1500	977	0	0.52	0	64.6	49.9	41.7
5-6 PM	818	0.0	1500	818	0	0.50	0	64.8	50.5	42.4
6-7 PM	680	0.0	1500	680	0	0.49	0	65.1	50.9	42.8
7-8 PM	571	0.0	1500	571	0	0.48	0	65.3	51.3	43.2
8-9 PM	401	0.0	1500	401	0	0.46	0	65.6	51.9	43.9
9-10 PM	322	0.0	1500	322	0	0.45	0	65.8	52.2	44.2
10-11 PM	187	0.0	1500	187	0	0.44	0	66.0	52.6	44.7
11PM-MID	112	0.0	1500	112	0	0.43	0	66.2	52.8	45.0

----- SITE BREAKDOWN DELAYS -----

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)

MAIN ROUTE WITHOUT WORKS	0.0037
MAIN ROUTE WITH WORKS	0.0029
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

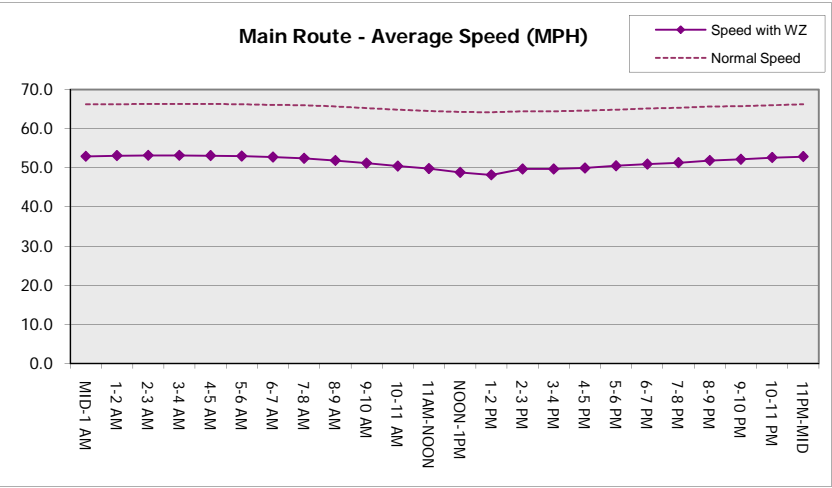
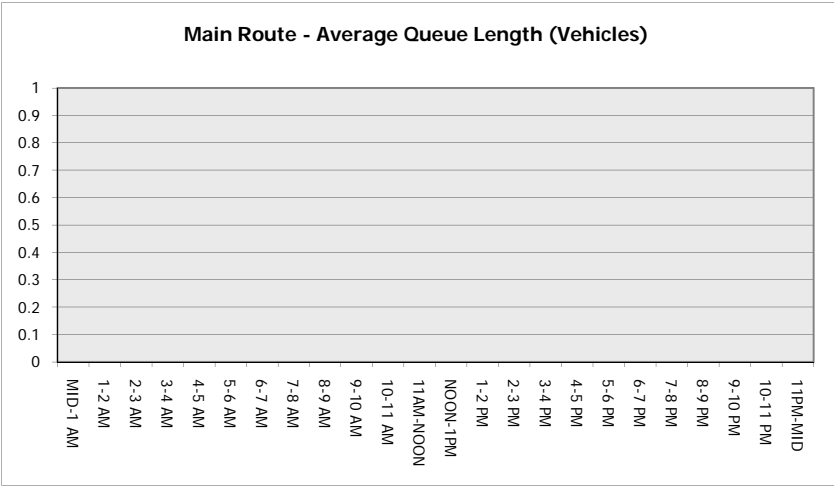
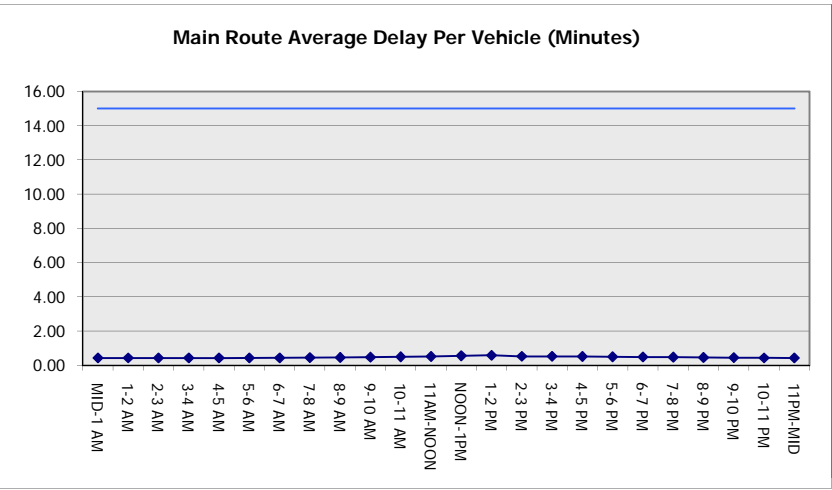
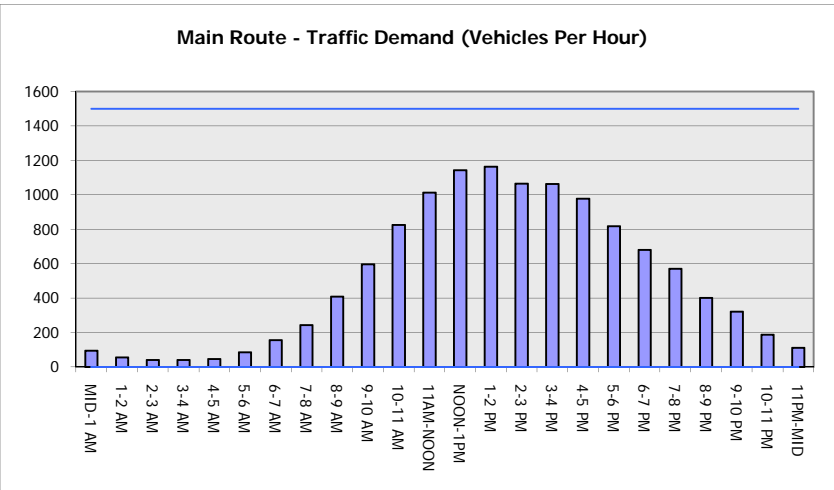
ROAD USER COSTS PER DAY	\$1,589
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	119	0.0	1500	119	0	0.43	0	66.1	52.8	45.0
1-2 AM	63	0.0	1500	63	0	0.43	0	66.3	53.0	45.3
2-3 AM	49	0.0	1500	49	0	0.43	0	66.3	53.1	45.3
3-4 AM	35	0.0	1500	35	0	0.43	0	66.3	53.2	45.3
4-5 AM	34	0.0	1500	34	0	0.43	0	66.3	53.0	45.2
5-6 AM	67	0.0	1500	67	0	0.43	0	66.1	52.8	45.0
6-7 AM	137	0.0	1500	137	0	0.44	0	66.0	52.6	44.7
7-8 AM	194	0.0	1500	194	0	0.44	0	65.8	52.2	44.3
8-9 AM	293	0.0	1500	293	0	0.45	0	65.5	51.6	43.6
9-10 AM	474	0.0	1500	474	0	0.47	0	65.3	51.3	43.2
10-11 AM	573	0.0	1500	573	0	0.48	0	65.1	50.9	42.8
11AM-NOON	689	0.0	1500	689	0	0.49	0	65.0	50.7	42.6
NOON-1PM	747	0.0	1500	747	0	0.49	0	64.9	50.5	42.4
1-2 PM	787	0.0	1500	787	0	0.50	0	65.0	50.6	42.5
2-3 PM	774	0.0	1500	774	0	0.49	0	65.0	50.7	42.7
3-4 PM	732	0.0	1500	732	0	0.49	0	65.0	50.8	42.7
4-5 PM	719	0.0	1500	719	0	0.48	0	65.2	51.0	43.0
5-6 PM	635	0.0	1500	635	0	0.48	0	65.4	51.4	43.3
6-7 PM	543	0.0	1500	543	0	0.47	0	65.5	51.5	43.5
7-8 PM	501	0.0	1500	501	0	0.46	0	65.8	52.2	44.3
8-9 PM	415	0.0	1500	415	0	0.45	0	66.0	52.4	44.5
9-10 PM	298	0.0	1500	298	0	0.45	0	66.1	52.8	44.9
10-11 PM	235	0.0	1500	235	0	0.44	0			
11PM-MID	146	0.0	1500	146	0					

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0028
MAIN ROUTE WITH WORKS	0.0022
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,136
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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