

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY      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	86	0.0	1500	86	0	0.43	0	66.2	53.0	45.1
1-2 AM	50	0.0	1500	50	0	0.43	0	66.3	53.1	45.3
2-3 AM	49	0.0	1500	49	0	0.43	0	66.3	53.1	45.3
3-4 AM	79	0.0	1500	79	0	0.43	0	66.3	53.0	45.1
4-5 AM	158	0.0	1500	158	0	0.44	0	66.1	52.7	44.8
5-6 AM	347	0.0	1500	347	0	0.46	0	65.8	52.0	44.1
6-7 AM	781	0.0	1500	781	0	0.50	0	65.0	50.6	42.5
7-8 AM	811	0.0	1500	811	0	0.50	0	64.9	50.5	42.4
8-9 AM	669	0.0	1500	669	0	0.49	0	65.1	51.0	42.8
9-10 AM	685	0.0	1500	685	0	0.49	0	65.1	50.9	42.8
10-11 AM	783	0.0	1500	783	0	0.50	0	64.9	50.5	42.5
11AM-NOON	833	0.0	1500	833	0	0.50	0	64.8	50.4	42.3
NOON-1PM	880	0.0	1500	880	0	0.51	0	64.8	50.2	42.1
1-2 PM	916	0.0	1500	916	0	0.51	0	64.7	50.1	42.0
2-3 PM	1044	0.0	1500	1044	0	0.52	0	64.5	49.7	41.5
3-4 PM	1200	0.0	1500	1200	0	0.64	0	64.1	47.2	38.4
4-5 PM	1268	0.0	1500	1268	0	0.72	0	64.0	45.5	36.4
5-6 PM	1175	0.0	1500	1175	0	0.60	0	64.2	47.9	39.3
6-7 PM	845	0.0	1500	845	0	0.50	0	64.8	50.4	42.2
7-8 PM	674	0.0	1500	674	0	0.49	0	65.1	50.9	42.8
8-9 PM	566	0.0	1500	566	0	0.48	0	65.3	51.3	43.3
9-10 PM	392	0.0	1500	392	0	0.46	0	65.6	51.9	43.9
10-11 PM	289	0.0	1500	289	0	0.45	0	65.8	52.2	44.3
11PM-MID	173	0.0	1500	173	0	0.44	0	66.1	52.7	44.8

**\*----- 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	0.0045
MAIN ROUTE WITH WORKS	0.0035
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

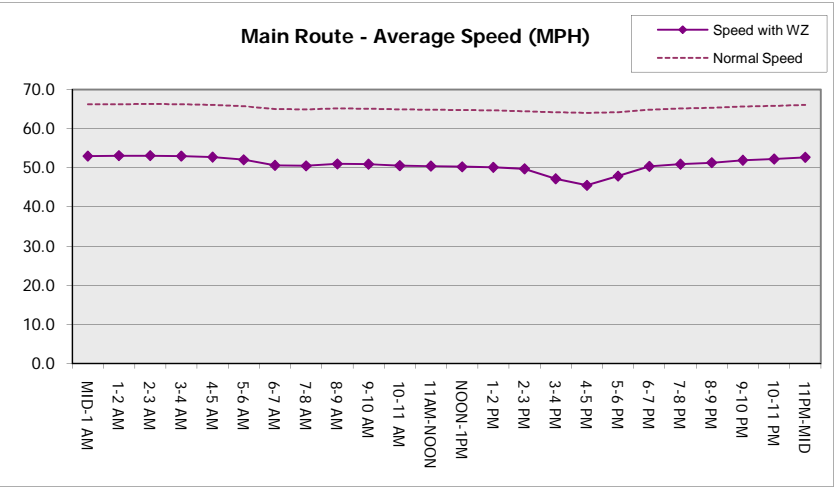
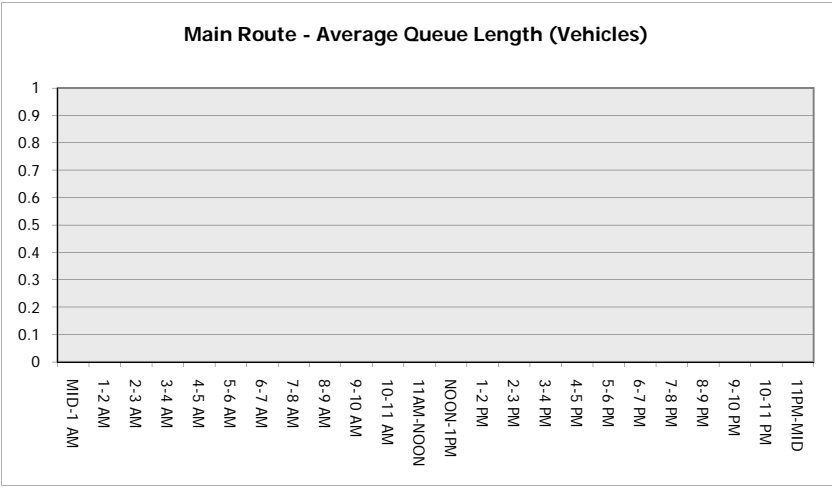
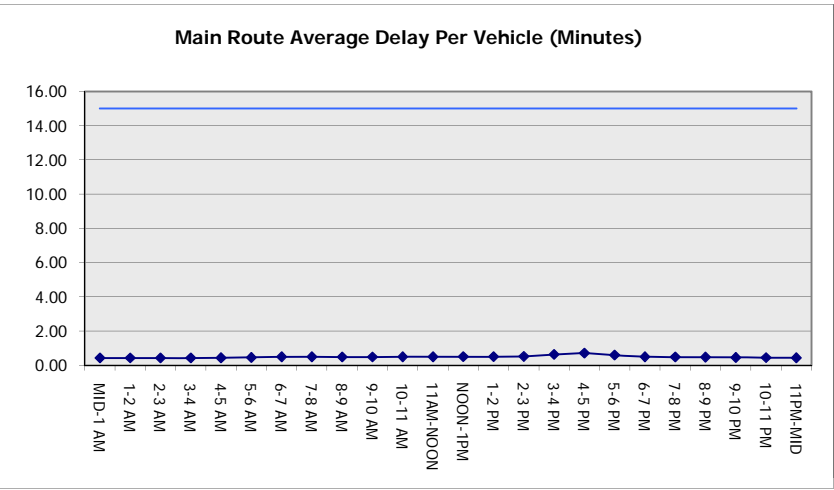
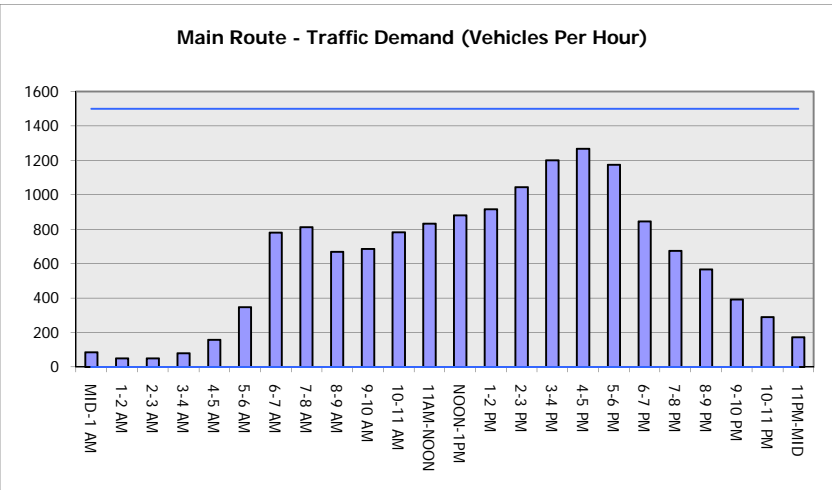
ROAD USER COSTS PER DAY	\$1,775
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



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	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	158	0.0	1500	158	0	0.44	0	66.1	52.7	44.8
1-2 AM	90	0.0	1500	90	0	0.43	0	66.2	53.0	45.1
2-3 AM	74	0.0	1500	74	0	0.43	0	66.3	53.0	45.2
3-4 AM	95	0.0	1500	95	0	0.43	0	66.2	52.9	45.1
4-5 AM	125	0.0	1500	125	0	0.43	0	66.1	52.8	45.0
5-6 AM	359	0.0	1500	359	0	0.46	0	65.7	52.0	44.0
6-7 AM	830	0.0	1500	830	0	0.50	0	64.8	50.4	42.3
7-8 AM	1066	0.0	1500	1066	0	0.53	0	64.4	49.7	41.4
8-9 AM	866	0.0	1500	866	0	0.51	0	64.8	50.3	42.2
9-10 AM	959	0.0	1500	959	0	0.52	0	64.6	50.0	41.8
10-11 AM	1038	0.0	1500	1038	0	0.52	0	64.5	49.7	41.5
11AM-NOON	1094	0.0	1500	1094	0	0.53	0	64.3	49.6	41.4
NOON-1PM	1148	0.0	1500	1148	0	0.57	0	64.3	48.6	40.2
1-2 PM	1295	0.0	1500	1295	0	0.76	0	64.0	44.8	35.6
2-3 PM	1375	0.0	1499	1375	0	0.86	0	63.8	43.0	33.6
3-4 PM	1635	0.0	1499	1635	0	2.93	60	63.3	24.1	30.8
4-5 PM	1605	0.0	1499	1605	0	7.92	188	63.4	12.5	30.8
5-6 PM	1603	0.0	1500	1603	0	11.99	297	63.4	10.1	30.8
6-7 PM	1408	0.0	1499	1408	0	12.39	307	63.8	9.9	30.8
7-8 PM	1262	0.0	1499	1262	0	5.42	141	64.0	16.4	32.4
8-9 PM	1123	0.0	1500	1123	0	0.57	0	64.3	48.7	40.6
9-10 PM	949	0.0	1500	949	0	0.51	0	64.6	50.1	41.9
10-11 PM	676	0.0	1500	676	0	0.49	0	65.1	50.9	42.8
11PM-MID	380	0.0	1500	380	0	0.46	0	65.7	51.9	44.0

*----- 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	0.0064
MAIN ROUTE WITH WORKS	0.0050
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$15,549
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

