

<b>USH 51: CTH U TO STH 29 W (MARATHON COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	107	0.0	1500	107	0	0.43	0	66.2	52.9	45.1
1-2 AM	60	0.0	1500	60	0	0.43	0	66.3	53.1	45.3
2-3 AM	53	0.0	1500	53	0	0.43	0	66.3	53.1	45.3
3-4 AM	78	0.0	1500	78	0	0.43	0	66.3	53.0	45.2
4-5 AM	163	0.0	1500	163	0	0.44	0	66.1	52.7	44.8
5-6 AM	421	0.0	1500	421	0	0.46	0	65.6	51.8	43.8
6-7 AM	632	0.0	1500	632	0	0.48	0	65.2	51.1	43.0
7-8 AM	766	0.0	1500	766	0	0.50	0	65.0	50.6	42.5
8-9 AM	714	0.0	1500	714	0	0.49	0	65.1	50.8	42.7
9-10 AM	793	0.0	1500	793	0	0.50	0	64.9	50.5	42.4
10-11 AM	923	0.0	1500	923	0	0.51	0	64.6	50.1	41.9
11AM-NOON	1009	0.0	1500	1009	0	0.52	0	64.5	49.9	41.7
NOON-1PM	1135	0.0	1500	1135	0	0.55	0	64.3	49.0	40.6
1-2 PM	1124	0.0	1500	1124	0	0.54	0	64.3	49.3	41.0
2-3 PM	1219	0.0	1500	1219	0	0.66	0	64.1	46.8	37.9
3-4 PM	1317	0.0	1500	1317	0	0.79	0	64.0	44.3	35.0
4-5 PM	1372	0.0	1500	1372	0	0.86	0	63.8	43.1	33.7
5-6 PM	1210	0.0	1500	1210	0	0.65	0	64.1	47.0	38.1
6-7 PM	861	0.0	1500	861	0	0.51	0	64.8	50.3	42.2
7-8 PM	649	0.0	1500	649	0	0.49	0	65.2	51.0	43.0
8-9 PM	554	0.0	1500	554	0	0.48	0	65.3	51.4	43.3
9-10 PM	479	0.0	1500	479	0	0.47	0	65.5	51.6	43.6
10-11 PM	346	0.0	1500	346	0	0.46	0	65.8	52.0	44.1
11PM-MID	215	0.0	1500	215	0	0.44	0	66.0	52.5	44.6

*----- 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

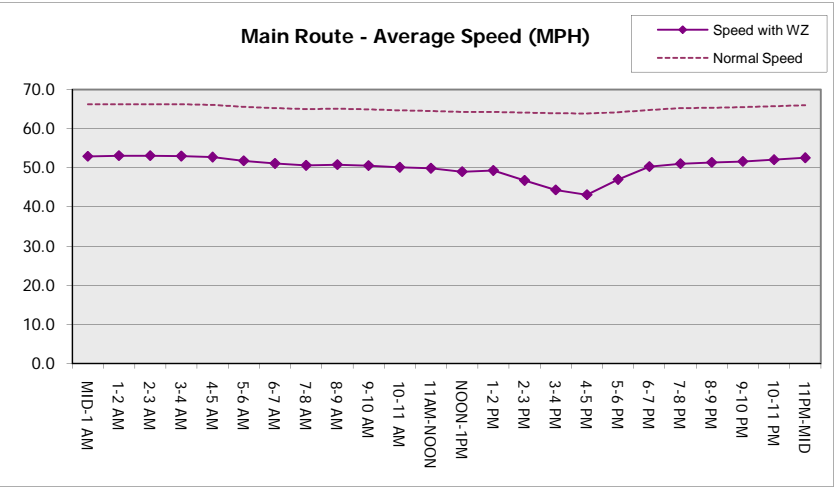
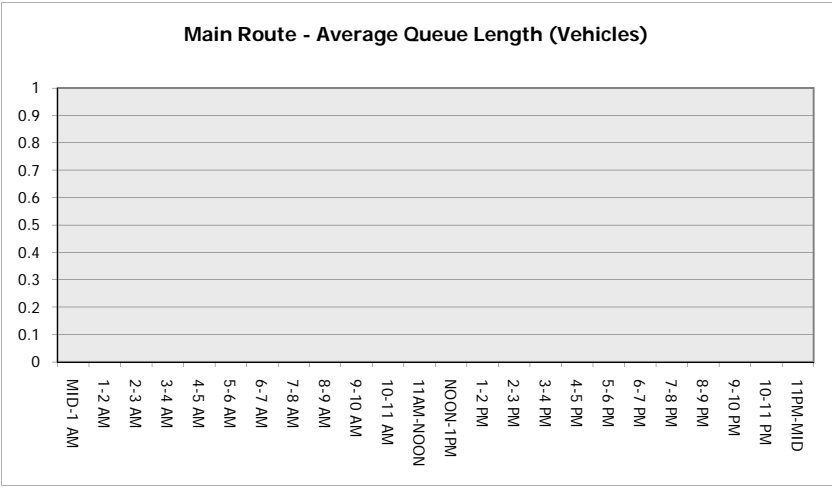
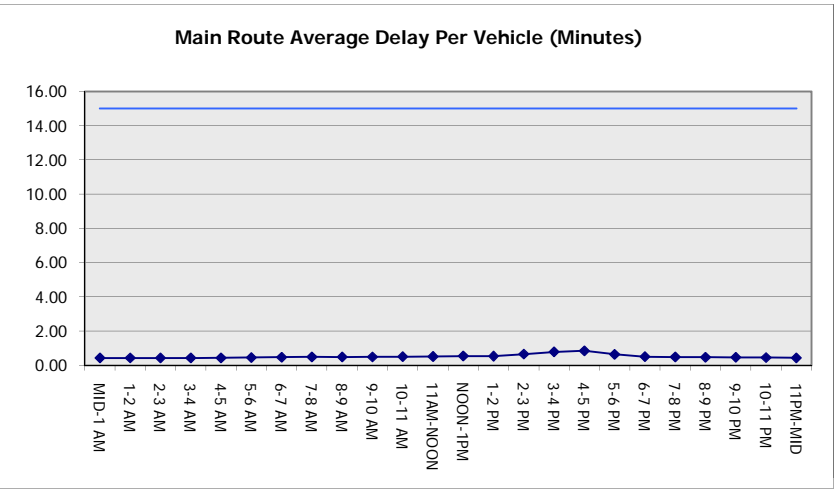
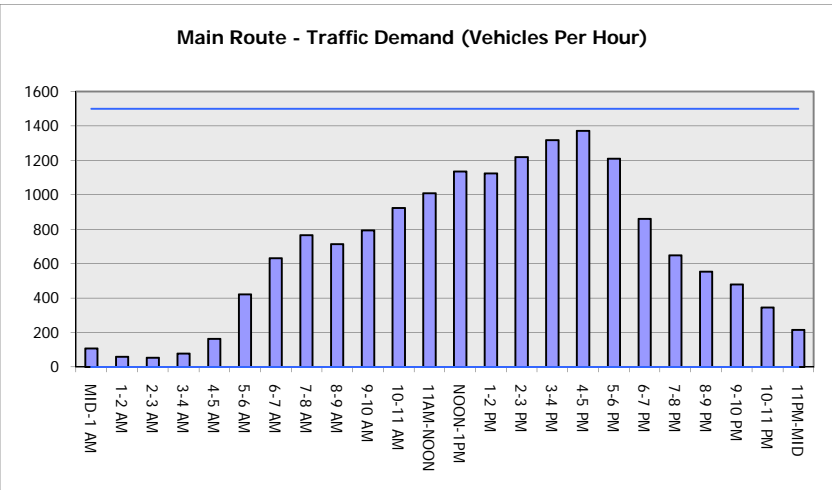
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0049
MAIN ROUTE WITH WORKS	0.0038
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,114
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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



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**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	151	0.0	1500	151	0	0.44	0	66.1	52.7	44.9
1-2 AM	93	0.0	1500	93	0	0.43	0	66.2	53.0	45.1
2-3 AM	77	0.0	1500	77	0	0.43	0	66.3	53.0	45.2
3-4 AM	90	0.0	1500	90	0	0.43	0	66.2	53.0	45.1
4-5 AM	129	0.0	1500	129	0	0.43	0	66.1	52.8	45.0
5-6 AM	347	0.0	1500	347	0	0.46	0	65.8	52.0	44.1
6-7 AM	757	0.0	1500	757	0	0.50	0	65.0	50.7	42.5
7-8 AM	1026	0.0	1500	1026	0	0.52	0	64.5	49.8	41.6
8-9 AM	819	0.0	1500	819	0	0.50	0	64.8	50.5	42.3
9-10 AM	933	0.0	1500	933	0	0.51	0	64.6	50.1	41.9
10-11 AM	1127	0.0	1500	1127	0	0.54	0	64.3	49.2	40.9
11AM-NOON	1232	0.0	1500	1232	0	0.68	0	64.1	46.4	37.4
NOON-1PM	1250	0.0	1500	1250	0	0.70	0	64.1	46.0	36.9
1-2 PM	1350	0.0	1499	1350	0	0.83	0	63.9	43.6	34.2
2-3 PM	1541	0.0	1499	1541	0	1.46	13	63.5	35.0	30.8
3-4 PM	1591	0.0	1500	1591	0	4.01	84	63.4	19.6	30.8
4-5 PM	1631	0.0	1500	1631	0	8.26	198	63.3	12.2	30.8
5-6 PM	1568	0.0	1499	1568	0	12.33	305	63.5	9.9	30.8
6-7 PM	1354	0.0	1499	1354	0	10.89	269	63.8	10.6	30.8
7-8 PM	1210	0.0	1499	1210	0	2.13	66	64.1	29.2	35.8
8-9 PM	1012	0.0	1500	1012	0	0.52	0	64.5	49.8	41.6
9-10 PM	793	0.0	1500	793	0	0.50	0	64.9	50.5	42.4
10-11 PM	524	0.0	1500	524	0	0.47	0	65.4	51.4	43.4
11PM-MID	398	0.0	1500	398	0	0.46	0	65.6	51.9	43.9

*----- 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	\$14,838
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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