

**USH 51: STH 17/64 TO CTH U (MARATHON AND LINCOLN COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH WW - STH 17/64**

OCTOBER
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
MON-THUR SOUTHBOUND 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	18	0.0	2	0.0	1500	18	0	2	0.42	0	66.3	63.7	45.5	44.0	44.0
1-2 AM	18	0.0	2	0.0	1500	18	0	2	0.42	0	66.3	63.7	45.5	44.0	44.0
2-3 AM	36	0.0	4	0.0	1500	36	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
3-4 AM	64	0.0	9	0.0	1500	64	0	9	0.43	0	66.3	63.5	45.2	44.0	44.0
4-5 AM	169	0.0	23	0.0	1500	169	0	23	0.44	0	66.1	63.3	44.8	43.8	43.8
5-6 AM	360	0.0	48	0.0	1500	360	0	48	0.46	0	65.7	62.8	44.0	43.4	43.4
6-7 AM	602	0.0	79	0.0	1500	602	0	79	0.48	0	65.3	62.3	43.1	42.9	42.9
7-8 AM	608	0.0	80	0.0	1500	608	0	80	0.48	0	65.3	62.3	43.1	42.9	42.9
8-9 AM	492	0.0	65	0.0	1500	492	0	65	0.47	0	65.5	62.5	43.5	43.2	43.2
9-10 AM	537	0.0	70	0.0	1500	537	0	70	0.47	0	65.4	62.5	43.3	43.0	43.0
10-11 AM	564	0.0	75	0.0	1500	564	0	75	0.48	0	65.3	62.4	43.3	43.0	43.0
11A-NOON	553	0.0	74	0.0	1500	553	0	74	0.48	0	65.3	62.4	43.3	43.0	43.0
NOON-1PM	537	0.0	71	0.0	1500	537	0	71	0.47	0	65.4	62.5	43.3	43.0	43.0
1-2 PM	564	0.0	75	0.0	1500	564	0	75	0.48	0	65.3	62.4	43.3	43.0	43.0
2-3 PM	540	0.0	71	0.0	1500	540	0	71	0.47	0	65.4	62.4	43.3	43.0	43.0
3-4 PM	560	0.0	75	0.0	1500	560	0	75	0.48	0	65.3	62.4	43.3	43.0	43.0
4-5 PM	514	0.0	68	0.0	1500	514	0	68	0.47	0	65.5	62.5	43.5	43.1	43.1
5-6 PM	392	0.0	52	0.0	1500	392	0	52	0.46	0	65.6	62.8	43.9	43.3	43.3
6-7 PM	263	0.0	35	0.0	1500	263	0	35	0.45	0	65.9	63.1	44.4	43.6	43.6
7-8 PM	159	0.0	21	0.0	1500	159	0	21	0.44	0	66.1	63.3	44.8	43.8	43.8
8-9 PM	124	0.0	16	0.0	1500	124	0	16	0.43	0	66.1	63.4	45.0	43.8	43.8
9-10 PM	108	0.0	14	0.0	1500	108	0	14	0.43	0	66.2	63.4	45.1	43.9	43.9
10-11 PM	55	0.0	8	0.0	1500	55	0	8	0.43	0	66.3	63.5	45.3	44.0	44.0
11PM-MID	29	0.0	4	0.0	1500	29	0	4	0.43	0	66.3	63.6	45.4	44.0	44.0

----- 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	0.0138
MAIN ROUTE WITH WORKS	0.0132
DIVERSION	0.0052

PIA: Personal Injury Accidents

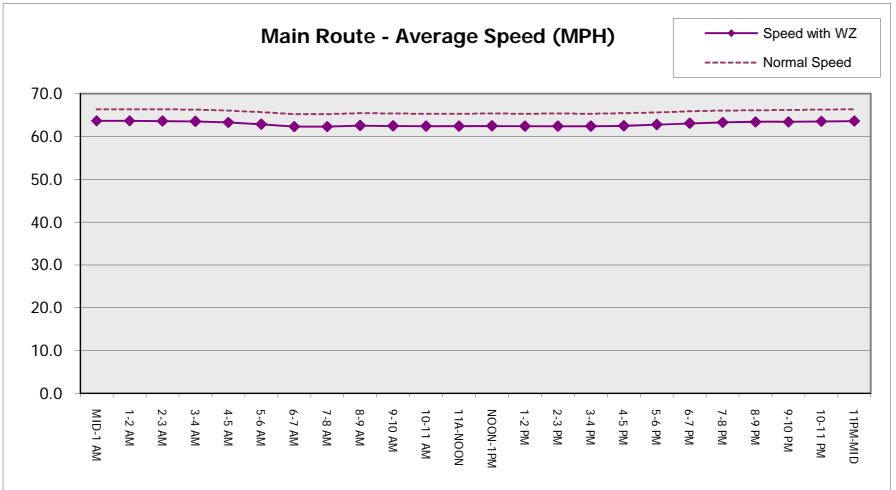
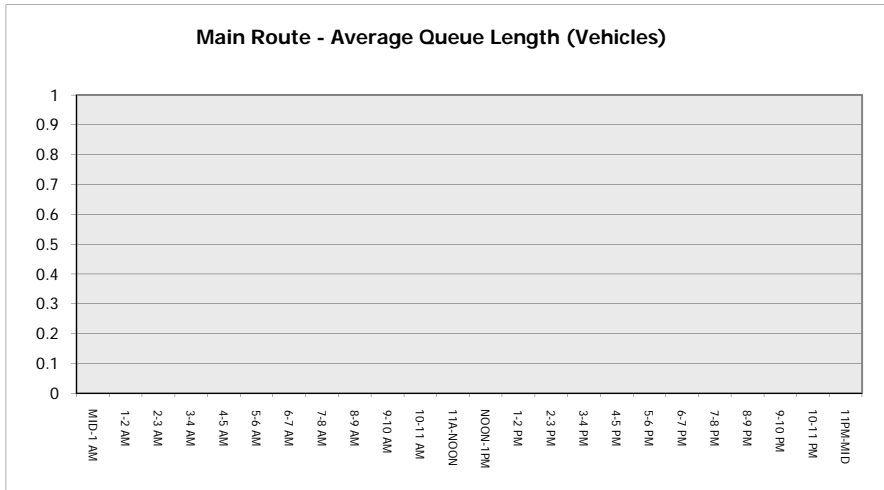
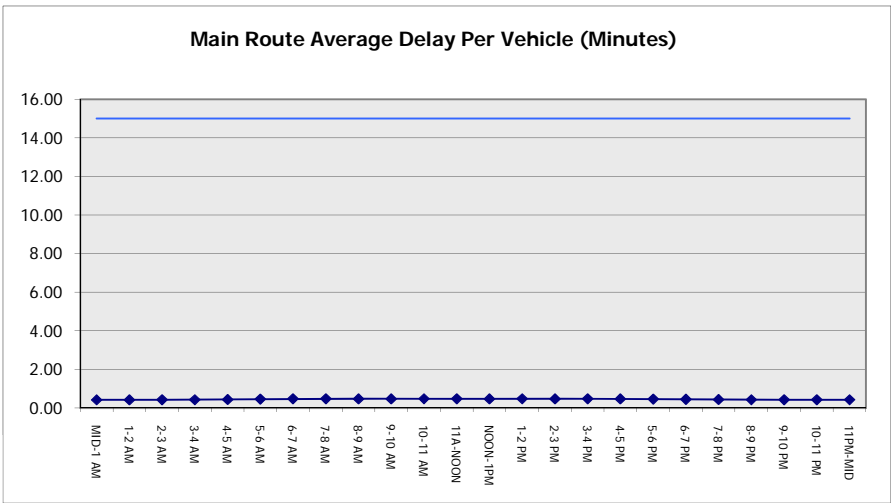
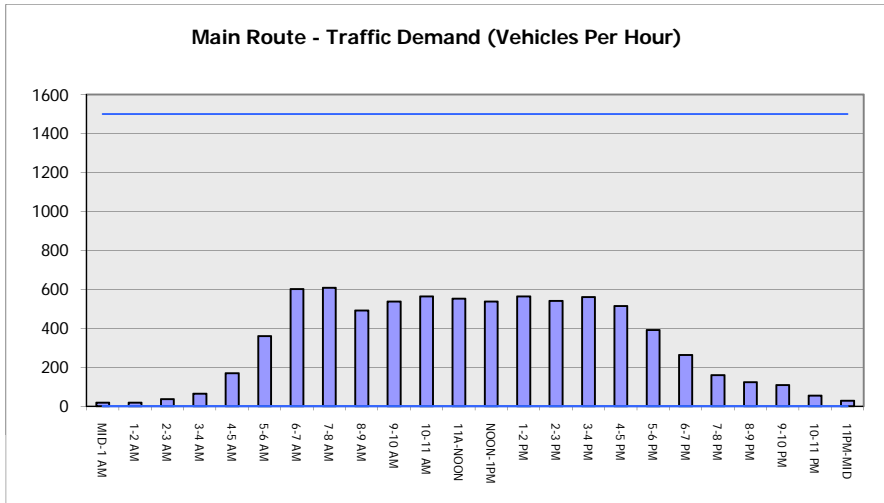
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$731
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH WW - STH 17/64**

OCTOBER
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 51: STH 17/64 TO CTH U (MARATHON AND LINCOLN COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH WW - STH 17/64	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR NORTHBOUND 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	34	0.0	4	0.0	1500	34	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
1-2 AM	29	0.0	4	0.0	1500	29	0	4	0.43	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	28	0.0	3	0.0	1500	28	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	42	0.0	5	0.0	1500	42	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
4-5 AM	73	0.0	10	0.0	1500	73	0	10	0.43	0	66.3	63.5	45.2	44.0	44.0
5-6 AM	159	0.0	21	0.0	1500	159	0	21	0.44	0	66.1	63.3	44.8	43.8	43.8
6-7 AM	372	0.0	49	0.0	1500	372	0	49	0.46	0	65.7	62.8	44.0	43.3	43.3
7-8 AM	415	0.0	54	0.0	1500	415	0	54	0.46	0	65.6	62.7	43.8	43.3	43.3
8-9 AM	398	0.0	52	0.0	1500	398	0	52	0.46	0	65.6	62.8	43.9	43.3	43.3
9-10 AM	410	0.0	54	0.0	1500	410	0	54	0.46	0	65.6	62.7	43.8	43.3	43.3
10-11 AM	446	0.0	58	0.0	1500	446	0	58	0.47	0	65.6	62.7	43.7	43.2	43.2
11A-NOON	460	0.0	61	0.0	1500	460	0	61	0.47	0	65.5	62.6	43.7	43.2	43.2
NOON-1PM	449	0.0	59	0.0	1500	449	0	59	0.47	0	65.6	62.7	43.7	43.2	43.2
1-2 PM	528	0.0	69	0.0	1500	528	0	69	0.47	0	65.4	62.5	43.4	43.1	43.1
2-3 PM	642	0.0	84	0.0	1500	642	0	84	0.48	0	65.2	62.2	43.0	42.8	42.8
3-4 PM	762	0.0	100	0.0	1500	762	0	100	0.50	0	65.0	61.9	42.5	42.6	42.6
4-5 PM	781	0.0	103	0.0	1500	781	0	103	0.50	0	65.0	61.9	42.5	42.6	42.6
5-6 PM	586	0.0	77	0.0	1500	586	0	77	0.48	0	65.3	62.3	43.2	43.0	43.0
6-7 PM	387	0.0	51	0.0	1500	387	0	51	0.46	0	65.6	62.8	44.0	43.3	43.3
7-8 PM	323	0.0	42	0.0	1500	323	0	42	0.45	0	65.8	62.9	44.2	43.5	43.5
8-9 PM	277	0.0	36	0.0	1500	277	0	36	0.45	0	65.9	63.0	44.4	43.6	43.6
9-10 PM	198	0.0	26	0.0	1500	198	0	26	0.44	0	66.0	63.2	44.7	43.7	43.7
10-11 PM	147	0.0	19	0.0	1500	147	0	19	0.44	0	66.1	63.3	44.9	43.8	43.8
11PM-MID	83	0.0	11	0.0	1500	83	0	11	0.43	0	66.3	63.5	45.1	43.9	43.9

----- 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	0.0141
MAIN ROUTE WITH WORKS	0.0135
DIVERSION	0.0053

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$747
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH WW - STH 17/64

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MON-THUR NORTHBOUND DIRECTION

