

**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**  
**SATURDAY 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	27	0.0	3	0.0	1500	27	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
1-2 AM	19	0.0	2	0.0	1500	19	0	2	0.42	0	66.3	63.7	45.4	44.0	44.0
2-3 AM	25	0.0	3	0.0	1500	25	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	34	0.0	4	0.0	1500	34	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
4-5 AM	63	0.0	9	0.0	1500	63	0	9	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	134	0.0	17	0.0	1500	134	0	17	0.44	0	66.1	63.3	45.0	43.8	43.8
6-7 AM	202	0.0	26	0.0	1500	202	0	26	0.44	0	66.0	63.2	44.6	43.7	43.7
7-8 AM	300	0.0	39	0.0	1500	300	0	39	0.45	0	65.8	63.0	44.3	43.5	43.5
8-9 AM	457	0.0	61	0.0	1500	457	0	61	0.47	0	65.5	62.6	43.7	43.2	43.2
9-10 AM	562	0.0	74	0.0	1500	562	0	74	0.48	0	65.3	62.4	43.3	43.0	43.0
10-11 AM	630	0.0	82	0.0	1500	630	0	82	0.48	0	65.2	62.2	43.0	42.8	42.8
11A-NOON	600	0.0	79	0.0	1500	600	0	79	0.48	0	65.3	62.3	43.2	42.9	42.9
NOON-1PM	562	0.0	74	0.0	1500	562	0	74	0.48	0	65.3	62.4	43.3	43.0	43.0
1-2 PM	565	0.0	75	0.0	1500	565	0	75	0.48	0	65.3	62.4	43.3	43.0	43.0
2-3 PM	519	0.0	68	0.0	1500	519	0	68	0.47	0	65.4	62.5	43.4	43.1	43.1
3-4 PM	520	0.0	68	0.0	1500	520	0	68	0.47	0	65.4	62.5	43.4	43.1	43.1
4-5 PM	513	0.0	67	0.0	1500	513	0	67	0.47	0	65.5	62.5	43.5	43.1	43.1
5-6 PM	452	0.0	59	0.0	1500	452	0	59	0.47	0	65.5	62.7	43.7	43.2	43.2
6-7 PM	383	0.0	51	0.0	1500	383	0	51	0.46	0	65.6	62.8	44.0	43.3	43.3
7-8 PM	305	0.0	40	0.0	1500	305	0	40	0.45	0	65.8	63.0	44.3	43.5	43.5
8-9 PM	218	0.0	28	0.0	1500	218	0	28	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 PM	129	0.0	17	0.0	1500	129	0	17	0.43	0	66.1	63.4	45.0	43.8	43.8
10-11 PM	87	0.0	12	0.0	1500	87	0	12	0.43	0	66.2	63.5	45.1	43.9	43.9
11PM-MID	57	0.0	8	0.0	1500	57	0	8	0.43	0	66.3	63.5	45.3	44.0	44.0

**\*----- 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	0.0129
MAIN ROUTE WITH WORKS	0.0124
DIVERSION	0.0049

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

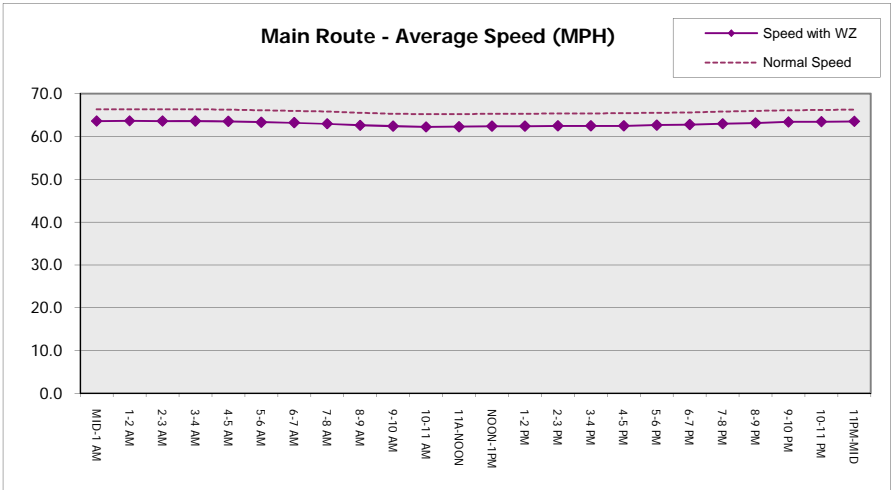
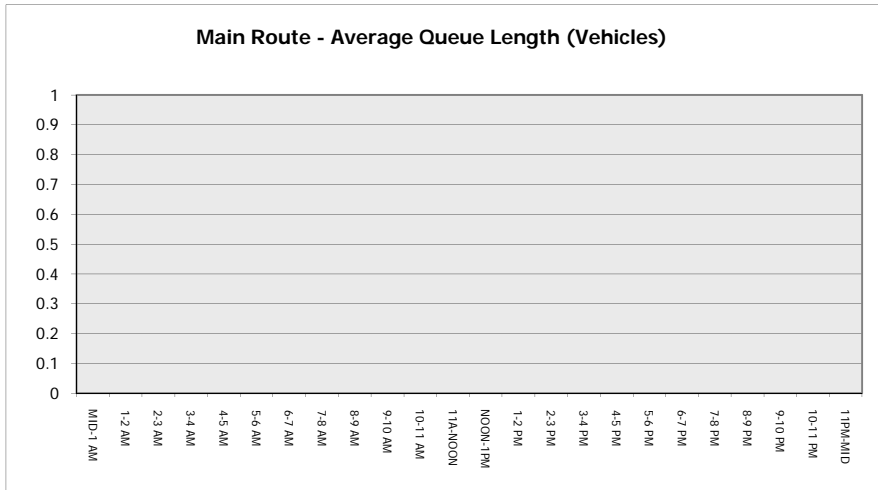
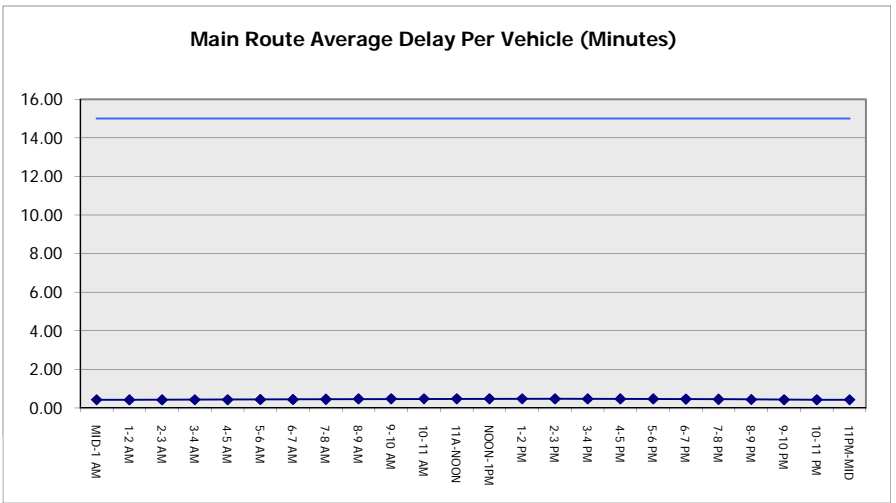
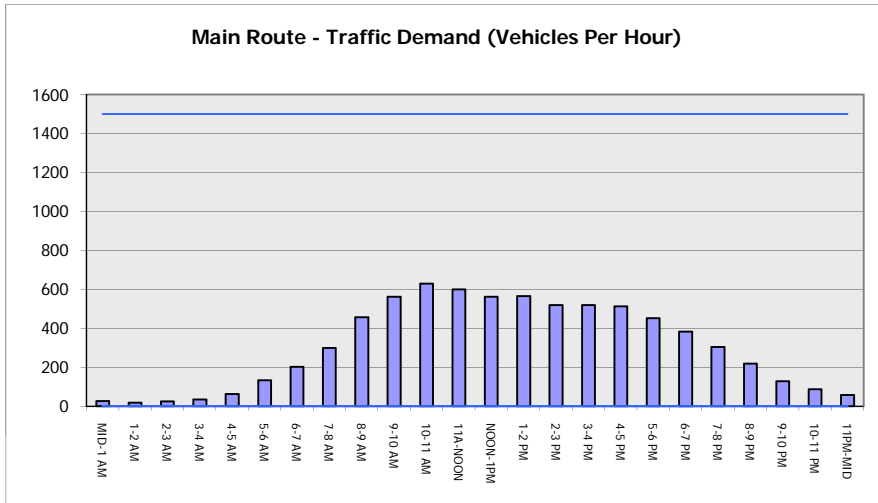
ROAD USER COSTS PER DAY ( DOLLARS)	\$867
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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



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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	93	0.0	12	0.0	1500	93	0	12	0.43	0	66.2	63.5	45.1	43.9	43.9
1-2 AM	51	0.0	6	0.0	1500	51	0	6	0.43	0	66.3	63.6	45.3	44.0	44.0
2-3 AM	37	0.0	4	0.0	1500	37	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
3-4 AM	39	0.0	5	0.0	1500	39	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
4-5 AM	60	0.0	8	0.0	1500	60	0	8	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	101	0.0	13	0.0	1500	101	0	13	0.43	0	66.2	63.5	45.1	43.9	43.9
6-7 AM	206	0.0	27	0.0	1500	206	0	27	0.44	0	66.0	63.2	44.6	43.7	43.7
7-8 AM	368	0.0	49	0.0	1500	368	0	49	0.46	0	65.7	62.8	44.0	43.3	43.3
8-9 AM	523	0.0	69	0.0	1500	523	0	69	0.47	0	65.4	62.5	43.4	43.1	43.1
9-10 AM	641	0.0	84	0.0	1500	641	0	84	0.48	0	65.2	62.2	43.0	42.8	42.8
10-11 AM	685	0.0	90	0.0	1500	685	0	90	0.49	0	65.1	62.1	42.8	42.8	42.8
11A-NOON	659	0.0	87	0.0	1500	659	0	87	0.49	0	65.1	62.2	42.9	42.8	42.8
NOON-1PM	627	0.0	82	0.0	1500	627	0	82	0.48	0	65.2	62.2	43.0	42.8	42.8
1-2 PM	606	0.0	80	0.0	1500	606	0	80	0.48	0	65.3	62.3	43.1	42.9	42.9
2-3 PM	612	0.0	80	0.0	1500	612	0	80	0.48	0	65.3	62.3	43.1	42.9	42.9
3-4 PM	552	0.0	72	0.0	1500	552	0	72	0.48	0	65.3	62.4	43.3	43.0	43.0
4-5 PM	467	0.0	62	0.0	1500	467	0	62	0.47	0	65.5	62.6	43.7	43.2	43.2
5-6 PM	418	0.0	55	0.0	1500	418	0	55	0.46	0	65.6	62.7	43.8	43.3	43.3
6-7 PM	329	0.0	43	0.0	1500	329	0	43	0.45	0	65.8	62.9	44.2	43.5	43.5
7-8 PM	286	0.0	38	0.0	1500	286	0	38	0.45	0	65.8	63.0	44.3	43.5	43.5
8-9 PM	230	0.0	30	0.0	1500	230	0	30	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 PM	185	0.0	24	0.0	1500	185	0	24	0.44	0	66.0	63.3	44.8	43.7	43.7
10-11 PM	139	0.0	18	0.0	1500	139	0	18	0.44	0	66.1	63.3	45.0	43.8	43.8
11PM-MID	90	0.0	12	0.0	1500	90	0	12	0.43	0	66.2	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	0.0140
MAIN ROUTE WITH WORKS	0.0135
DIVERSION	0.0053

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$947
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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 Construction Season

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

