

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

**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		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	32	0.0	4	0.0	1500	32	0	4	0.43	0	66.3	63.6	45.4	44.0	44.0
1-2 AM	27	0.0	3	0.0	1500	27	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	22	0.0	3	0.0	1500	22	0	3	0.42	0	66.3	63.7	45.4	44.0	44.0
3-4 AM	23	0.0	3	0.0	1500	23	0	3	0.42	0	66.3	63.7	45.4	44.0	44.0
4-5 AM	34	0.0	4	0.0	1500	34	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
5-6 AM	76	0.0	10	0.0	1500	76	0	10	0.43	0	66.3	63.5	45.2	44.0	44.0
6-7 AM	131	0.0	17	0.0	1500	131	0	17	0.44	0	66.1	63.4	45.0	43.8	43.8
7-8 AM	218	0.0	28	0.0	1500	218	0	28	0.44	0	66.0	63.2	44.6	43.7	43.7
8-9 AM	407	0.0	53	0.0	1500	407	0	53	0.46	0	65.6	62.7	43.8	43.3	43.3
9-10 AM	636	0.0	83	0.0	1500	636	0	83	0.48	0	65.2	62.2	43.0	42.8	42.8
10-11 AM	822	0.0	108	0.0	1500	822	0	108	0.50	0	64.8	61.8	42.3	42.5	42.5
11A-NOON	979	0.0	129	0.0	1500	979	0	129	0.52	0	64.6	61.5	41.7	42.2	42.2
NOON-1PM	997	0.0	131	0.0	1500	997	0	131	0.52	0	64.5	61.4	41.7	42.2	42.2
1-2 PM	1038	0.0	136	0.0	1500	1038	0	136	0.52	0	64.5	61.3	41.5	42.1	42.1
2-3 PM	1076	0.0	142	0.0	1500	1076	0	142	0.53	0	64.4	61.2	41.4	42.0	42.0
3-4 PM	1033	0.0	136	0.0	1500	1033	0	136	0.52	0	64.5	61.4	41.5	42.1	42.1
4-5 PM	887	0.0	117	0.0	1500	887	0	117	0.51	0	64.7	61.7	42.1	42.4	42.4
5-6 PM	690	0.0	91	0.0	1500	690	0	91	0.49	0	65.1	62.1	42.8	42.7	42.7
6-7 PM	520	0.0	68	0.0	1500	520	0	68	0.47	0	65.4	62.5	43.4	43.1	43.1
7-8 PM	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 PM	278	0.0	37	0.0	1500	278	0	37	0.45	0	65.9	63.0	44.4	43.5	43.5
9-10 PM	177	0.0	23	0.0	1500	177	0	23	0.44	0	66.1	63.3	44.8	43.8	43.8
10-11 PM	108	0.0	14	0.0	1500	108	0	14	0.43	0	66.2	63.4	45.1	43.9	43.9
11PM-MID	48	0.0	6	0.0	1500	48	0	6	0.43	0	66.3	63.6	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	0.0187
MAIN ROUTE WITH WORKS	0.0180
DIVERSION	0.0071

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

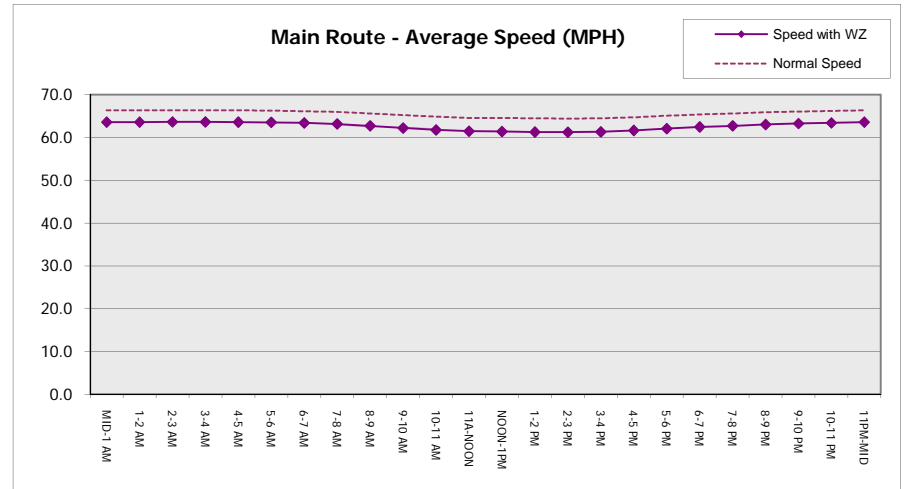
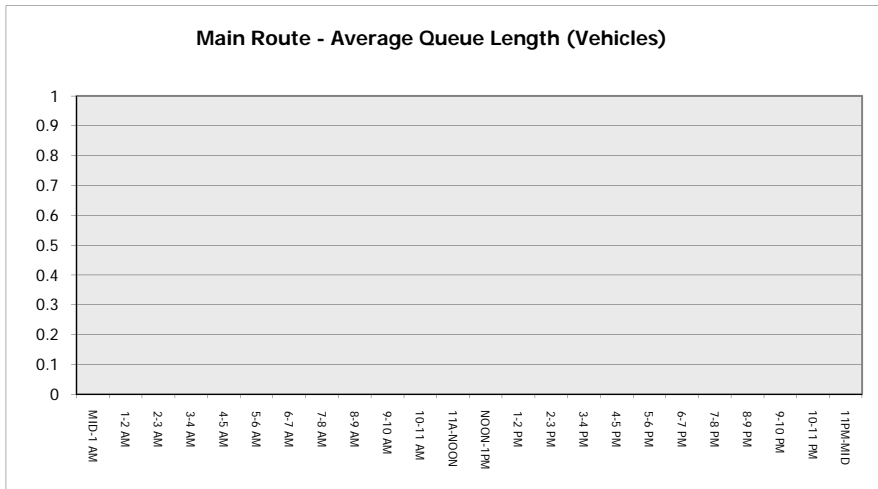
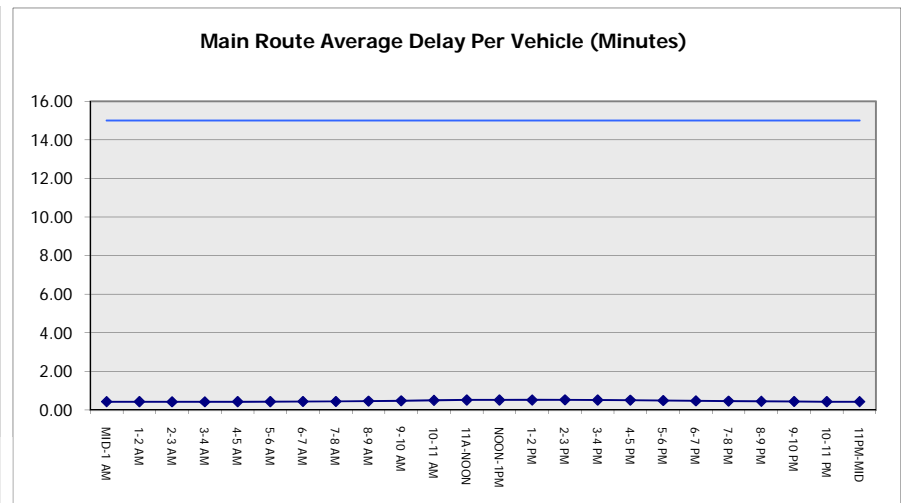
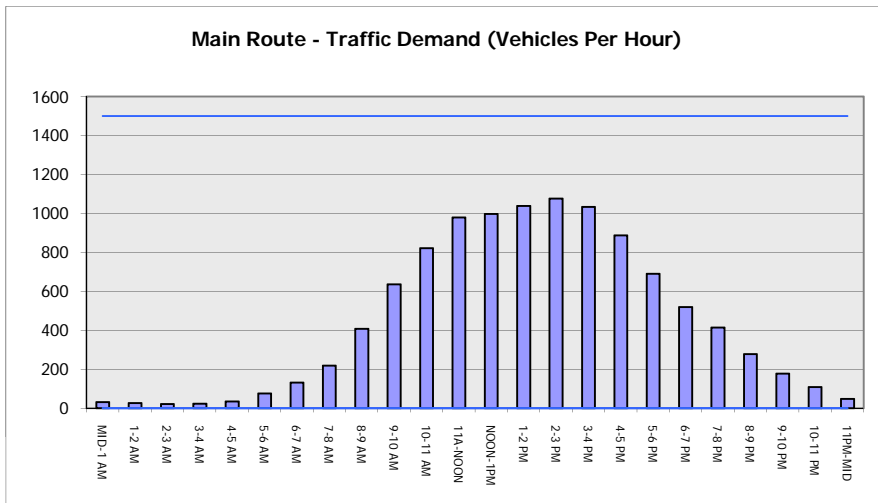
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,371
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY 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>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	50	0.0	6	0.0	1500	50	0	6	0.43	0	66.3	63.6	45.3	44.0	44.0
1-2 AM	28	0.0	3	0.0	1500	28	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	32	0.0	4	0.0	1500	32	0	4	0.43	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	21	0.0	3	0.0	1500	21	0	3	0.42	0	66.3	63.7	45.4	44.0	44.0
4-5 AM	19	0.0	2	0.0	1500	19	0	2	0.42	0	66.3	63.7	45.4	44.0	44.0
5-6 AM	41	0.0	5	0.0	1500	41	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
6-7 AM	85	0.0	11	0.0	1500	85	0	11	0.43	0	66.2	63.5	45.1	43.9	43.9
7-8 AM	122	0.0	16	0.0	1500	122	0	16	0.43	0	66.1	63.4	45.0	43.8	43.8
8-9 AM	217	0.0	28	0.0	1500	217	0	28	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 AM	311	0.0	41	0.0	1500	311	0	41	0.45	0	65.8	63.0	44.2	43.5	43.5
10-11 AM	393	0.0	52	0.0	1500	393	0	52	0.46	0	65.6	62.8	43.9	43.3	43.3
11A-NOON	463	0.0	61	0.0	1500	463	0	61	0.47	0	65.5	62.6	43.7	43.2	43.2
NOON-1PM	489	0.0	64	0.0	1500	489	0	64	0.47	0	65.5	62.5	43.5	43.2	43.2
1-2 PM	499	0.0	66	0.0	1500	499	0	66	0.47	0	65.5	62.5	43.5	43.1	43.1
2-3 PM	538	0.0	70	0.0	1500	538	0	70	0.47	0	65.4	62.5	43.3	43.0	43.0
3-4 PM	521	0.0	68	0.0	1500	521	0	68	0.47	0	65.4	62.5	43.4	43.1	43.1
4-5 PM	503	0.0	66	0.0	1500	503	0	66	0.47	0	65.5	62.5	43.5	43.1	43.1
5-6 PM	472	0.0	62	0.0	1500	472	0	62	0.47	0	65.5	62.6	43.6	43.2	43.2
6-7 PM	412	0.0	54	0.0	1500	412	0	54	0.46	0	65.6	62.7	43.8	43.3	43.3
7-8 PM	309	0.0	41	0.0	1500	309	0	41	0.45	0	65.8	63.0	44.3	43.5	43.5
8-9 PM	235	0.0	31	0.0	1500	235	0	31	0.45	0	66.0	63.2	44.5	43.7	43.7
9-10 PM	170	0.0	23	0.0	1500	170	0	23	0.44	0	66.1	63.3	44.8	43.8	43.8
10-11 PM	121	0.0	16	0.0	1500	121	0	16	0.43	0	66.1	63.4	45.0	43.8	43.8
11PM-MID	51	0.0	6	0.0	1500	51	0	6	0.43	0	66.3	63.6	45.3	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	0.0107
MAIN ROUTE WITH WORKS	0.0103
DIVERSION	0.0040

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$723
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**MAY**  
 Analyzed for 2009  
 Construction Season

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

