

**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**

**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	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	21	0.0	3	0.0	1500	21	0	3	0.42	0	66.3	63.7	45.4	44.0	44.0
3-4 AM	20	0.0	2	0.0	1500	20	0	2	0.42	0	66.3	63.7	45.4	44.0	44.0
4-5 AM	43	0.0	5	0.0	1500	43	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
5-6 AM	87	0.0	12	0.0	1500	87	0	12	0.43	0	66.2	63.5	45.1	43.9	43.9
6-7 AM	136	0.0	18	0.0	1500	136	0	18	0.44	0	66.1	63.3	45.0	43.8	43.8
7-8 AM	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 AM	517	0.0	68	0.0	1500	517	0	68	0.47	0	65.4	62.5	43.5	43.1	43.1
9-10 AM	834	0.0	109	0.0	1500	834	0	109	0.50	0	64.8	61.8	42.3	42.5	42.5
10-11 AM	1212	0.0	159	0.0	1500	1212	0	159	0.65	0	64.1	60.3	38.1	41.7	41.7
11A-NOON	1402	0.0	184	0.0	1500	1402	0	184	0.90	0	63.8	58.7	32.9	41.4	41.4
NOON-1PM	1419	0.0	186	0.0	1500	1419	0	186	0.92	0	63.7	58.6	32.5	41.4	41.4
1-2 PM	1394	0.0	183	0.0	1500	1394	0	183	0.89	0	63.8	58.7	33.1	41.4	41.4
2-3 PM	1263	0.0	166	0.0	1500	1263	0	166	0.72	0	64.0	59.9	36.5	41.7	41.7
3-4 PM	1121	0.0	147	0.0	1500	1121	0	147	0.53	0	64.3	61.1	41.2	41.9	41.9
4-5 PM	935	0.0	123	0.0	1500	935	0	123	0.51	0	64.6	61.5	41.9	42.3	42.3
5-6 PM	735	0.0	96	0.0	1500	735	0	96	0.49	0	65.0	62.0	42.6	42.7	42.7
6-7 PM	563	0.0	74	0.0	1500	563	0	74	0.48	0	65.3	62.4	43.3	43.0	43.0
7-8 PM	367	0.0	49	0.0	1500	367	0	49	0.46	0	65.7	62.8	44.0	43.3	43.3
8-9 PM	222	0.0	29	0.0	1500	222	0	29	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 PM	144	0.0	18	0.0	1500	144	0	18	0.44	0	66.1	63.3	44.9	43.8	43.8
10-11 PM	60	0.0	8	0.0	1500	60	0	8	0.43	0	66.3	63.5	45.3	44.0	44.0
11PM-MID	27	0.0	3	0.0	1500	27	0	3	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 (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	0.0225
MAIN ROUTE WITH WORKS	0.0217
DIVERSION	0.0085

PIA: Personal Injury Accidents

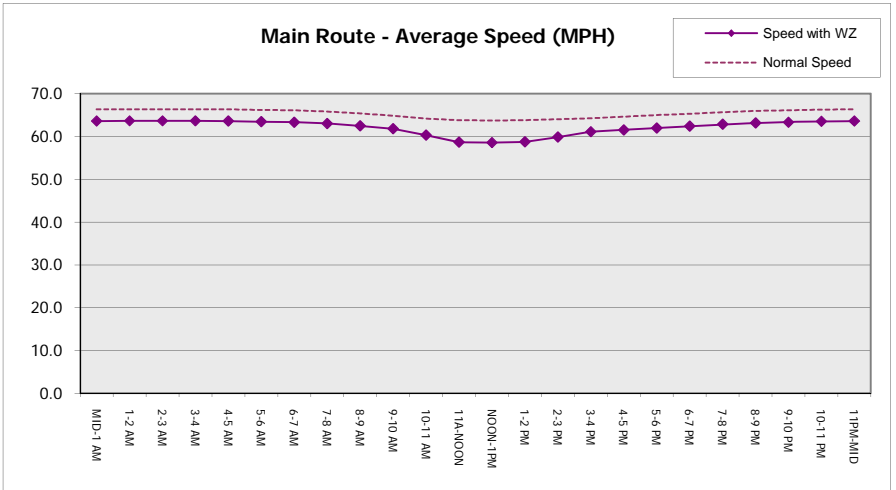
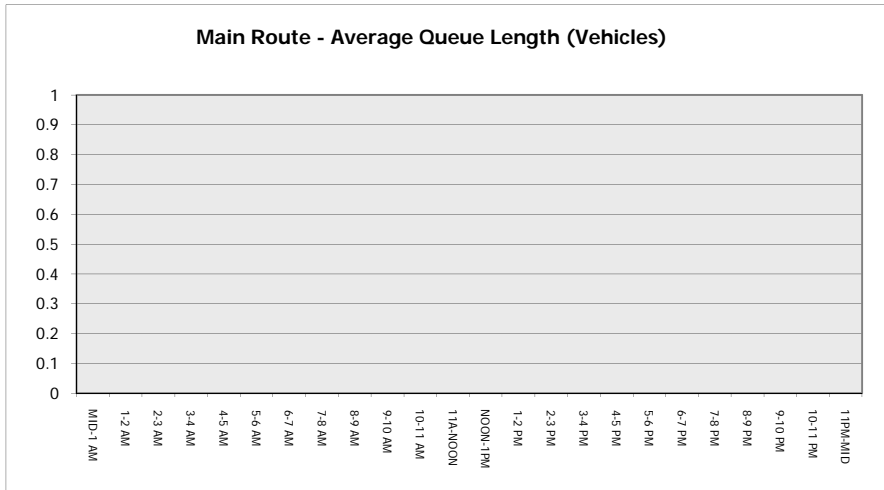
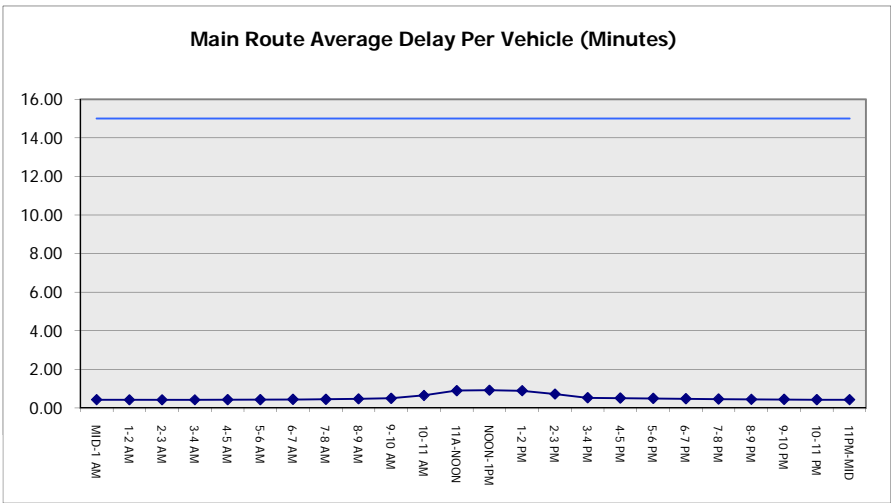
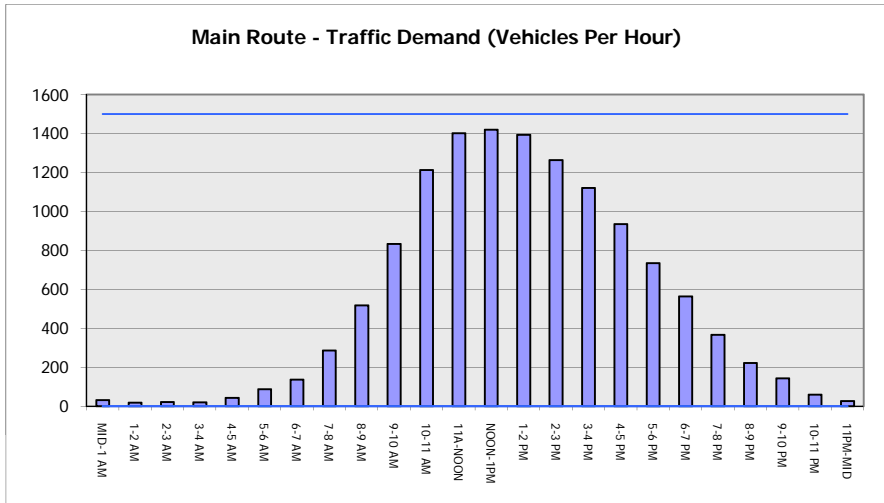
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,233
CONGESTED HOURS PER DAY*	0

\*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**  
**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>OCTOBER</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	57	0.0	8	0.0	1500	57	0	8	0.43	0	66.3	63.5	45.3	44.0	44.0
1-2 AM	42	0.0	5	0.0	1500	42	0	5	0.43	0	66.3	63.6	45.3	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	15	0.0	2	0.0	1500	15	0	2	0.42	0	66.4	63.7	45.5	44.0	44.0
4-5 AM	22	0.0	3	0.0	1500	22	0	3	0.42	0	66.3	63.7	45.4	44.0	44.0
5-6 AM	38	0.0	5	0.0	1500	38	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
6-7 AM	72	0.0	10	0.0	1500	72	0	10	0.43	0	66.3	63.5	45.2	44.0	44.0
7-8 AM	148	0.0	19	0.0	1500	148	0	19	0.44	0	66.1	63.3	44.9	43.8	43.8
8-9 AM	211	0.0	28	0.0	1500	211	0	28	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 AM	290	0.0	38	0.0	1500	290	0	38	0.45	0	65.8	63.0	44.3	43.5	43.5
10-11 AM	397	0.0	52	0.0	1500	397	0	52	0.46	0	65.6	62.8	43.9	43.3	43.3
11A-NOON	451	0.0	59	0.0	1500	451	0	59	0.47	0	65.5	62.7	43.7	43.2	43.2
NOON-1PM	516	0.0	68	0.0	1500	516	0	68	0.47	0	65.5	62.5	43.5	43.1	43.1
1-2 PM	552	0.0	72	0.0	1500	552	0	72	0.48	0	65.3	62.4	43.3	43.0	43.0
2-3 PM	555	0.0	72	0.0	1500	555	0	72	0.48	0	65.3	62.4	43.3	43.0	43.0
3-4 PM	557	0.0	74	0.0	1500	557	0	74	0.48	0	65.3	62.4	43.3	43.0	43.0
4-5 PM	504	0.0	66	0.0	1500	504	0	66	0.47	0	65.5	62.5	43.5	43.1	43.1
5-6 PM	451	0.0	59	0.0	1500	451	0	59	0.47	0	65.5	62.7	43.7	43.2	43.2
6-7 PM	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 PM	260	0.0	35	0.0	1500	260	0	35	0.45	0	65.9	63.1	44.5	43.6	43.6
8-9 PM	214	0.0	28	0.0	1500	214	0	28	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 PM	134	0.0	17	0.0	1500	134	0	17	0.44	0	66.1	63.3	45.0	43.8	43.8
10-11 PM	83	0.0	11	0.0	1500	83	0	11	0.43	0	66.3	63.5	45.1	43.9	43.9
11PM-MID	44	0.0	5	0.0	1500	44	0	5	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	0.0105
MAIN ROUTE WITH WORKS	0.0101
DIVERSION	0.0040

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$730
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**  
**SUNDAY NORTHBOUND DIRECTION**

