

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

AUGUST

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	46	0.0	5	0.0	1500	46	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
1-2 AM	34	0.0	4	0.0	1500	34	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
2-3 AM	26	0.0	3	0.0	1500	26	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	22	0.0	3	0.0	1500	22	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	71	0.0	10	0.0	1500	71	0	10	0.43	0	66.3	63.5	45.2	44.0	44.0
6-7 AM	130	0.0	17	0.0	1500	130	0	17	0.44	0	66.1	63.4	45.0	43.8	43.8
7-8 AM	255	0.0	33	0.0	1500	255	0	33	0.45	0	65.9	63.1	44.5	43.6	43.6
8-9 AM	465	0.0	61	0.0	1500	465	0	61	0.47	0	65.5	62.6	43.7	43.2	43.2
9-10 AM	799	0.0	105	0.0	1500	799	0	105	0.50	0	64.9	61.9	42.4	42.5	42.5
10-11 AM	1190	0.0	157	0.0	1499	1190	0	157	0.63	0	64.1	60.4	38.7	41.8	41.8
11A-NOON	1503	0.0	198	0.0	1499	1503	0	198	1.24	7	63.6	56.8	31.3	41.2	41.2
NOON-1PM	1623	0.0	213	0.0	1500	1623	0	213	4.08	85	63.3	45.5	30.8	40.9	40.9
1-2 PM	1652	0.0	217	0.0	1500	1613	40	257	9.07	220	63.3	33.8	30.8	40.9	40.3
2-3 PM	1628	0.0	214	0.0	1499	1494	134	348	10.68	261	63.3	31.3	30.8	40.9	38.9
3-4 PM	1569	0.0	206	0.0	1499	1486	83	289	10.24	249	63.5	32.0	30.8	41.0	39.8
4-5 PM	1544	0.0	203	0.0	1500	1488	56	259	10.01	242	63.5	32.4	30.8	41.1	40.3
5-6 PM	1259	0.0	165	0.0	1499	1259	0	165	5.34	131	64.0	42.2	33.2	41.7	41.7
6-7 PM	936	0.0	123	0.0	1500	936	0	123	0.51	0	64.6	61.5	41.9	42.3	42.3
7-8 PM	727	0.0	95	0.0	1500	727	0	95	0.49	0	65.0	62.0	42.7	42.7	42.7
8-9 PM	503	0.0	66	0.0	1500	503	0	66	0.47	0	65.5	62.5	43.5	43.1	43.1
9-10 PM	309	0.0	41	0.0	1500	309	0	41	0.45	0	65.8	63.0	44.3	43.5	43.5
10-11 PM	157	0.0	21	0.0	1500	157	0	21	0.44	0	66.1	63.3	44.8	43.8	43.8
11PM-MID	68	0.0	9	0.0	1500	68	0	9	0.43	0	66.3	63.5	45.2	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	0.0290
MAIN ROUTE WITH WORKS	0.0274
DIVERSION	0.0126

PIA: Personal Injury Accidents

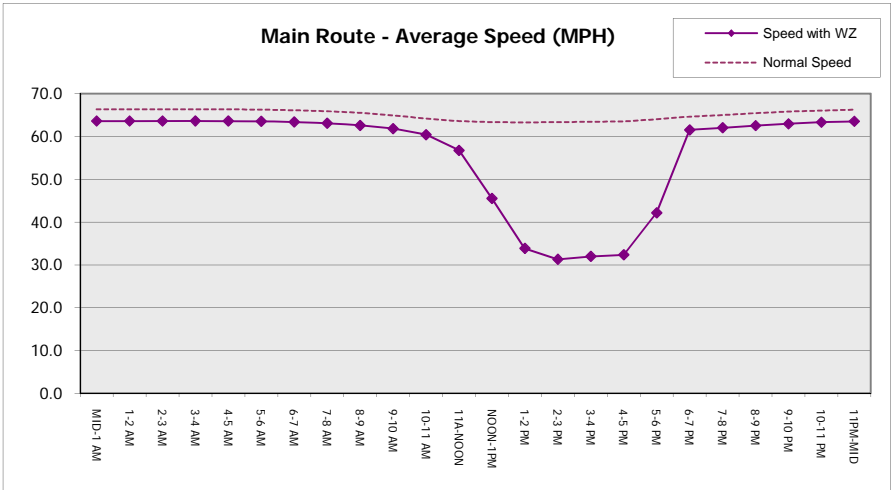
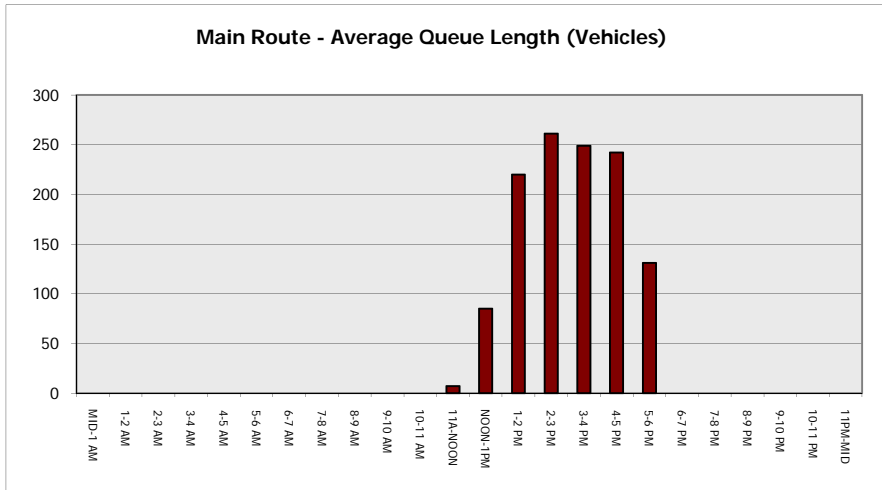
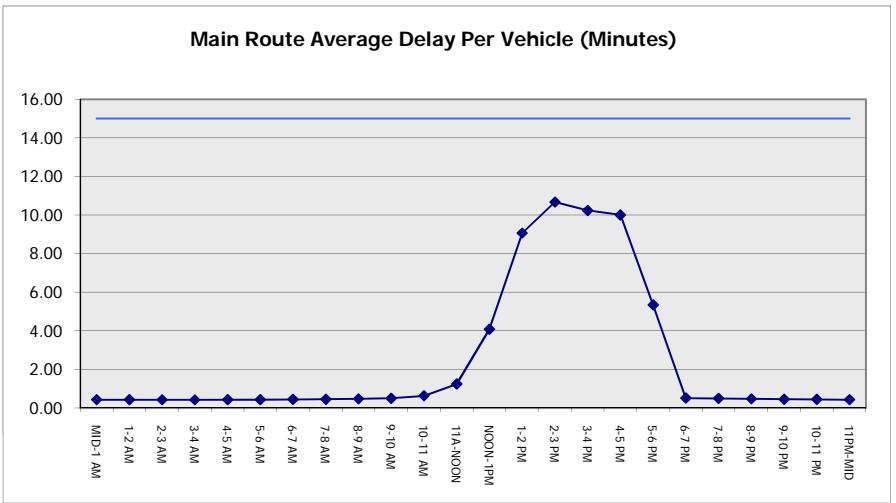
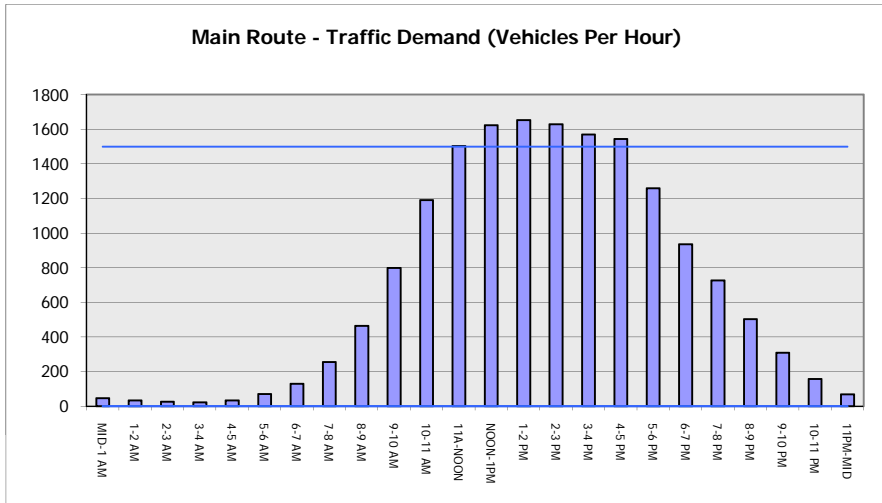
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$23,145
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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	AUGUST
	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	72	0.0	10	0.0	1500	72	0	10	0.43	0	66.3	63.5	45.2	44.0	44.0
1-2 AM	34	0.0	4	0.0	1500	34	0	4	0.43	0	66.3	63.6	45.3	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	24	0.0	3	0.0	1500	24	0	3	0.42	0	66.3	63.6	45.4	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	39	0.0	5	0.0	1500	39	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
6-7 AM	75	0.0	10	0.0	1500	75	0	10	0.43	0	66.3	63.5	45.2	44.0	44.0
7-8 AM	126	0.0	16	0.0	1500	126	0	16	0.43	0	66.1	63.4	45.0	43.8	43.8
8-9 AM	216	0.0	28	0.0	1500	216	0	28	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 AM	335	0.0	44	0.0	1500	335	0	44	0.45	0	65.8	62.9	44.2	43.4	43.4
10-11 AM	517	0.0	68	0.0	1500	517	0	68	0.47	0	65.4	62.5	43.5	43.1	43.1
11A-NOON	638	0.0	84	0.0	1500	638	0	84	0.48	0	65.2	62.2	43.0	42.8	42.8
NOON-1PM	712	0.0	94	0.0	1500	712	0	94	0.49	0	65.1	62.0	42.7	42.7	42.7
1-2 PM	756	0.0	99	0.0	1500	756	0	99	0.50	0	65.0	62.0	42.5	42.6	42.6
2-3 PM	753	0.0	98	0.0	1500	753	0	98	0.50	0	65.0	62.0	42.5	42.7	42.7
3-4 PM	741	0.0	97	0.0	1500	741	0	97	0.49	0	65.0	62.0	42.6	42.7	42.7
4-5 PM	681	0.0	90	0.0	1500	681	0	90	0.49	0	65.1	62.1	42.8	42.8	42.8
5-6 PM	573	0.0	76	0.0	1500	573	0	76	0.48	0	65.3	62.3	43.2	43.0	43.0
6-7 PM	501	0.0	66	0.0	1500	501	0	66	0.47	0	65.5	62.5	43.5	43.1	43.1
7-8 PM	411	0.0	54	0.0	1500	411	0	54	0.46	0	65.6	62.7	43.8	43.3	43.3
8-9 PM	312	0.0	41	0.0	1500	312	0	41	0.45	0	65.8	63.0	44.2	43.5	43.5
9-10 PM	220	0.0	29	0.0	1500	220	0	29	0.44	0	66.0	63.2	44.6	43.7	43.7
10-11 PM	157	0.0	21	0.0	1500	157	0	21	0.44	0	66.1	63.3	44.8	43.8	43.8
11PM-MID	94	0.0	12	0.0	1500	94	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	0.0141
MAIN ROUTE WITH WORKS	0.0135
DIVERSION	0.0053

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,079
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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SUNDAY NORTHBOUND DIRECTION

