

**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
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	43	0.0	5	0.0	1500	43	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
1-2 AM	23	0.0	3	0.0	1500	23	0	3	0.42	0	66.3	63.7	45.4	44.0	44.0
2-3 AM	29	0.0	4	0.0	1500	29	0	4	0.43	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	29	0.0	4	0.0	1500	29	0	4	0.43	0	66.3	63.6	45.4	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	116	0.0	15	0.0	1500	116	0	15	0.43	0	66.2	63.4	45.0	43.8	43.8
6-7 AM	208	0.0	27	0.0	1500	208	0	27	0.44	0	66.0	63.2	44.6	43.7	43.7
7-8 AM	356	0.0	46	0.0	1500	356	0	46	0.46	0	65.7	62.8	44.1	43.4	43.4
8-9 AM	585	0.0	77	0.0	1500	585	0	77	0.48	0	65.3	62.3	43.2	43.0	43.0
9-10 AM	899	0.0	118	0.0	1500	899	0	118	0.51	0	64.7	61.6	42.0	42.4	42.4
10-11 AM	1186	0.0	156	0.0	1500	1186	0	156	0.62	0	64.1	60.5	38.9	41.8	41.8
11A-NOON	1122	0.0	147	0.0	1500	1122	0	147	0.54	0	64.3	61.1	41.1	41.9	41.9
NOON-1PM	907	0.0	119	0.0	1500	907	0	119	0.51	0	64.7	61.6	42.0	42.4	42.4
1-2 PM	775	0.0	102	0.0	1500	775	0	102	0.50	0	65.0	61.9	42.5	42.6	42.6
2-3 PM	675	0.0	89	0.0	1500	675	0	89	0.49	0	65.1	62.2	42.8	42.8	42.8
3-4 PM	618	0.0	81	0.0	1500	618	0	81	0.48	0	65.2	62.3	43.0	42.9	42.9
4-5 PM	549	0.0	72	0.0	1500	549	0	72	0.48	0	65.4	62.4	43.3	43.0	43.0
5-6 PM	480	0.0	63	0.0	1500	480	0	63	0.47	0	65.5	62.6	43.6	43.2	43.2
6-7 PM	421	0.0	55	0.0	1500	421	0	55	0.46	0	65.6	62.7	43.8	43.3	43.3
7-8 PM	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 PM	306	0.0	40	0.0	1500	306	0	40	0.45	0	65.8	63.0	44.3	43.5	43.5
9-10 PM	248	0.0	32	0.0	1500	248	0	32	0.45	0	66.0	63.1	44.5	43.6	43.6
10-11 PM	178	0.0	24	0.0	1500	178	0	24	0.44	0	66.1	63.3	44.8	43.7	43.7
11PM-MID	96	0.0	13	0.0	1500	96	0	13	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 (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	0.0180
MAIN ROUTE WITH WORKS	0.0173
DIVERSION	0.0068

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

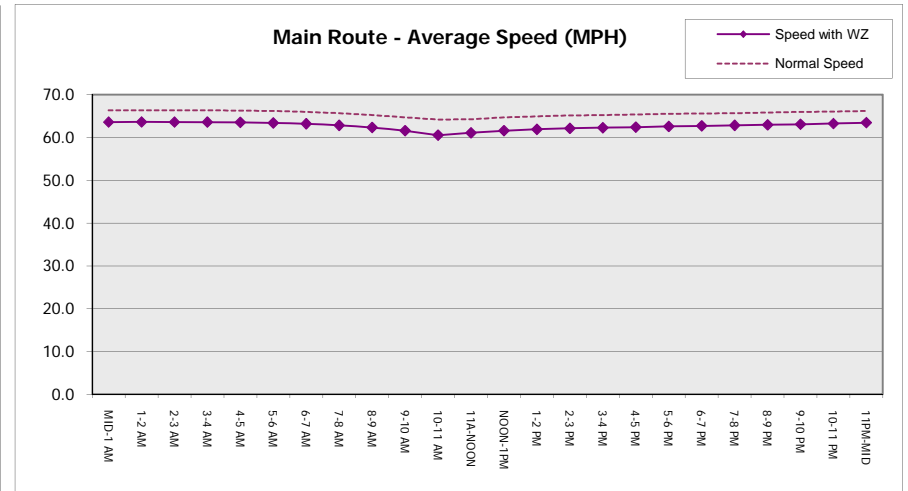
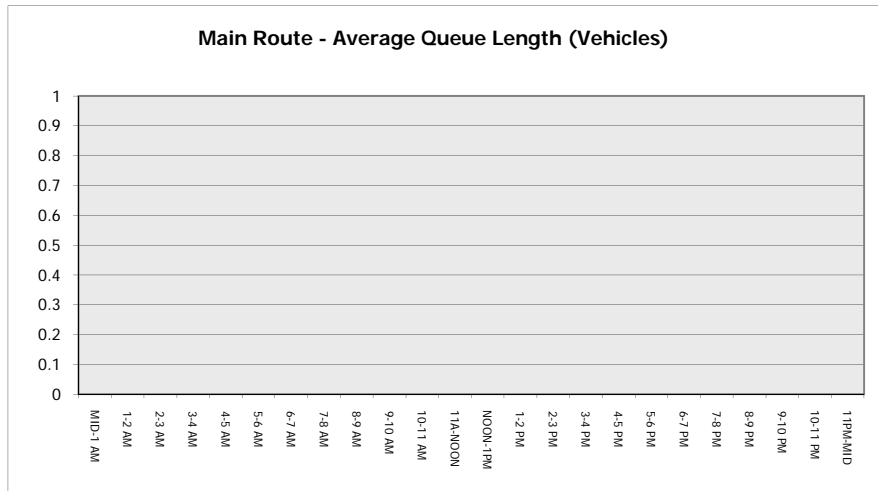
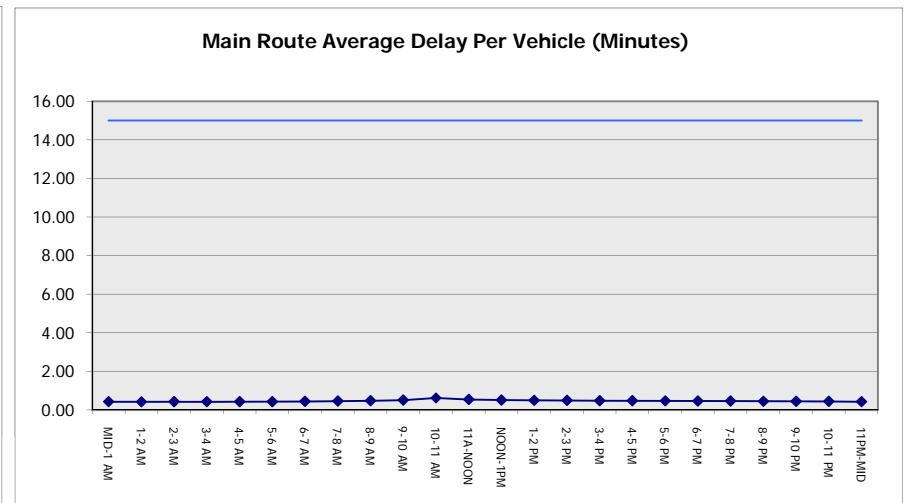
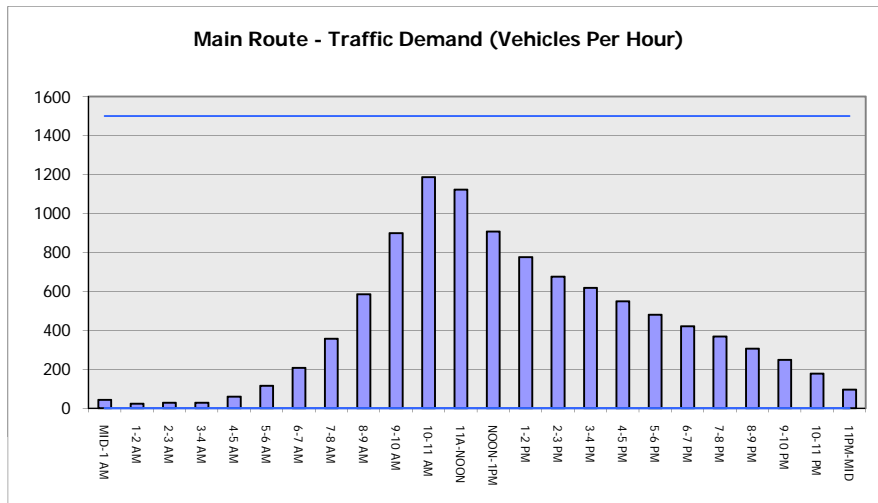
ROAD USER COSTS PER DAY (DOLLARS)	\$1,324
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

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	179	0.0	24	0.0	1500	179	0	24	0.44	0	66.1	63.3	44.8	43.7	43.7
1-2 AM	84	0.0	11	0.0	1500	84	0	11	0.43	0	66.2	63.5	45.1	43.9	43.9
2-3 AM	60	0.0	8	0.0	1500	60	0	8	0.43	0	66.3	63.5	45.3	44.0	44.0
3-4 AM	47	0.0	6	0.0	1500	47	0	6	0.43	0	66.3	63.6	45.3	44.0	44.0
4-5 AM	47	0.0	6	0.0	1500	47	0	6	0.43	0	66.3	63.6	45.3	44.0	44.0
5-6 AM	83	0.0	11	0.0	1500	83	0	11	0.43	0	66.3	63.5	45.1	43.9	43.9
6-7 AM	173	0.0	23	0.0	1500	173	0	23	0.44	0	66.1	63.3	44.8	43.8	43.8
7-8 AM	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 AM	510	0.0	67	0.0	1500	510	0	67	0.47	0	65.5	62.5	43.5	43.1	43.1
9-10 AM	784	0.0	103	0.0	1500	784	0	103	0.50	0	64.9	61.9	42.5	42.6	42.6
10-11 AM	1059	0.0	139	0.0	1500	1059	0	139	0.52	0	64.4	61.3	41.5	42.0	42.0
11A-NOON	1155	0.0	151	0.0	1500	1155	0	151	0.58	0	64.2	60.8	39.9	41.9	41.9
NOON-1PM	1199	0.0	158	0.0	1500	1199	0	158	0.64	0	64.1	60.4	38.5	41.8	41.8
1-2 PM	1204	0.0	158	0.0	1500	1204	0	158	0.64	0	64.1	60.4	38.3	41.8	41.8
2-3 PM	1085	0.0	143	0.0	1500	1085	0	143	0.53	0	64.3	61.2	41.4	42.0	42.0
3-4 PM	916	0.0	120	0.0	1500	916	0	120	0.51	0	64.7	61.6	42.0	42.4	42.4
4-5 PM	734	0.0	96	0.0	1500	734	0	96	0.49	0	65.0	62.0	42.6	42.7	42.7
5-6 PM	572	0.0	76	0.0	1500	572	0	76	0.48	0	65.3	62.3	43.2	43.0	43.0
6-7 PM	481	0.0	63	0.0	1500	481	0	63	0.47	0	65.5	62.6	43.6	43.2	43.2
7-8 PM	405	0.0	53	0.0	1500	405	0	53	0.46	0	65.6	62.7	43.8	43.3	43.3
8-9 PM	318	0.0	42	0.0	1500	318	0	42	0.45	0	65.8	63.0	44.2	43.5	43.5
9-10 PM	283	0.0	37	0.0	1500	283	0	37	0.45	0	65.9	63.0	44.3	43.5	43.5
10-11 PM	192	0.0	25	0.0	1500	192	0	25	0.44	0	66.0	63.2	44.7	43.7	43.7
11PM-MID	124	0.0	16	0.0	1500	124	0	16	0.43	0	66.1	63.4	45.0	43.8	43.8

----- 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	0.0210
MAIN ROUTE WITH WORKS	0.0202
DIVERSION	0.0080

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,620
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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SATURDAY NORTHBOUND DIRECTION

