

**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

FRIDAY 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	24	0.0	3	0.0	1500	24	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
1-2 AM	16	0.0	2	0.0	1500	16	0	2	0.42	0	66.4	63.7	45.5	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	56	0.0	8	0.0	1500	56	0	8	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	146	0.0	19	0.0	1500	146	0	19	0.44	0	66.1	63.3	44.9	43.8	43.8
5-6 AM	330	0.0	43	0.0	1500	330	0	43	0.45	0	65.8	62.9	44.2	43.5	43.5
6-7 AM	543	0.0	71	0.0	1500	543	0	71	0.48	0	65.4	62.4	43.3	43.0	43.0
7-8 AM	583	0.0	77	0.0	1500	583	0	77	0.48	0	65.3	62.3	43.2	43.0	43.0
8-9 AM	507	0.0	67	0.0	1500	507	0	67	0.47	0	65.5	62.5	43.5	43.1	43.1
9-10 AM	555	0.0	72	0.0	1500	555	0	72	0.48	0	65.3	62.4	43.3	43.0	43.0
10-11 AM	618	0.0	81	0.0	1500	618	0	81	0.48	0	65.2	62.3	43.0	42.9	42.9
11A-NOON	598	0.0	79	0.0	1500	598	0	79	0.48	0	65.3	62.3	43.2	42.9	42.9
NOON-1PM	609	0.0	80	0.0	1500	609	0	80	0.48	0	65.3	62.3	43.1	42.9	42.9
1-2 PM	629	0.0	82	0.0	1500	629	0	82	0.48	0	65.2	62.2	43.0	42.8	42.8
2-3 PM	604	0.0	79	0.0	1500	604	0	79	0.48	0	65.3	62.3	43.1	42.9	42.9
3-4 PM	634	0.0	83	0.0	1500	634	0	83	0.48	0	65.2	62.2	43.0	42.8	42.8
4-5 PM	641	0.0	84	0.0	1500	641	0	84	0.48	0	65.2	62.2	43.0	42.8	42.8
5-6 PM	505	0.0	66	0.0	1500	505	0	66	0.47	0	65.5	62.5	43.5	43.1	43.1
6-7 PM	356	0.0	47	0.0	1500	356	0	47	0.46	0	65.7	62.8	44.1	43.4	43.4
7-8 PM	214	0.0	28	0.0	1500	214	0	28	0.44	0	66.0	63.2	44.6	43.7	43.7
8-9 PM	143	0.0	18	0.0	1500	143	0	18	0.44	0	66.1	63.3	44.9	43.8	43.8
9-10 PM	109	0.0	14	0.0	1500	109	0	14	0.43	0	66.2	63.4	45.1	43.9	43.9
10-11 PM	97	0.0	13	0.0	1500	97	0	13	0.43	0	66.2	63.5	45.1	43.9	43.9
11PM-MID	49	0.0	6	0.0	1500	49	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		0.0150
MAIN ROUTE WITH WORKS		0.0145
DIVERSION		0.0057

PIA: Personal Injury Accidents

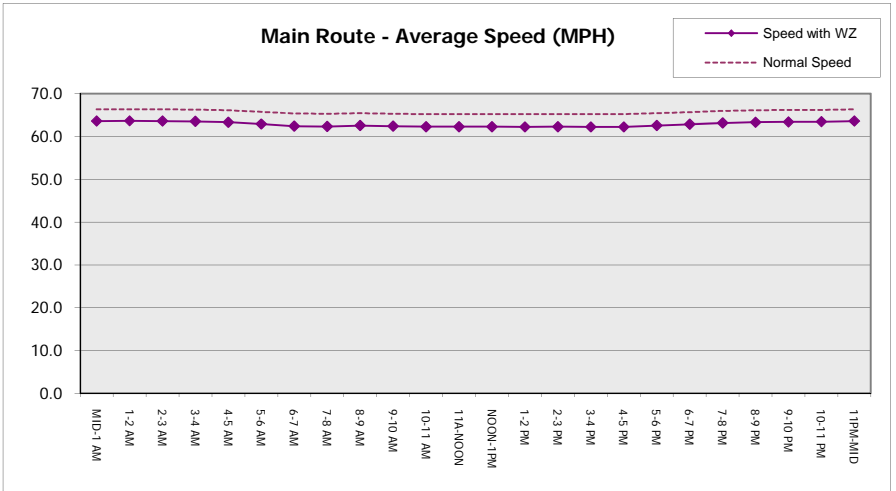
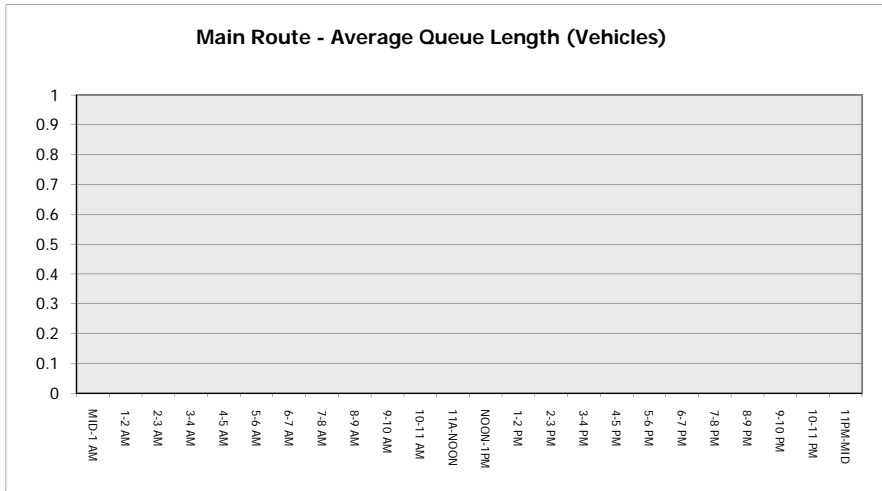
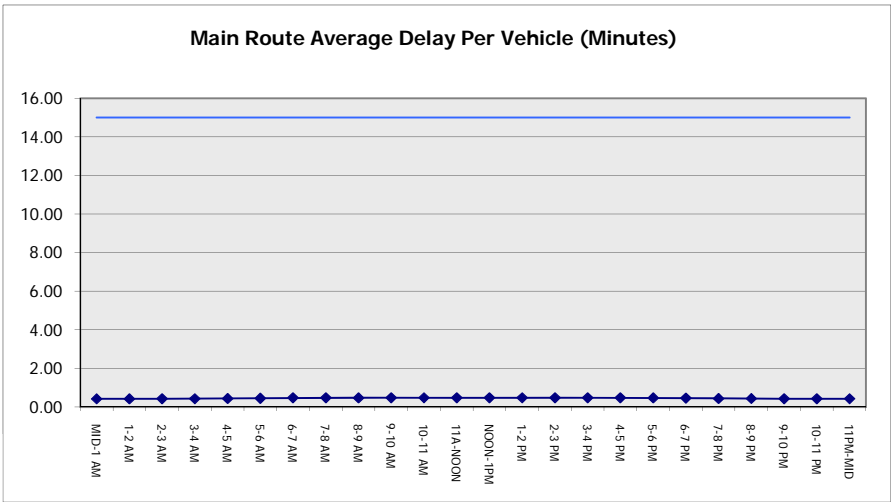
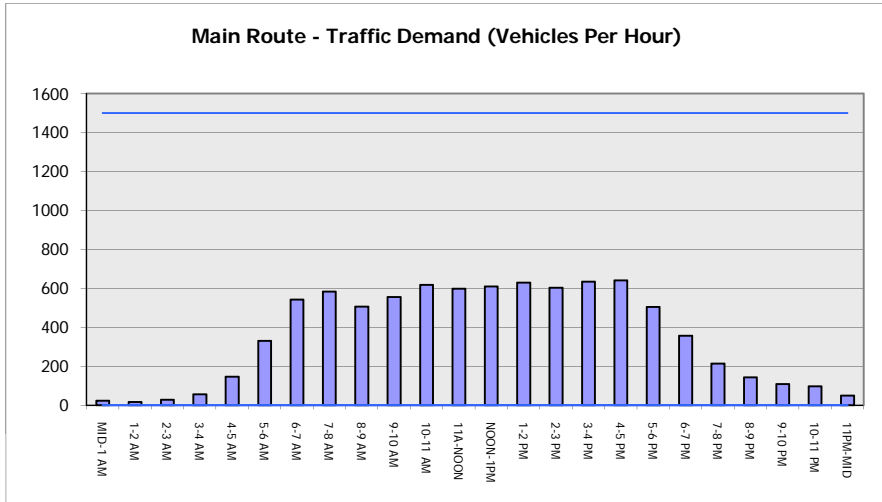
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$846
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	66	0.0	9	0.0	1500	66	0	9	0.43	0	66.3	63.5	45.2	44.0	44.0
1-2 AM	47	0.0	6	0.0	1500	47	0	6	0.43	0	66.3	63.6	45.3	44.0	44.0
2-3 AM	39	0.0	5	0.0	1500	39	0	5	0.43	0	66.3	63.6	45.3	44.0	44.0
3-4 AM	53	0.0	6	0.0	1500	53	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	83	0.0	11	0.0	1500	83	0	11	0.43	0	66.3	63.5	45.1	43.9	43.9
5-6 AM	152	0.0	19	0.0	1500	152	0	19	0.44	0	66.1	63.3	44.9	43.8	43.8
6-7 AM	345	0.0	45	0.0	1500	345	0	45	0.46	0	65.8	62.9	44.1	43.4	43.4
7-8 AM	432	0.0	57	0.0	1500	432	0	57	0.46	0	65.6	62.7	43.8	43.2	43.2
8-9 AM	474	0.0	63	0.0	1500	474	0	63	0.47	0	65.5	62.6	43.6	43.2	43.2
9-10 AM	614	0.0	81	0.0	1500	614	0	81	0.48	0	65.3	62.3	43.1	42.9	42.9
10-11 AM	716	0.0	94	0.0	1500	716	0	94	0.49	0	65.1	62.0	42.7	42.7	42.7
11A-NOON	847	0.0	111	0.0	1500	847	0	111	0.50	0	64.8	61.7	42.2	42.5	42.5
NOON-1PM	842	0.0	110	0.0	1500	842	0	110	0.50	0	64.8	61.7	42.2	42.5	42.5
1-2 PM	992	0.0	130	0.0	1500	992	0	130	0.52	0	64.5	61.4	41.7	42.2	42.2
2-3 PM	1148	0.0	151	0.0	1500	1148	0	151	0.57	0	64.3	60.9	40.2	41.9	41.9
3-4 PM	1309	0.0	172	0.0	1500	1309	0	172	0.78	0	64.0	59.5	35.3	41.5	41.5
4-5 PM	1343	0.0	176	0.0	1500	1343	0	176	0.82	0	63.9	59.2	34.3	41.5	41.5
5-6 PM	1280	0.0	169	0.0	1500	1280	0	169	0.74	0	64.0	59.7	36.1	41.6	41.6
6-7 PM	1054	0.0	138	0.0	1500	1054	0	138	0.52	0	64.4	61.3	41.5	42.0	42.0
7-8 PM	944	0.0	124	0.0	1500	944	0	124	0.51	0	64.6	61.5	41.9	42.2	42.2
8-9 PM	760	0.0	100	0.0	1500	760	0	100	0.50	0	65.0	61.9	42.5	42.6	42.6
9-10 PM	497	0.0	65	0.0	1500	497	0	65	0.47	0	65.5	62.5	43.5	43.2	43.2
10-11 PM	303	0.0	40	0.0	1500	303	0	40	0.45	0	65.8	63.0	44.3	43.5	43.5
11PM-MID	169	0.0	23	0.0	1500	169	0	23	0.44	0	66.1	63.3	44.8	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	0.0254
MAIN ROUTE WITH WORKS	0.0244
DIVERSION	0.0096

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,742
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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FRIDAY NORTHBOUND DIRECTION

