

STH 29: CTH Q TO CTH D (SHAWANO COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH Q - CTH D	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY WESTBOUND 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	29	0.0	5	0.0	1500	29	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
1-2 AM	22	0.0	3	0.0	1500	22	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	14	0.0	2	0.0	1500	14	0	2	0.50	0	63.9	60.7	42.0	24.8	24.8
3-4 AM	16	0.0	2	0.0	1500	16	0	2	0.50	0	63.9	60.7	41.9	24.8	24.8
4-5 AM	19	0.0	3	0.0	1500	19	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
5-6 AM	30	0.0	5	0.0	1500	30	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
6-7 AM	44	0.0	7	0.0	1500	44	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
7-8 AM	83	0.0	14	0.0	1500	83	0	14	0.51	0	63.8	60.5	41.7	24.7	24.7
8-9 AM	133	0.0	21	0.0	1500	133	0	21	0.51	0	63.7	60.4	41.5	24.7	24.7
9-10 AM	202	0.0	32	0.0	1500	202	0	32	0.52	0	63.5	60.2	41.3	24.6	24.6
10-11 AM	295	0.0	47	0.0	1500	295	0	47	0.53	0	63.3	60.1	41.0	24.5	24.5
11A-NOON	333	0.0	53	0.0	1500	333	0	53	0.53	0	63.3	60.0	40.9	24.4	24.4
NOON-1PM	354	0.0	57	0.0	1500	354	0	57	0.53	0	63.2	59.9	40.8	24.4	24.4
1-2 PM	397	0.0	64	0.0	1500	397	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
2-3 PM	381	0.0	62	0.0	1500	381	0	62	0.53	0	63.2	59.9	40.7	24.3	24.3
3-4 PM	519	0.0	84	0.0	1500	519	0	84	0.55	0	62.9	59.6	40.2	24.2	24.2
4-5 PM	594	0.0	95	0.0	1500	594	0	95	0.56	0	62.8	59.4	40.0	24.1	24.1
5-6 PM	388	0.0	62	0.0	1500	388	0	62	0.54	0	63.2	59.9	40.7	24.3	24.3
6-7 PM	365	0.0	59	0.0	1500	365	0	59	0.53	0	63.2	59.9	40.7	24.4	24.4
7-8 PM	452	0.0	73	0.0	1500	452	0	73	0.54	0	63.0	59.7	40.4	24.3	24.3
8-9 PM	225	0.0	37	0.0	1500	225	0	37	0.52	0	63.5	60.2	41.2	24.5	24.5
9-10 PM	95	0.0	16	0.0	1500	95	0	16	0.51	0	63.7	60.5	41.7	24.7	24.7
10-11 PM	43	0.0	7	0.0	1500	43	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
11PM-MID	31	0.0	5	0.0	1500	31	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8

----- 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	0.0084
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0147

PIA: Personal Injury Accidents

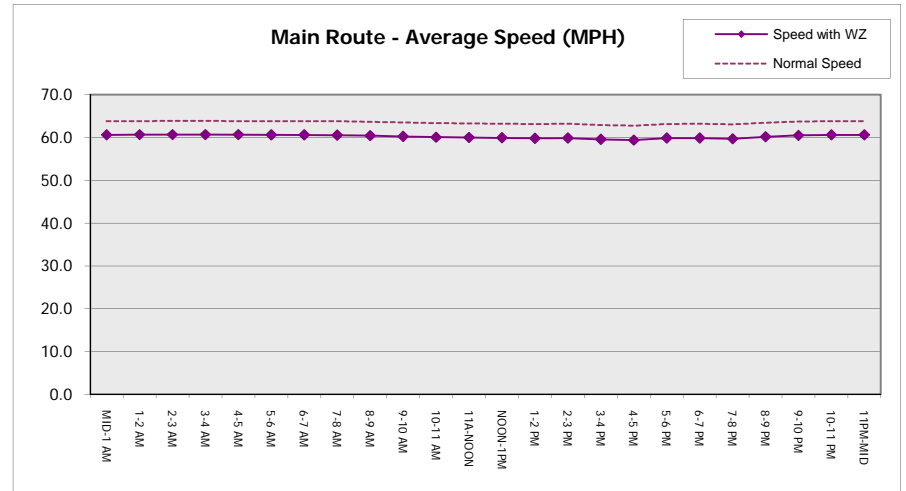
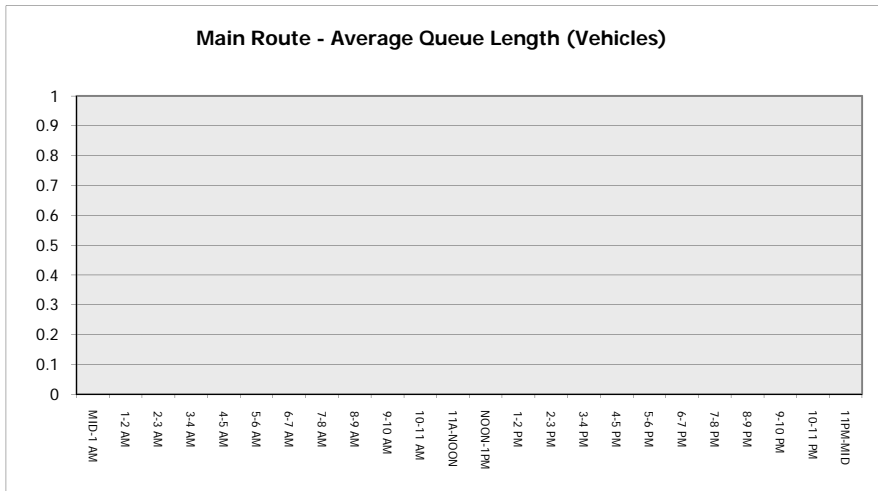
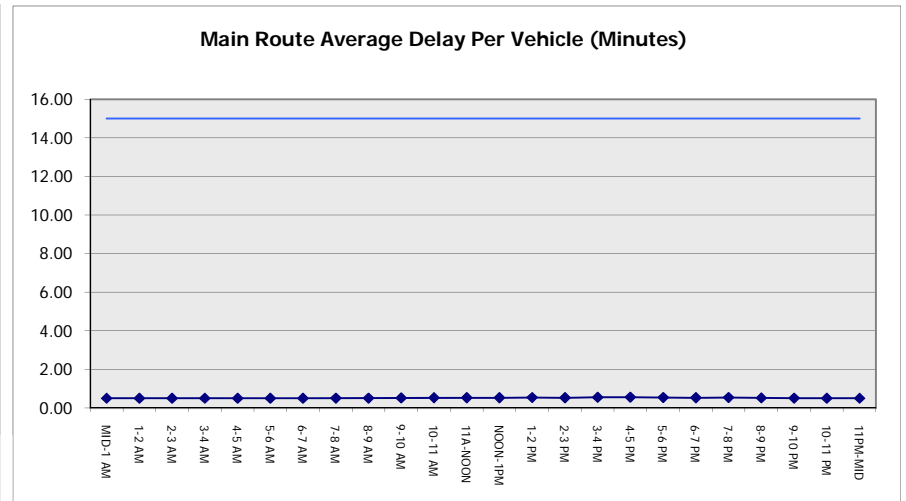
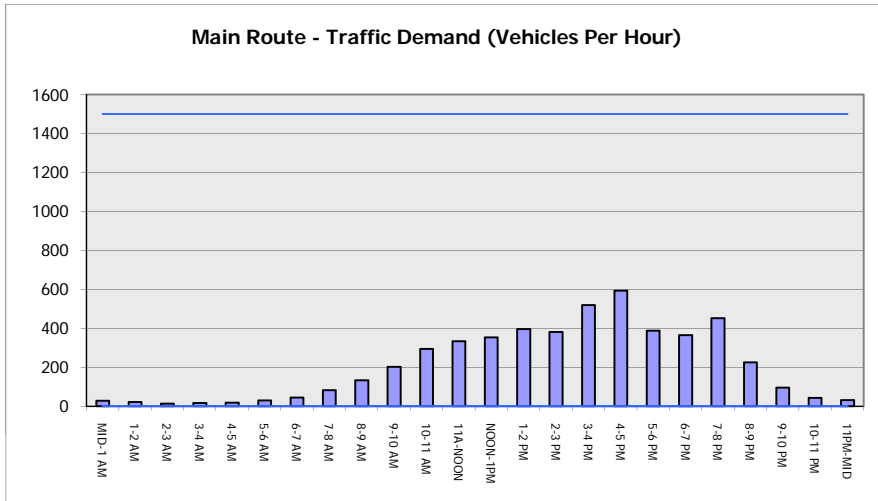
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$704
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

STH 29: CTH Q TO CTH D (SHAWANO COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH Q - CTH D

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



STH 29: CTH Q TO CTH D (SHAWANO COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH Q - CTH D	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY EASTBOUND 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	47	0.0	7	0.0	1500	47	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
1-2 AM	21	0.0	3	0.0	1500	21	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	19	0.0	3	0.0	1500	19	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	11	0.0	2	0.0	1500	11	0	2	0.50	0	63.9	60.7	42.0	24.8	24.8
4-5 AM	14	0.0	2	0.0	1500	14	0	2	0.50	0	63.9	60.7	42.0	24.8	24.8
5-6 AM	22	0.0	3	0.0	1500	22	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
6-7 AM	48	0.0	7	0.0	1500	48	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
7-8 AM	136	0.0	22	0.0	1500	136	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
8-9 AM	333	0.0	53	0.0	1500	333	0	53	0.53	0	63.3	60.0	40.9	24.4	24.4
9-10 AM	422	0.0	68	0.0	1500	422	0	68	0.54	0	63.1	59.7	40.6	24.3	24.3
10-11 AM	465	0.0	74	0.0	1500	465	0	74	0.54	0	63.0	59.7	40.4	24.3	24.3
11A-NOON	552	0.0	89	0.0	1500	552	0	89	0.55	0	62.8	59.5	40.1	24.2	24.2
NOON-1PM	564	0.0	91	0.0	1500	564	0	91	0.55	0	62.8	59.4	40.1	24.2	24.2
1-2 PM	521	0.0	84	0.0	1500	521	0	84	0.55	0	62.9	59.6	40.2	24.2	24.2
2-3 PM	513	0.0	83	0.0	1500	513	0	83	0.55	0	63.0	59.6	40.2	24.2	24.2
3-4 PM	494	0.0	80	0.0	1500	494	0	80	0.55	0	63.0	59.6	40.3	24.2	24.2
4-5 PM	452	0.0	73	0.0	1500	452	0	73	0.54	0	63.0	59.7	40.4	24.3	24.3
5-6 PM	413	0.0	66	0.0	1500	413	0	66	0.54	0	63.2	59.8	40.6	24.3	24.3
6-7 PM	334	0.0	53	0.0	1500	334	0	53	0.53	0	63.3	59.9	40.9	24.4	24.4
7-8 PM	257	0.0	41	0.0	1500	257	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
8-9 PM	166	0.0	27	0.0	1500	166	0	27	0.51	0	63.6	60.4	41.4	24.7	24.7
9-10 PM	92	0.0	15	0.0	1500	92	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
10-11 PM	53	0.0	8	0.0	1500	53	0	8	0.50	0	63.8	60.6	41.8	24.8	24.8
11PM-MID	33	0.0	5	0.0	1500	33	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8

----- 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	0.0100
MAIN ROUTE WITH WORKS	0.0106
DIVERSION	0.0173

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$839
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH Q - CTH D

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

