

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	36	0.0	5	0.0	1500	36	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
1-2 AM	25	0.0	4	0.0	1500	25	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	27	0.0	4	0.0	1500	27	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	31	0.0	5	0.0	1500	31	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
4-5 AM	63	0.0	10	0.0	1500	63	0	10	0.50	0	63.8	60.5	41.8	24.8	24.8
5-6 AM	107	0.0	17	0.0	1500	107	0	17	0.51	0	63.7	60.5	41.6	24.7	24.7
6-7 AM	179	0.0	29	0.0	1500	179	0	29	0.52	0	63.6	60.3	41.4	24.6	24.6
7-8 AM	243	0.0	39	0.0	1500	243	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
8-9 AM	319	0.0	51	0.0	1500	319	0	51	0.53	0	63.3	60.0	40.9	24.5	24.5
9-10 AM	396	0.0	64	0.0	1500	396	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
10-11 AM	453	0.0	73	0.0	1500	453	0	73	0.54	0	63.0	59.7	40.4	24.3	24.3
11A-NOON	472	0.0	76	0.0	1500	472	0	76	0.54	0	63.0	59.7	40.4	24.3	24.3
NOON-1PM	499	0.0	80	0.0	1500	499	0	80	0.55	0	63.0	59.6	40.3	24.2	24.2
1-2 PM	537	0.0	86	0.0	1500	537	0	86	0.55	0	62.9	59.5	40.2	24.2	24.2
2-3 PM	550	0.0	89	0.0	1500	550	0	89	0.55	0	62.9	59.5	40.1	24.2	24.2
3-4 PM	553	0.0	89	0.0	1500	553	0	89	0.55	0	62.8	59.5	40.1	24.2	24.2
4-5 PM	548	0.0	88	0.0	1500	548	0	88	0.55	0	62.9	59.5	40.1	24.2	24.2
5-6 PM	576	0.0	93	0.0	1500	576	0	93	0.55	0	62.8	59.4	40.1	24.2	24.2
6-7 PM	439	0.0	71	0.0	1500	439	0	71	0.54	0	63.1	59.7	40.5	24.3	24.3
7-8 PM	321	0.0	51	0.0	1500	321	0	51	0.53	0	63.3	60.0	40.9	24.5	24.5
8-9 PM	207	0.0	33	0.0	1500	207	0	33	0.52	0	63.5	60.2	41.3	24.6	24.6
9-10 PM	141	0.0	23	0.0	1500	141	0	23	0.51	0	63.7	60.4	41.5	24.7	24.7
10-11 PM	102	0.0	17	0.0	1500	102	0	17	0.51	0	63.7	60.5	41.7	24.7	24.7
11PM-MID	63	0.0	10	0.0	1500	63	0	10	0.50	0	63.8	60.5	41.8	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		0.0115
MAIN ROUTE WITH WORKS		0.0122
DIVERSION		0.0199

PIA: Personal Injury Accidents

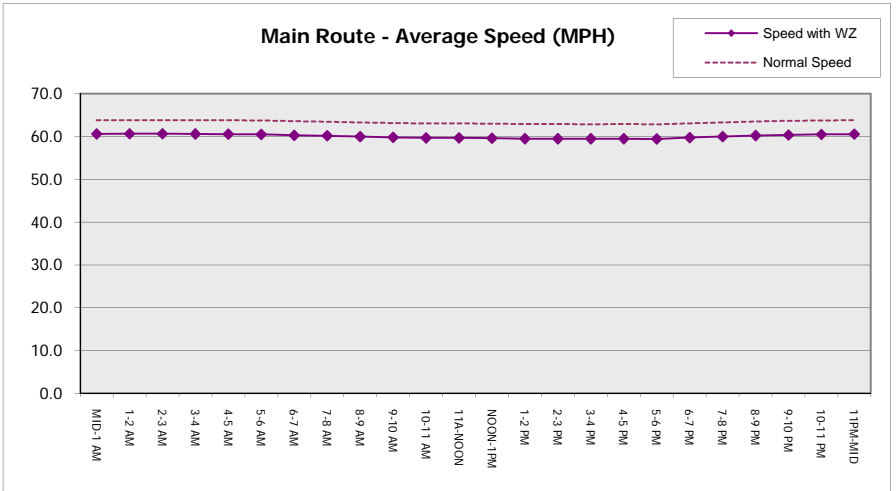
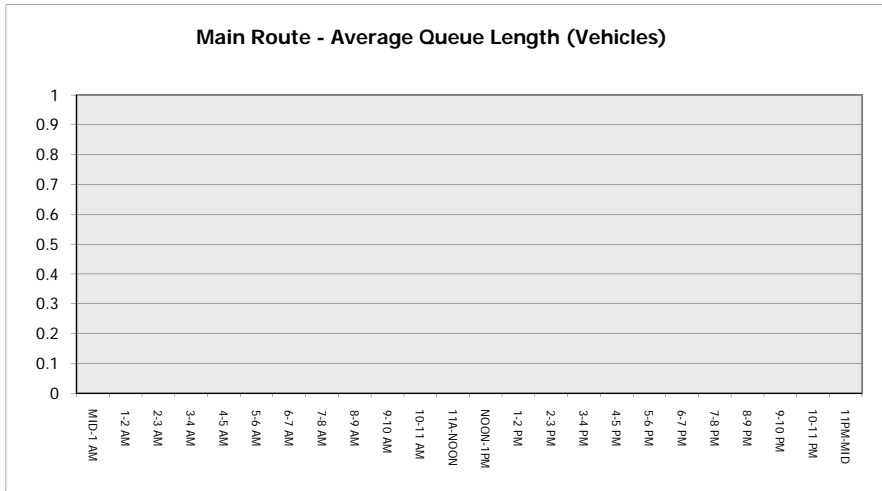
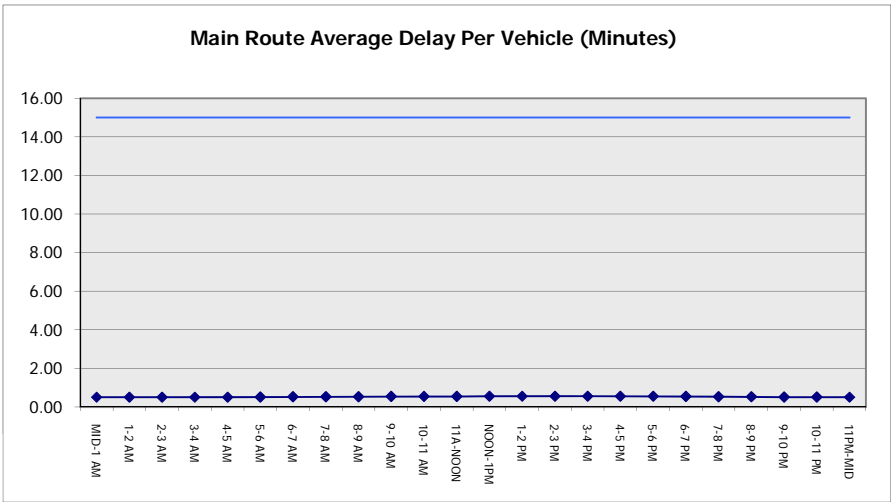
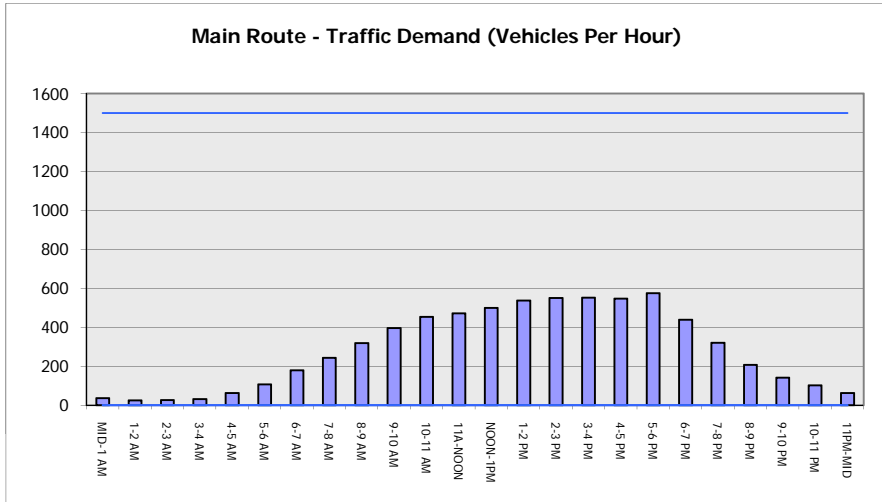
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$780
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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	31	0.0	5	0.0	1500	31	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
1-2 AM	25	0.0	4	0.0	1500	25	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	27	0.0	4	0.0	1500	27	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	29	0.0	5	0.0	1500	29	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
4-5 AM	51	0.0	8	0.0	1500	51	0	8	0.50	0	63.8	60.6	41.8	24.8	24.8
5-6 AM	80	0.0	13	0.0	1500	80	0	13	0.51	0	63.8	60.5	41.7	24.7	24.7
6-7 AM	130	0.0	21	0.0	1500	130	0	21	0.51	0	63.7	60.4	41.5	24.7	24.7
7-8 AM	178	0.0	28	0.0	1500	178	0	28	0.52	0	63.6	60.3	41.4	24.7	24.7
8-9 AM	241	0.0	39	0.0	1500	241	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
9-10 AM	296	0.0	48	0.0	1500	296	0	48	0.53	0	63.3	60.1	41.0	24.5	24.5
10-11 AM	325	0.0	52	0.0	1500	325	0	52	0.53	0	63.3	60.0	40.9	24.5	24.5
11A-NOON	355	0.0	57	0.0	1500	355	0	57	0.53	0	63.2	59.9	40.8	24.4	24.4
NOON-1PM	421	0.0	68	0.0	1500	421	0	68	0.54	0	63.1	59.7	40.6	24.3	24.3
1-2 PM	466	0.0	75	0.0	1500	466	0	75	0.54	0	63.0	59.7	40.4	24.3	24.3
2-3 PM	443	0.0	71	0.0	1500	443	0	71	0.54	0	63.1	59.7	40.5	24.3	24.3
3-4 PM	465	0.0	74	0.0	1500	465	0	74	0.54	0	63.0	59.7	40.4	24.3	24.3
4-5 PM	464	0.0	74	0.0	1500	464	0	74	0.54	0	63.0	59.7	40.4	24.3	24.3
5-6 PM	416	0.0	67	0.0	1500	416	0	67	0.54	0	63.2	59.8	40.6	24.3	24.3
6-7 PM	346	0.0	55	0.0	1500	346	0	55	0.53	0	63.3	59.9	40.8	24.4	24.4
7-8 PM	263	0.0	42	0.0	1500	263	0	42	0.52	0	63.4	60.1	41.1	24.5	24.5
8-9 PM	209	0.0	33	0.0	1500	209	0	33	0.52	0	63.5	60.2	41.3	24.6	24.6
9-10 PM	145	0.0	23	0.0	1500	145	0	23	0.51	0	63.7	60.4	41.5	24.7	24.7
10-11 PM	115	0.0	19	0.0	1500	115	0	19	0.51	0	63.7	60.4	41.6	24.7	24.7
11PM-MID	78	0.0	13	0.0	1500	78	0	13	0.51	0	63.8	60.5	41.7	24.7	24.7

----- 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	0.0093
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.0162

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$624
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

