

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

MON-THUR 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	28	0.0	4	0.0	1500	28	0	4	0.50	0	63.8	60.7	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	26	0.0	4	0.0	1500	26	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	38	0.0	6	0.0	1500	38	0	6	0.50	0	63.8	60.6	41.9	24.8	24.8
4-5 AM	68	0.0	10	0.0	1500	68	0	10	0.51	0	63.8	60.5	41.7	24.8	24.8
5-6 AM	135	0.0	22	0.0	1500	135	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
6-7 AM	198	0.0	31	0.0	1500	198	0	31	0.52	0	63.5	60.2	41.3	24.6	24.6
7-8 AM	256	0.0	41	0.0	1500	256	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
8-9 AM	275	0.0	44	0.0	1500	275	0	44	0.52	0	63.4	60.1	41.0	24.5	24.5
9-10 AM	297	0.0	48	0.0	1500	297	0	48	0.53	0	63.3	60.1	41.0	24.5	24.5
10-11 AM	321	0.0	51	0.0	1500	321	0	51	0.53	0	63.3	60.0	40.9	24.5	24.5
11A-NOON	319	0.0	51	0.0	1500	319	0	51	0.53	0	63.3	60.0	40.9	24.5	24.5
NOON-1PM	303	0.0	49	0.0	1500	303	0	49	0.53	0	63.3	60.1	40.9	24.5	24.5
1-2 PM	308	0.0	49	0.0	1500	308	0	49	0.53	0	63.3	60.0	40.9	24.5	24.5
2-3 PM	309	0.0	50	0.0	1500	309	0	50	0.53	0	63.3	60.0	40.9	24.5	24.5
3-4 PM	303	0.0	49	0.0	1500	303	0	49	0.53	0	63.3	60.1	40.9	24.5	24.5
4-5 PM	289	0.0	46	0.0	1500	289	0	46	0.53	0	63.3	60.1	41.0	24.5	24.5
5-6 PM	241	0.0	39	0.0	1500	241	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
6-7 PM	187	0.0	30	0.0	1500	187	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
7-8 PM	142	0.0	23	0.0	1500	142	0	23	0.51	0	63.7	60.4	41.5	24.7	24.7
8-9 PM	124	0.0	20	0.0	1500	124	0	20	0.51	0	63.7	60.4	41.5	24.7	24.7
9-10 PM	117	0.0	19	0.0	1500	117	0	19	0.51	0	63.7	60.4	41.6	24.7	24.7
10-11 PM	146	0.0	22	0.0	1500	146	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
11PM-MID	68	0.0	10	0.0	1500	68	0	10	0.51	0	63.8	60.5	41.7	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	0.0075
MAIN ROUTE WITH WORKS	0.0080
DIVERSION	0.0130

PIA: Personal Injury Accidents

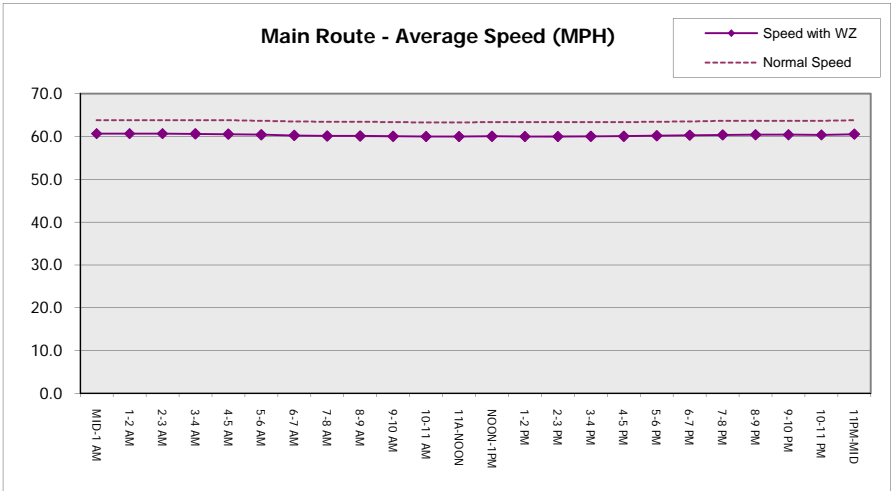
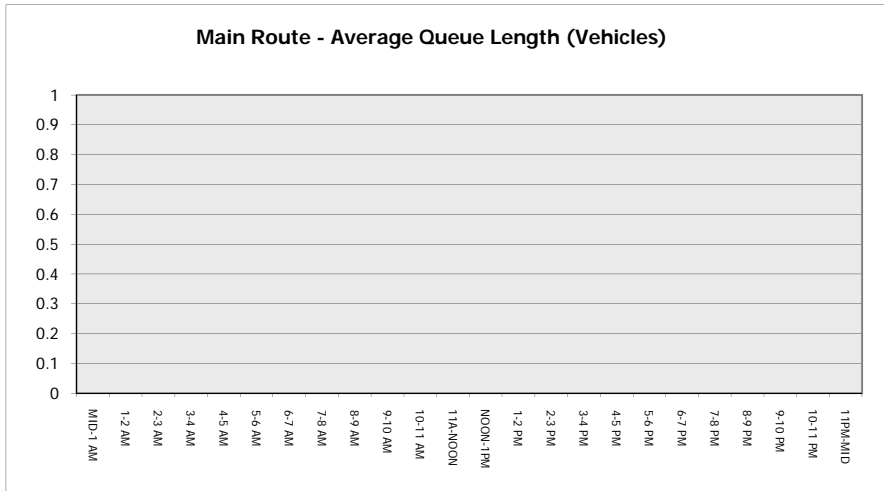
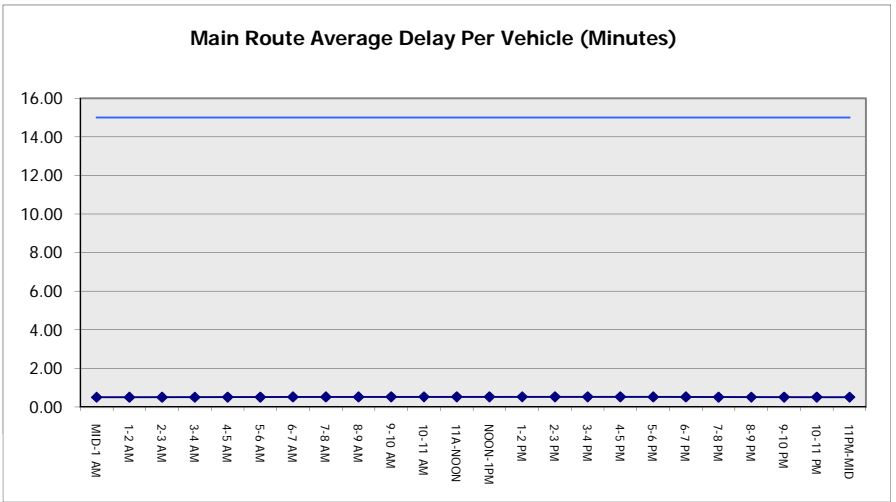
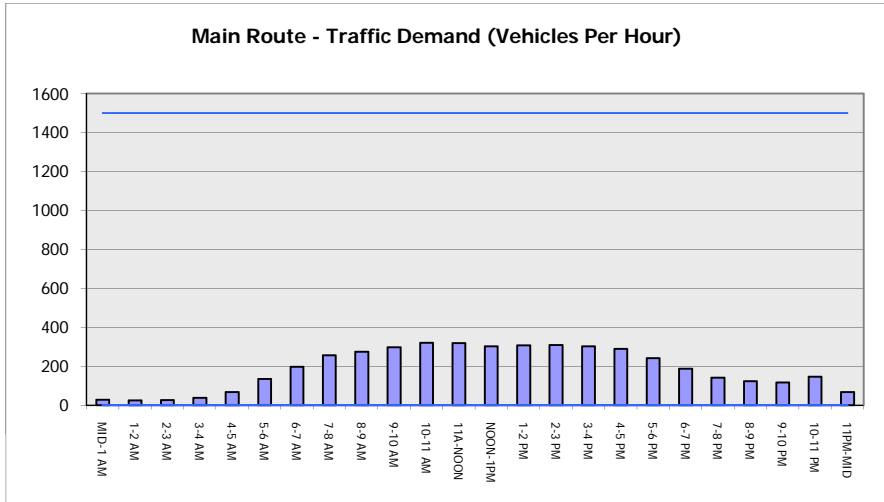
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$481
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

MON-THUR 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	23	0.0	3	0.0	1500	23	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
1-2 AM	24	0.0	4	0.0	1500	24	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	25	0.0	4	0.0	1500	25	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	32	0.0	5	0.0	1500	32	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
4-5 AM	64	0.0	10	0.0	1500	64	0	10	0.50	0	63.8	60.5	41.8	24.8	24.8
5-6 AM	90	0.0	15	0.0	1500	90	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
6-7 AM	146	0.0	23	0.0	1500	146	0	23	0.51	0	63.7	60.4	41.5	24.7	24.7
7-8 AM	190	0.0	30	0.0	1500	190	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
8-9 AM	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 AM	262	0.0	42	0.0	1500	262	0	42	0.52	0	63.4	60.1	41.1	24.5	24.5
10-11 AM	283	0.0	46	0.0	1500	283	0	46	0.53	0	63.4	60.1	41.0	24.5	24.5
11A-NOON	298	0.0	48	0.0	1500	298	0	48	0.53	0	63.3	60.1	41.0	24.5	24.5
NOON-1PM	310	0.0	50	0.0	1500	310	0	50	0.53	0	63.3	60.0	40.9	24.5	24.5
1-2 PM	343	0.0	55	0.0	1500	343	0	55	0.53	0	63.3	59.9	40.8	24.4	24.4
2-3 PM	371	0.0	60	0.0	1500	371	0	60	0.53	0	63.2	59.9	40.7	24.4	24.4
3-4 PM	400	0.0	64	0.0	1500	400	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
4-5 PM	363	0.0	58	0.0	1500	363	0	58	0.53	0	63.2	59.9	40.7	24.4	24.4
5-6 PM	263	0.0	42	0.0	1500	263	0	42	0.52	0	63.4	60.1	41.1	24.5	24.5
6-7 PM	193	0.0	31	0.0	1500	193	0	31	0.52	0	63.5	60.3	41.3	24.6	24.6
7-8 PM	150	0.0	24	0.0	1500	150	0	24	0.51	0	63.6	60.4	41.5	24.7	24.7
8-9 PM	115	0.0	18	0.0	1500	115	0	18	0.51	0	63.7	60.4	41.6	24.7	24.7
9-10 PM	90	0.0	15	0.0	1500	90	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
10-11 PM	58	0.0	9	0.0	1500	58	0	9	0.50	0	63.8	60.5	41.8	24.8	24.8
11PM-MID	40	0.0	6	0.0	1500	40	0	6	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	0.0073
MAIN ROUTE WITH WORKS	0.0077
DIVERSION	0.0126

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$464
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
MON-THUR EASTBOUND DIRECTION

