

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

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	26	0.0	4	0.0	1500	26	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
1-2 AM	20	0.0	3	0.0	1500	20	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	29	0.0	5	0.0	1500	29	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
3-4 AM	36	0.0	6	0.0	1500	36	0	6	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	121	0.0	20	0.0	1500	121	0	20	0.51	0	63.7	60.4	41.5	24.7	24.7
6-7 AM	178	0.0	28	0.0	1500	178	0	28	0.52	0	63.6	60.3	41.4	24.7	24.7
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	274	0.0	44	0.0	1500	274	0	44	0.52	0	63.4	60.1	41.0	24.5	24.5
9-10 AM	311	0.0	50	0.0	1500	311	0	50	0.53	0	63.3	60.0	40.9	24.5	24.5
10-11 AM	361	0.0	59	0.0	1500	361	0	59	0.53	0	63.2	59.9	40.7	24.4	24.4
11A-NOON	368	0.0	60	0.0	1500	368	0	60	0.53	0	63.2	59.9	40.7	24.4	24.4
NOON-1PM	396	0.0	64	0.0	1500	396	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
1-2 PM	439	0.0	71	0.0	1500	439	0	71	0.54	0	63.1	59.7	40.5	24.3	24.3
2-3 PM	439	0.0	71	0.0	1500	439	0	71	0.54	0	63.1	59.7	40.5	24.3	24.3
3-4 PM	461	0.0	74	0.0	1500	461	0	74	0.54	0	63.0	59.7	40.4	24.3	24.3
4-5 PM	505	0.0	82	0.0	1500	505	0	82	0.55	0	63.0	59.6	40.3	24.2	24.2
5-6 PM	448	0.0	72	0.0	1500	448	0	72	0.54	0	63.1	59.7	40.5	24.3	24.3
6-7 PM	358	0.0	58	0.0	1500	358	0	58	0.53	0	63.2	59.9	40.7	24.4	24.4
7-8 PM	241	0.0	39	0.0	1500	241	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
8-9 PM	144	0.0	23	0.0	1500	144	0	23	0.51	0	63.7	60.4	41.5	24.7	24.7
9-10 PM	91	0.0	15	0.0	1500	91	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
10-11 PM	67	0.0	10	0.0	1500	67	0	10	0.51	0	63.8	60.5	41.8	24.8	24.8
11PM-MID	51	0.0	8	0.0	1500	51	0	8	0.50	0	63.8	60.6	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	0.0095
MAIN ROUTE WITH WORKS	0.0101
DIVERSION	0.0165

PIA: Personal Injury Accidents

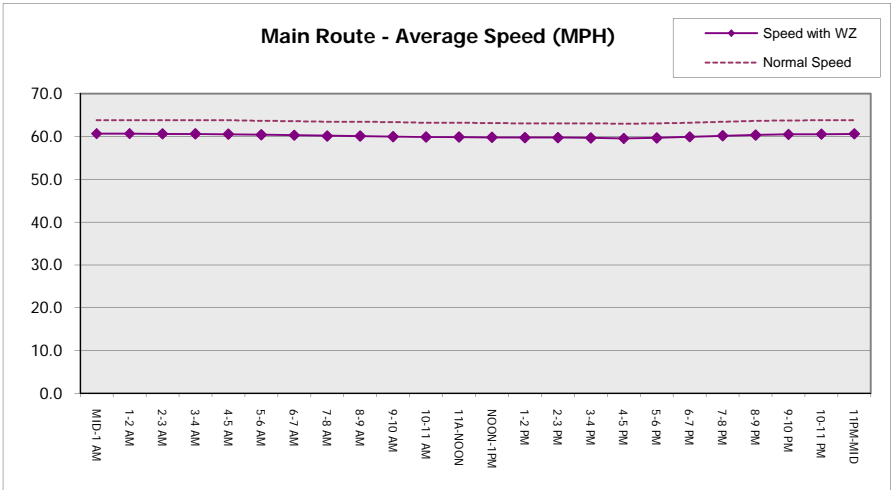
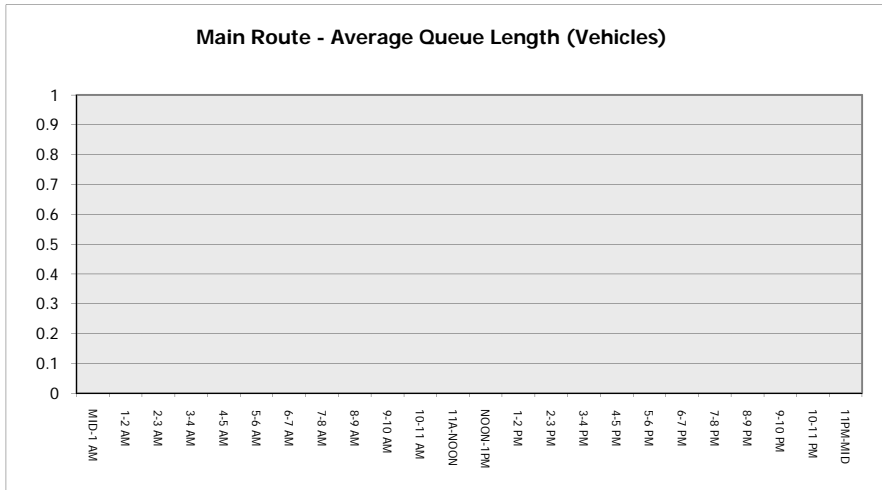
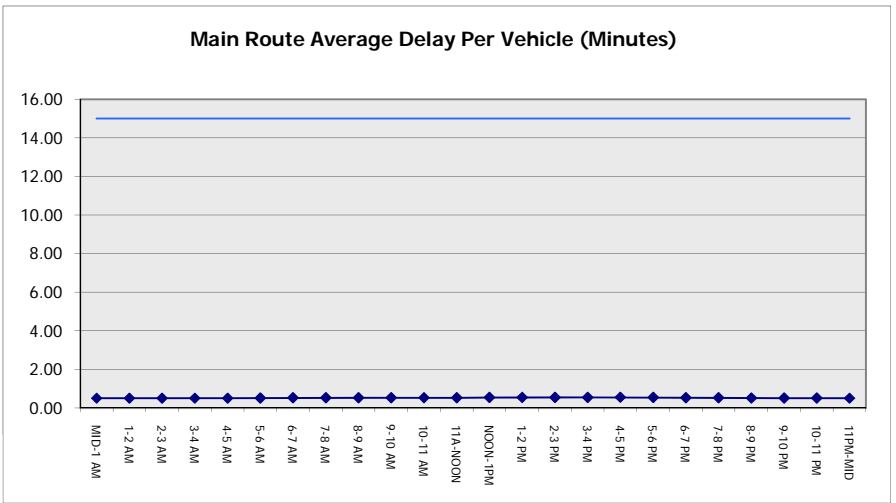
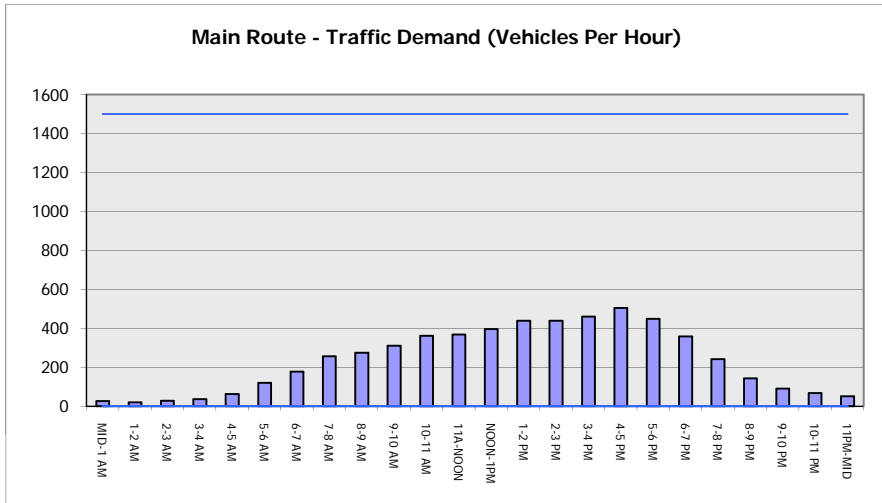
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$630
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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
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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	26	0.0	4	0.0	1500	26	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
1-2 AM	23	0.0	4	0.0	1500	23	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	28	0.0	4	0.0	1500	28	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
4-5 AM	47	0.0	7	0.0	1500	47	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
5-6 AM	82	0.0	14	0.0	1500	82	0	14	0.51	0	63.8	60.5	41.7	24.7	24.7
6-7 AM	124	0.0	20	0.0	1500	124	0	20	0.51	0	63.7	60.4	41.5	24.7	24.7
7-8 AM	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 AM	183	0.0	29	0.0	1500	183	0	29	0.52	0	63.6	60.3	41.4	24.6	24.6
9-10 AM	217	0.0	35	0.0	1500	217	0	35	0.52	0	63.5	60.2	41.2	24.6	24.6
10-11 AM	270	0.0	44	0.0	1500	270	0	44	0.52	0	63.4	60.1	41.0	24.5	24.5
11A-NOON	292	0.0	47	0.0	1500	292	0	47	0.53	0	63.3	60.1	41.0	24.5	24.5
NOON-1PM	311	0.0	50	0.0	1500	311	0	50	0.53	0	63.3	60.0	40.9	24.5	24.5
1-2 PM	366	0.0	59	0.0	1500	366	0	59	0.53	0	63.2	59.9	40.7	24.4	24.4
2-3 PM	397	0.0	64	0.0	1500	397	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
3-4 PM	426	0.0	68	0.0	1500	426	0	68	0.54	0	63.1	59.7	40.6	24.3	24.3
4-5 PM	426	0.0	69	0.0	1500	426	0	69	0.54	0	63.1	59.7	40.6	24.3	24.3
5-6 PM	368	0.0	60	0.0	1500	368	0	60	0.53	0	63.2	59.9	40.7	24.4	24.4
6-7 PM	277	0.0	45	0.0	1500	277	0	45	0.53	0	63.4	60.1	41.0	24.5	24.5
7-8 PM	212	0.0	35	0.0	1500	212	0	35	0.52	0	63.5	60.2	41.2	24.6	24.6
8-9 PM	148	0.0	24	0.0	1500	148	0	24	0.51	0	63.7	60.4	41.5	24.7	24.7
9-10 PM	105	0.0	17	0.0	1500	105	0	17	0.51	0	63.7	60.5	41.6	24.7	24.7
10-11 PM	68	0.0	10	0.0	1500	68	0	10	0.51	0	63.8	60.5	41.7	24.8	24.8
11PM-MID	49	0.0	7	0.0	1500	49	0	7	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	0.0077
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.0134

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$508
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

