

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

SATURDAY 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		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	30	0.0	5	0.0	1500	30	0	5	0.50	0	63.8	60.6	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	20	0.0	3	0.0	1500	20	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	25	0.0	4	0.0	1500	25	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
4-5 AM	37	0.0	6	0.0	1500	37	0	6	0.50	0	63.8	60.6	41.9	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	142	0.0	23	0.0	1500	142	0	23	0.51	0	63.7	60.4	41.5	24.7	24.7
7-8 AM	201	0.0	32	0.0	1500	201	0	32	0.52	0	63.5	60.2	41.3	24.6	24.6
8-9 AM	276	0.0	44	0.0	1500	276	0	44	0.52	0	63.4	60.1	41.0	24.5	24.5
9-10 AM	296	0.0	47	0.0	1500	296	0	47	0.53	0	63.3	60.1	41.0	24.5	24.5
10-11 AM	286	0.0	46	0.0	1500	286	0	46	0.53	0	63.3	60.1	41.0	24.5	24.5
11A-NOON	270	0.0	43	0.0	1500	270	0	43	0.52	0	63.4	60.1	41.0	24.5	24.5
NOON-1PM	254	0.0	41	0.0	1500	254	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
1-2 PM	256	0.0	41	0.0	1500	256	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
2-3 PM	233	0.0	38	0.0	1500	233	0	38	0.52	0	63.5	60.2	41.2	24.5	24.5
3-4 PM	215	0.0	35	0.0	1500	215	0	35	0.52	0	63.5	60.2	41.2	24.6	24.6
4-5 PM	218	0.0	36	0.0	1500	218	0	36	0.52	0	63.5	60.2	41.2	24.6	24.6
5-6 PM	179	0.0	28	0.0	1500	179	0	28	0.52	0	63.6	60.3	41.4	24.7	24.7
6-7 PM	163	0.0	26	0.0	1500	163	0	26	0.51	0	63.6	60.4	41.4	24.7	24.7
7-8 PM	122	0.0	20	0.0	1500	122	0	20	0.51	0	63.7	60.4	41.5	24.7	24.7
8-9 PM	93	0.0	15	0.0	1500	93	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
9-10 PM	74	0.0	12	0.0	1500	74	0	12	0.51	0	63.8	60.5	41.7	24.8	24.8
10-11 PM	64	0.0	10	0.0	1500	64	0	10	0.50	0	63.8	60.5	41.8	24.8	24.8
11PM-MID	44	0.0	7	0.0	1500	44	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	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	0.0060
MAIN ROUTE WITH WORKS	0.0064
DIVERSION	0.0104

PIA: Personal Injury Accidents

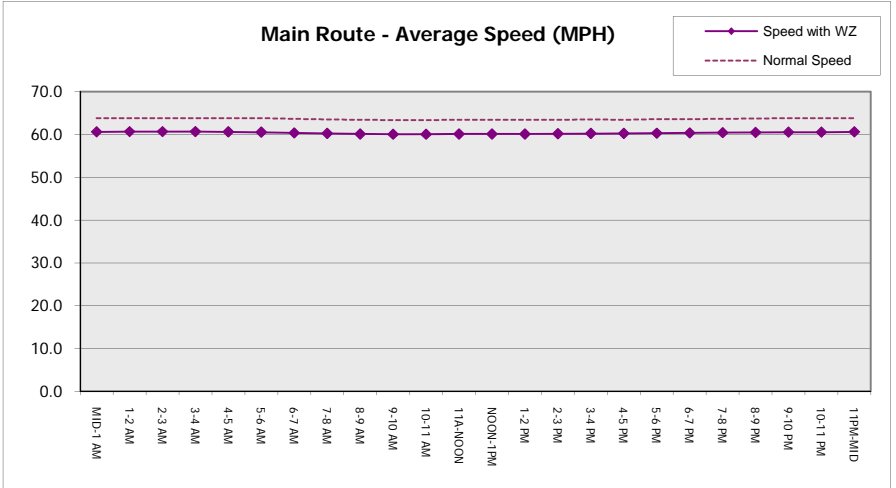
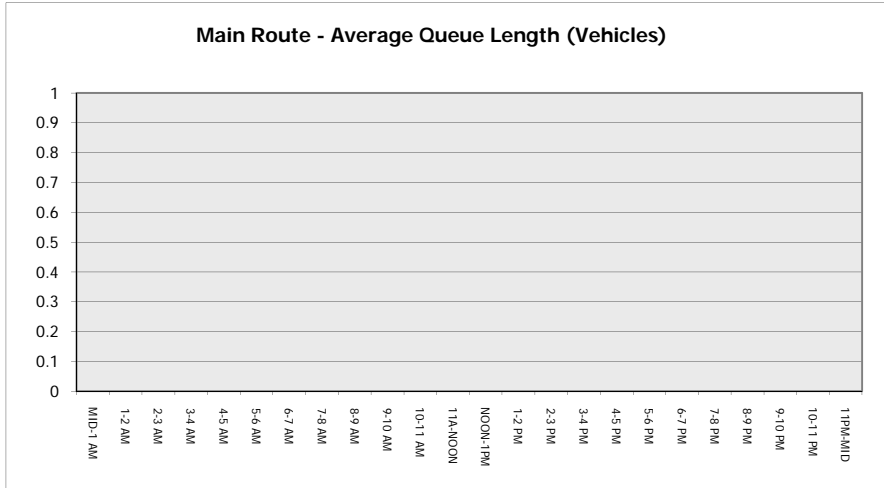
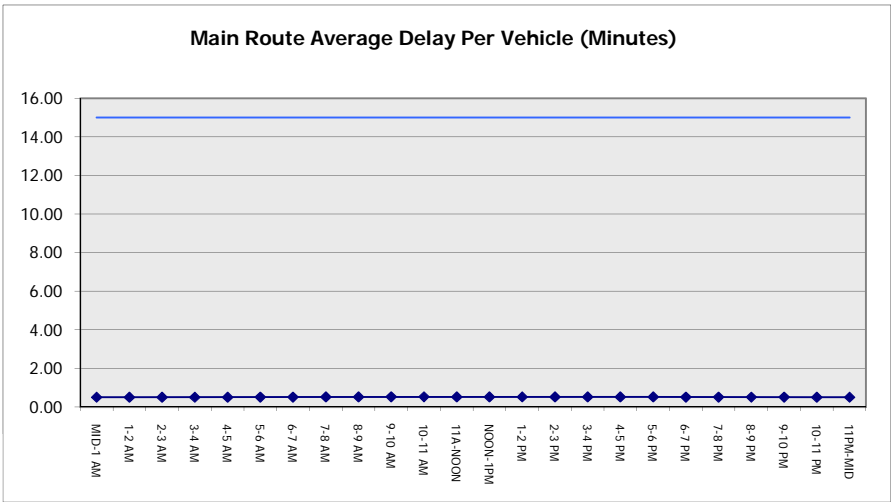
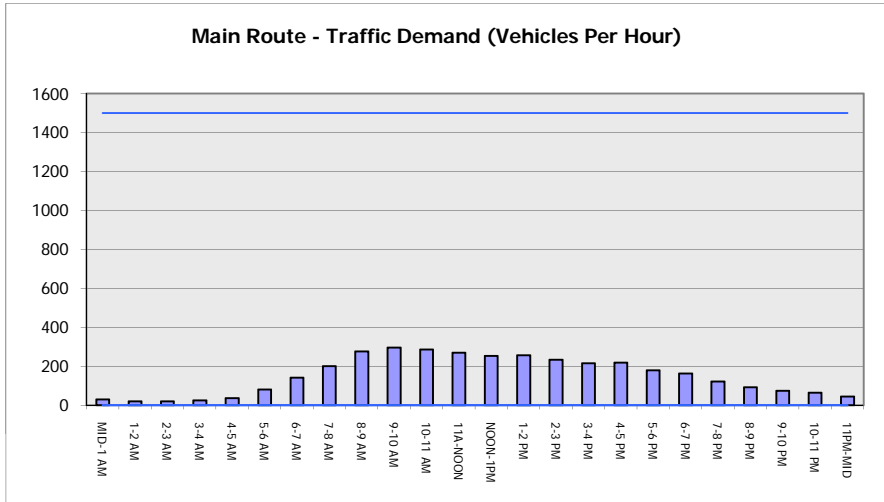
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$474
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SATURDAY 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	18	0.0	3	0.0	1500	18	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	26	0.0	4	0.0	1500	26	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
4-5 AM	30	0.0	5	0.0	1500	30	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
5-6 AM	37	0.0	6	0.0	1500	37	0	6	0.50	0	63.8	60.6	41.9	24.8	24.8
6-7 AM	76	0.0	13	0.0	1500	76	0	13	0.51	0	63.8	60.5	41.7	24.7	24.7
7-8 AM	119	0.0	19	0.0	1500	119	0	19	0.51	0	63.7	60.4	41.6	24.7	24.7
8-9 AM	188	0.0	30	0.0	1500	188	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
9-10 AM	257	0.0	41	0.0	1500	257	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
10-11 AM	307	0.0	49	0.0	1500	307	0	49	0.53	0	63.3	60.0	40.9	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	304	0.0	49	0.0	1500	304	0	49	0.53	0	63.3	60.1	40.9	24.5	24.5
1-2 PM	295	0.0	47	0.0	1500	295	0	47	0.53	0	63.3	60.1	41.0	24.5	24.5
2-3 PM	293	0.0	47	0.0	1500	293	0	47	0.53	0	63.3	60.1	41.0	24.5	24.5
3-4 PM	299	0.0	48	0.0	1500	299	0	48	0.53	0	63.3	60.1	41.0	24.5	24.5
4-5 PM	271	0.0	44	0.0	1500	271	0	44	0.52	0	63.4	60.1	41.0	24.5	24.5
5-6 PM	234	0.0	38	0.0	1500	234	0	38	0.52	0	63.5	60.2	41.2	24.5	24.5
6-7 PM	195	0.0	31	0.0	1500	195	0	31	0.52	0	63.5	60.2	41.3	24.6	24.6
7-8 PM	163	0.0	26	0.0	1500	163	0	26	0.51	0	63.6	60.4	41.4	24.7	24.7
8-9 PM	141	0.0	23	0.0	1500	141	0	23	0.51	0	63.7	60.4	41.5	24.7	24.7
9-10 PM	94	0.0	15	0.0	1500	94	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
10-11 PM	59	0.0	9	0.0	1500	59	0	9	0.50	0	63.8	60.5	41.8	24.8	24.8
11PM-MID	41	0.0	6	0.0	1500	41	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	0.0063
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.0110

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$502
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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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

