

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

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		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	17	0.0	3	0.0	1500	17	0	3	0.50	0	63.8	60.7	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	22	0.0	3	0.0	1500	22	0	3	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	61	0.0	9	0.0	1500	61	0	9	0.50	0	63.8	60.5	41.8	24.8	24.8
5-6 AM	138	0.0	22	0.0	1500	138	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
6-7 AM	210	0.0	34	0.0	1500	210	0	34	0.52	0	63.5	60.2	41.3	24.6	24.6
7-8 AM	251	0.0	40	0.0	1500	251	0	40	0.52	0	63.4	60.1	41.1	24.5	24.5
8-9 AM	242	0.0	39	0.0	1500	242	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
9-10 AM	243	0.0	39	0.0	1500	243	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
10-11 AM	260	0.0	42	0.0	1500	260	0	42	0.52	0	63.4	60.1	41.1	24.5	24.5
11A-NOON	248	0.0	40	0.0	1500	248	0	40	0.52	0	63.5	60.2	41.1	24.5	24.5
NOON-1PM	235	0.0	38	0.0	1500	235	0	38	0.52	0	63.5	60.2	41.2	24.5	24.5
1-2 PM	251	0.0	40	0.0	1500	251	0	40	0.52	0	63.4	60.1	41.1	24.5	24.5
2-3 PM	252	0.0	41	0.0	1500	252	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
3-4 PM	257	0.0	41	0.0	1500	257	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
4-5 PM	238	0.0	39	0.0	1500	238	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
5-6 PM	189	0.0	30	0.0	1500	189	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
6-7 PM	138	0.0	22	0.0	1500	138	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
7-8 PM	96	0.0	16	0.0	1500	96	0	16	0.51	0	63.7	60.5	41.7	24.7	24.7
8-9 PM	76	0.0	13	0.0	1500	76	0	13	0.51	0	63.8	60.5	41.7	24.7	24.7
9-10 PM	62	0.0	10	0.0	1500	62	0	10	0.50	0	63.8	60.5	41.8	24.8	24.8
10-11 PM	42	0.0	7	0.0	1500	42	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
11PM-MID	27	0.0	4	0.0	1500	27	0	4	0.50	0	63.8	60.7	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

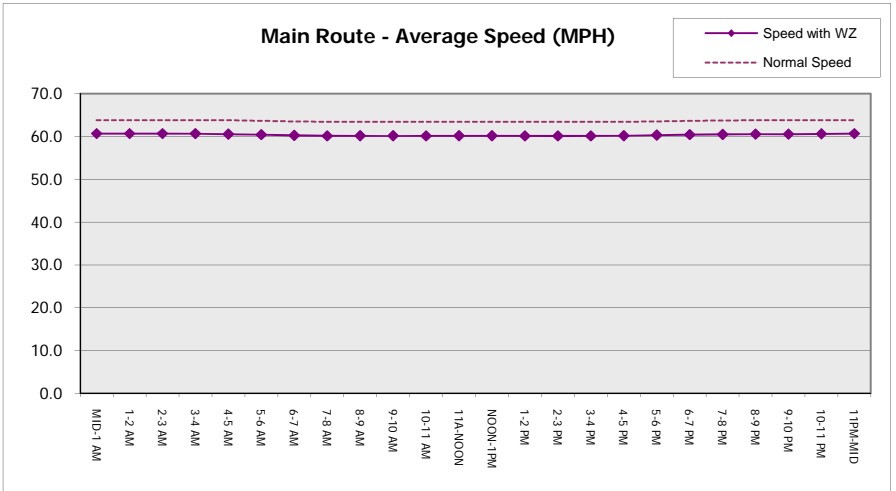
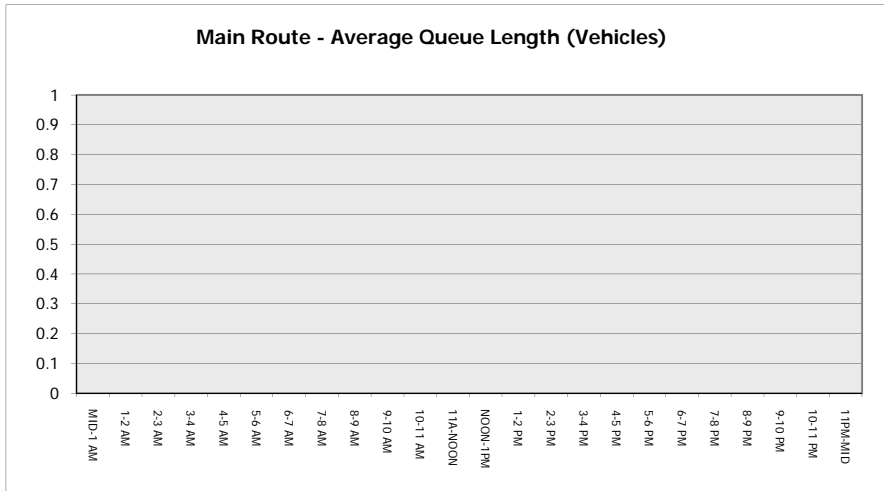
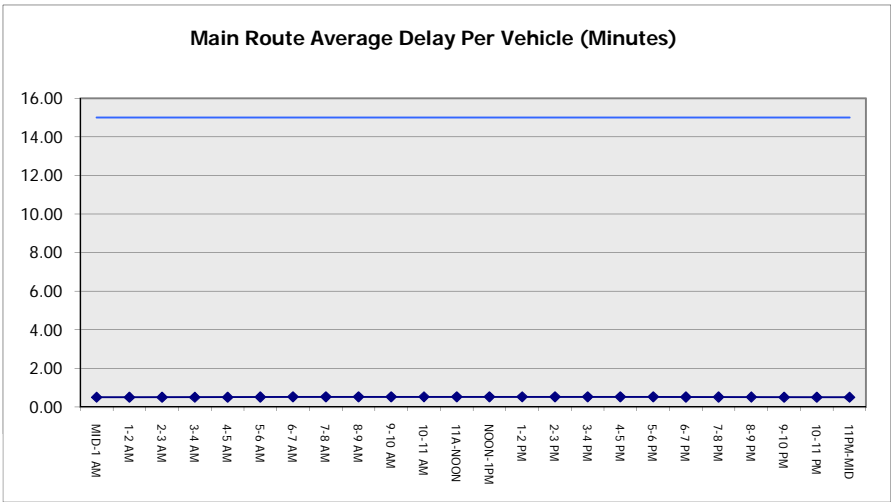
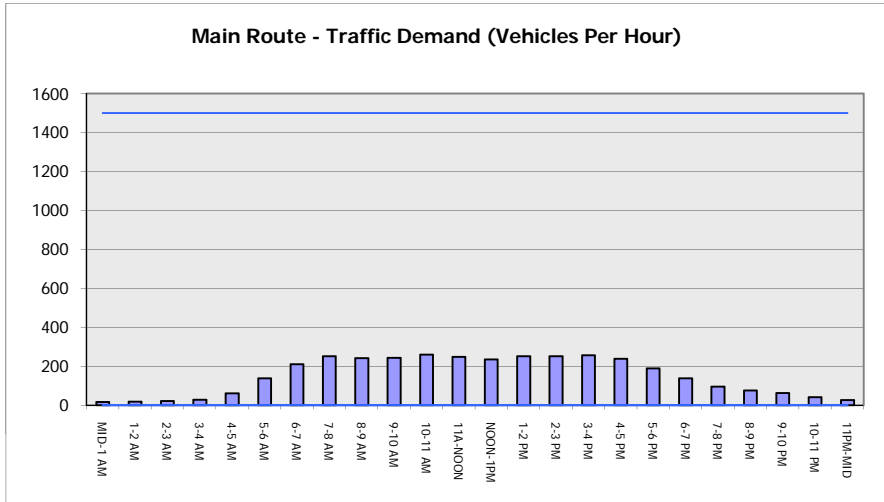
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$376
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

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	16	0.0	3	0.0	1500	16	0	3	0.50	0	63.9	60.7	41.9	24.8	24.8
1-2 AM	19	0.0	3	0.0	1500	19	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	30	0.0	5	0.0	1500	30	0	5	0.50	0	63.8	60.6	41.9	24.8	24.8
4-5 AM	57	0.0	9	0.0	1500	57	0	9	0.50	0	63.8	60.5	41.8	24.8	24.8
5-6 AM	89	0.0	15	0.0	1500	89	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
6-7 AM	149	0.0	24	0.0	1500	149	0	24	0.51	0	63.7	60.4	41.5	24.7	24.7
7-8 AM	171	0.0	27	0.0	1500	171	0	27	0.51	0	63.6	60.3	41.4	24.7	24.7
8-9 AM	189	0.0	30	0.0	1500	189	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
9-10 AM	201	0.0	32	0.0	1500	201	0	32	0.52	0	63.5	60.2	41.3	24.6	24.6
10-11 AM	222	0.0	36	0.0	1500	222	0	36	0.52	0	63.5	60.2	41.2	24.6	24.6
11A-NOON	218	0.0	36	0.0	1500	218	0	36	0.52	0	63.5	60.2	41.2	24.6	24.6
NOON-1PM	232	0.0	38	0.0	1500	232	0	38	0.52	0	63.5	60.2	41.2	24.5	24.5
1-2 PM	257	0.0	41	0.0	1500	257	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
2-3 PM	269	0.0	43	0.0	1500	269	0	43	0.52	0	63.4	60.1	41.0	24.5	24.5
3-4 PM	297	0.0	48	0.0	1500	297	0	48	0.53	0	63.3	60.1	41.0	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	210	0.0	34	0.0	1500	210	0	34	0.52	0	63.5	60.2	41.3	24.6	24.6
6-7 PM	157	0.0	25	0.0	1500	157	0	25	0.51	0	63.6	60.4	41.4	24.7	24.7
7-8 PM	111	0.0	18	0.0	1500	111	0	18	0.51	0	63.7	60.5	41.6	24.7	24.7
8-9 PM	76	0.0	13	0.0	1500	76	0	13	0.51	0	63.8	60.5	41.7	24.7	24.7
9-10 PM	60	0.0	9	0.0	1500	60	0	9	0.50	0	63.8	60.5	41.8	24.8	24.8
10-11 PM	45	0.0	7	0.0	1500	45	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	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	0.0057
MAIN ROUTE WITH WORKS	0.0061
DIVERSION	0.0099

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$357
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
MON-THUR EASTBOUND DIRECTION

