

STH 29: CTH Q TO CTH D (SHAWANO COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH Q - CTH D	MAY
	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	20	0.0	3	0.0	1500	20	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
1-2 AM	17	0.0	3	0.0	1500	17	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
2-3 AM	21	0.0	3	0.0	1500	21	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	55	0.0	8	0.0	1500	55	0	8	0.50	0	63.8	60.6	41.8	24.8	24.8
5-6 AM	111	0.0	18	0.0	1500	111	0	18	0.51	0	63.7	60.5	41.6	24.7	24.7
6-7 AM	182	0.0	29	0.0	1500	182	0	29	0.52	0	63.6	60.3	41.4	24.6	24.6
7-8 AM	226	0.0	37	0.0	1500	226	0	37	0.52	0	63.5	60.2	41.2	24.5	24.5
8-9 AM	240	0.0	39	0.0	1500	240	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
9-10 AM	243	0.0	40	0.0	1500	243	0	40	0.52	0	63.5	60.2	41.2	24.5	24.5
10-11 AM	230	0.0	38	0.0	1500	230	0	38	0.52	0	63.5	60.2	41.2	24.5	24.5
11A-NOON	230	0.0	37	0.0	1500	230	0	37	0.52	0	63.5	60.2	41.2	24.5	24.5
NOON-1PM	234	0.0	38	0.0	1500	234	0	38	0.52	0	63.5	60.2	41.2	24.5	24.5
1-2 PM	242	0.0	39	0.0	1500	242	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
2-3 PM	253	0.0	41	0.0	1500	253	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
3-4 PM	255	0.0	41	0.0	1500	255	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
4-5 PM	246	0.0	40	0.0	1500	246	0	40	0.52	0	63.5	60.2	41.1	24.5	24.5
5-6 PM	213	0.0	35	0.0	1500	213	0	35	0.52	0	63.5	60.2	41.2	24.6	24.6
6-7 PM	167	0.0	27	0.0	1500	167	0	27	0.51	0	63.6	60.3	41.4	24.7	24.7
7-8 PM	127	0.0	21	0.0	1500	127	0	21	0.51	0	63.7	60.4	41.5	24.7	24.7
8-9 PM	96	0.0	16	0.0	1500	96	0	16	0.51	0	63.7	60.5	41.7	24.7	24.7
9-10 PM	76	0.0	13	0.0	1500	76	0	13	0.51	0	63.8	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	33	0.0	5	0.0	1500	33	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	0.0060
MAIN ROUTE WITH WORKS	0.0064
DIVERSION	0.0105

PIA: Personal Injury Accidents

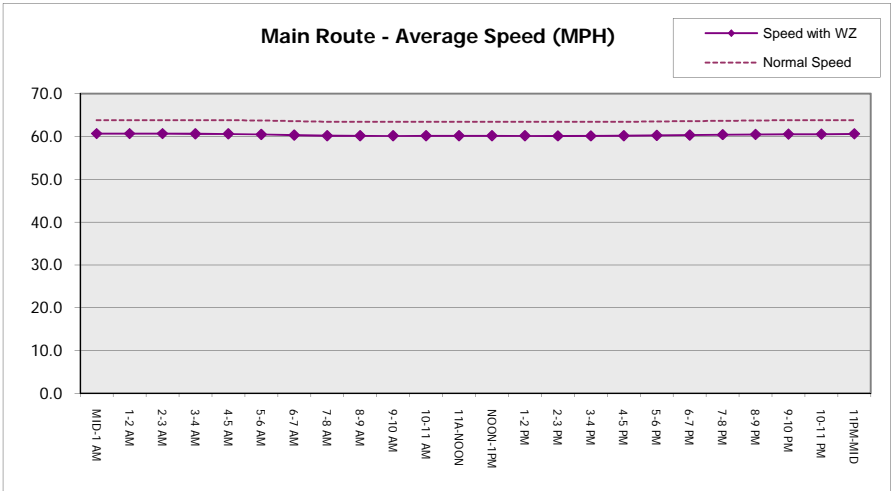
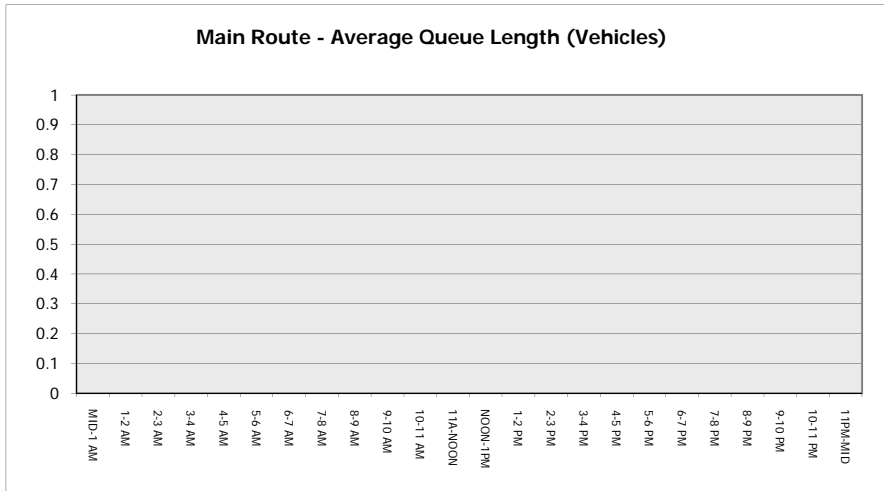
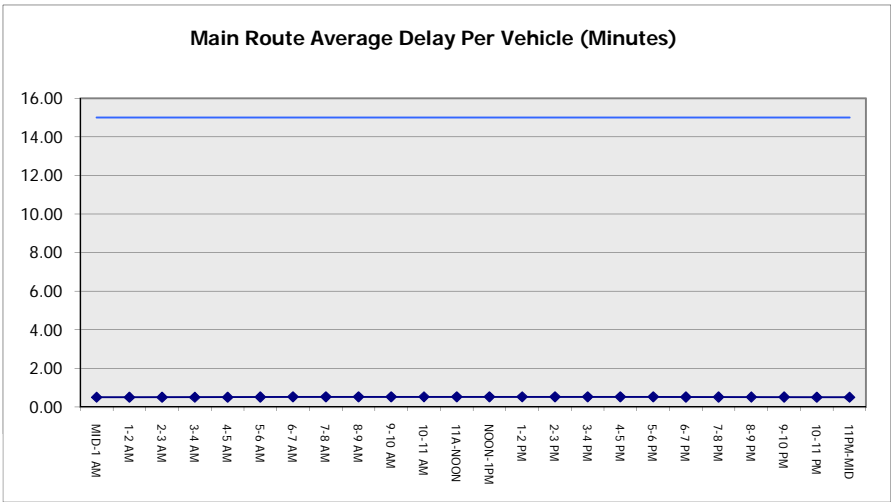
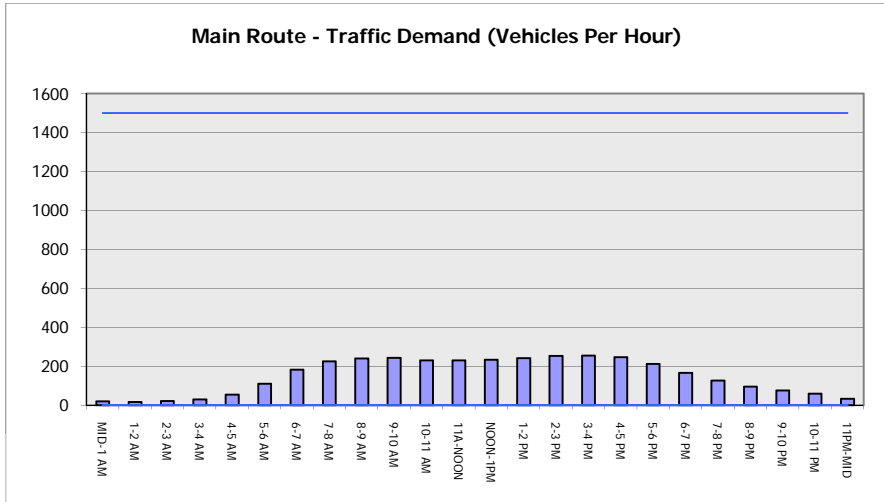
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$378
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 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	MAY
	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	20	0.0	3	0.0	1500	20	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
1-2 AM	15	0.0	2	0.0	1500	15	0	2	0.50	0	63.9	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	23	0.0	4	0.0	1500	23	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
4-5 AM	45	0.0	7	0.0	1500	45	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
5-6 AM	79	0.0	13	0.0	1500	79	0	13	0.51	0	63.8	60.5	41.7	24.7	24.7
6-7 AM	131	0.0	21	0.0	1500	131	0	21	0.51	0	63.7	60.4	41.5	24.7	24.7
7-8 AM	173	0.0	28	0.0	1500	173	0	28	0.52	0	63.6	60.3	41.4	24.7	24.7
8-9 AM	197	0.0	31	0.0	1500	197	0	31	0.52	0	63.5	60.2	41.3	24.6	24.6
9-10 AM	222	0.0	36	0.0	1500	222	0	36	0.52	0	63.5	60.2	41.2	24.6	24.6
10-11 AM	234	0.0	38	0.0	1500	234	0	38	0.52	0	63.5	60.2	41.2	24.5	24.5
11A-NOON	242	0.0	39	0.0	1500	242	0	39	0.52	0	63.5	60.2	41.2	24.5	24.5
NOON-1PM	256	0.0	41	0.0	1500	256	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
1-2 PM	278	0.0	45	0.0	1500	278	0	45	0.53	0	63.4	60.1	41.0	24.5	24.5
2-3 PM	297	0.0	48	0.0	1500	297	0	48	0.53	0	63.3	60.1	41.0	24.5	24.5
3-4 PM	329	0.0	52	0.0	1500	329	0	52	0.53	0	63.3	60.0	40.9	24.5	24.5
4-5 PM	318	0.0	51	0.0	1500	318	0	51	0.53	0	63.3	60.0	40.9	24.5	24.5
5-6 PM	257	0.0	41	0.0	1500	257	0	41	0.52	0	63.4	60.1	41.1	24.5	24.5
6-7 PM	188	0.0	30	0.0	1500	188	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
7-8 PM	138	0.0	22	0.0	1500	138	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
8-9 PM	105	0.0	17	0.0	1500	105	0	17	0.51	0	63.7	60.5	41.6	24.7	24.7
9-10 PM	73	0.0	12	0.0	1500	73	0	12	0.51	0	63.8	60.5	41.7	24.8	24.8
10-11 PM	53	0.0	8	0.0	1500	53	0	8	0.50	0	63.8	60.6	41.8	24.8	24.8
11PM-MID	37	0.0	6	0.0	1500	37	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	0.0062
MAIN ROUTE WITH WORKS	0.0066
DIVERSION	0.0108

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$393
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

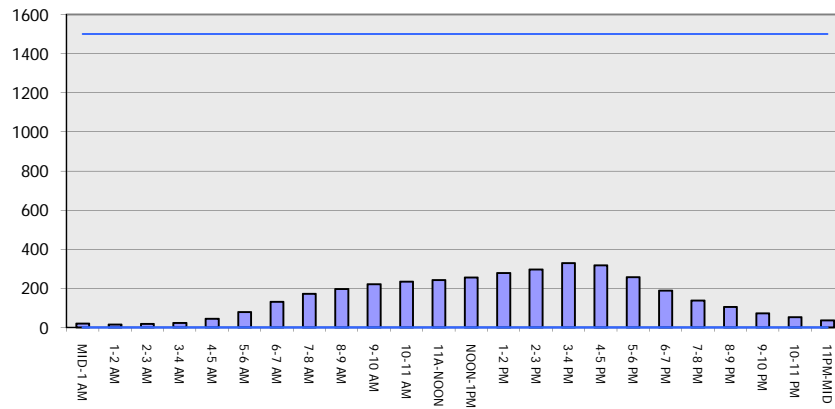
STH 29: CTH Q TO CTH D (SHAWANO COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH Q - CTH D

MAY
 Analyzed for 2009
 Construction Season

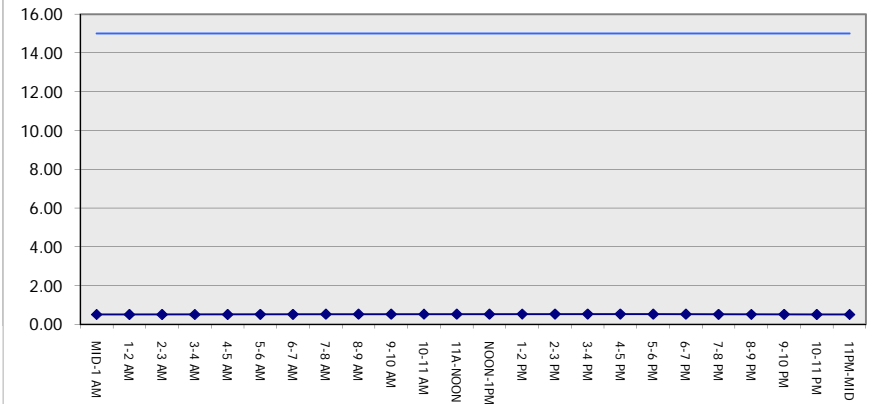
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR EASTBOUND DIRECTION

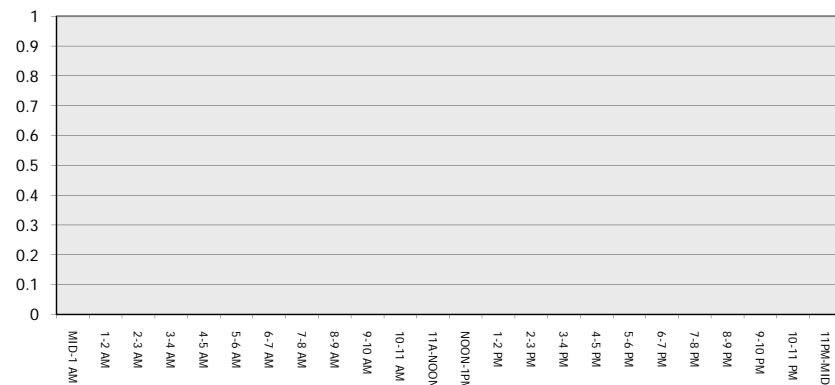
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

