

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

SUNDAY 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	36	0.0	5	0.0	1500	36	0	5	0.50	0	63.8	60.6	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	18	0.0	3	0.0	1500	18	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
3-4 AM	15	0.0	2	0.0	1500	15	0	2	0.50	0	63.9	60.7	41.9	24.8	24.8
4-5 AM	17	0.0	3	0.0	1500	17	0	3	0.50	0	63.8	60.7	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	61	0.0	9	0.0	1500	61	0	9	0.50	0	63.8	60.5	41.8	24.8	24.8
7-8 AM	121	0.0	20	0.0	1500	121	0	20	0.51	0	63.7	60.4	41.5	24.7	24.7
8-9 AM	187	0.0	30	0.0	1500	187	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
9-10 AM	281	0.0	45	0.0	1500	281	0	45	0.53	0	63.4	60.1	41.0	24.5	24.5
10-11 AM	395	0.0	64	0.0	1500	395	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
11A-NOON	459	0.0	74	0.0	1500	459	0	74	0.54	0	63.0	59.7	40.4	24.3	24.3
NOON-1PM	468	0.0	75	0.0	1500	468	0	75	0.54	0	63.0	59.7	40.4	24.3	24.3
1-2 PM	467	0.0	75	0.0	1500	467	0	75	0.54	0	63.0	59.7	40.4	24.3	24.3
2-3 PM	452	0.0	72	0.0	1500	452	0	72	0.54	0	63.0	59.7	40.4	24.3	24.3
3-4 PM	442	0.0	71	0.0	1500	442	0	71	0.54	0	63.1	59.7	40.5	24.3	24.3
4-5 PM	422	0.0	68	0.0	1500	422	0	68	0.54	0	63.1	59.7	40.6	24.3	24.3
5-6 PM	338	0.0	54	0.0	1500	338	0	54	0.53	0	63.3	59.9	40.9	24.4	24.4
6-7 PM	279	0.0	45	0.0	1500	279	0	45	0.53	0	63.4	60.1	41.0	24.5	24.5
7-8 PM	224	0.0	36	0.0	1500	224	0	36	0.52	0	63.5	60.2	41.2	24.6	24.6
8-9 PM	185	0.0	29	0.0	1500	185	0	29	0.52	0	63.5	60.3	41.4	24.6	24.6
9-10 PM	134	0.0	22	0.0	1500	134	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
10-11 PM	190	0.0	30	0.0	1500	190	0	30	0.52	0	63.5	60.3	41.4	24.6	24.6
11PM-MID	102	0.0	17	0.0	1500	102	0	17	0.51	0	63.7	60.5	41.7	24.7	24.7

----- 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	0.0089
MAIN ROUTE WITH WORKS	0.0095
DIVERSION	0.0155

PIA: Personal Injury Accidents

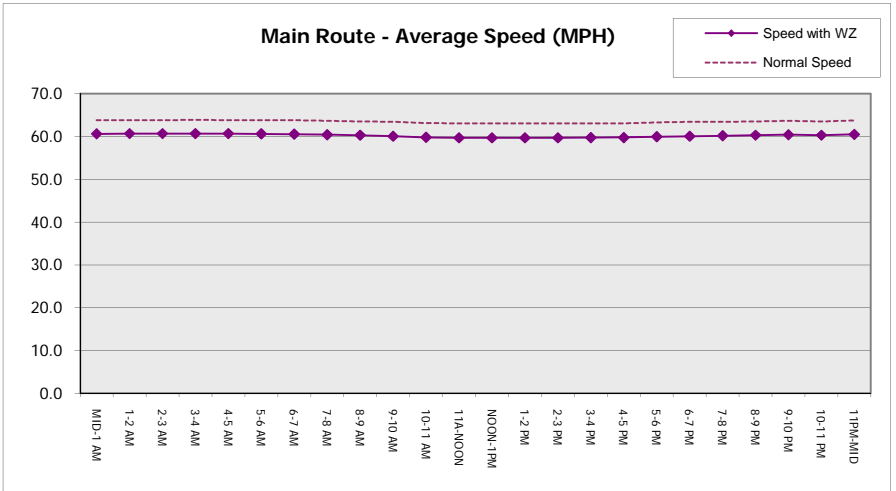
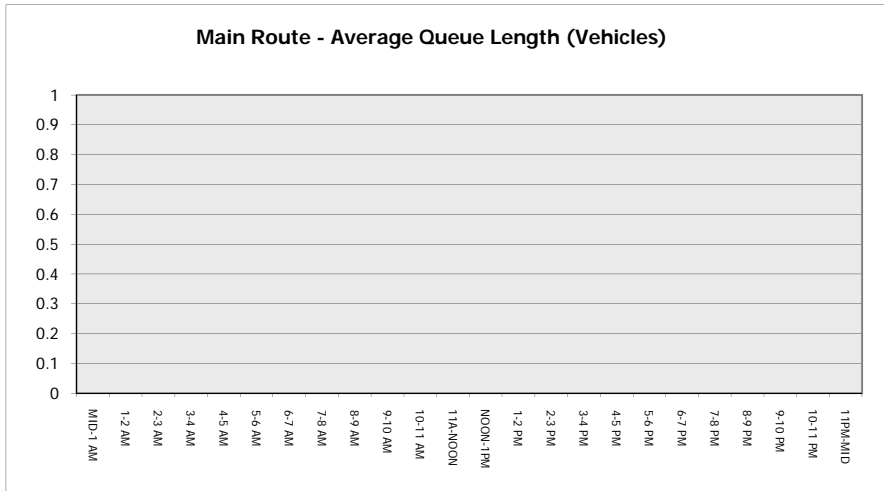
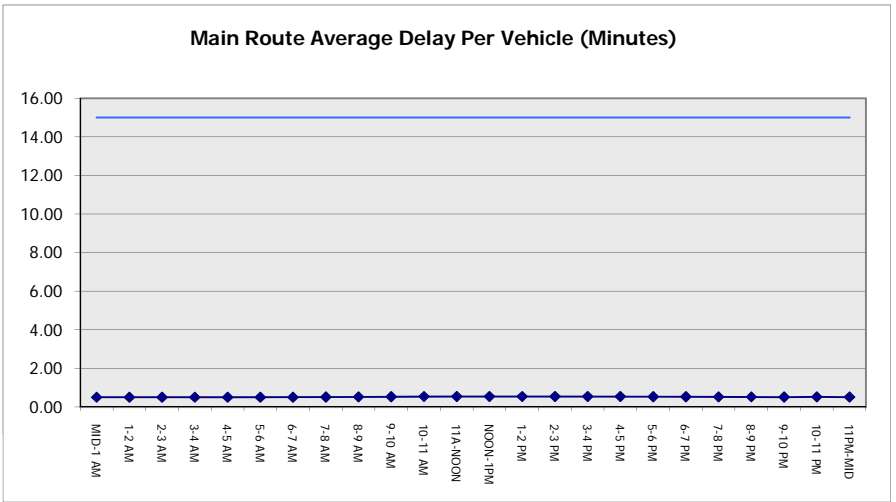
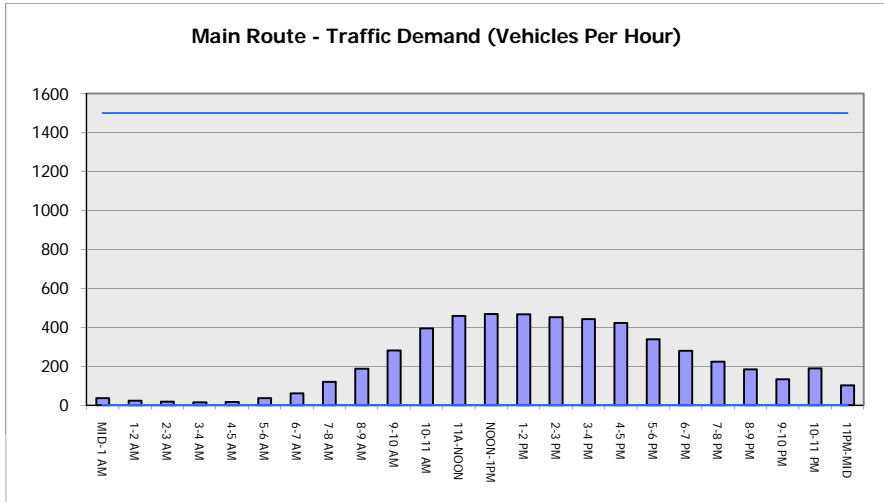
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$741
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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

SUNDAY 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	34	0.0	5	0.0	1500	34	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	15	0.0	2	0.0	1500	15	0	2	0.50	0	63.9	60.7	41.9	24.8	24.8
3-4 AM	14	0.0	2	0.0	1500	14	0	2	0.50	0	63.9	60.7	42.0	24.8	24.8
4-5 AM	18	0.0	3	0.0	1500	18	0	3	0.50	0	63.8	60.7	41.9	24.8	24.8
5-6 AM	25	0.0	4	0.0	1500	25	0	4	0.50	0	63.8	60.7	41.9	24.8	24.8
6-7 AM	44	0.0	7	0.0	1500	44	0	7	0.50	0	63.8	60.6	41.9	24.8	24.8
7-8 AM	90	0.0	15	0.0	1500	90	0	15	0.51	0	63.7	60.5	41.7	24.7	24.7
8-9 AM	174	0.0	28	0.0	1500	174	0	28	0.52	0	63.6	60.3	41.4	24.7	24.7
9-10 AM	300	0.0	48	0.0	1500	300	0	48	0.53	0	63.3	60.1	41.0	24.5	24.5
10-11 AM	399	0.0	64	0.0	1500	399	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
11A-NOON	487	0.0	78	0.0	1500	487	0	78	0.54	0	63.0	59.6	40.4	24.2	24.2
NOON-1PM	532	0.0	86	0.0	1500	532	0	86	0.55	0	62.9	59.5	40.2	24.2	24.2
1-2 PM	591	0.0	95	0.0	1500	591	0	95	0.55	0	62.8	59.4	40.0	24.1	24.1
2-3 PM	610	0.0	98	0.0	1500	610	0	98	0.56	0	62.8	59.4	39.9	24.1	24.1
3-4 PM	605	0.0	97	0.0	1500	605	0	97	0.56	0	62.8	59.4	39.9	24.1	24.1
4-5 PM	576	0.0	93	0.0	1500	576	0	93	0.55	0	62.8	59.4	40.1	24.2	24.2
5-6 PM	481	0.0	77	0.0	1500	481	0	77	0.54	0	63.0	59.6	40.4	24.2	24.2
6-7 PM	399	0.0	64	0.0	1500	399	0	64	0.54	0	63.2	59.8	40.6	24.3	24.3
7-8 PM	315	0.0	50	0.0	1500	315	0	50	0.53	0	63.3	60.0	40.9	24.5	24.5
8-9 PM	219	0.0	36	0.0	1500	219	0	36	0.52	0	63.5	60.2	41.2	24.6	24.6
9-10 PM	137	0.0	22	0.0	1500	137	0	22	0.51	0	63.7	60.4	41.5	24.7	24.7
10-11 PM	84	0.0	14	0.0	1500	84	0	14	0.51	0	63.7	60.5	41.7	24.7	24.7
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	0.0103
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.0179

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$875
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

