

**STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE:CTH CE - CTH N - CTH 00**

AUGUST

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY SOUTHBOUND 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	326	0.0	89	0.0	1500	326	0	89	0.45	0	65.8	52.7	44.2	24.2	24.2
1-2 AM	176	0.0	58	0.0	1500	176	0	58	0.44	0	66.1	53.2	44.8	24.4	24.4
2-3 AM	89	0.0	48	0.0	1500	89	0	48	0.43	0	66.2	53.5	45.1	24.5	24.5
3-4 AM	72	0.0	35	0.0	1500	72	0	35	0.43	0	66.3	53.5	45.2	24.6	24.6
4-5 AM	74	0.0	36	0.0	1500	74	0	36	0.43	0	66.3	53.5	45.2	24.6	24.6
5-6 AM	128	0.0	74	0.0	1500	128	0	74	0.43	0	66.1	53.3	45.0	24.3	24.3
6-7 AM	243	0.0	100	0.0	1500	243	0	100	0.45	0	66.0	53.0	44.5	24.1	24.1
7-8 AM	463	0.0	110	0.0	1500	463	0	110	0.47	0	65.5	52.2	43.7	24.0	24.0
8-9 AM	777	0.0	162	0.0	1500	777	0	162	0.50	0	65.0	51.2	42.5	23.6	23.6
9-10 AM	1178	0.0	237	0.0	OFF	1178	0	237	0.00	0	64.2	64.2	64.2	23.0	23.0
10-11 AM	1621	0.0	363	0.0	OFF	1621	0	363	0.00	0	63.3	63.3	63.3	22.0	22.0
11A-NOON	1874	0.0	405	0.0	OFF	1874	0	405	0.00	0	62.9	62.9	62.9	21.7	21.7
NOON-1PM	1810	0.0	442	0.0	OFF	1810	0	442	0.00	0	63.0	63.0	63.0	21.4	21.4
1-2 PM	1683	0.0	430	0.0	OFF	1683	0	430	0.00	0	63.3	63.3	63.3	21.5	21.5
2-3 PM	1642	0.0	422	0.0	OFF	1642	0	422	0.00	0	63.3	63.3	63.3	21.6	21.6
3-4 PM	1566	0.0	390	0.0	OFF	1566	0	390	0.00	0	63.5	63.5	63.5	21.9	21.9
4-5 PM	1605	0.0	350	0.0	OFF	1605	0	350	0.00	0	63.4	63.4	63.4	22.2	22.2
5-6 PM	1585	0.0	340	0.0	OFF	1585	0	340	0.00	0	63.4	63.4	63.4	22.2	22.2
6-7 PM	1234	0.0	302	0.0	OFF	1234	0	302	0.00	0	64.1	64.1	64.1	22.5	22.5
7-8 PM	1052	0.0	225	0.0	1500	1052	0	225	0.52	0	64.4	50.3	41.5	23.1	23.1
8-9 PM	876	0.0	188	0.0	1500	876	0	188	0.51	0	64.8	50.9	42.1	23.4	23.4
9-10 PM	640	0.0	180	0.0	1500	640	0	180	0.48	0	65.2	51.6	43.0	23.5	23.5
10-11 PM	459	0.0	129	0.0	1500	459	0	129	0.47	0	65.5	52.2	43.7	23.8	23.8
11PM-MID	296	0.0	112	0.0	1500	296	0	112	0.45	0	65.8	52.8	44.3	24.0	24.0

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0068
MAIN ROUTE WITH WORKS	0.0065
DIVERSION	0.0387

PIA: Personal Injury Accidents

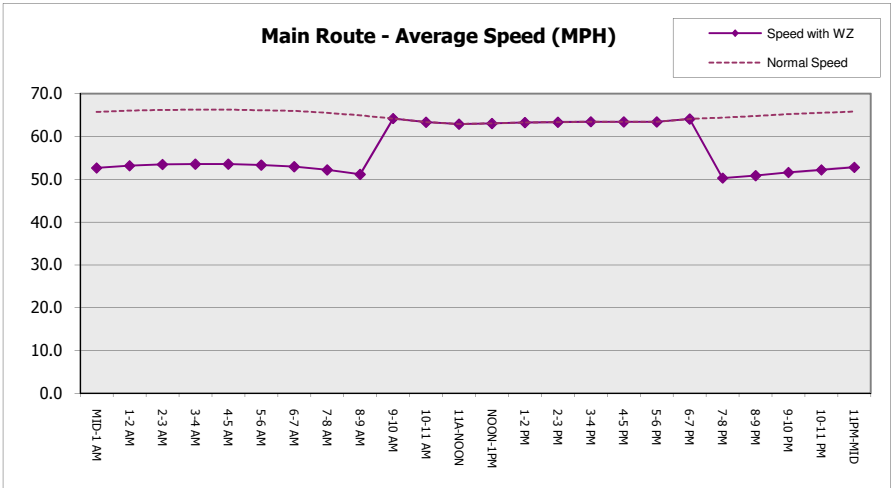
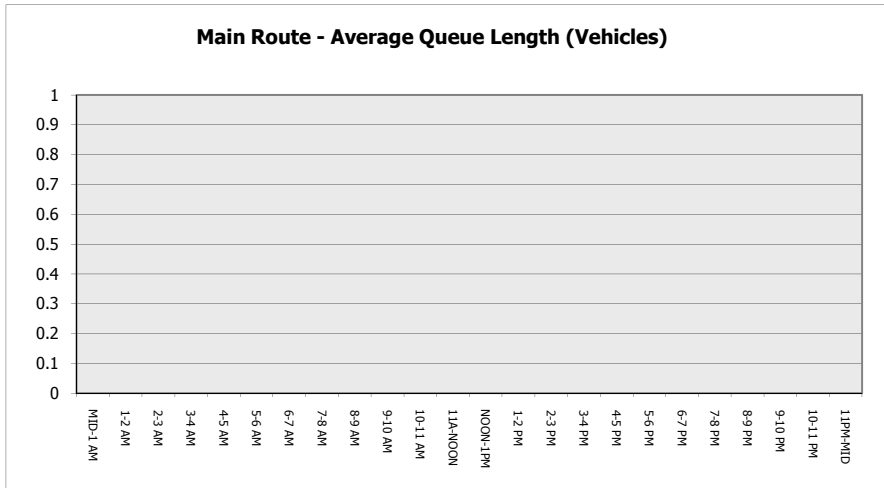
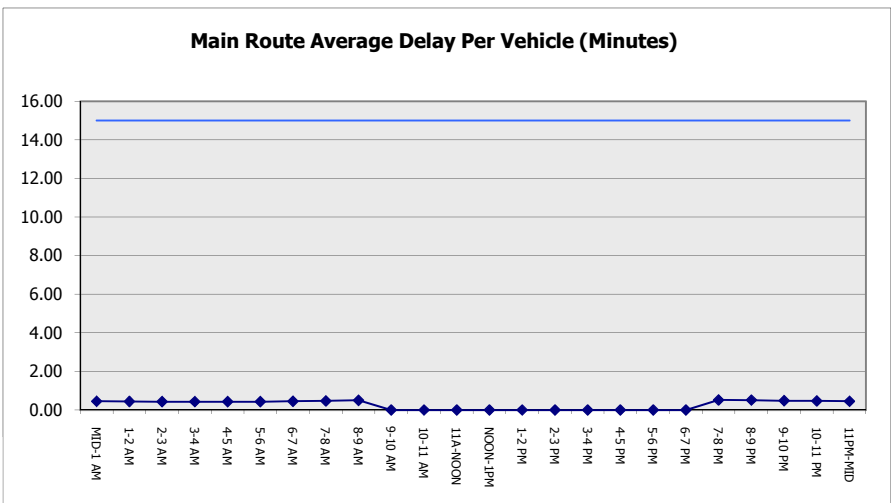
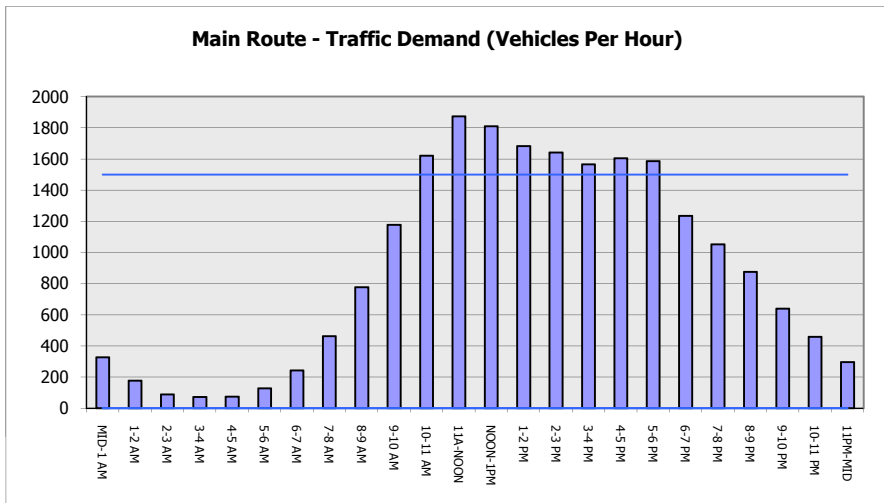
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$802
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE:CTH CE - CTH N - CTH 00

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



STH 441: CTH OO TO CTH CE (OUTAGAMIE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE:CTH CE - CTH N - CTH OO	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	NORTHBOUND 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	370	0.0	120	0.0	1500	370	0	120	0.46	0	65.7	52.5	44.0	23.9	23.9
1-2 AM	176	0.0	75	0.0	1500	176	0	75	0.44	0	66.1	53.2	44.8	24.3	24.3
2-3 AM	129	0.0	56	0.0	1500	129	0	56	0.43	0	66.1	53.3	45.0	24.4	24.4
3-4 AM	106	0.0	38	0.0	1500	106	0	38	0.43	0	66.2	53.4	45.1	24.5	24.5
4-5 AM	96	0.0	31	0.0	1500	96	0	31	0.43	0	66.2	53.5	45.1	24.6	24.6
5-6 AM	128	0.0	56	0.0	1500	128	0	56	0.43	0	66.1	53.3	45.0	24.4	24.4
6-7 AM	188	0.0	114	0.0	1500	188	0	114	0.44	0	66.0	53.2	44.7	24.0	24.0
7-8 AM	313	0.0	92	0.0	1500	313	0	92	0.45	0	65.8	52.7	44.2	24.2	24.2
8-9 AM	573	0.0	163	0.0	1500	573	0	163	0.48	0	65.3	51.9	43.2	23.6	23.6
9-10 AM	963	0.0	251	0.0	OFF	963	0	251	0.00	0	64.6	64.6	64.6	22.9	22.9
10-11 AM	1472	0.0	363	0.0	OFF	1472	0	363	0.00	0	63.7	63.7	63.7	22.0	22.0
11A-NOON	1910	0.0	444	0.0	OFF	1910	0	444	0.00	0	62.8	62.8	62.8	21.4	21.4
NOON-1PM	2042	0.0	464	0.0	OFF	2042	0	464	0.00	0	62.6	62.6	62.6	21.3	21.3
1-2 PM	2094	0.0	524	0.0	OFF	2094	0	524	0.00	0	62.5	62.5	62.5	20.8	20.8
2-3 PM	2261	0.0	521	0.0	OFF	2261	0	521	0.00	0	62.2	62.2	62.2	20.9	20.9
3-4 PM	2367	0.0	573	0.0	OFF	2367	0	573	0.00	0	62.0	62.0	62.0	20.4	20.4
4-5 PM	2351	0.0	556	0.0	OFF	2351	0	556	0.00	0	62.0	62.0	62.0	20.6	20.6
5-6 PM	2421	0.0	547	0.0	OFF	2421	0	547	0.00	0	61.7	61.7	61.7	20.6	20.6
6-7 PM	2048	0.0	513	0.0	OFF	2048	0	513	0.00	0	62.6	62.6	62.6	20.9	20.9
7-8 PM	1874	0.0	411	0.0	1499	1874	0	411	7.59	203	62.9	13.7	30.8	21.7	22.0
8-9 PM	1524	0.0	344	0.0	1499	1485	39	383	15.48	390	63.5	9.1	30.8	22.2	23.2
9-10 PM	1079	0.0	264	0.0	1499	1079	0	264	4.76	177	64.4	19.4	36.0	22.8	23.2
10-11 PM	690	0.0	178	0.0	1500	690	0	178	0.49	0	65.1	51.4	42.8	23.5	23.5
11PM-MID	356	0.0	102	0.0	1500	356	0	102	0.46	0	65.7	52.5	44.1	24.0	24.0

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0088
MAIN ROUTE WITH WORKS	0.0083
DIVERSION	0.0506

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$12,966
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE:CTH CE - CTH N - CTH 00

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

