

<b>STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH CE - CTH N - CTH 00</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY                      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	167	0.0	42	0.0	1500	167	0	42	0.44	0	66.1	53.2	44.8	24.5	24.5
1-2 AM	122	0.0	33	0.0	1500	122	0	33	0.43	0	66.1	53.3	45.0	24.6	24.6
2-3 AM	115	0.0	32	0.0	1500	115	0	32	0.43	0	66.2	53.4	45.0	24.6	24.6
3-4 AM	105	0.0	33	0.0	1500	105	0	33	0.43	0	66.2	53.4	45.1	24.6	24.6
4-5 AM	196	0.0	118	0.0	1500	196	0	118	0.44	0	66.0	53.1	44.7	23.9	23.9
5-6 AM	388	0.0	300	0.0	1500	388	0	300	0.46	0	65.6	52.5	44.0	22.5	22.5
6-7 AM	870	0.0	586	0.0	1500	870	0	586	0.51	0	64.8	50.9	42.2	20.4	20.4
7-8 AM	1238	0.0	902	0.0	1500	1238	0	902	0.69	0	64.1	46.9	37.3	17.9	17.9
8-9 AM	1323	0.0	591	0.0	1500	1323	0	591	0.80	0	63.9	44.9	34.9	20.3	20.3
9-10 AM	1420	0.0	430	0.0	1500	1420	0	430	0.92	0	63.7	42.8	32.5	21.5	21.5
10-11 AM	1473	0.0	441	0.0	1499	1473	0	441	0.99	0	63.7	41.7	31.4	21.5	21.5
11A-NOON	1503	0.0	493	0.0	1499	1503	0	493	1.07	1	63.6	40.5	30.9	21.1	21.1
NOON-1PM	1550	0.0	540	0.0	1500	1550	0	540	1.84	23	63.5	32.2	30.8	20.7	20.7
1-2 PM	1734	0.0	571	0.0	1500	1734	0	571	6.56	163	63.2	14.7	30.8	20.4	20.6
2-3 PM	1838	0.0	594	0.0	1500	1725	114	708	16.59	425	63.0	8.8	30.8	20.3	20.8
3-4 PM	2032	0.0	697	0.0	1499	1595	437	1134	22.04	568	62.6	7.8	30.8	19.5	18.1
4-5 PM	2199	0.0	725	0.0	1500	1560	639	1364	25.02	649	62.3	7.5	30.8	19.3	16.5
5-6 PM	2085	0.0	668	0.0	1499	1435	650	1319	24.39	632	62.5	7.5	30.8	19.7	16.8
6-7 PM	2240	0.0	474	0.0	1500	1463	778	1251	23.49	608	62.2	7.6	30.8	21.2	17.3
7-8 PM	1453	0.0	304	0.0	1500	1230	224	527	16.17	413	63.7	8.9	30.8	22.5	22.1
8-9 PM	862	0.0	226	0.0	1499	862	0	226	1.82	81	64.8	33.1	40.6	23.1	23.2
9-10 PM	672	0.0	246	0.0	1500	672	0	246	0.49	0	65.1	51.5	42.8	23.0	23.0
10-11 PM	539	0.0	189	0.0	1500	539	0	189	0.47	0	65.4	51.9	43.3	23.4	23.4
11PM-MID	374	0.0	134	0.0	1500	374	0	134	0.46	0	65.7	52.5	44.0	23.8	23.8

*----- 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	0.0084
MAIN ROUTE WITH WORKS	0.0060
DIVERSION	0.0904

PIA: Personal Injury Accidents

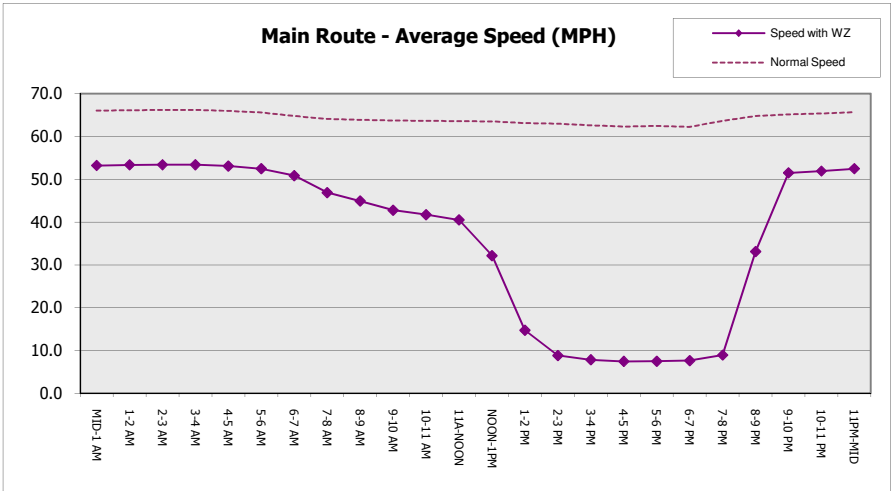
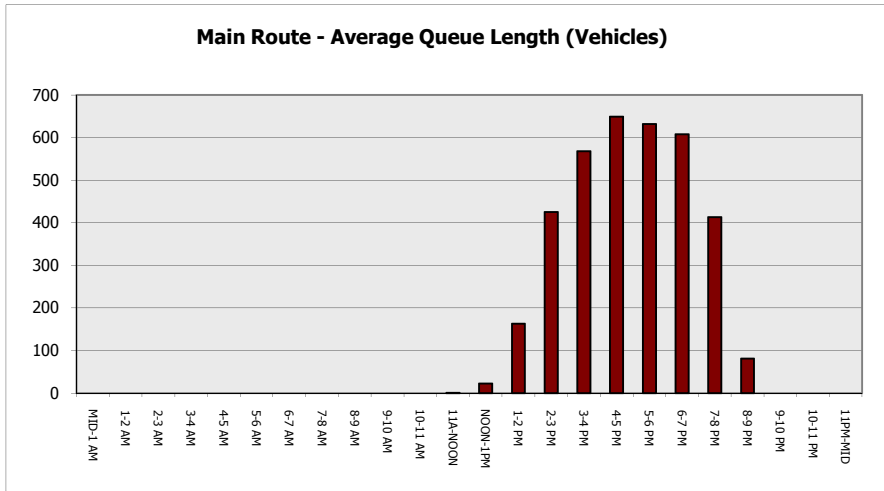
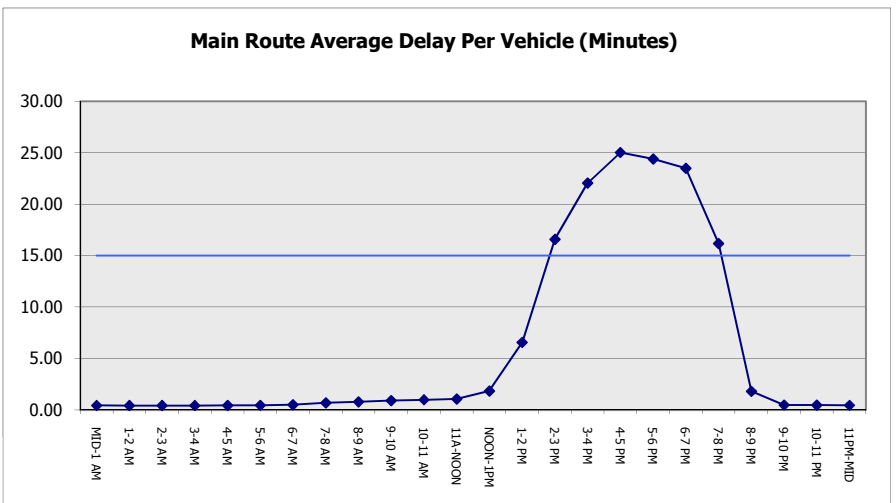
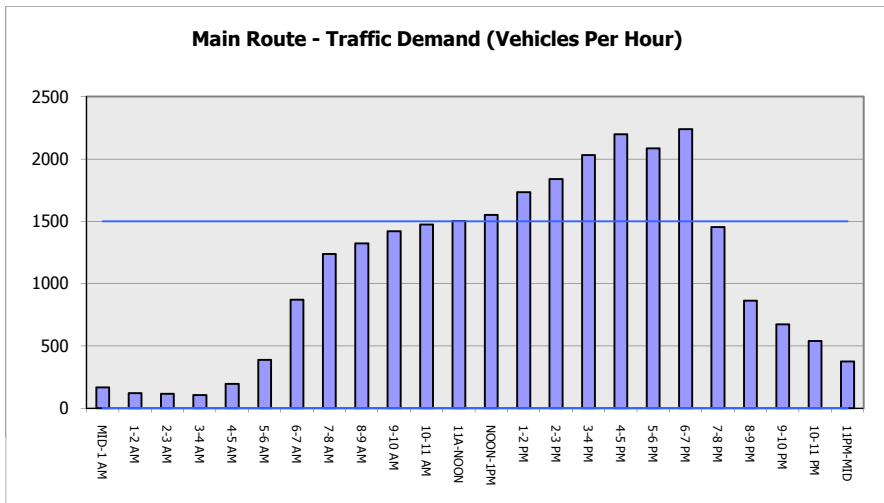
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$70,533
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: CTH CE - CTH N - CTH 00**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



**STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: CTH CE - CTH N - CTH 00**

**OCTOBER**  
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**SUMMARY OF TRAFFIC MODEL OUTPUT**  
FRIDAY 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	134	0.0	93	0.0	1500	134	0	93	0.44	0	66.1	53.3	45.0	24.2	24.2
1-2 AM	104	0.0	61	0.0	1500	104	0	61	0.43	0	66.2	53.5	45.1	24.3	24.3
2-3 AM	90	0.0	48	0.0	1500	90	0	48	0.43	0	66.2	53.5	45.1	24.5	24.5
3-4 AM	131	0.0	28	0.0	1500	131	0	28	0.44	0	66.1	53.3	45.0	24.7	24.7
4-5 AM	212	0.0	55	0.0	1500	212	0	55	0.44	0	66.0	53.0	44.6	24.4	24.4
5-6 AM	460	0.0	186	0.0	1500	460	0	186	0.47	0	65.5	52.2	43.7	23.4	23.4
6-7 AM	811	0.0	478	0.0	1500	811	0	478	0.50	0	64.9	51.0	42.4	21.2	21.2
7-8 AM	1037	0.0	754	0.0	1500	1037	0	754	0.52	0	64.5	50.3	41.5	19.1	19.1
8-9 AM	900	0.0	584	0.0	1500	900	0	584	0.51	0	64.7	50.7	42.0	20.4	20.4
9-10 AM	861	0.0	475	0.0	1500	861	0	475	0.51	0	64.8	50.9	42.2	21.2	21.2
10-11 AM	928	0.0	515	0.0	1500	928	0	515	0.51	0	64.6	50.7	41.9	20.9	20.9
11A-NOON	1038	0.0	598	0.0	1500	1038	0	598	0.52	0	64.5	50.3	41.5	20.2	20.2
NOON-1PM	1166	0.0	630	0.0	1500	1166	0	630	0.59	0	64.2	48.7	39.6	20.0	20.0
1-2 PM	1358	0.0	672	0.0	1499	1358	0	672	0.84	0	63.8	44.2	34.0	19.7	19.7
2-3 PM	1594	0.0	855	0.0	1499	1594	0	855	2.11	34	63.4	29.9	30.8	18.3	18.3
3-4 PM	1756	0.0	996	0.0	1500	1756	0	996	8.43	212	63.1	12.5	30.8	17.2	17.5
4-5 PM	1882	0.0	1139	0.0	1500	1817	66	1204	20.33	528	62.9	8.1	30.8	16.1	17.4
5-6 PM	1750	0.0	984	0.0	1499	1409	340	1324	24.46	633	63.2	7.5	30.8	17.3	16.8
6-7 PM	1359	0.0	693	0.0	1500	1273	86	779	17.92	458	63.8	8.5	30.8	19.5	20.4
7-8 PM	1010	0.0	442	0.0	1499	1010	0	442	3.19	140	64.5	24.8	37.6	21.4	21.7
8-9 PM	755	0.0	370	0.0	1500	755	0	370	0.50	0	65.0	51.2	42.5	22.0	22.0
9-10 PM	507	0.0	329	0.0	1500	507	0	329	0.47	0	65.5	52.0	43.5	22.3	22.3
10-11 PM	563	0.0	299	0.0	1500	563	0	299	0.48	0	65.3	51.9	43.3	22.5	22.5
11PM-MID	455	0.0	198	0.0	1500	455	0	198	0.47	0	65.5	52.2	43.7	23.3	23.3

**\*----- 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	0.0066
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.0886

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

ROAD USER COSTS PER DAY ( DOLLARS)	\$33,406
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH CE - CTH N - CTH 00**

**OCTOBER**  
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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

