

STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH CE - CTH N - CTH 00	AUGUST
	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	224	0.0	63	0.0	1500	224	0	63	0.44	0	66.0	53.0	44.6	24.3	24.3
1-2 AM	148	0.0	45	0.0	1500	148	0	45	0.44	0	66.1	53.3	44.9	24.5	24.5
2-3 AM	136	0.0	37	0.0	1500	136	0	37	0.44	0	66.1	53.3	45.0	24.5	24.5
3-4 AM	113	0.0	46	0.0	1500	113	0	46	0.43	0	66.2	53.4	45.0	24.5	24.5
4-5 AM	168	0.0	129	0.0	1500	168	0	129	0.44	0	66.1	53.2	44.8	23.8	23.8
5-6 AM	373	0.0	317	0.0	1500	373	0	317	0.46	0	65.7	52.5	44.0	22.4	22.4
6-7 AM	841	0.0	614	0.0	1500	841	0	614	0.50	0	64.8	50.9	42.2	20.1	20.1
7-8 AM	1196	0.0	810	0.0	1500	1196	0	810	0.63	0	64.1	47.9	38.6	18.6	18.6
8-9 AM	1347	0.0	544	0.0	1499	1347	0	544	0.83	0	63.9	44.4	34.3	20.7	20.7
9-10 AM	1534	0.0	443	0.0	1499	1534	0	443	1.31	8	63.5	37.5	30.8	21.4	21.4
10-11 AM	1621	0.0	485	0.0	1500	1621	0	485	4.19	91	63.3	19.7	30.8	21.1	21.1
11A-NOON	1633	0.0	528	0.0	1499	1633	0	528	8.92	216	63.3	11.9	30.8	20.8	21.1
NOON-1PM	1789	0.0	571	0.0	1500	1705	85	656	16.06	410	63.0	8.9	30.8	20.4	21.1
1-2 PM	1836	0.0	611	0.0	1499	1526	311	922	19.80	507	63.0	8.1	30.8	20.1	19.5
2-3 PM	1949	0.0	596	0.0	1500	1529	421	1017	20.74	533	62.8	8.0	30.8	20.2	18.8
3-4 PM	2069	0.0	623	0.0	1500	1547	522	1145	22.16	571	62.5	7.8	30.8	20.1	18.0
4-5 PM	2164	0.0	695	0.0	1500	1556	608	1303	24.16	626	62.3	7.5	30.8	19.5	17.0
5-6 PM	2235	0.0	658	0.0	1500	1503	732	1390	25.41	659	62.2	7.4	30.8	19.8	16.3
6-7 PM	2095	0.0	487	0.0	1499	1372	723	1210	23.01	595	62.5	7.7	30.8	21.1	17.5
7-8 PM	1448	0.0	305	0.0	1500	1282	166	471	15.81	402	63.7	9.0	30.8	22.5	22.5
8-9 PM	967	0.0	265	0.0	1499	967	0	265	2.30	103	64.6	29.4	38.7	22.8	22.9
9-10 PM	743	0.0	239	0.0	1500	743	0	239	0.49	0	65.0	51.3	42.6	23.0	23.0
10-11 PM	647	0.0	182	0.0	1500	647	0	182	0.49	0	65.2	51.6	43.0	23.4	23.4
11PM-MID	508	0.0	136	0.0	1500	508	0	136	0.47	0	65.5	52.0	43.5	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	0.0088
MAIN ROUTE WITH WORKS	0.0061
DIVERSION	0.0962

PIA: Personal Injury Accidents

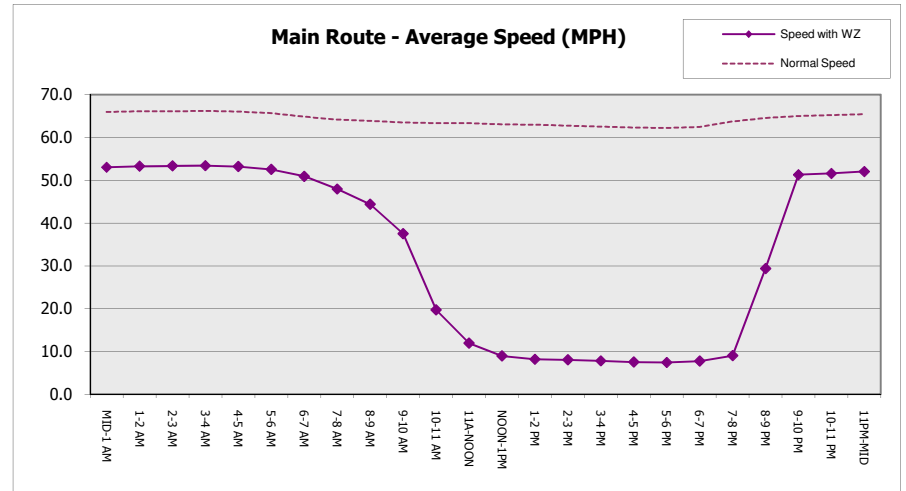
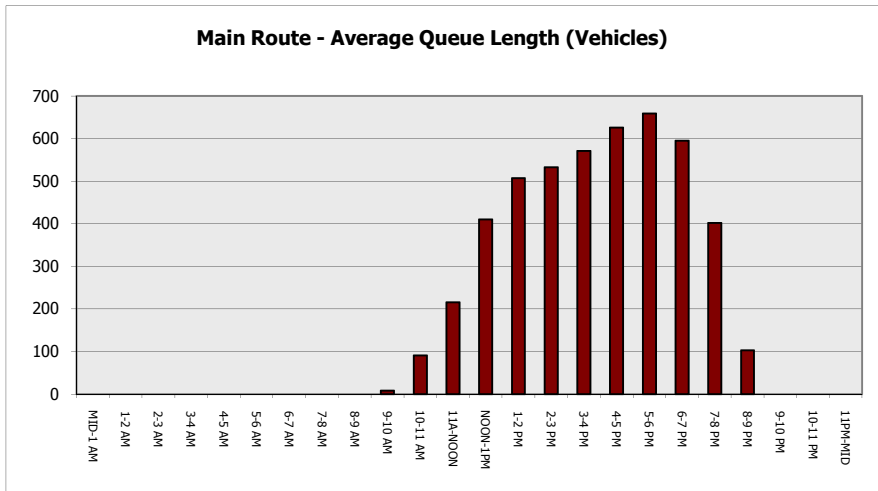
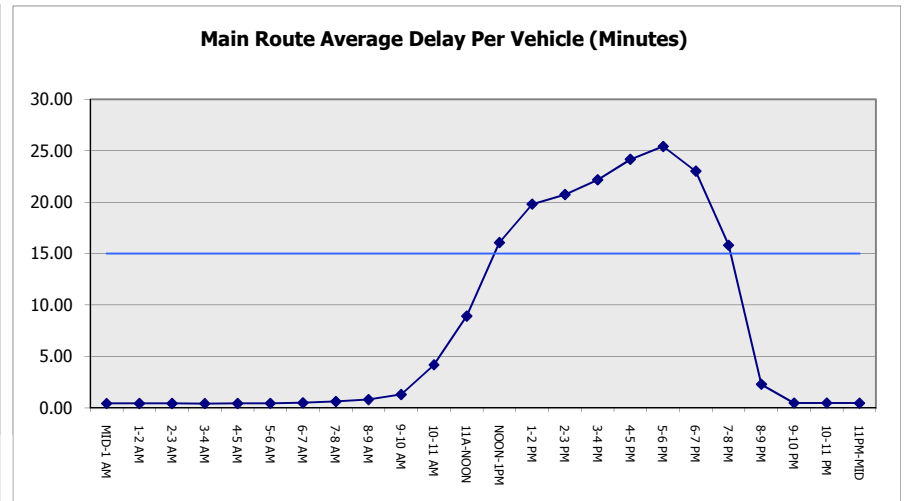
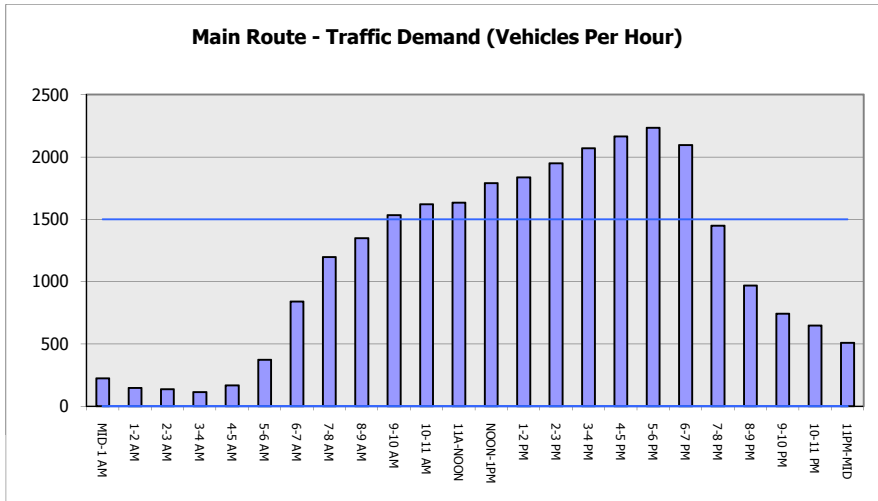
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$90,722
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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

AUGUST
 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	AUGUST Analyzed for 2009 Construction Season
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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	225	0.0	105	0.0	1500	225	0	105	0.44	0	66.0	53.0	44.6	24.0	24.0
1-2 AM	126	0.0	88	0.0	1500	126	0	88	0.43	0	66.1	53.3	45.0	24.2	24.2
2-3 AM	107	0.0	59	0.0	1500	107	0	59	0.43	0	66.2	53.4	45.1	24.4	24.4
3-4 AM	140	0.0	43	0.0	1500	140	0	43	0.44	0	66.1	53.3	44.9	24.5	24.5
4-5 AM	229	0.0	59	0.0	1500	229	0	59	0.44	0	66.0	53.0	44.6	24.4	24.4
5-6 AM	453	0.0	198	0.0	1500	453	0	198	0.47	0	65.5	52.2	43.7	23.3	23.3
6-7 AM	791	0.0	481	0.0	1500	791	0	481	0.50	0	64.9	51.1	42.4	21.2	21.2
7-8 AM	1042	0.0	690	0.0	1500	1042	0	690	0.52	0	64.5	50.3	41.5	19.6	19.6
8-9 AM	954	0.0	501	0.0	1500	954	0	501	0.51	0	64.6	50.6	41.9	21.0	21.0
9-10 AM	1002	0.0	466	0.0	1500	1002	0	466	0.52	0	64.5	50.4	41.7	21.2	21.2
10-11 AM	1113	0.0	513	0.0	1500	1113	0	513	0.53	0	64.3	50.1	41.3	20.9	20.9
11A-NOON	1188	0.0	588	0.0	1500	1188	0	588	0.62	0	64.1	48.2	38.9	20.3	20.3
NOON-1PM	1315	0.0	632	0.0	1499	1315	0	632	0.78	0	64.0	45.1	35.1	20.0	20.0
1-2 PM	1513	0.0	678	0.0	1499	1513	0	678	1.24	7	63.6	38.4	31.1	19.6	19.6
2-3 PM	1664	0.0	872	0.0	1500	1664	0	872	4.38	100	63.3	19.1	30.8	18.1	18.1
3-4 PM	1813	0.0	903	0.0	1500	1813	0	903	13.27	341	63.0	9.8	30.8	17.9	18.9
4-5 PM	1896	0.0	1038	0.0	1499	1659	238	1275	23.79	616	62.8	7.6	30.8	16.9	17.1
5-6 PM	1810	0.0	869	0.0	1499	1396	414	1283	23.91	618	63.0	7.6	30.8	18.2	17.1
6-7 PM	1407	0.0	632	0.0	1500	1306	102	734	17.81	455	63.8	8.5	30.8	20.0	20.7
7-8 PM	1087	0.0	467	0.0	1499	1087	0	467	4.93	177	64.3	18.9	35.6	21.2	21.6
8-9 PM	898	0.0	417	0.0	1500	898	0	417	0.51	0	64.7	50.8	42.0	21.6	21.6
9-10 PM	771	0.0	401	0.0	1500	771	0	401	0.50	0	65.0	51.2	42.5	21.7	21.7
10-11 PM	560	0.0	333	0.0	1500	560	0	333	0.48	0	65.3	51.9	43.3	22.3	22.3
11PM-MID	410	0.0	255	0.0	1500	410	0	255	0.46	0	65.6	52.4	43.8	22.9	22.9

----- 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	0.0072
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.0891

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$39,772
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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

