

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

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	1499	1178	0	237	0.63	0	64.2	48.0	38.7	23.0	23.0
10-11 AM	1621	0.0	363	0.0	1499	1621	0	363	2.16	38	63.3	29.6	30.8	22.0	22.0
11A-NOON	1874	0.0	405	0.0	1500	1842	32	437	11.40	297	62.9	10.7	30.8	21.7	22.2
NOON-1PM	1810	0.0	442	0.0	1499	1500	311	752	18.30	466	63.0	8.4	30.8	21.4	20.6
1-2 PM	1683	0.0	430	0.0	1499	1470	212	643	17.43	443	63.3	8.6	30.8	21.5	21.4
2-3 PM	1642	0.0	422	0.0	1500	1491	151	573	16.91	428	63.3	8.7	30.8	21.6	21.9
3-4 PM	1566	0.0	390	0.0	1499	1481	85	475	16.24	410	63.5	8.9	30.8	21.9	22.5
4-5 PM	1605	0.0	350	0.0	1500	1501	104	454	16.09	406	63.4	8.9	30.8	22.2	22.7
5-6 PM	1585	0.0	340	0.0	1500	1487	99	438	16.00	404	63.4	8.9	30.8	22.2	22.8
6-7 PM	1234	0.0	302	0.0	1499	1234	0	302	10.81	276	64.1	10.9	31.7	22.5	23.2
7-8 PM	1052	0.0	225	0.0	1500	1052	0	225	0.95	19	64.4	42.6	40.6	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

----- 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	0.0052
DIVERSION	0.0460

PIA: Personal Injury Accidents

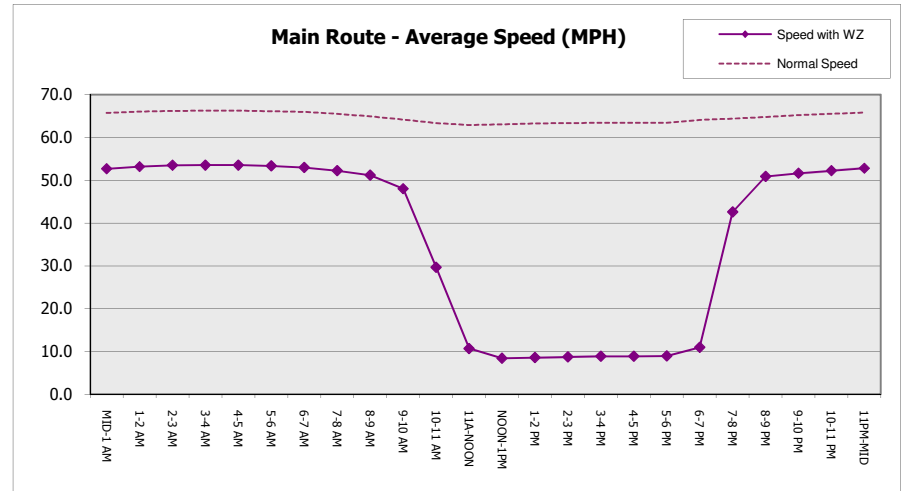
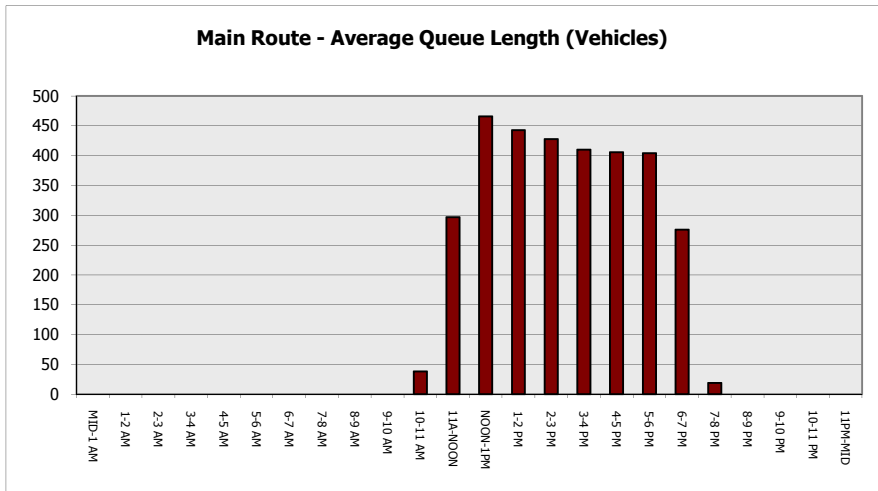
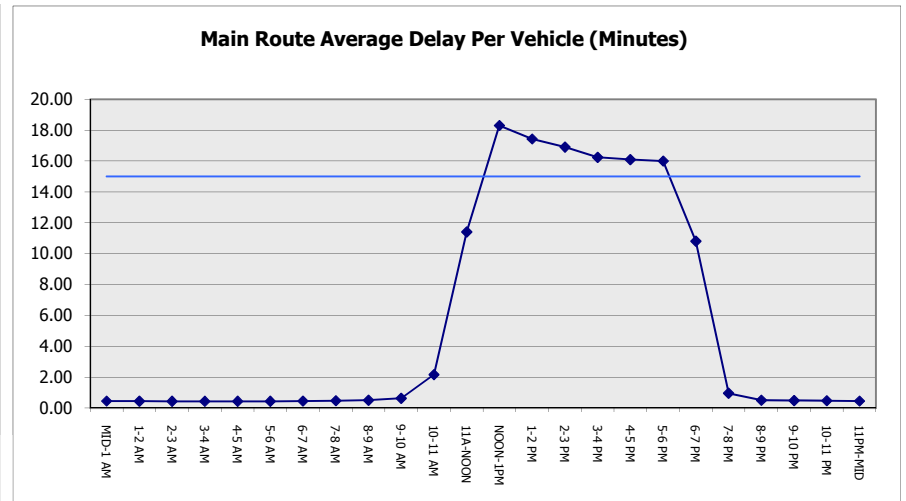
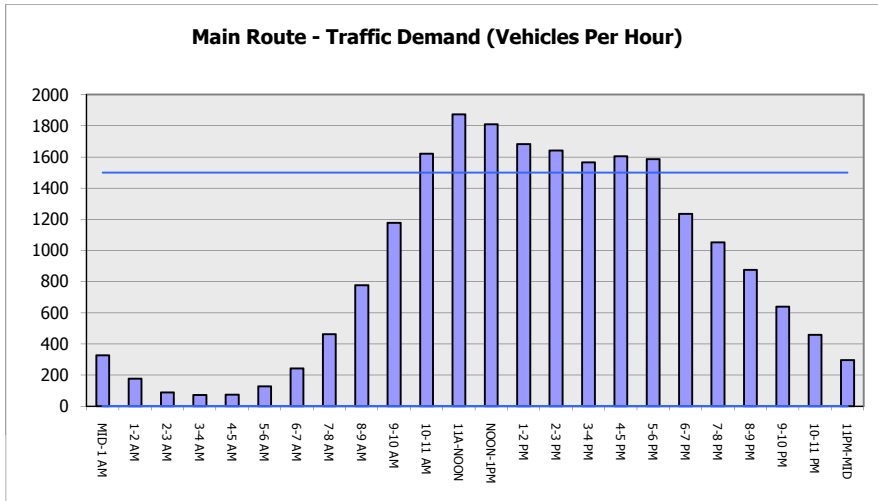
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$64,339
CONGESTED HOURS PER DAY*	6

*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
SUNDAY 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

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	1499	963	0	251	0.52	0	64.6	50.5	41.8	22.9	22.9
10-11 AM	1472	0.0	363	0.0	1499	1472	0	363	1.26	11	63.7	38.1	32.4	22.0	22.0
11A-NOON	1910	0.0	444	0.0	1500	1910	0	444	8.52	232	62.8	12.8	30.8	21.4	21.9
NOON-1PM	2042	0.0	464	0.0	1499	1581	460	925	19.84	509	62.6	8.1	30.8	21.3	19.4
1-2 PM	2094	0.0	524	0.0	1499	1534	560	1084	21.47	553	62.5	7.9	30.8	20.8	18.4
2-3 PM	2261	0.0	521	0.0	1500	1555	706	1227	23.17	599	62.2	7.6	30.8	20.9	17.5
3-4 PM	2367	0.0	573	0.0	1500	1555	812	1385	25.35	658	62.0	7.4	30.8	20.4	16.4
4-5 PM	2351	0.0	556	0.0	1499	1488	863	1419	25.87	672	62.0	7.4	30.8	20.6	16.1
5-6 PM	2421	0.0	547	0.0	1500	1513	909	1455	26.43	688	61.7	7.3	30.8	20.6	15.9
6-7 PM	2048	0.0	513	0.0	1499	1349	699	1211	23.04	596	62.6	7.7	30.8	20.9	17.5
7-8 PM	1874	0.0	411	0.0	1500	1427	447	858	19.24	492	62.9	8.3	30.8	21.7	19.9
8-9 PM	1524	0.0	344	0.0	1500	1401	122	466	16.05	406	63.5	8.9	30.8	22.2	22.5
9-10 PM	1079	0.0	264	0.0	1499	1079	0	264	4.77	178	64.4	19.3	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

----- 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	0.0055
DIVERSION	0.0916

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$140,261
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

