

STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: CTH CE - CTH N - CTH 00	OCTOBER Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	246	0.0	79	0.0	OFF	246	0	79	0.00	0	66.0	66.0	66.0	24.2	24.2
1-2 AM	159	0.0	51	0.0	OFF	159	0	51	0.00	0	66.1	66.1	66.1	24.5	24.5
2-3 AM	138	0.0	46	0.0	OFF	138	0	46	0.00	0	66.1	66.1	66.1	24.5	24.5
3-4 AM	125	0.0	34	0.0	OFF	125	0	34	0.00	0	66.1	66.1	66.1	24.6	24.6
4-5 AM	174	0.0	63	0.0	OFF	174	0	63	0.00	0	66.1	66.1	66.1	24.3	24.3
5-6 AM	280	0.0	118	0.0	OFF	280	0	118	0.00	0	65.9	65.9	65.9	23.9	23.9
6-7 AM	563	0.0	176	0.0	OFF	563	0	176	0.00	0	65.3	65.3	65.3	23.5	23.5
7-8 AM	1396	0.0	280	0.0	OFF	1396	0	280	0.00	0	63.8	63.8	63.8	22.7	22.7
8-9 AM	2622	0.0	355	0.0	1499	2185	437	792	15.46	429	59.6	9.3	30.8	22.1	20.1
9-10 AM	2338	0.0	386	0.0	1499	1396	942	1328	24.57	637	62.0	7.5	30.8	21.9	16.8
10-11 AM	1762	0.0	459	0.0	1500	1360	402	861	19.30	494	63.1	8.3	30.8	21.3	19.9
11A-NOON	1460	0.0	455	0.0	1500	1423	36	491	15.96	403	63.7	8.9	30.8	21.4	22.4
NOON-1PM	1376	0.0	483	0.0	1499	1376	0	483	12.32	306	63.8	10.1	30.8	21.1	21.9
1-2 PM	1333	0.0	461	0.0	1499	1333	0	461	6.64	159	63.9	14.5	31.1	21.3	21.4
2-3 PM	1283	0.0	446	0.0	1500	1283	0	446	1.10	12	64.0	40.3	35.4	21.4	21.4
3-4 PM	1301	0.0	420	0.0	1500	1301	0	420	0.77	0	64.0	45.4	35.5	21.6	21.6
4-5 PM	1285	0.0	382	0.0	1500	1285	0	382	0.75	0	64.0	45.8	35.9	21.9	21.9
5-6 PM	1122	0.0	382	0.0	1500	1122	0	382	0.54	0	64.3	50.0	41.1	21.9	21.9
6-7 PM	873	0.0	346	0.0	OFF	873	0	346	0.00	0	64.8	64.8	64.8	22.2	22.2
7-8 PM	712	0.0	257	0.0	OFF	712	0	257	0.00	0	65.1	65.1	65.1	22.9	22.9
8-9 PM	645	0.0	221	0.0	OFF	645	0	221	0.00	0	65.2	65.2	65.2	23.2	23.2
9-10 PM	536	0.0	189	0.0	OFF	536	0	189	0.00	0	65.4	65.4	65.4	23.4	23.4
10-11 PM	464	0.0	155	0.0	OFF	464	0	155	0.00	0	65.5	65.5	65.5	23.7	23.7
11PM-MID	361	0.0	107	0.0	OFF	361	0	107	0.00	0	65.7	65.7	65.7	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	0.0072
MAIN ROUTE WITH WORKS	0.0057
DIVERSION	0.0605

PIA: Personal Injury Accidents

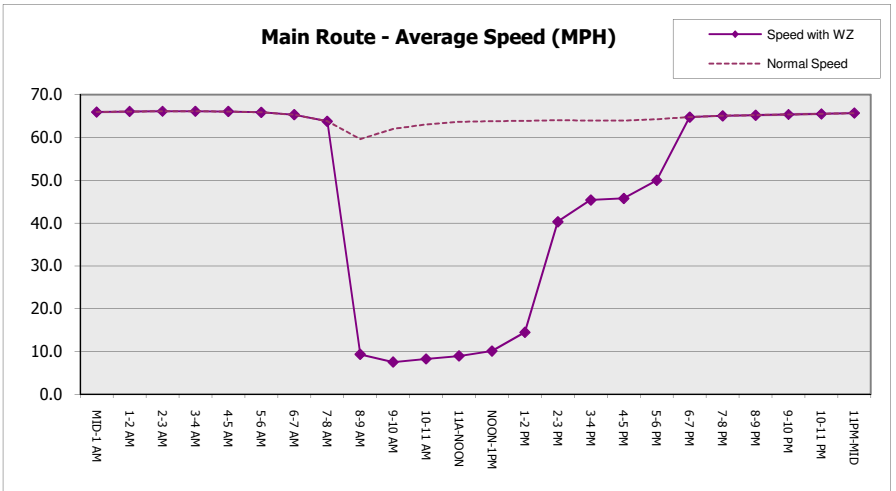
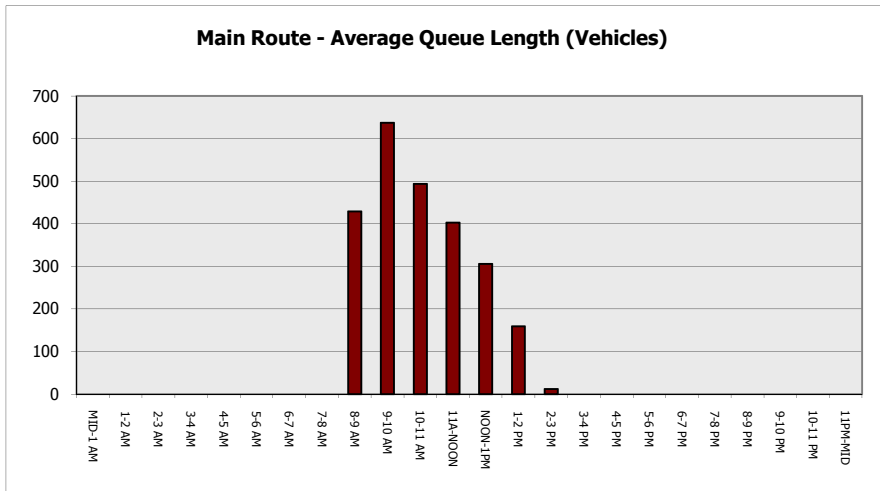
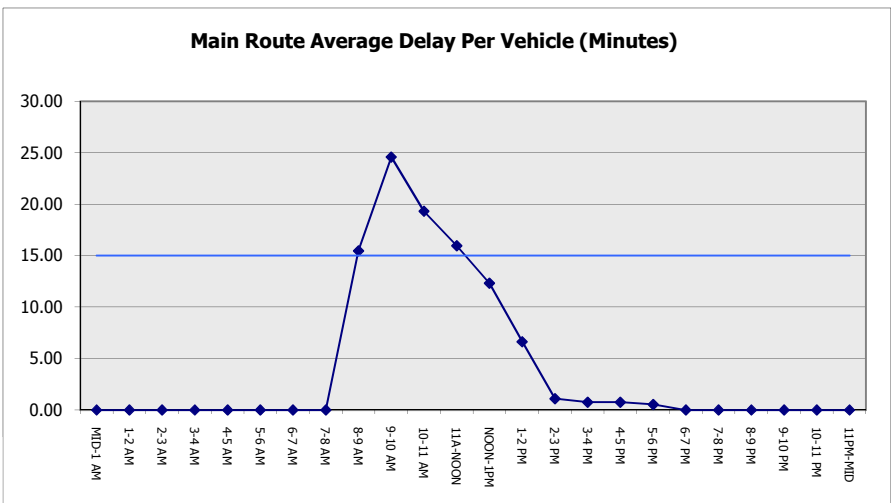
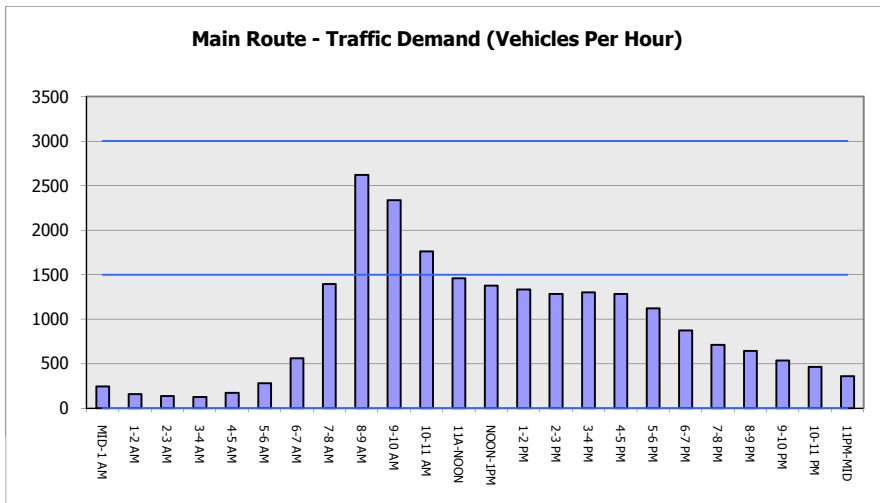
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$55,230
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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

OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT
SATURDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	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	184	0.0	117	0.0	OFF	184	0	117	0.00	0	66.0	66.0	66.0	24.0	24.0	
1-2 AM	113	0.0	75	0.0	OFF	113	0	75	0.00	0	66.2	66.2	66.2	24.3	24.3	
2-3 AM	93	0.0	61	0.0	OFF	93	0	61	0.00	0	66.2	66.2	66.2	24.3	24.3	
3-4 AM	116	0.0	37	0.0	OFF	116	0	37	0.00	0	66.2	66.2	66.2	24.5	24.5	
4-5 AM	125	0.0	42	0.0	OFF	125	0	42	0.00	0	66.1	66.1	66.1	24.5	24.5	
5-6 AM	212	0.0	85	0.0	OFF	212	0	85	0.00	0	66.0	66.0	66.0	24.2	24.2	
6-7 AM	281	0.0	161	0.0	OFF	281	0	161	0.00	0	65.9	65.9	65.9	23.6	23.6	
7-8 AM	453	0.0	197	0.0	OFF	453	0	197	0.00	0	65.5	65.5	65.5	23.3	23.3	
8-9 AM	696	0.0	303	0.0	1500	696	0	303	0.49	0	65.1	51.4	42.8	22.5	22.5	
9-10 AM	878	0.0	376	0.0	1500	878	0	376	0.51	0	64.8	50.9	42.1	22.0	22.0	
10-11 AM	1119	0.0	466	0.0	1500	1119	0	466	0.53	0	64.3	50.1	41.2	21.2	21.2	
11A-NOON	1240	0.0	493	0.0	1500	1240	0	493	0.69	0	64.1	46.8	37.2	21.1	21.1	
NOON-1PM	1272	0.0	562	0.0	1500	1272	0	562	0.73	0	64.0	46.1	36.3	20.6	20.6	
1-2 PM	1349	0.0	535	0.0	1499	1349	0	535	0.83	0	63.9	44.3	34.3	20.7	20.7	
2-3 PM	1724	0.0	561	0.0	1499	1724	0	561	3.40	84	63.2	22.7	30.8	20.6	20.6	
3-4 PM	2242	0.0	565	0.0	1500	1905	337	902	18.61	490	62.2	8.4	30.8	20.5	19.6	
4-5 PM	2285	0.0	571	0.0	1499	1505	781	1352	24.86	645	62.1	7.5	30.8	20.4	16.6	
5-6 PM	1854	0.0	553	0.0	1499	1348	507	1059	21.27	548	62.9	7.9	30.8	20.6	18.6	
6-7 PM	1452	0.0	499	0.0	OFF	1452	0	499	0.71	45	63.7	46.2	46.2	21.0	21.0	
7-8 PM	1136	0.0	390	0.0	OFF	1136	0	390	0.00	0	64.3	64.3	64.3	21.9	21.9	
8-9 PM	859	0.0	331	0.0	OFF	859	0	331	0.00	0	64.8	64.8	64.8	22.3	22.3	
9-10 PM	706	0.0	307	0.0	OFF	706	0	307	0.00	0	65.1	65.1	65.1	22.5	22.5	
10-11 PM	653	0.0	235	0.0	OFF	653	0	235	0.00	0	65.1	65.1	65.1	23.0	23.0	
11PM-MID	348	0.0	155	0.0	OFF	348	0	155	0.00	0	65.8	65.8	65.8	23.7	23.7	

"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	0.0054
DIVERSION	0.0689

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$44,507
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: CTH CE - CTH N - CTH 00

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

