

<b>STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY)</b> <b>NIGHTTIME 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**

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	1500	246	0	79	0.45	0	66.0	53.0	44.5	24.2	24.2
1-2 AM	159	0.0	51	0.0	1500	159	0	51	0.44	0	66.1	53.2	44.8	24.5	24.5
2-3 AM	138	0.0	46	0.0	1500	138	0	46	0.44	0	66.1	53.3	45.0	24.5	24.5
3-4 AM	125	0.0	34	0.0	1500	125	0	34	0.43	0	66.1	53.3	45.0	24.6	24.6
4-5 AM	174	0.0	63	0.0	1500	174	0	63	0.44	0	66.1	53.2	44.8	24.3	24.3
5-6 AM	280	0.0	118	0.0	1500	280	0	118	0.45	0	65.9	52.8	44.3	23.9	23.9
6-7 AM	563	0.0	176	0.0	1500	563	0	176	0.48	0	65.3	51.9	43.3	23.5	23.5
7-8 AM	1396	0.0	280	0.0	1499	1396	0	280	1.23	19	63.8	38.6	35.6	22.7	22.7
8-9 AM	2622	0.0	355	0.0	OFF	2622	0	355	0.06	2	59.6	57.9	57.9	22.1	22.1
9-10 AM	2338	0.0	386	0.0	OFF	2338	0	386	0.00	0	62.0	62.0	62.0	21.9	21.9
10-11 AM	1762	0.0	459	0.0	OFF	1762	0	459	0.00	0	63.1	63.1	63.1	21.3	21.3
11A-NOON	1460	0.0	455	0.0	OFF	1460	0	455	0.00	0	63.7	63.7	63.7	21.4	21.4
NOON-1PM	1376	0.0	483	0.0	OFF	1376	0	483	0.00	0	63.8	63.8	63.8	21.1	21.1
1-2 PM	1333	0.0	461	0.0	OFF	1333	0	461	0.00	0	63.9	63.9	63.9	21.3	21.3
2-3 PM	1283	0.0	446	0.0	OFF	1283	0	446	0.00	0	64.0	64.0	64.0	21.4	21.4
3-4 PM	1301	0.0	420	0.0	OFF	1301	0	420	0.00	0	64.0	64.0	64.0	21.6	21.6
4-5 PM	1285	0.0	382	0.0	OFF	1285	0	382	0.00	0	64.0	64.0	64.0	21.9	21.9
5-6 PM	1122	0.0	382	0.0	OFF	1122	0	382	0.00	0	64.3	64.3	64.3	21.9	21.9
6-7 PM	873	0.0	346	0.0	1500	873	0	346	0.51	0	64.8	50.9	42.1	22.2	22.2
7-8 PM	712	0.0	257	0.0	1500	712	0	257	0.49	0	65.1	51.4	42.7	22.9	22.9
8-9 PM	645	0.0	221	0.0	1500	645	0	221	0.48	0	65.2	51.6	43.0	23.2	23.2
9-10 PM	536	0.0	189	0.0	1500	536	0	189	0.47	0	65.4	52.0	43.3	23.4	23.4
10-11 PM	464	0.0	155	0.0	1500	464	0	155	0.47	0	65.5	52.2	43.7	23.7	23.7
11PM-MID	361	0.0	107	0.0	1500	361	0	107	0.46	0	65.7	52.5	44.0	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	0.0067
DIVERSION	0.0470

PIA: Personal Injury Accidents

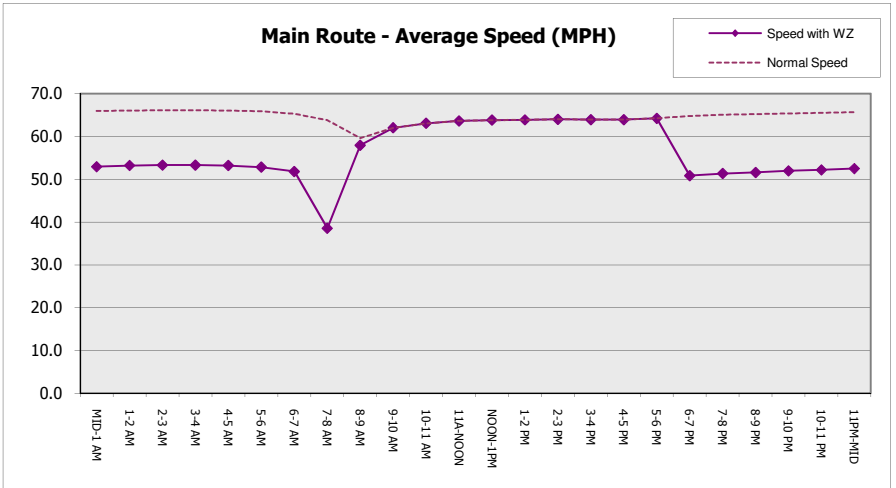
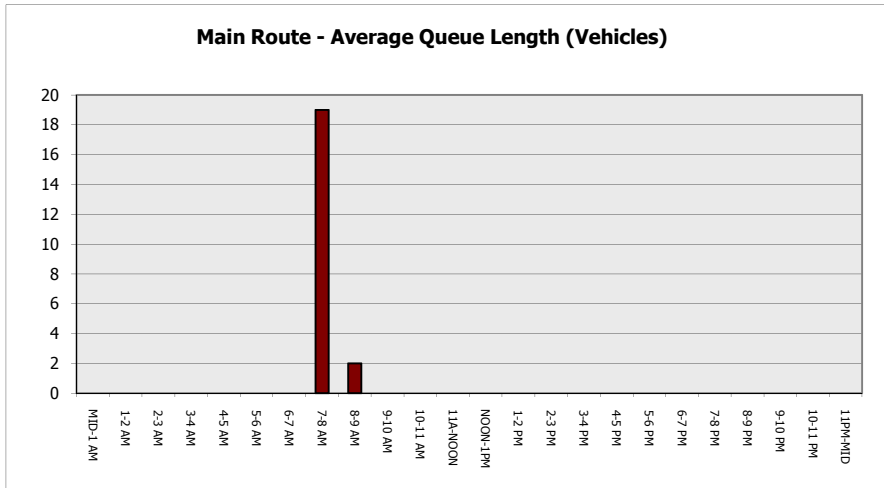
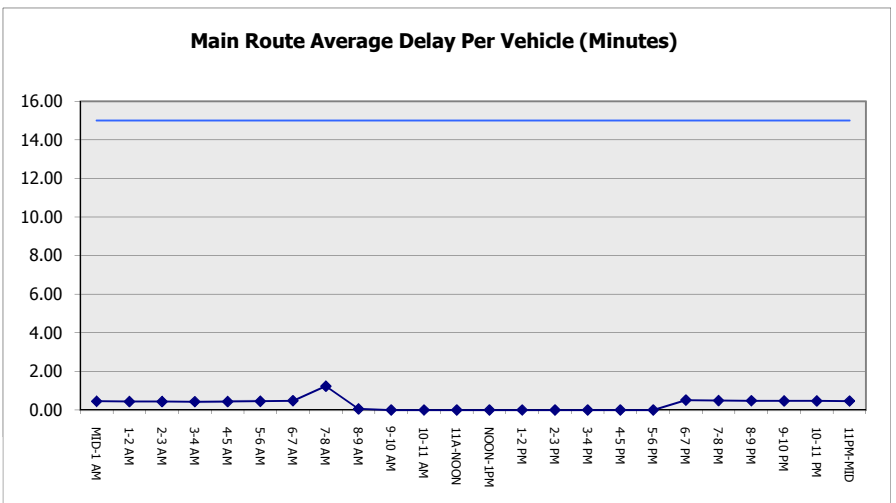
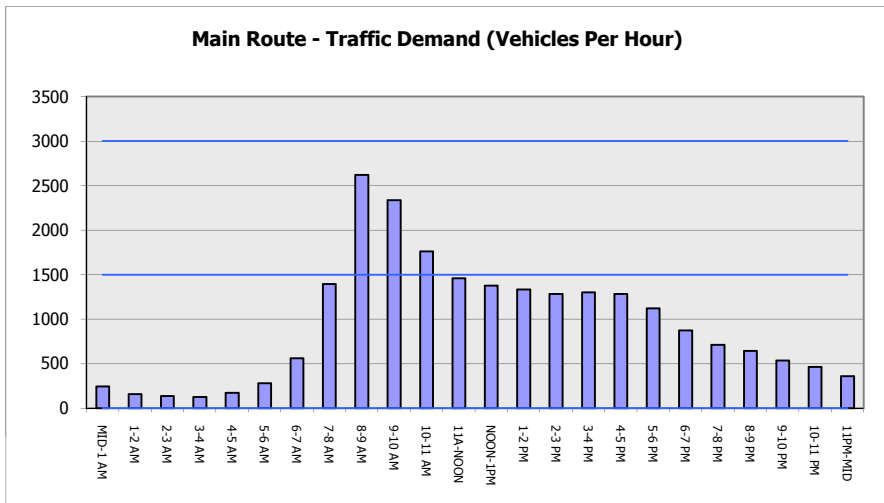
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,040
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

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

**OCTOBER**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**  
SATURDAY 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	184	0.0	117	0.0	1500	184	0	117	0.44	0	66.0	53.2	44.8	24.0	24.0
1-2 AM	113	0.0	75	0.0	1500	113	0	75	0.43	0	66.2	53.4	45.0	24.3	24.3
2-3 AM	93	0.0	61	0.0	1500	93	0	61	0.43	0	66.2	53.5	45.1	24.3	24.3
3-4 AM	116	0.0	37	0.0	1500	116	0	37	0.43	0	66.2	53.4	45.0	24.5	24.5
4-5 AM	125	0.0	42	0.0	1500	125	0	42	0.43	0	66.1	53.3	45.0	24.5	24.5
5-6 AM	212	0.0	85	0.0	1500	212	0	85	0.44	0	66.0	53.0	44.6	24.2	24.2
6-7 AM	281	0.0	161	0.0	1500	281	0	161	0.45	0	65.9	52.8	44.3	23.6	23.6
7-8 AM	453	0.0	197	0.0	1500	453	0	197	0.47	0	65.5	52.2	43.7	23.3	23.3
8-9 AM	696	0.0	303	0.0	OFF	696	0	303	0.00	0	65.1	65.1	65.1	22.5	22.5
9-10 AM	878	0.0	376	0.0	OFF	878	0	376	0.00	0	64.8	64.8	64.8	22.0	22.0
10-11 AM	1119	0.0	466	0.0	OFF	1119	0	466	0.00	0	64.3	64.3	64.3	21.2	21.2
11A-NOON	1240	0.0	493	0.0	OFF	1240	0	493	0.00	0	64.1	64.1	64.1	21.1	21.1
NOON-1PM	1272	0.0	562	0.0	OFF	1272	0	562	0.00	0	64.0	64.0	64.0	20.6	20.6
1-2 PM	1349	0.0	535	0.0	OFF	1349	0	535	0.00	0	63.9	63.9	63.9	20.7	20.7
2-3 PM	1724	0.0	561	0.0	OFF	1724	0	561	0.00	0	63.2	63.2	63.2	20.6	20.6
3-4 PM	2242	0.0	565	0.0	OFF	2242	0	565	0.00	0	62.2	62.2	62.2	20.5	20.5
4-5 PM	2285	0.0	571	0.0	OFF	2285	0	571	0.00	0	62.1	62.1	62.1	20.4	20.4
5-6 PM	1854	0.0	553	0.0	OFF	1854	0	553	0.00	0	62.9	62.9	62.9	20.6	20.6
6-7 PM	1452	0.0	499	0.0	1499	1452	0	499	1.17	6	63.7	39.3	32.2	21.0	21.0
7-8 PM	1136	0.0	390	0.0	1500	1136	0	390	0.55	0	64.3	49.6	40.6	21.9	21.9
8-9 PM	859	0.0	331	0.0	1500	859	0	331	0.51	0	64.8	50.9	42.2	22.3	22.3
9-10 PM	706	0.0	307	0.0	1500	706	0	307	0.49	0	65.1	51.4	42.7	22.5	22.5
10-11 PM	653	0.0	235	0.0	1500	653	0	235	0.49	0	65.1	51.5	42.9	23.0	23.0
11PM-MID	348	0.0	155	0.0	1500	348	0	155	0.46	0	65.8	52.6	44.1	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	0.0064
DIVERSION	0.0568

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,019
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

