

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

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	228	0.0	83	0.0	1500	228	0	83	0.44	0	66.0	53.0	44.6	24.2	24.2
1-2 AM	116	0.0	53	0.0	1500	116	0	53	0.43	0	66.2	53.4	45.0	24.5	24.5
2-3 AM	83	0.0	54	0.0	1500	83	0	54	0.43	0	66.3	53.5	45.1	24.4	24.4
3-4 AM	66	0.0	32	0.0	1500	66	0	32	0.43	0	66.3	53.6	45.2	24.6	24.6
4-5 AM	87	0.0	37	0.0	1500	87	0	37	0.43	0	66.2	53.5	45.1	24.5	24.5
5-6 AM	120	0.0	66	0.0	1500	120	0	66	0.43	0	66.1	53.4	45.0	24.3	24.3
6-7 AM	206	0.0	89	0.0	1500	206	0	89	0.44	0	66.0	53.1	44.6	24.2	24.2
7-8 AM	335	0.0	112	0.0	1500	335	0	112	0.45	0	65.8	52.7	44.2	24.0	24.0
8-9 AM	574	0.0	181	0.0	1500	574	0	181	0.48	0	65.3	51.9	43.2	23.5	23.5
9-10 AM	909	0.0	266	0.0	OFF	909	0	266	0.00	0	64.7	64.7	64.7	22.8	22.8
10-11 AM	1242	0.0	365	0.0	OFF	1242	0	365	0.00	0	64.1	64.1	64.1	22.0	22.0
11A-NOON	1414	0.0	387	0.0	OFF	1414	0	387	0.00	0	63.8	63.8	63.8	21.9	21.9
NOON-1PM	1432	0.0	426	0.0	OFF	1432	0	426	0.00	0	63.7	63.7	63.7	21.5	21.5
1-2 PM	1444	0.0	369	0.0	OFF	1444	0	369	0.00	0	63.7	63.7	63.7	22.0	22.0
2-3 PM	1401	0.0	357	0.0	OFF	1401	0	357	0.00	0	63.8	63.8	63.8	22.1	22.1
3-4 PM	1372	0.0	365	0.0	OFF	1372	0	365	0.00	0	63.8	63.8	63.8	22.0	22.0
4-5 PM	1446	0.0	410	0.0	OFF	1446	0	410	0.00	0	63.7	63.7	63.7	21.7	21.7
5-6 PM	1325	0.0	383	0.0	OFF	1325	0	383	0.00	0	63.9	63.9	63.9	21.9	21.9
6-7 PM	1091	0.0	312	0.0	OFF	1091	0	312	0.00	0	64.3	64.3	64.3	22.4	22.4
7-8 PM	921	0.0	221	0.0	1500	921	0	221	0.51	0	64.6	50.7	42.0	23.2	23.2
8-9 PM	712	0.0	166	0.0	1500	712	0	166	0.49	0	65.1	51.4	42.7	23.6	23.6
9-10 PM	494	0.0	137	0.0	1500	494	0	137	0.47	0	65.5	52.1	43.5	23.8	23.8
10-11 PM	341	0.0	97	0.0	1500	341	0	97	0.46	0	65.8	52.6	44.1	24.1	24.1
11PM-MID	212	0.0	44	0.0	1500	212	0	44	0.44	0	66.0	53.0	44.6	24.5	24.5

"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	0.0056
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0371

PIA: Personal Injury Accidents

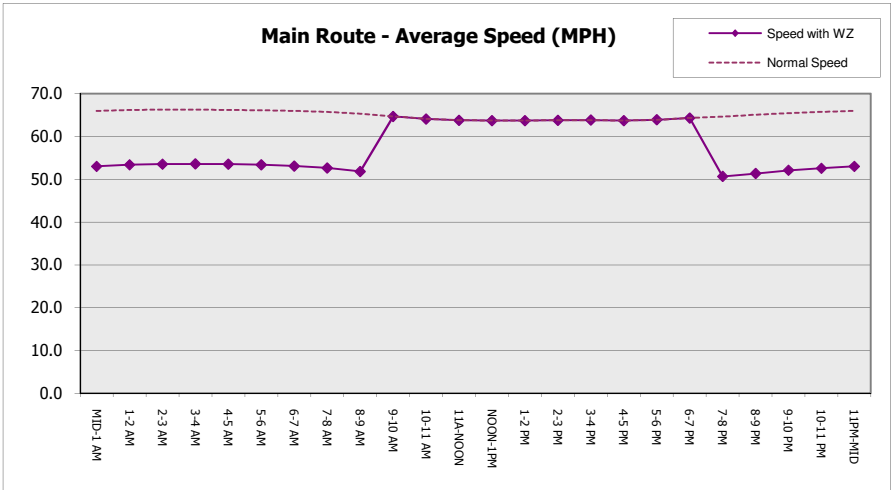
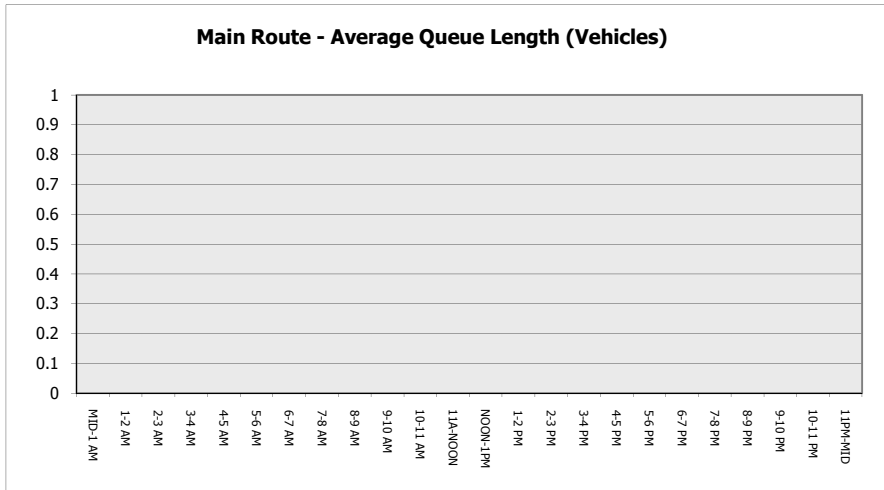
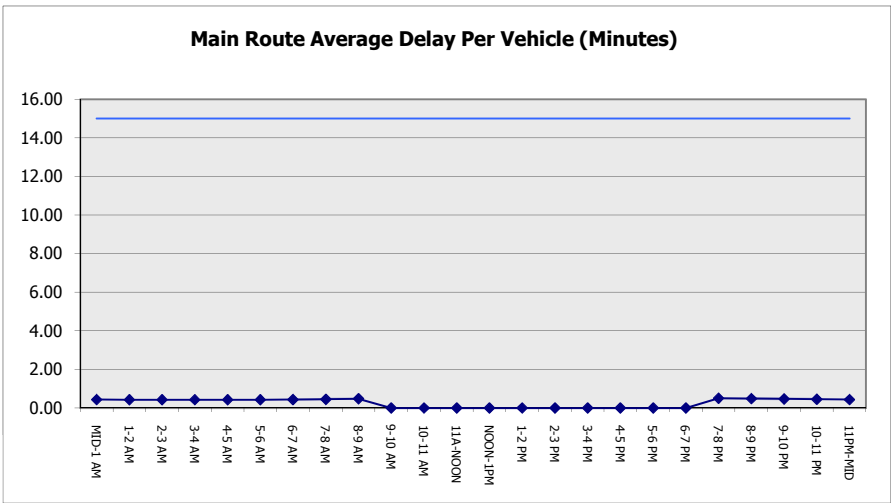
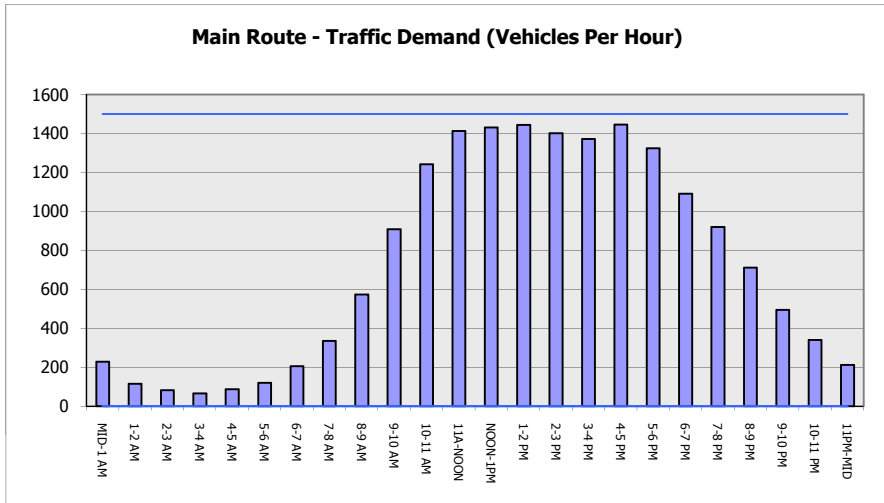
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$578
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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

OCTOBER
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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	201	0.0	109	0.0	1500	201	0	109	0.44	0	66.0	53.1	44.6	24.0	24.0
1-2 AM	141	0.0	64	0.0	1500	141	0	64	0.44	0	66.1	53.3	44.9	24.3	24.3
2-3 AM	115	0.0	69	0.0	1500	115	0	69	0.43	0	66.2	53.4	45.0	24.3	24.3
3-4 AM	93	0.0	38	0.0	1500	93	0	38	0.43	0	66.2	53.5	45.1	24.5	24.5
4-5 AM	84	0.0	32	0.0	1500	84	0	32	0.43	0	66.2	53.5	45.1	24.6	24.6
5-6 AM	113	0.0	65	0.0	1500	113	0	65	0.43	0	66.2	53.4	45.0	24.3	24.3
6-7 AM	157	0.0	104	0.0	1500	157	0	104	0.44	0	66.1	53.3	44.8	24.0	24.0
7-8 AM	244	0.0	116	0.0	1500	244	0	116	0.45	0	66.0	53.0	44.5	24.0	24.0
8-9 AM	494	0.0	205	0.0	1500	494	0	205	0.47	0	65.5	52.1	43.5	23.3	23.3
9-10 AM	818	0.0	306	0.0	OFF	818	0	306	0.00	0	64.8	64.8	64.8	22.5	22.5
10-11 AM	1293	0.0	386	0.0	OFF	1293	0	386	0.00	0	64.0	64.0	64.0	21.9	21.9
11A-NOON	1740	0.0	470	0.0	OFF	1740	0	470	0.00	0	63.2	63.2	63.2	21.2	21.2
NOON-1PM	1928	0.0	465	0.0	OFF	1928	0	465	0.00	0	62.8	62.8	62.8	21.3	21.3
1-2 PM	1971	0.0	443	0.0	OFF	1971	0	443	0.00	0	62.7	62.7	62.7	21.4	21.4
2-3 PM	2018	0.0	471	0.0	OFF	2018	0	471	0.00	0	62.6	62.6	62.6	21.2	21.2
3-4 PM	2205	0.0	491	0.0	OFF	2205	0	491	0.00	0	62.3	62.3	62.3	21.1	21.1
4-5 PM	2373	0.0	543	0.0	OFF	2373	0	543	0.00	0	62.0	62.0	62.0	20.7	20.7
5-6 PM	2535	0.0	537	0.0	OFF	2535	0	537	0.00	0	60.5	60.5	60.5	20.7	20.7
6-7 PM	2018	0.0	462	0.0	OFF	2018	0	462	0.00	0	62.6	62.6	62.6	21.3	21.3
7-8 PM	1596	0.0	376	0.0	1499	1596	0	376	3.53	71	63.4	22.1	30.8	22.0	22.0
8-9 PM	1259	0.0	261	0.0	1499	1259	0	261	1.46	30	64.0	36.0	35.8	22.9	22.9
9-10 PM	855	0.0	194	0.0	1500	855	0	194	0.51	0	64.8	50.9	42.2	23.3	23.3
10-11 PM	500	0.0	148	0.0	1500	500	0	148	0.47	0	65.5	52.1	43.5	23.7	23.7
11PM-MID	260	0.0	80	0.0	1500	260	0	80	0.45	0	65.9	52.9	44.5	24.2	24.2

"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	0.0080
MAIN ROUTE WITH WORKS	0.0076
DIVERSION	0.0476

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,452
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

