

STH 441: CTH 00 TO CTH CE (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 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	1500	909	0	266	0.51	0	64.7	50.7	42.0	22.8	22.8
10-11 AM	1242	0.0	365	0.0	1500	1242	0	365	0.69	0	64.1	46.8	37.1	22.0	22.0
11A-NOON	1414	0.0	387	0.0	1500	1414	0	387	0.91	0	63.8	42.9	32.7	21.9	21.9
NOON-1PM	1432	0.0	426	0.0	1500	1432	0	426	0.94	0	63.7	42.5	32.2	21.5	21.5
1-2 PM	1444	0.0	369	0.0	1500	1444	0	369	0.95	0	63.7	42.3	32.0	22.0	22.0
2-3 PM	1401	0.0	357	0.0	1500	1401	0	357	0.90	0	63.8	43.2	33.0	22.1	22.1
3-4 PM	1372	0.0	365	0.0	1500	1372	0	365	0.86	0	63.8	43.8	33.7	22.0	22.0
4-5 PM	1446	0.0	410	0.0	1500	1446	0	410	0.95	0	63.7	42.3	31.9	21.7	21.7
5-6 PM	1325	0.0	383	0.0	1500	1325	0	383	0.80	0	63.9	44.8	34.8	21.9	21.9
6-7 PM	1091	0.0	312	0.0	1500	1091	0	312	0.53	0	64.3	50.2	41.4	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

----- 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	0.0044
DIVERSION	0.0371

PIA: Personal Injury Accidents

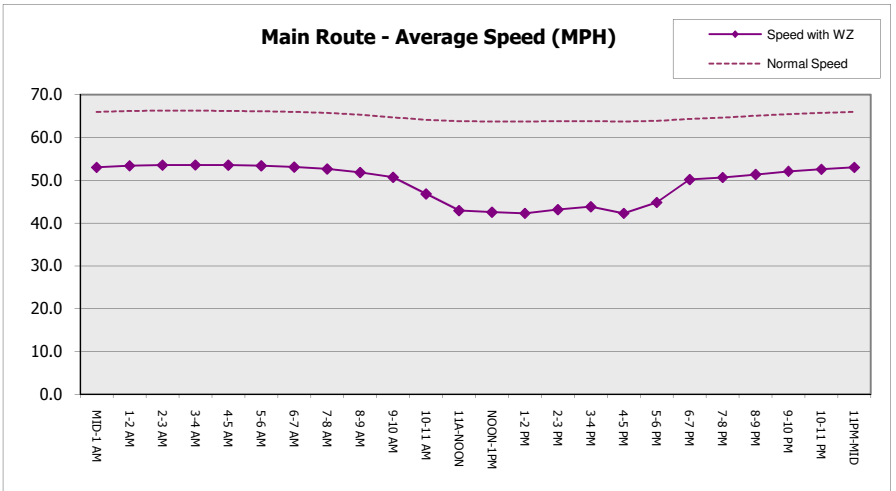
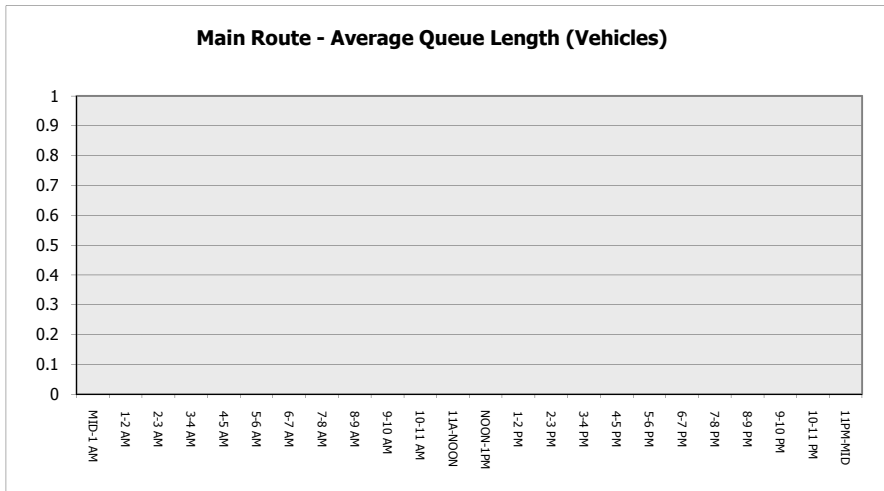
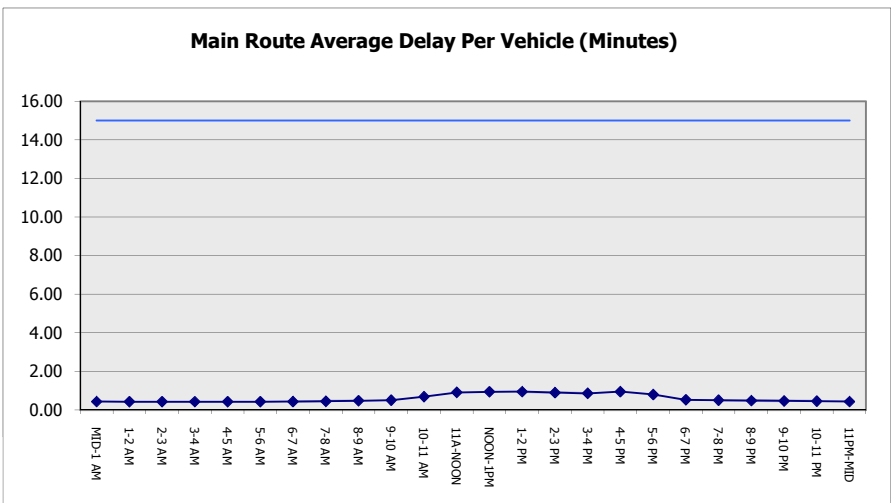
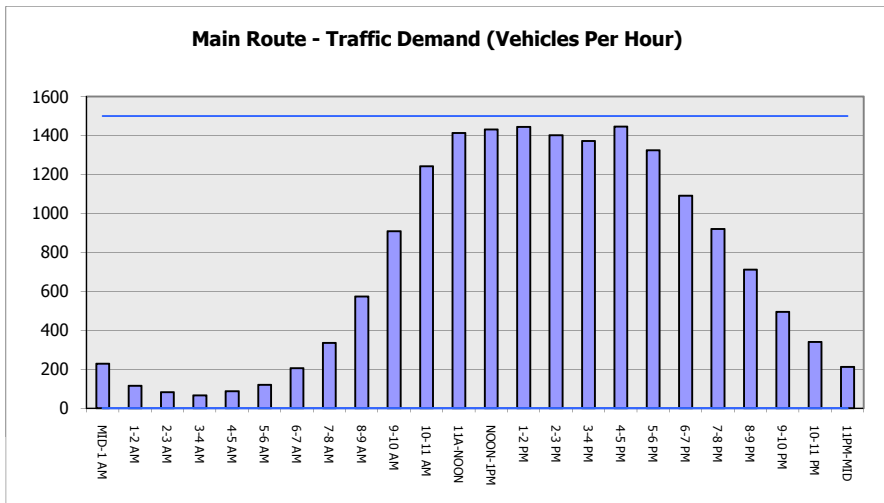
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,992
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 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)
CONTINUOUS (24 HOUR) 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	1500	818	0	306	0.50	0	64.8	51.0	42.4	22.5	22.5
10-11 AM	1293	0.0	386	0.0	1499	1293	0	386	0.75	0	64.0	45.7	36.0	21.9	21.9
11A-NOON	1740	0.0	470	0.0	1499	1740	0	470	3.96	100	63.2	20.6	30.8	21.2	21.2
NOON-1PM	1928	0.0	465	0.0	1500	1760	169	634	15.88	408	62.8	9.0	30.8	21.3	21.3
1-2 PM	1971	0.0	443	0.0	1499	1508	463	906	19.66	503	62.7	8.2	30.8	21.4	19.6
2-3 PM	2018	0.0	471	0.0	1500	1525	494	965	20.23	519	62.6	8.1	30.8	21.2	19.2
3-4 PM	2205	0.0	491	0.0	1500	1565	639	1130	22.00	567	62.3	7.8	30.8	21.1	18.1
4-5 PM	2373	0.0	543	0.0	1500	1578	795	1337	24.66	640	62.0	7.5	30.8	20.7	16.7
5-6 PM	2535	0.0	537	0.0	1500	1547	988	1525	27.56	720	60.5	7.2	30.8	20.7	15.5
6-7 PM	2018	0.0	462	0.0	1499	1274	744	1207	23.05	598	62.6	7.7	30.8	21.3	17.6
7-8 PM	1596	0.0	376	0.0	1500	1392	204	580	17.00	432	63.4	8.7	30.8	22.0	21.8
8-9 PM	1259	0.0	261	0.0	1499	1259	0	261	11.51	292	64.0	10.6	31.4	22.9	23.6
9-10 PM	855	0.0	194	0.0	1500	855	0	194	0.88	20	64.8	43.9	42.1	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

----- 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	0.0052
DIVERSION	0.0809

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY (DOLLARS)	\$119,253
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

