

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	
FRIDAY	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	167	0.0	42	0.0	OFF	167	0	42	0.00	0	66.1	66.1	66.1	24.5	24.5
1-2 AM	122	0.0	33	0.0	OFF	122	0	33	0.00	0	66.1	66.1	66.1	24.6	24.6
2-3 AM	115	0.0	32	0.0	OFF	115	0	32	0.00	0	66.2	66.2	66.2	24.6	24.6
3-4 AM	105	0.0	33	0.0	OFF	105	0	33	0.00	0	66.2	66.2	66.2	24.6	24.6
4-5 AM	196	0.0	118	0.0	OFF	196	0	118	0.00	0	66.0	66.0	66.0	23.9	23.9
5-6 AM	388	0.0	300	0.0	OFF	388	0	300	0.00	0	65.6	65.6	65.6	22.5	22.5
6-7 AM	870	0.0	586	0.0	OFF	870	0	586	0.00	0	64.8	64.8	64.8	20.4	20.4
7-8 AM	1238	0.0	902	0.0	OFF	1238	0	902	0.00	0	64.1	64.1	64.1	17.9	17.9
8-9 AM	1323	0.0	591	0.0	OFF	1323	0	591	0.00	0	63.9	63.9	63.9	20.3	20.3
9-10 AM	1420	0.0	430	0.0	OFF	1420	0	430	0.00	0	63.7	63.7	63.7	21.5	21.5
10-11 AM	1473	0.0	441	0.0	1499	1473	0	441	0.99	0	63.7	41.7	31.4	21.5	21.5
11A-NOON	1503	0.0	493	0.0	1499	1503	0	493	1.07	1	63.6	40.5	30.9	21.1	21.1
NOON-1PM	1550	0.0	540	0.0	1500	1550	0	540	1.84	23	63.5	32.2	30.8	20.7	20.7
1-2 PM	1734	0.0	571	0.0	1500	1734	0	571	6.56	163	63.2	14.7	30.8	20.4	20.6
2-3 PM	1838	0.0	594	0.0	1500	1725	114	708	16.59	425	63.0	8.8	30.8	20.3	20.8
3-4 PM	2032	0.0	697	0.0	OFF	2032	0	697	1.08	67	62.6	40.1	40.1	19.5	19.5
4-5 PM	2199	0.0	725	0.0	OFF	2199	0	725	0.00	0	62.3	62.3	62.3	19.3	19.3
5-6 PM	2085	0.0	668	0.0	OFF	2085	0	668	0.00	0	62.5	62.5	62.5	19.7	19.7
6-7 PM	2240	0.0	474	0.0	OFF	2240	0	474	0.00	0	62.2	62.2	62.2	21.2	21.2
7-8 PM	1453	0.0	304	0.0	OFF	1453	0	304	0.00	0	63.7	63.7	63.7	22.5	22.5
8-9 PM	862	0.0	226	0.0	OFF	862	0	226	0.00	0	64.8	64.8	64.8	23.1	23.1
9-10 PM	672	0.0	246	0.0	OFF	672	0	246	0.00	0	65.1	65.1	65.1	23.0	23.0
10-11 PM	539	0.0	189	0.0	OFF	539	0	189	0.00	0	65.4	65.4	65.4	23.4	23.4
11PM-MID	374	0.0	134	0.0	OFF	374	0	134	0.00	0	65.7	65.7	65.7	23.8	23.8

"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	0.0084
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0702

PIA: Personal Injury Accidents

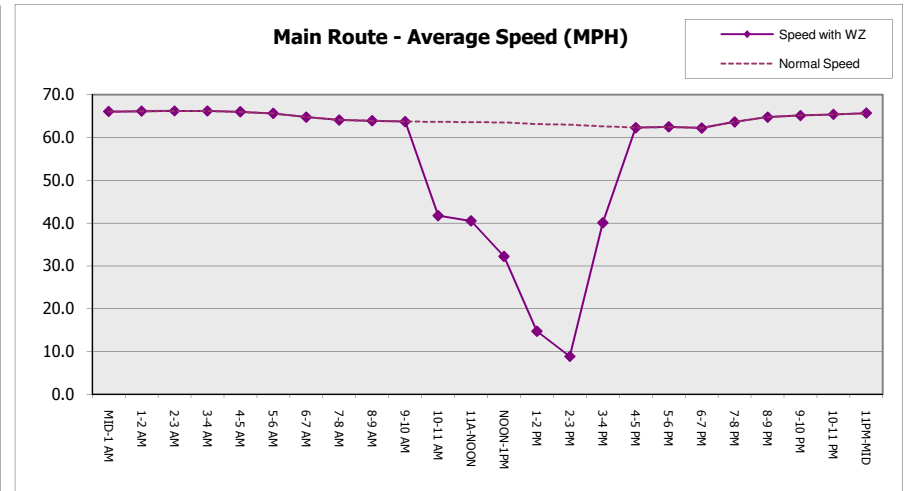
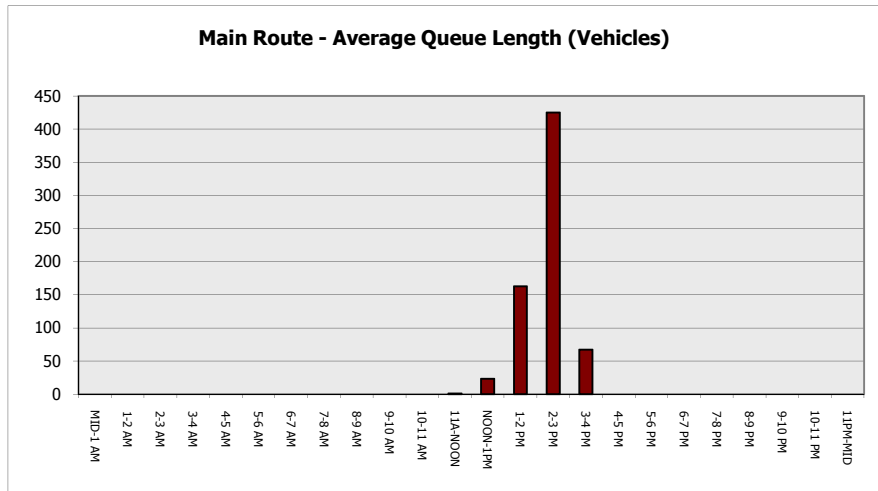
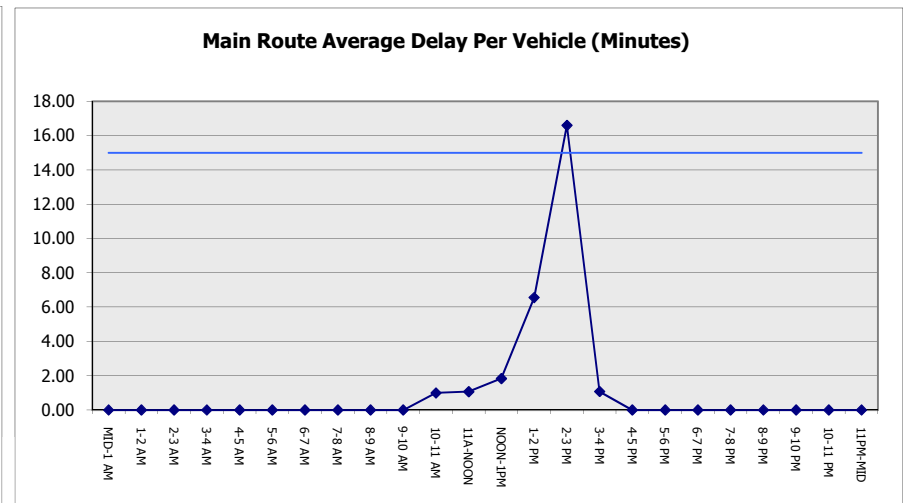
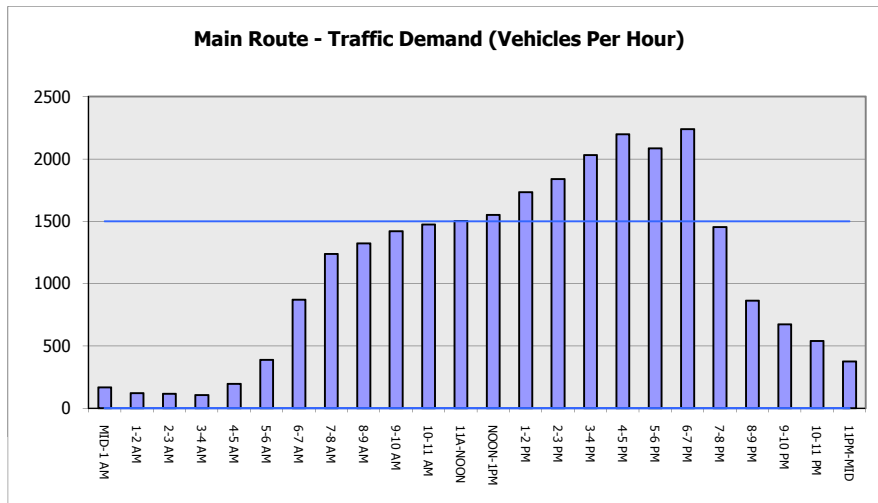
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,722
CONGESTED HOURS PER DAY*	1

*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
FRIDAY 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	
FRIDAY	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	134	0.0	93	0.0	OFF	134	0	93	0.00	0	66.1	66.1	66.1	24.2	24.2
1-2 AM	104	0.0	61	0.0	OFF	104	0	61	0.00	0	66.2	66.2	66.2	24.3	24.3
2-3 AM	90	0.0	48	0.0	OFF	90	0	48	0.00	0	66.2	66.2	66.2	24.5	24.5
3-4 AM	131	0.0	28	0.0	OFF	131	0	28	0.00	0	66.1	66.1	66.1	24.7	24.7
4-5 AM	212	0.0	55	0.0	OFF	212	0	55	0.00	0	66.0	66.0	66.0	24.4	24.4
5-6 AM	460	0.0	186	0.0	OFF	460	0	186	0.00	0	65.5	65.5	65.5	23.4	23.4
6-7 AM	811	0.0	478	0.0	OFF	811	0	478	0.00	0	64.9	64.9	64.9	21.2	21.2
7-8 AM	1037	0.0	754	0.0	OFF	1037	0	754	0.00	0	64.5	64.5	64.5	19.1	19.1
8-9 AM	900	0.0	584	0.0	OFF	900	0	584	0.00	0	64.7	64.7	64.7	20.4	20.4
9-10 AM	861	0.0	475	0.0	OFF	861	0	475	0.00	0	64.8	64.8	64.8	21.2	21.2
10-11 AM	928	0.0	515	0.0	1500	928	0	515	0.51	0	64.6	50.7	41.9	20.9	20.9
11A-NOON	1038	0.0	598	0.0	1500	1038	0	598	0.52	0	64.5	50.3	41.5	20.2	20.2
NOON-1PM	1166	0.0	630	0.0	1500	1166	0	630	0.59	0	64.2	48.7	39.6	20.0	20.0
1-2 PM	1358	0.0	672	0.0	1499	1358	0	672	0.84	0	63.8	44.2	34.0	19.7	19.7
2-3 PM	1594	0.0	855	0.0	1499	1594	0	855	2.11	34	63.4	29.9	30.8	18.3	18.3
3-4 PM	1756	0.0	996	0.0	OFF	1756	0	996	0.03	1	63.1	62.0	62.0	17.2	17.2
4-5 PM	1882	0.0	1139	0.0	OFF	1882	0	1139	0.00	0	62.9	62.9	62.9	16.1	16.1
5-6 PM	1750	0.0	984	0.0	OFF	1750	0	984	0.00	0	63.2	63.2	63.2	17.3	17.3
6-7 PM	1359	0.0	693	0.0	OFF	1359	0	693	0.00	0	63.8	63.8	63.8	19.5	19.5
7-8 PM	1010	0.0	442	0.0	OFF	1010	0	442	0.00	0	64.5	64.5	64.5	21.4	21.4
8-9 PM	755	0.0	370	0.0	OFF	755	0	370	0.00	0	65.0	65.0	65.0	22.0	22.0
9-10 PM	507	0.0	329	0.0	OFF	507	0	329	0.00	0	65.5	65.5	65.5	22.3	22.3
10-11 PM	563	0.0	299	0.0	OFF	563	0	299	0.00	0	65.3	65.3	65.3	22.5	22.5
11PM-MID	455	0.0	198	0.0	OFF	455	0	198	0.00	0	65.5	65.5	65.5	23.3	23.3

"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	0.0066
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0850

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,217
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

