

**USH 10: USH 45 TO CTH CB (WINNEBAGO COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH CB - CTH II**

OCTOBER
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SATURDAY WESTBOUND 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	61	0.0	33	0.0	1500	61	0	33	0.43	0	66.3	63.4	45.3	34.4	34.4
1-2 AM	38	0.0	21	0.0	1500	38	0	21	0.43	0	66.3	63.5	45.3	34.5	34.5
2-3 AM	32	0.0	18	0.0	1500	32	0	18	0.43	0	66.3	63.5	45.4	34.6	34.6
3-4 AM	27	0.0	14	0.0	1500	27	0	14	0.43	0	66.3	63.5	45.4	34.6	34.6
4-5 AM	67	0.0	36	0.0	1500	67	0	36	0.43	0	66.3	63.4	45.2	34.4	34.4
5-6 AM	157	0.0	84	0.0	1500	157	0	84	0.44	0	66.1	63.2	44.8	33.8	33.8
6-7 AM	193	0.0	103	0.0	1500	193	0	103	0.44	0	66.0	63.1	44.7	33.7	33.7
7-8 AM	249	0.0	134	0.0	1500	249	0	134	0.45	0	66.0	63.0	44.5	33.3	33.3
8-9 AM	363	0.0	195	0.0	1500	363	0	195	0.46	0	65.7	62.7	44.0	32.7	32.7
9-10 AM	416	0.0	223	0.0	1500	416	0	223	0.46	0	65.6	62.6	43.8	32.4	32.4
10-11 AM	447	0.0	240	0.0	1500	447	0	240	0.47	0	65.6	62.5	43.7	32.2	32.2
11A-NOON	453	0.0	244	0.0	1500	453	0	244	0.47	0	65.5	62.5	43.7	32.1	32.1
NOON-1PM	486	0.0	262	0.0	1500	486	0	262	0.47	0	65.5	62.4	43.5	31.9	31.9
1-2 PM	496	0.0	266	0.0	1500	496	0	266	0.47	0	65.5	62.4	43.5	31.9	31.9
2-3 PM	477	0.0	256	0.0	1500	477	0	256	0.47	0	65.5	62.5	43.6	32.0	32.0
3-4 PM	482	0.0	258	0.0	1500	482	0	258	0.47	0	65.5	62.4	43.6	31.9	31.9
4-5 PM	489	0.0	263	0.0	1500	489	0	263	0.47	0	65.5	62.4	43.5	31.9	31.9
5-6 PM	399	0.0	214	0.0	1500	399	0	214	0.46	0	65.6	62.7	43.9	32.4	32.4
6-7 PM	358	0.0	193	0.0	1500	358	0	193	0.46	0	65.7	62.7	44.0	32.7	32.7
7-8 PM	270	0.0	145	0.0	1500	270	0	145	0.45	0	65.9	62.9	44.4	33.2	33.2
8-9 PM	232	0.0	125	0.0	1500	232	0	125	0.45	0	66.0	63.0	44.5	33.4	33.4
9-10 PM	206	0.0	111	0.0	1500	206	0	111	0.44	0	66.0	63.1	44.6	33.5	33.5
10-11 PM	137	0.0	74	0.0	1500	137	0	74	0.44	0	66.1	63.2	45.0	34.0	34.0
11PM-MID	123	0.0	66	0.0	1500	123	0	66	0.43	0	66.1	63.3	45.0	34.0	34.0

----- SITE BREAKDOWN DELAYS -----

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0111
MAIN ROUTE WITH WORKS	0.0107
DIVERSION	0.0492

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

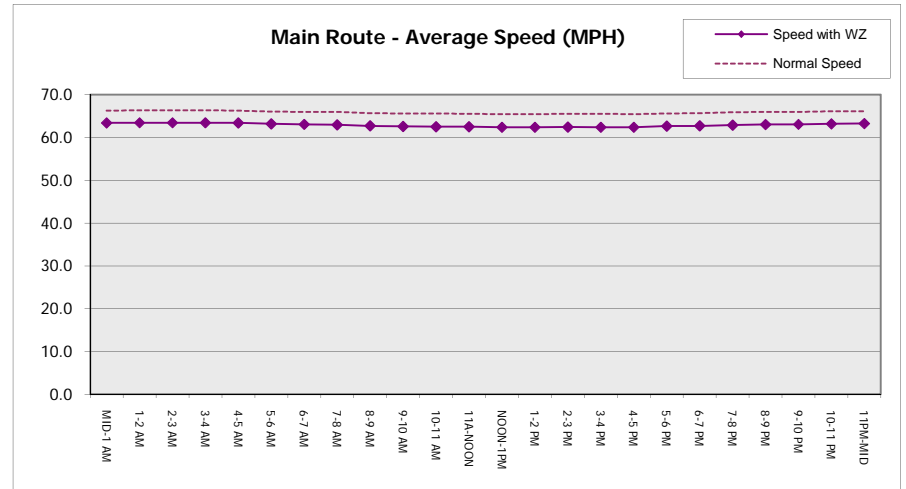
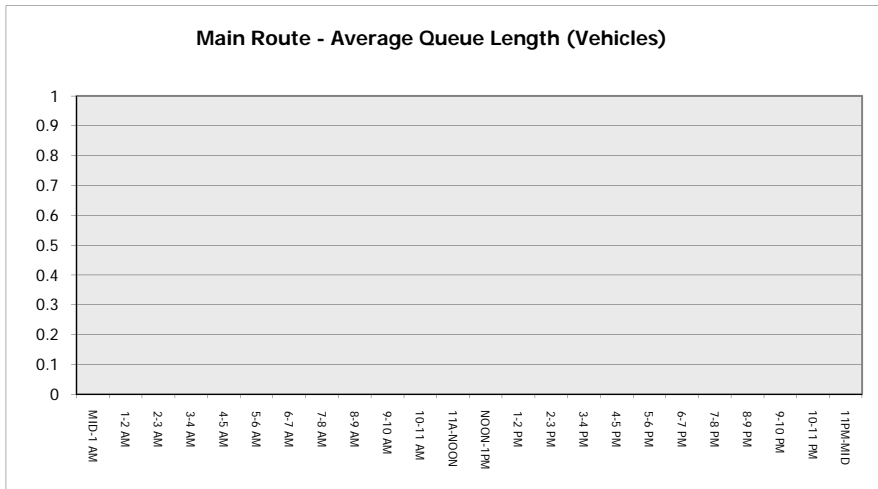
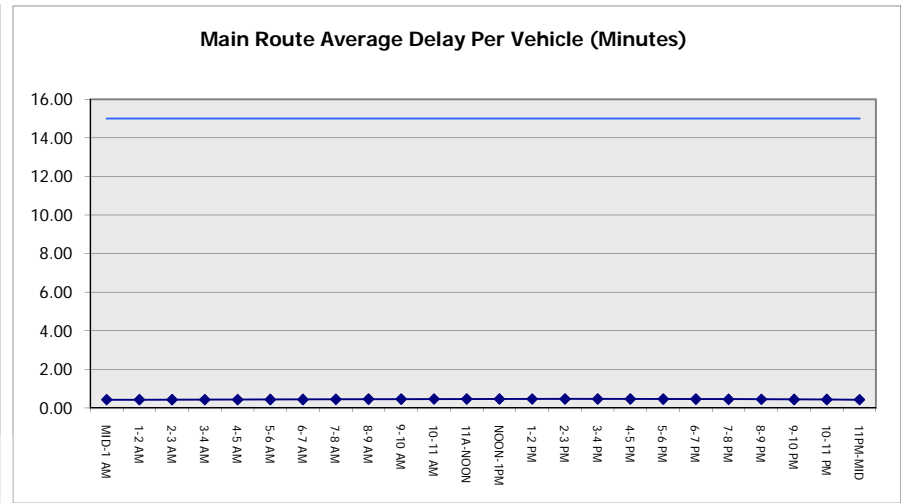
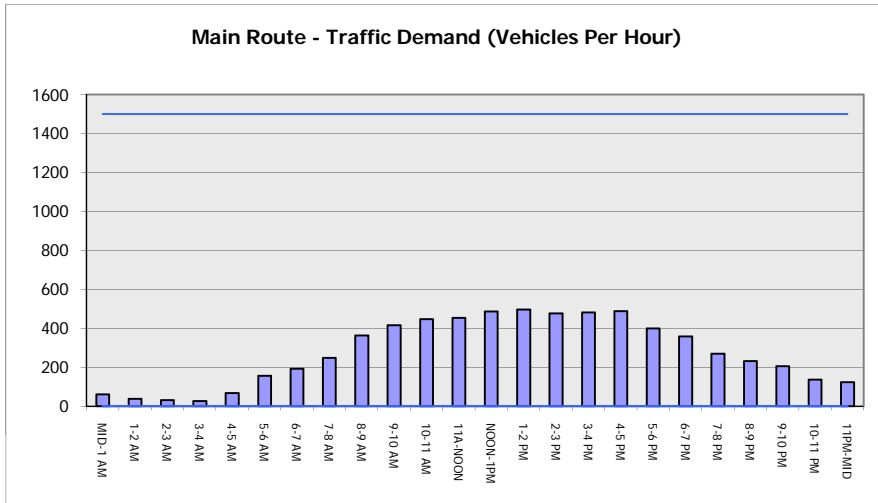
ROAD USER COSTS PER DAY (DOLLARS)	\$769
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH CB - CTH II

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



USH 10: USH 45 TO CTH CB (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH CB - CTH II	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND 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	39	0.0	21	0.0	1500	39	0	21	0.43	0	66.3	63.5	45.3	34.5	34.5
1-2 AM	25	0.0	13	0.0	1500	25	0	13	0.42	0	66.3	63.5	45.4	34.7	34.7
2-3 AM	21	0.0	11	0.0	1500	21	0	11	0.42	0	66.3	63.5	45.4	34.7	34.7
3-4 AM	23	0.0	12	0.0	1500	23	0	12	0.42	0	66.3	63.5	45.4	34.7	34.7
4-5 AM	45	0.0	24	0.0	1500	45	0	24	0.43	0	66.3	63.5	45.3	34.5	34.5
5-6 AM	93	0.0	50	0.0	1500	93	0	50	0.43	0	66.2	63.3	45.1	34.2	34.2
6-7 AM	121	0.0	65	0.0	1500	121	0	65	0.43	0	66.1	63.3	45.0	34.1	34.1
7-8 AM	202	0.0	108	0.0	1500	202	0	108	0.44	0	66.0	63.1	44.6	33.6	33.6
8-9 AM	286	0.0	153	0.0	1500	286	0	153	0.45	0	65.8	62.9	44.3	33.1	33.1
9-10 AM	406	0.0	218	0.0	1500	406	0	218	0.46	0	65.6	62.6	43.8	32.4	32.4
10-11 AM	481	0.0	258	0.0	1500	481	0	258	0.47	0	65.5	62.5	43.6	31.9	31.9
11A-NOON	488	0.0	262	0.0	1500	488	0	262	0.47	0	65.5	62.4	43.5	31.9	31.9
NOON-1PM	486	0.0	261	0.0	1500	486	0	261	0.47	0	65.5	62.4	43.5	31.9	31.9
1-2 PM	449	0.0	241	0.0	1500	449	0	241	0.47	0	65.6	62.5	43.7	32.1	32.1
2-3 PM	440	0.0	237	0.0	1500	440	0	237	0.47	0	65.6	62.5	43.7	32.2	32.2
3-4 PM	448	0.0	241	0.0	1500	448	0	241	0.47	0	65.6	62.5	43.7	32.1	32.1
4-5 PM	461	0.0	247	0.0	1500	461	0	247	0.47	0	65.5	62.5	43.7	32.0	32.0
5-6 PM	431	0.0	232	0.0	1500	431	0	232	0.46	0	65.6	62.5	43.8	32.2	32.2
6-7 PM	389	0.0	209	0.0	1500	389	0	209	0.46	0	65.6	62.7	44.0	32.5	32.5
7-8 PM	370	0.0	199	0.0	1500	370	0	199	0.46	0	65.7	62.7	44.0	32.6	32.6
8-9 PM	249	0.0	133	0.0	1500	249	0	133	0.45	0	66.0	63.0	44.5	33.3	33.3
9-10 PM	195	0.0	105	0.0	1500	195	0	105	0.44	0	66.0	63.1	44.7	33.6	33.6
10-11 PM	122	0.0	65	0.0	1500	122	0	65	0.43	0	66.1	63.3	45.0	34.1	34.1
11PM-MID	80	0.0	43	0.0	1500	80	0	43	0.43	0	66.3	63.3	45.1	34.3	34.3

----- 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	0.0106
MAIN ROUTE WITH WORKS	0.0102
DIVERSION	0.0469

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$733
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH CB - CTH II**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

