

**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

FRIDAY 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	54	0.0	29	0.0	1500	54	0	29	0.43	0	66.3	63.4	45.3	34.5	34.5
1-2 AM	31	0.0	18	0.0	1500	31	0	18	0.43	0	66.3	63.5	45.4	34.6	34.6
2-3 AM	40	0.0	21	0.0	1500	40	0	21	0.43	0	66.3	63.5	45.3	34.5	34.5
3-4 AM	41	0.0	22	0.0	1500	41	0	22	0.43	0	66.3	63.5	45.3	34.5	34.5
4-5 AM	64	0.0	34	0.0	1500	64	0	34	0.43	0	66.3	63.4	45.2	34.4	34.4
5-6 AM	167	0.0	90	0.0	1500	167	0	90	0.44	0	66.1	63.2	44.8	33.8	33.8
6-7 AM	330	0.0	177	0.0	1500	330	0	177	0.45	0	65.8	62.8	44.2	32.9	32.9
7-8 AM	386	0.0	207	0.0	1500	386	0	207	0.46	0	65.6	62.7	44.0	32.5	32.5
8-9 AM	362	0.0	195	0.0	1500	362	0	195	0.46	0	65.7	62.7	44.0	32.7	32.7
9-10 AM	376	0.0	202	0.0	1500	376	0	202	0.46	0	65.7	62.7	44.0	32.5	32.5
10-11 AM	390	0.0	209	0.0	1500	390	0	209	0.46	0	65.6	62.7	43.9	32.5	32.5
11A-NOON	429	0.0	231	0.0	1500	429	0	231	0.46	0	65.6	62.5	43.8	32.2	32.2
NOON-1PM	516	0.0	277	0.0	1500	516	0	277	0.47	0	65.5	62.3	43.5	31.7	31.7
1-2 PM	558	0.0	300	0.0	1500	558	0	300	0.48	0	65.3	62.3	43.3	31.5	31.5
2-3 PM	675	0.0	362	0.0	1500	675	0	362	0.49	0	65.1	62.0	42.8	30.8	30.8
3-4 PM	870	0.0	468	0.0	1500	870	0	468	0.51	0	64.8	61.5	42.2	29.6	29.6
4-5 PM	974	0.0	523	0.0	1500	974	0	523	0.52	0	64.6	61.3	41.8	29.1	29.1
5-6 PM	791	0.0	425	0.0	1500	791	0	425	0.50	0	64.9	61.7	42.4	30.1	30.1
6-7 PM	510	0.0	274	0.0	1500	510	0	274	0.47	0	65.5	62.3	43.5	31.8	31.8
7-8 PM	352	0.0	189	0.0	1500	352	0	189	0.46	0	65.7	62.7	44.1	32.7	32.7
8-9 PM	276	0.0	148	0.0	1500	276	0	148	0.45	0	65.9	62.9	44.4	33.2	33.2
9-10 PM	240	0.0	129	0.0	1500	240	0	129	0.45	0	66.0	63.0	44.5	33.3	33.3
10-11 PM	174	0.0	94	0.0	1500	174	0	94	0.44	0	66.1	63.2	44.8	33.7	33.7
11PM-MID	109	0.0	59	0.0	1500	109	0	59	0.43	0	66.2	63.3	45.1	34.2	34.2

----- 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	0.0146
MAIN ROUTE WITH WORKS	0.0140
DIVERSION	0.0643

PIA: Personal Injury Accidents

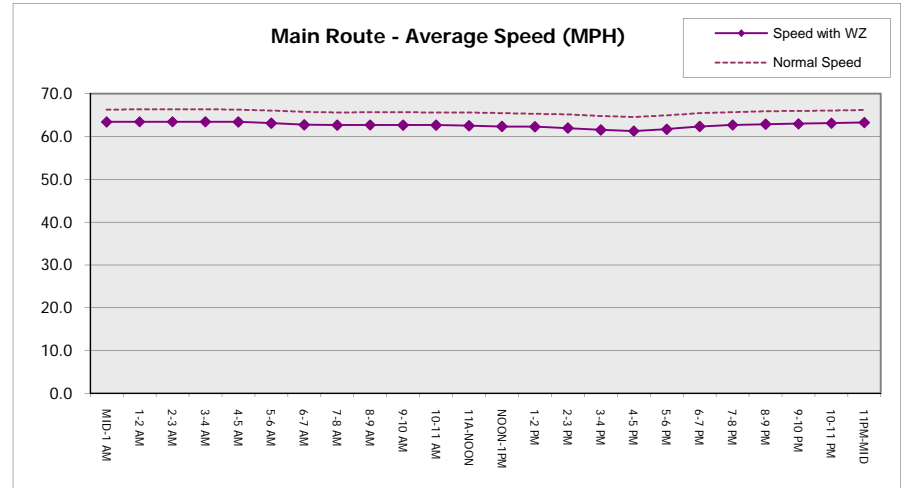
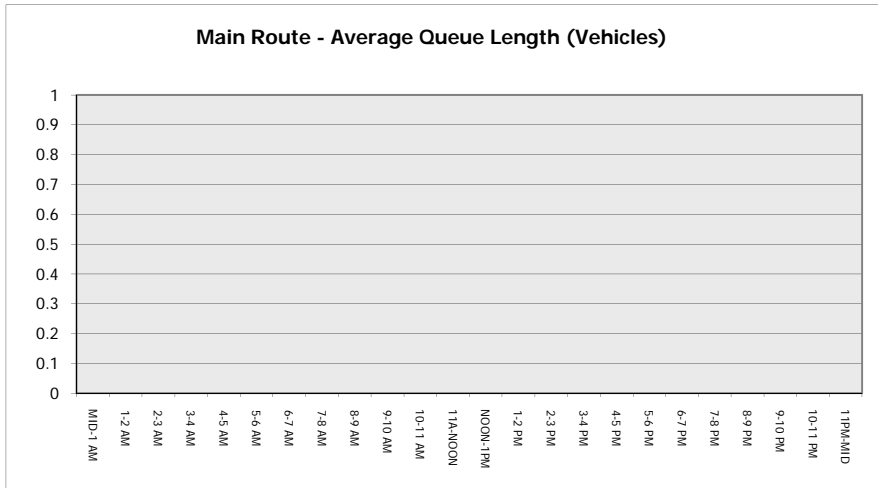
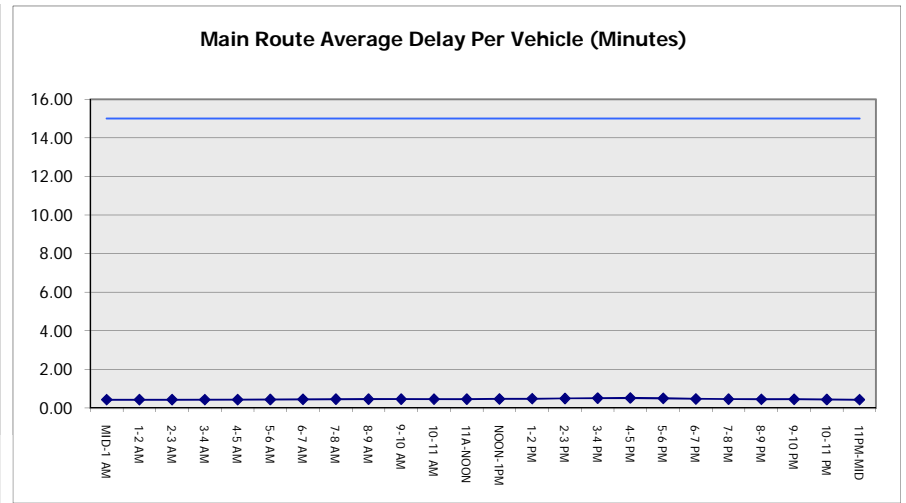
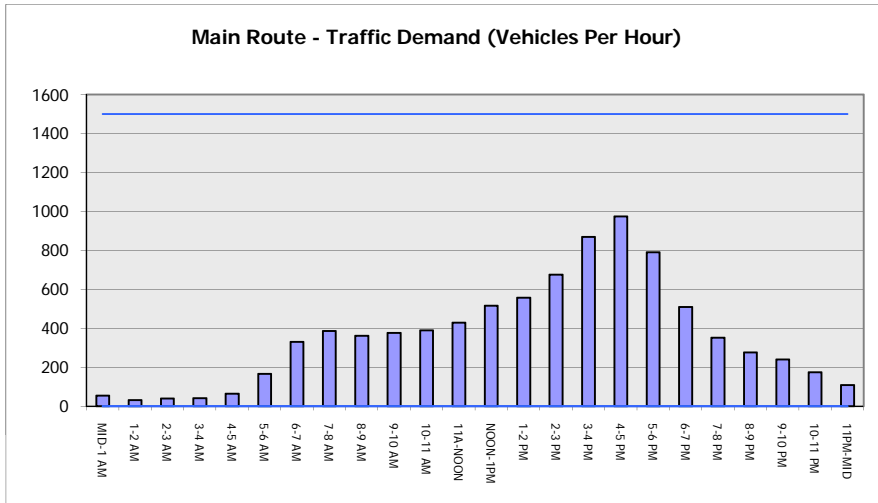
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$843
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

FRIDAY 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	24	0.0	12	0.0	1500	24	0	12	0.42	0	66.3	63.5	45.4	34.7	34.7
1-2 AM	22	0.0	11	0.0	1500	22	0	11	0.42	0	66.3	63.5	45.4	34.7	34.7
2-3 AM	22	0.0	12	0.0	1500	22	0	12	0.42	0	66.3	63.5	45.4	34.7	34.7
3-4 AM	31	0.0	16	0.0	1500	31	0	16	0.43	0	66.3	63.5	45.4	34.6	34.6
4-5 AM	113	0.0	61	0.0	1500	113	0	61	0.43	0	66.2	63.3	45.0	34.1	34.1
5-6 AM	310	0.0	167	0.0	1500	310	0	167	0.45	0	65.8	62.8	44.2	33.0	33.0
6-7 AM	551	0.0	296	0.0	1500	551	0	296	0.48	0	65.3	62.3	43.3	31.5	31.5
7-8 AM	703	0.0	378	0.0	1500	703	0	378	0.49	0	65.1	61.9	42.7	30.6	30.6
8-9 AM	431	0.0	232	0.0	1500	431	0	232	0.46	0	65.6	62.5	43.8	32.2	32.2
9-10 AM	408	0.0	219	0.0	1500	408	0	219	0.46	0	65.6	62.6	43.8	32.4	32.4
10-11 AM	420	0.0	226	0.0	1500	420	0	226	0.46	0	65.6	62.6	43.8	32.3	32.3
11A-NOON	410	0.0	220	0.0	1500	410	0	220	0.46	0	65.6	62.6	43.8	32.4	32.4
NOON-1PM	431	0.0	232	0.0	1500	431	0	232	0.46	0	65.6	62.5	43.8	32.2	32.2
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	494	0.0	265	0.0	1500	494	0	265	0.47	0	65.5	62.4	43.5	31.9	31.9
3-4 PM	579	0.0	311	0.0	1500	579	0	311	0.48	0	65.3	62.2	43.2	31.4	31.4
4-5 PM	587	0.0	315	0.0	1500	587	0	315	0.48	0	65.3	62.2	43.2	31.3	31.3
5-6 PM	549	0.0	295	0.0	1500	549	0	295	0.48	0	65.4	62.3	43.3	31.5	31.5
6-7 PM	397	0.0	213	0.0	1500	397	0	213	0.46	0	65.6	62.7	43.9	32.4	32.4
7-8 PM	314	0.0	169	0.0	1500	314	0	169	0.45	0	65.8	62.8	44.2	32.9	32.9
8-9 PM	204	0.0	110	0.0	1500	204	0	110	0.44	0	66.0	63.1	44.6	33.6	33.6
9-10 PM	182	0.0	98	0.0	1500	182	0	98	0.44	0	66.1	63.2	44.8	33.7	33.7
10-11 PM	116	0.0	62	0.0	1500	116	0	62	0.43	0	66.2	63.3	45.0	34.1	34.1
11PM-MID	72	0.0	38	0.0	1500	72	0	38	0.43	0	66.3	63.4	45.2	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	0.0131
MAIN ROUTE WITH WORKS	0.0126
DIVERSION	0.0577

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$739
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

