

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

MAY
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	63	0.0	34	0.0	1500	63	0	34	0.43	0	66.3	63.4	45.3	34.4	34.4
1-2 AM	41	0.0	22	0.0	1500	41	0	22	0.43	0	66.3	63.5	45.3	34.5	34.5
2-3 AM	31	0.0	16	0.0	1500	31	0	16	0.43	0	66.3	63.5	45.4	34.6	34.6
3-4 AM	38	0.0	21	0.0	1500	38	0	21	0.43	0	66.3	63.5	45.3	34.5	34.5
4-5 AM	65	0.0	35	0.0	1500	65	0	35	0.43	0	66.3	63.4	45.2	34.4	34.4
5-6 AM	96	0.0	51	0.0	1500	96	0	51	0.43	0	66.2	63.3	45.1	34.2	34.2
6-7 AM	191	0.0	103	0.0	1500	191	0	103	0.44	0	66.0	63.1	44.7	33.7	33.7
7-8 AM	263	0.0	141	0.0	1500	263	0	141	0.45	0	65.9	63.0	44.4	33.2	33.2
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	437	0.0	235	0.0	1500	437	0	235	0.46	0	65.6	62.5	43.7	32.2	32.2
10-11 AM	483	0.0	259	0.0	1500	483	0	259	0.47	0	65.5	62.4	43.6	31.9	31.9
11A-NOON	492	0.0	265	0.0	1500	492	0	265	0.47	0	65.5	62.4	43.5	31.9	31.9
NOON-1PM	499	0.0	268	0.0	1500	499	0	268	0.47	0	65.5	62.4	43.5	31.9	31.9
1-2 PM	521	0.0	280	0.0	1500	521	0	280	0.47	0	65.4	62.3	43.4	31.7	31.7
2-3 PM	495	0.0	266	0.0	1500	495	0	266	0.47	0	65.5	62.4	43.5	31.9	31.9
3-4 PM	488	0.0	261	0.0	1500	488	0	261	0.47	0	65.5	62.4	43.5	31.9	31.9
4-5 PM	444	0.0	239	0.0	1500	444	0	239	0.47	0	65.6	62.5	43.7	32.2	32.2
5-6 PM	418	0.0	224	0.0	1500	418	0	224	0.46	0	65.6	62.6	43.8	32.3	32.3
6-7 PM	364	0.0	196	0.0	1500	364	0	196	0.46	0	65.7	62.7	44.0	32.6	32.6
7-8 PM	279	0.0	149	0.0	1500	279	0	149	0.45	0	65.9	62.9	44.3	33.2	33.2
8-9 PM	255	0.0	137	0.0	1500	255	0	137	0.45	0	65.9	63.0	44.5	33.3	33.3
9-10 PM	228	0.0	122	0.0	1500	228	0	122	0.44	0	66.0	63.0	44.6	33.4	33.4
10-11 PM	154	0.0	82	0.0	1500	154	0	82	0.44	0	66.1	63.2	44.9	33.8	33.8
11PM-MID	84	0.0	45	0.0	1500	84	0	45	0.43	0	66.2	63.3	45.1	34.3	34.3

----- 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	0.0114
MAIN ROUTE WITH WORKS	0.0109
DIVERSION	0.0501

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

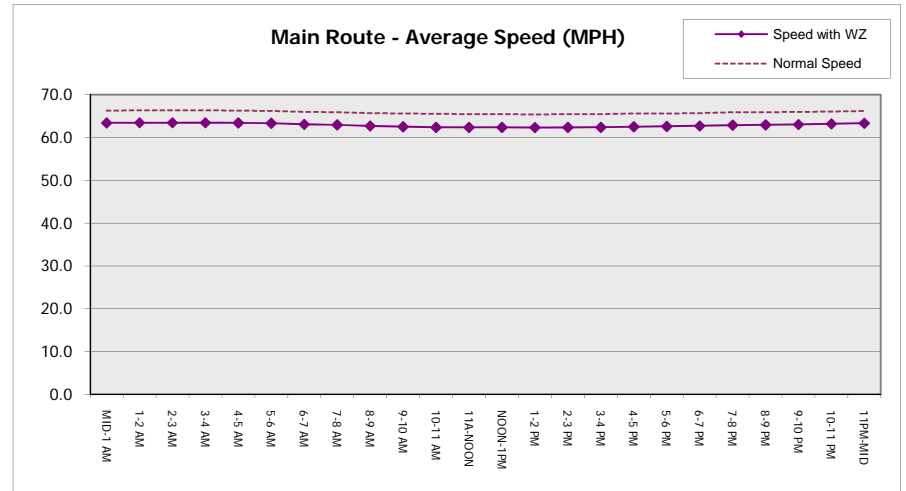
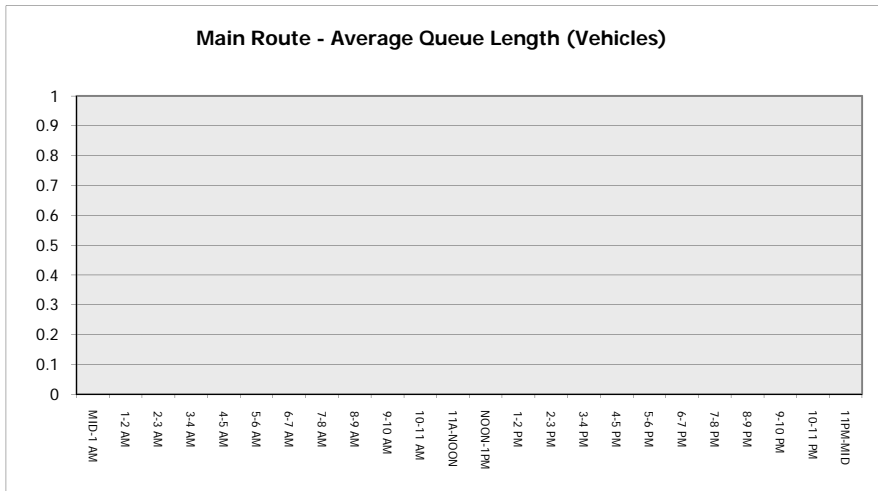
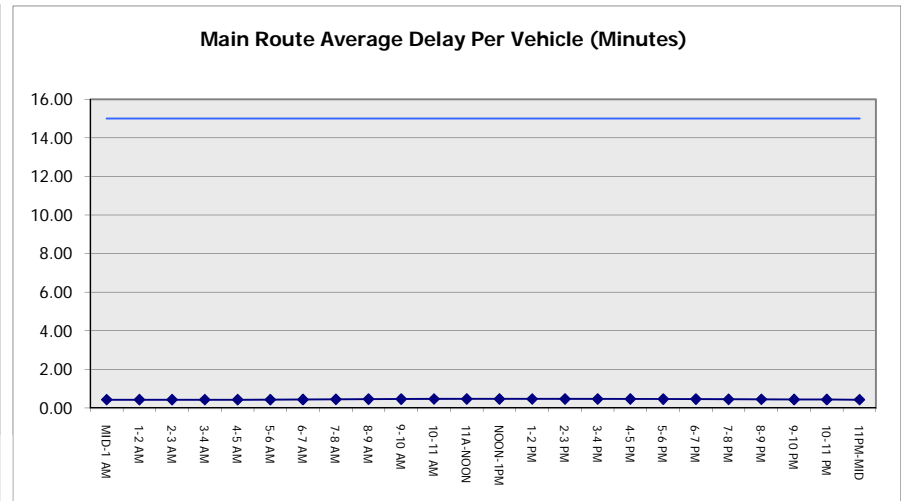
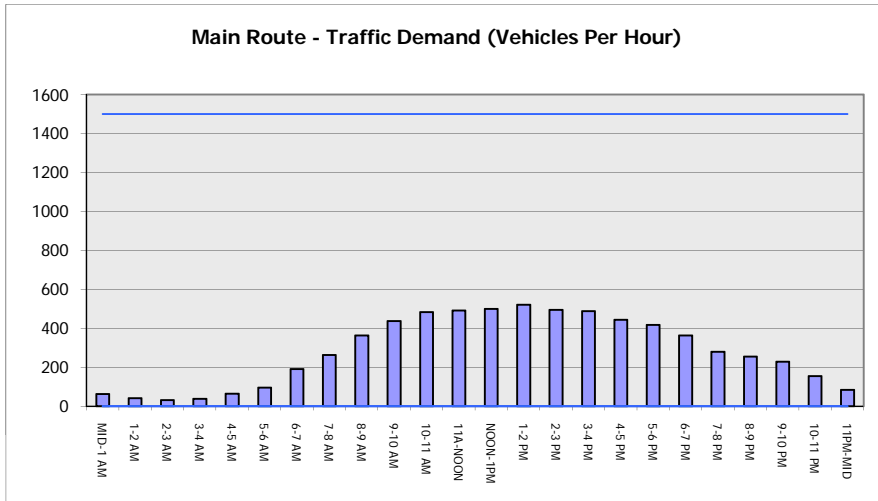
ROAD USER COSTS PER DAY (DOLLARS)	\$784
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

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	MAY
	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	52	0.0	28	0.0	1500	52	0	28	0.43	0	66.3	63.4	45.3	34.5	34.5
1-2 AM	36	0.0	19	0.0	1500	36	0	19	0.43	0	66.3	63.5	45.3	34.6	34.6
2-3 AM	24	0.0	13	0.0	1500	24	0	13	0.42	0	66.3	63.5	45.4	34.7	34.7
3-4 AM	28	0.0	15	0.0	1500	28	0	15	0.43	0	66.3	63.5	45.4	34.6	34.6
4-5 AM	47	0.0	25	0.0	1500	47	0	25	0.43	0	66.3	63.5	45.3	34.5	34.5
5-6 AM	100	0.0	54	0.0	1500	100	0	54	0.43	0	66.2	63.3	45.1	34.2	34.2
6-7 AM	143	0.0	77	0.0	1500	143	0	77	0.44	0	66.1	63.2	44.9	33.9	33.9
7-8 AM	237	0.0	128	0.0	1500	237	0	128	0.45	0	66.0	63.0	44.5	33.3	33.3
8-9 AM	306	0.0	165	0.0	1500	306	0	165	0.45	0	65.8	62.8	44.3	33.0	33.0
9-10 AM	415	0.0	223	0.0	1500	415	0	223	0.46	0	65.6	62.6	43.8	32.4	32.4
10-11 AM	485	0.0	260	0.0	1500	485	0	260	0.47	0	65.5	62.4	43.6	31.9	31.9
11A-NOON	479	0.0	257	0.0	1500	479	0	257	0.47	0	65.5	62.5	43.6	32.0	32.0
NOON-1PM	481	0.0	258	0.0	1500	481	0	258	0.47	0	65.5	62.5	43.6	31.9	31.9
1-2 PM	475	0.0	254	0.0	1500	475	0	254	0.47	0	65.5	62.5	43.6	32.0	32.0
2-3 PM	446	0.0	240	0.0	1500	446	0	240	0.47	0	65.6	62.5	43.7	32.2	32.2
3-4 PM	455	0.0	244	0.0	1500	455	0	244	0.47	0	65.5	62.5	43.7	32.1	32.1
4-5 PM	445	0.0	239	0.0	1500	445	0	239	0.47	0	65.6	62.5	43.7	32.2	32.2
5-6 PM	426	0.0	228	0.0	1500	426	0	228	0.46	0	65.6	62.6	43.8	32.3	32.3
6-7 PM	368	0.0	198	0.0	1500	368	0	198	0.46	0	65.7	62.7	44.0	32.6	32.6
7-8 PM	292	0.0	156	0.0	1500	292	0	156	0.45	0	65.8	62.9	44.3	33.0	33.0
8-9 PM	268	0.0	144	0.0	1500	268	0	144	0.45	0	65.9	62.9	44.4	33.2	33.2
9-10 PM	221	0.0	118	0.0	1500	221	0	118	0.44	0	66.0	63.0	44.6	33.5	33.5
10-11 PM	154	0.0	83	0.0	1500	154	0	83	0.44	0	66.1	63.2	44.9	33.8	33.8
11PM-MID	88	0.0	47	0.0	1500	88	0	47	0.43	0	66.2	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	0.0108
MAIN ROUTE WITH WORKS	0.0104
DIVERSION	0.0478

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$747
CONGESTED HOURS PER DAY*	0

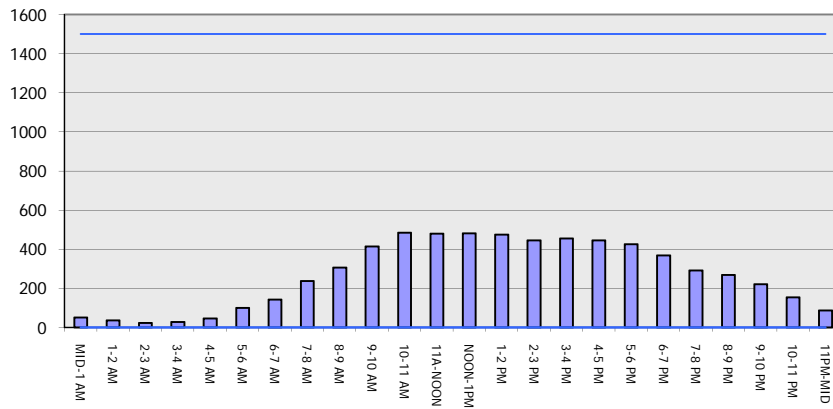
*Delays Exceeding 15 Minutes

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

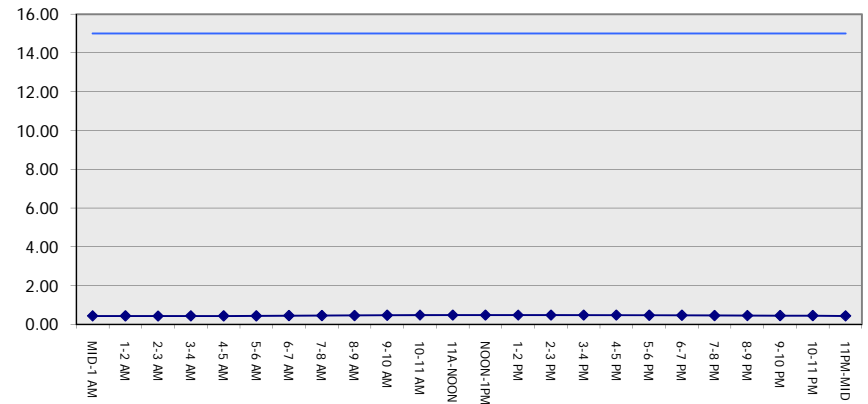
MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

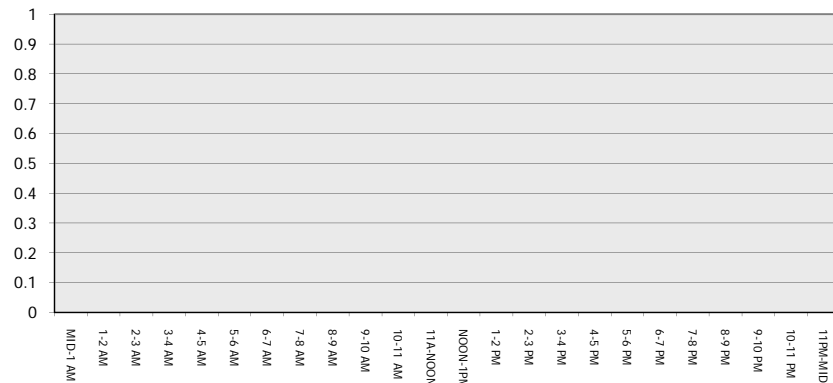
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

