

**USH 10: STH 96 TO USH 45 (WINNEBAGO AND WAUPACA COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 96 - USH 45**

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	81	0.0	20	0.0	1500	81	0	20	0.43	0	66.3	61.2	45.1	50.1	50.1
1-2 AM	49	0.0	13	0.0	1500	49	0	13	0.43	0	66.3	61.3	45.3	50.2	50.2
2-3 AM	43	0.0	10	0.0	1500	43	0	10	0.43	0	66.3	61.3	45.3	50.2	50.2
3-4 AM	50	0.0	13	0.0	1500	50	0	13	0.43	0	66.3	61.3	45.3	50.2	50.2
4-5 AM	80	0.0	20	0.0	1500	80	0	20	0.43	0	66.3	61.2	45.1	50.1	50.1
5-6 AM	117	0.0	28	0.0	1500	117	0	28	0.43	0	66.1	61.1	45.0	50.0	50.0
6-7 AM	213	0.0	52	0.0	1500	213	0	52	0.44	0	66.0	60.9	44.6	49.8	49.8
7-8 AM	329	0.0	81	0.0	1500	329	0	81	0.45	0	65.8	60.5	44.2	49.5	49.5
8-9 AM	464	0.0	114	0.0	1500	464	0	114	0.47	0	65.5	60.2	43.7	49.1	49.1
9-10 AM	571	0.0	141	0.0	1500	571	0	141	0.48	0	65.3	59.9	43.2	48.9	48.9
10-11 AM	606	0.0	150	0.0	1500	606	0	150	0.48	0	65.3	59.9	43.1	48.8	48.8
11A-NOON	597	0.0	147	0.0	1500	597	0	147	0.48	0	65.3	59.9	43.2	48.8	48.8
NOON-1PM	575	0.0	142	0.0	1500	575	0	142	0.48	0	65.3	59.9	43.2	48.9	48.9
1-2 PM	582	0.0	143	0.0	1500	582	0	143	0.48	0	65.3	59.9	43.2	48.9	48.9
2-3 PM	541	0.0	133	0.0	1500	541	0	133	0.47	0	65.4	60.0	43.3	48.9	48.9
3-4 PM	531	0.0	131	0.0	1500	531	0	131	0.47	0	65.4	60.1	43.4	49.0	49.0
4-5 PM	485	0.0	119	0.0	1500	485	0	119	0.47	0	65.5	60.2	43.6	49.1	49.1
5-6 PM	462	0.0	114	0.0	1500	462	0	114	0.47	0	65.5	60.2	43.7	49.1	49.1
6-7 PM	402	0.0	99	0.0	1500	402	0	99	0.46	0	65.6	60.4	43.9	49.3	49.3
7-8 PM	322	0.0	80	0.0	1500	322	0	80	0.45	0	65.8	60.6	44.2	49.5	49.5
8-9 PM	272	0.0	67	0.0	1500	272	0	67	0.45	0	65.9	60.7	44.4	49.6	49.6
9-10 PM	237	0.0	59	0.0	1500	237	0	59	0.45	0	66.0	60.8	44.5	49.7	49.7
10-11 PM	161	0.0	40	0.0	1500	161	0	40	0.44	0	66.1	61.0	44.8	49.9	49.9
11PM-MID	92	0.0	23	0.0	1500	92	0	23	0.43	0	66.2	61.2	45.1	50.1	50.1

----- 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	0.0073
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.0062

PIA: Personal Injury Accidents

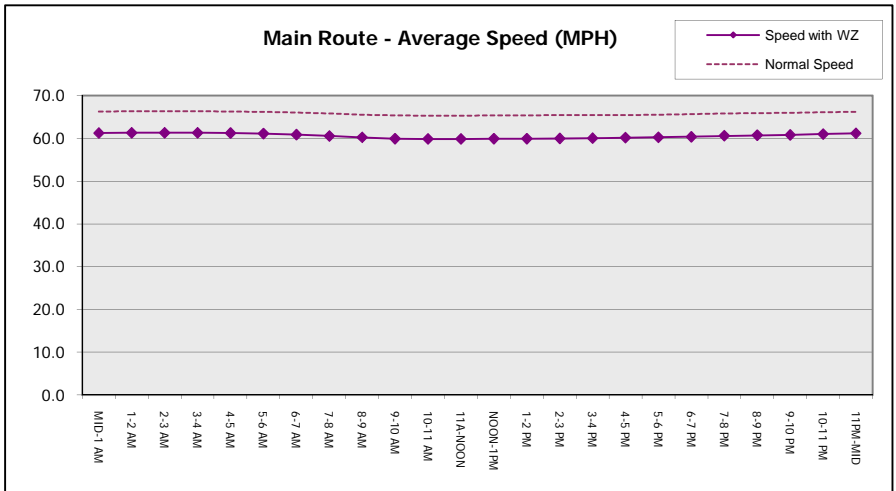
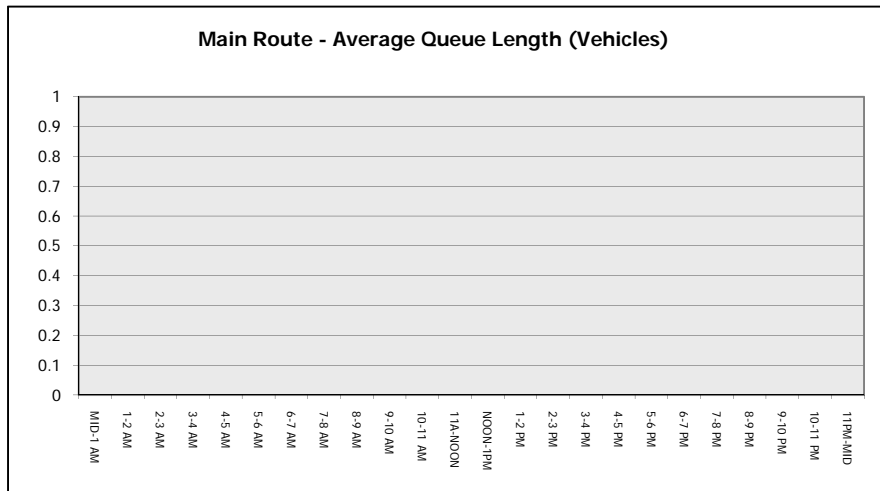
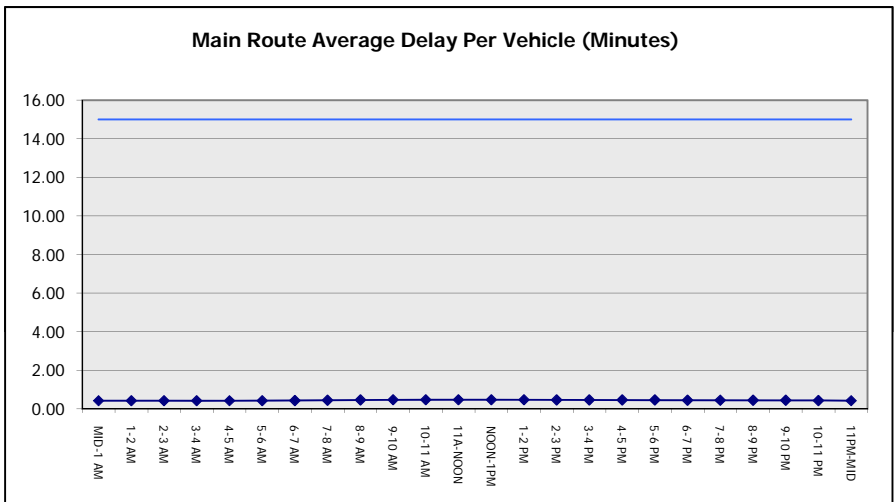
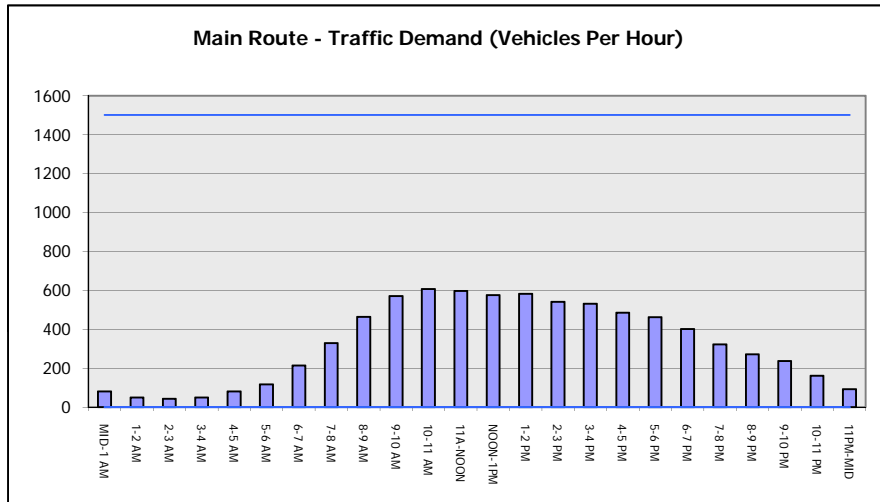
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$922
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 96 - USH 45

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



USH 10: STH 96 TO USH 45 (WINNEBAGO AND WAUPACA COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 96 - USH 45	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	57	0.0	14	0.0	1500	57	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2
1-2 AM	40	0.0	9	0.0	1500	40	0	9	0.43	0	66.3	61.4	45.3	50.2	50.2
2-3 AM	26	0.0	6	0.0	1500	26	0	6	0.42	0	66.3	61.4	45.4	50.2	50.2
3-4 AM	30	0.0	7	0.0	1500	30	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
4-5 AM	47	0.0	12	0.0	1500	47	0	12	0.43	0	66.3	61.3	45.3	50.2	50.2
5-6 AM	88	0.0	22	0.0	1500	88	0	22	0.43	0	66.2	61.2	45.1	50.1	50.1
6-7 AM	135	0.0	33	0.0	1500	135	0	33	0.44	0	66.1	61.0	45.0	50.0	50.0
7-8 AM	260	0.0	64	0.0	1500	260	0	64	0.45	0	65.9	60.7	44.5	49.7	49.7
8-9 AM	358	0.0	88	0.0	1500	358	0	88	0.46	0	65.7	60.5	44.0	49.4	49.4
9-10 AM	489	0.0	120	0.0	1500	489	0	120	0.47	0	65.5	60.2	43.5	49.1	49.1
10-11 AM	577	0.0	142	0.0	1500	577	0	142	0.48	0	65.3	59.9	43.2	48.9	48.9
11A-NOON	558	0.0	137	0.0	1500	558	0	137	0.48	0	65.3	60.0	43.3	48.9	48.9
NOON-1PM	550	0.0	135	0.0	1500	550	0	135	0.48	0	65.4	60.0	43.3	48.9	48.9
1-2 PM	540	0.0	133	0.0	1500	540	0	133	0.47	0	65.4	60.1	43.3	48.9	48.9
2-3 PM	512	0.0	127	0.0	1500	512	0	127	0.47	0	65.5	60.1	43.5	49.0	49.0
3-4 PM	516	0.0	128	0.0	1500	516	0	128	0.47	0	65.5	60.1	43.5	49.0	49.0
4-5 PM	513	0.0	127	0.0	1500	513	0	127	0.47	0	65.5	60.1	43.5	49.0	49.0
5-6 PM	443	0.0	109	0.0	1500	443	0	109	0.47	0	65.6	60.3	43.7	49.2	49.2
6-7 PM	392	0.0	96	0.0	1500	392	0	96	0.46	0	65.6	60.4	43.9	49.3	49.3
7-8 PM	328	0.0	81	0.0	1500	328	0	81	0.45	0	65.8	60.5	44.2	49.5	49.5
8-9 PM	290	0.0	71	0.0	1500	290	0	71	0.45	0	65.8	60.7	44.3	49.6	49.6
9-10 PM	237	0.0	59	0.0	1500	237	0	59	0.45	0	66.0	60.8	44.5	49.7	49.7
10-11 PM	159	0.0	39	0.0	1500	159	0	39	0.44	0	66.1	61.0	44.8	49.9	49.9
11PM-MID	87	0.0	21	0.0	1500	87	0	21	0.43	0	66.2	61.2	45.1	50.1	50.1

----- 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	0.0067
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0057

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$846
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 96 - USH 45**

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 Construction Season

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SATURDAY EASTBOUND DIRECTION

