

**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**  
MON-THUR 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	49	0.0	12	0.0	1500	49	0	12	0.43	0	66.3	61.3	45.3	50.2	50.2
1-2 AM	32	0.0	8	0.0	1500	32	0	8	0.43	0	66.3	61.4	45.4	50.2	50.2
2-3 AM	39	0.0	9	0.0	1500	39	0	9	0.43	0	66.3	61.4	45.3	50.2	50.2
3-4 AM	54	0.0	14	0.0	1500	54	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2
4-5 AM	100	0.0	25	0.0	1500	100	0	25	0.43	0	66.2	61.2	45.1	50.1	50.1
5-6 AM	186	0.0	46	0.0	1500	186	0	46	0.44	0	66.0	60.9	44.7	49.9	49.9
6-7 AM	318	0.0	78	0.0	1500	318	0	78	0.45	0	65.8	60.6	44.2	49.5	49.5
7-8 AM	433	0.0	107	0.0	1500	433	0	107	0.46	0	65.6	60.3	43.8	49.2	49.2
8-9 AM	445	0.0	110	0.0	1500	445	0	110	0.47	0	65.6	60.2	43.7	49.2	49.2
9-10 AM	401	0.0	99	0.0	1500	401	0	99	0.46	0	65.6	60.4	43.9	49.3	49.3
10-11 AM	393	0.0	97	0.0	1500	393	0	97	0.46	0	65.6	60.4	43.9	49.3	49.3
11A-NOON	393	0.0	97	0.0	1500	393	0	97	0.46	0	65.6	60.4	43.9	49.3	49.3
NOON-1PM	391	0.0	96	0.0	1500	391	0	96	0.46	0	65.6	60.4	43.9	49.3	49.3
1-2 PM	419	0.0	104	0.0	1500	419	0	104	0.46	0	65.6	60.4	43.8	49.2	49.2
2-3 PM	476	0.0	117	0.0	1500	476	0	117	0.47	0	65.5	60.2	43.6	49.1	49.1
3-4 PM	565	0.0	139	0.0	1500	565	0	139	0.48	0	65.3	59.9	43.3	48.9	48.9
4-5 PM	621	0.0	153	0.0	1500	621	0	153	0.48	0	65.2	59.8	43.0	48.7	48.7
5-6 PM	599	0.0	147	0.0	1500	599	0	147	0.48	0	65.3	59.9	43.2	48.8	48.8
6-7 PM	390	0.0	95	0.0	1500	390	0	95	0.46	0	65.6	60.4	43.9	49.4	49.4
7-8 PM	275	0.0	67	0.0	1500	275	0	67	0.45	0	65.9	60.7	44.4	49.6	49.6
8-9 PM	226	0.0	55	0.0	1500	226	0	55	0.44	0	66.0	60.9	44.6	49.7	49.7
9-10 PM	191	0.0	47	0.0	1500	191	0	47	0.44	0	66.0	60.9	44.7	49.8	49.8
10-11 PM	121	0.0	29	0.0	1500	121	0	29	0.43	0	66.1	61.1	45.0	50.0	50.0
11PM-MID	82	0.0	20	0.0	1500	82	0	20	0.43	0	66.3	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	0.0066
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0057

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$657
CONGESTED HOURS PER DAY*	0

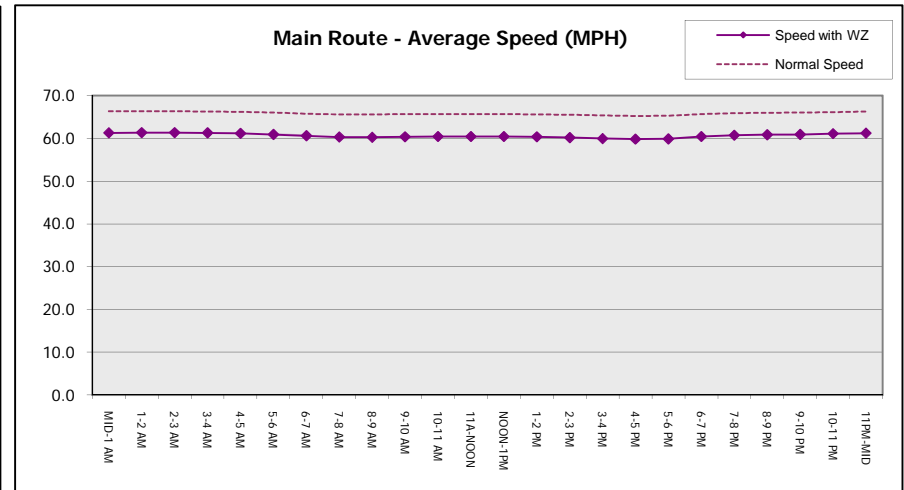
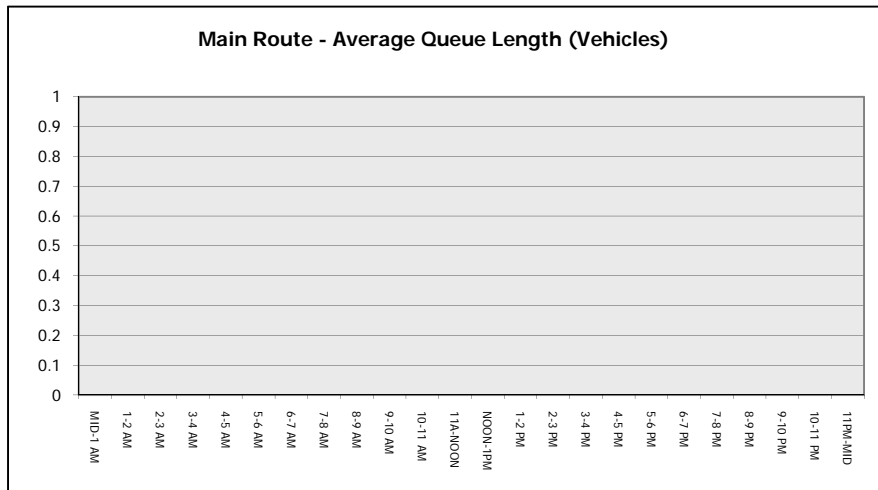
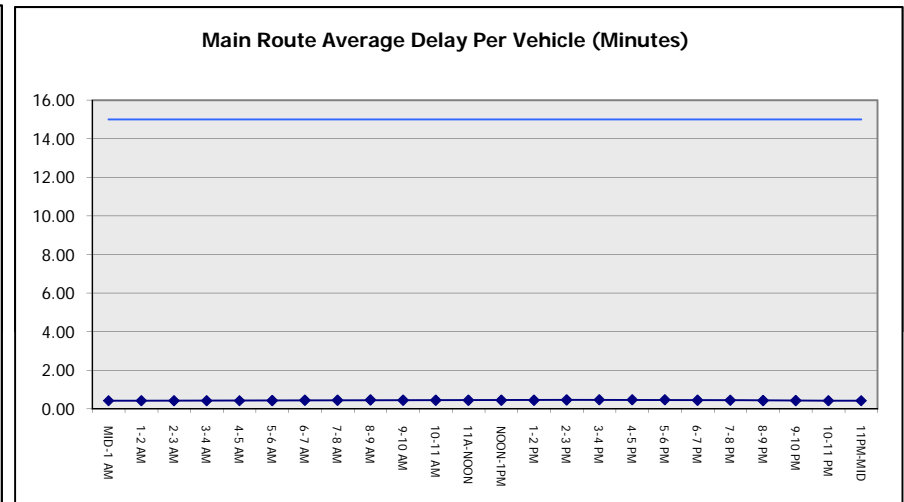
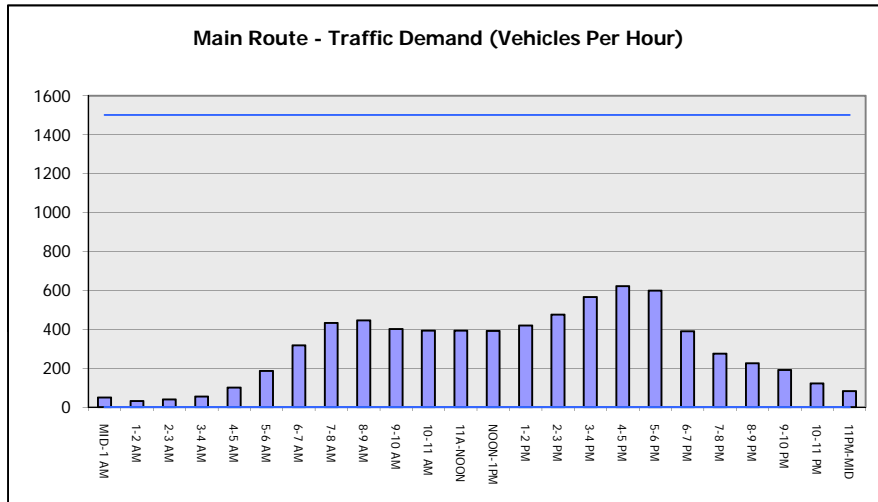
\*Delays Exceeding 15 Minutes

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

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**MON-THUR WESTBOUND DIRECTION**



<b>USH 10: STH 96 TO USH 45 (WINNEBAGO AND WAUPACA COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 96 - USH 45</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
MON-THUR	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	37	0.0	9	0.0	1500	37	0	9	0.43	0	66.3	61.4	45.3	50.2	50.2
1-2 AM	28	0.0	7	0.0	1500	28	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
2-3 AM	28	0.0	7	0.0	1500	28	0	7	0.43	0	66.3	61.4	45.4	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	116	0.0	28	0.0	1500	116	0	28	0.43	0	66.2	61.1	45.0	50.0	50.0
5-6 AM	278	0.0	69	0.0	1500	278	0	69	0.45	0	65.9	60.7	44.4	49.6	49.6
6-7 AM	477	0.0	118	0.0	1500	477	0	118	0.47	0	65.5	60.2	43.6	49.1	49.1
7-8 AM	563	0.0	139	0.0	1500	563	0	139	0.48	0	65.3	60.0	43.3	48.9	48.9
8-9 AM	439	0.0	108	0.0	1500	439	0	108	0.47	0	65.6	60.3	43.7	49.2	49.2
9-10 AM	455	0.0	112	0.0	1500	455	0	112	0.47	0	65.5	60.2	43.7	49.2	49.2
10-11 AM	445	0.0	110	0.0	1500	445	0	110	0.47	0	65.6	60.2	43.7	49.2	49.2
11A-NOON	459	0.0	113	0.0	1500	459	0	113	0.47	0	65.5	60.2	43.7	49.2	49.2
NOON-1PM	478	0.0	117	0.0	1500	478	0	117	0.47	0	65.5	60.2	43.6	49.1	49.1
1-2 PM	515	0.0	127	0.0	1500	515	0	127	0.47	0	65.5	60.1	43.5	49.0	49.0
2-3 PM	538	0.0	132	0.0	1500	538	0	132	0.47	0	65.4	60.1	43.3	49.0	49.0
3-4 PM	593	0.0	145	0.0	1500	593	0	145	0.48	0	65.3	59.9	43.2	48.8	48.8
4-5 PM	605	0.0	150	0.0	1500	605	0	150	0.48	0	65.3	59.9	43.1	48.8	48.8
5-6 PM	508	0.0	126	0.0	1500	508	0	126	0.47	0	65.5	60.1	43.5	49.1	49.1
6-7 PM	380	0.0	94	0.0	1500	380	0	94	0.46	0	65.7	60.4	44.0	49.4	49.4
7-8 PM	267	0.0	66	0.0	1500	267	0	66	0.45	0	65.9	60.7	44.4	49.6	49.6
8-9 PM	221	0.0	54	0.0	1500	221	0	54	0.44	0	66.0	60.9	44.6	49.7	49.7
9-10 PM	173	0.0	43	0.0	1500	173	0	43	0.44	0	66.1	61.0	44.8	49.9	49.9
10-11 PM	111	0.0	27	0.0	1500	111	0	27	0.43	0	66.2	61.1	45.0	50.1	50.1
11PM-MID	72	0.0	18	0.0	1500	72	0	18	0.43	0	66.3	61.2	45.2	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	0.0072
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.0062

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$723
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

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

