

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

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	83	0.0	20	0.0	1500	83	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	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	44	0.0	10	0.0	1500	44	0	10	0.43	0	66.3	61.3	45.3	50.2	50.2
4-5 AM	75	0.0	19	0.0	1500	75	0	19	0.43	0	66.3	61.2	45.2	50.1	50.1
5-6 AM	188	0.0	46	0.0	1500	188	0	46	0.44	0	66.0	60.9	44.7	49.9	49.9
6-7 AM	217	0.0	53	0.0	1500	217	0	53	0.44	0	66.0	60.9	44.6	49.7	49.7
7-8 AM	321	0.0	78	0.0	1500	321	0	78	0.45	0	65.8	60.6	44.2	49.5	49.5
8-9 AM	453	0.0	112	0.0	1500	453	0	112	0.47	0	65.5	60.2	43.7	49.2	49.2
9-10 AM	557	0.0	137	0.0	1500	557	0	137	0.48	0	65.3	60.0	43.3	48.9	48.9
10-11 AM	572	0.0	141	0.0	1500	572	0	141	0.48	0	65.3	59.9	43.2	48.9	48.9
11A-NOON	605	0.0	149	0.0	1500	605	0	149	0.48	0	65.3	59.9	43.1	48.8	48.8
NOON-1PM	582	0.0	143	0.0	1500	582	0	143	0.48	0	65.3	59.9	43.2	48.9	48.9
1-2 PM	575	0.0	141	0.0	1500	575	0	141	0.48	0	65.3	59.9	43.2	48.9	48.9
2-3 PM	543	0.0	134	0.0	1500	543	0	134	0.48	0	65.4	60.0	43.3	48.9	48.9
3-4 PM	535	0.0	132	0.0	1500	535	0	132	0.47	0	65.4	60.1	43.3	49.0	49.0
4-5 PM	532	0.0	131	0.0	1500	532	0	131	0.47	0	65.4	60.1	43.4	49.0	49.0
5-6 PM	452	0.0	111	0.0	1500	452	0	111	0.47	0	65.5	60.2	43.7	49.2	49.2
6-7 PM	383	0.0	94	0.0	1500	383	0	94	0.46	0	65.7	60.4	44.0	49.4	49.4
7-8 PM	314	0.0	77	0.0	1500	314	0	77	0.45	0	65.8	60.6	44.2	49.5	49.5
8-9 PM	247	0.0	61	0.0	1500	247	0	61	0.45	0	66.0	60.8	44.5	49.7	49.7
9-10 PM	213	0.0	52	0.0	1500	213	0	52	0.44	0	66.0	60.9	44.6	49.7	49.7
10-11 PM	146	0.0	36	0.0	1500	146	0	36	0.44	0	66.1	61.0	44.9	49.9	49.9
11PM-MID	126	0.0	31	0.0	1500	126	0	31	0.43	0	66.1	61.1	45.0	50.0	50.0

----- 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	0.0072
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.0062

PIA: Personal Injury Accidents

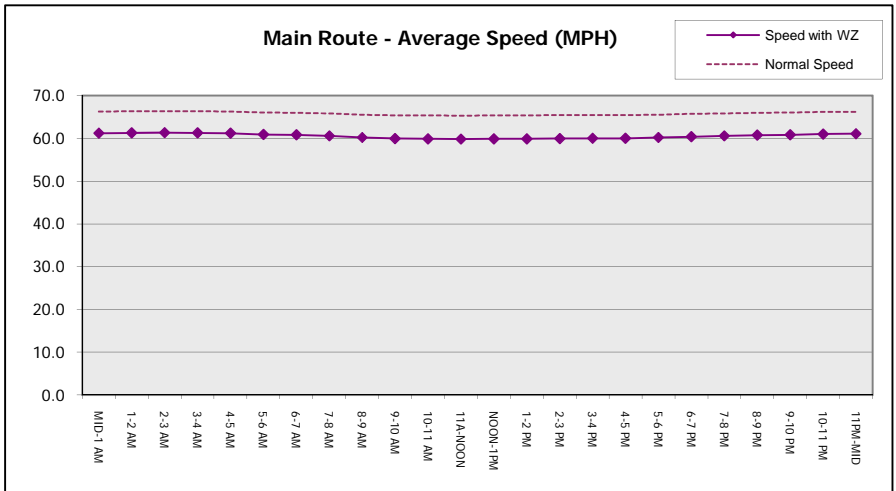
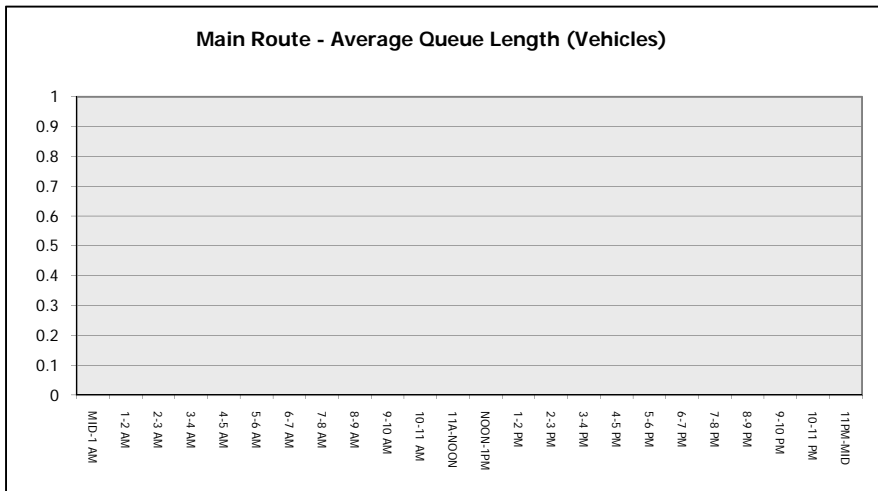
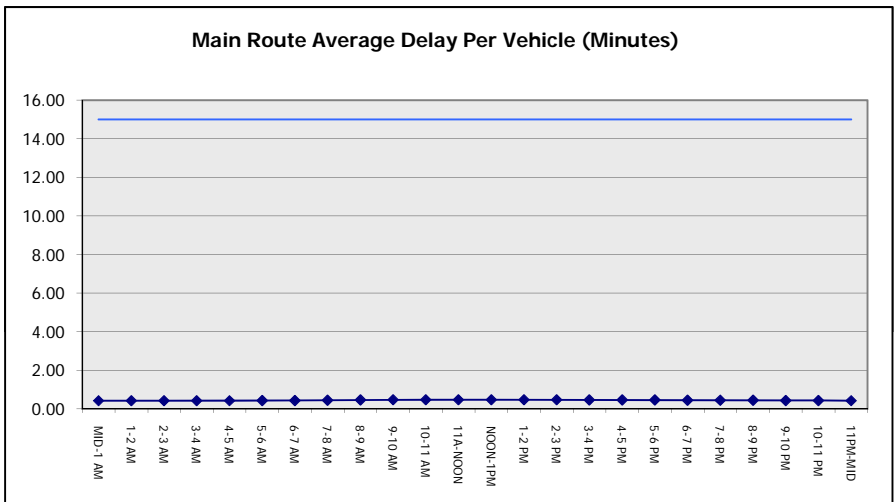
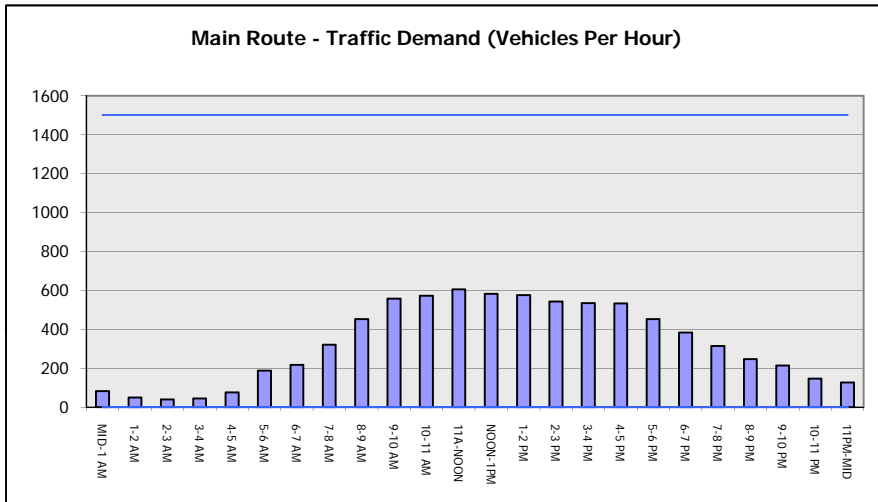
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$923
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

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	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	42	0.0	10	0.0	1500	42	0	10	0.43	0	66.3	61.3	45.3	50.2	50.2
1-2 AM	34	0.0	8	0.0	1500	34	0	8	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	54	0.0	14	0.0	1500	54	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2
5-6 AM	91	0.0	22	0.0	1500	91	0	22	0.43	0	66.2	61.2	45.1	50.1	50.1
6-7 AM	125	0.0	30	0.0	1500	125	0	30	0.43	0	66.1	61.1	45.0	50.0	50.0
7-8 AM	230	0.0	57	0.0	1500	230	0	57	0.44	0	66.0	60.8	44.6	49.7	49.7
8-9 AM	345	0.0	85	0.0	1500	345	0	85	0.46	0	65.8	60.5	44.1	49.4	49.4
9-10 AM	493	0.0	121	0.0	1500	493	0	121	0.47	0	65.5	60.1	43.5	49.1	49.1
10-11 AM	585	0.0	144	0.0	1500	585	0	144	0.48	0	65.3	59.9	43.2	48.9	48.9
11A-NOON	624	0.0	154	0.0	1500	624	0	154	0.48	0	65.2	59.8	43.0	48.7	48.7
NOON-1PM	600	0.0	148	0.0	1500	600	0	148	0.48	0	65.3	59.9	43.2	48.8	48.8
1-2 PM	548	0.0	135	0.0	1500	548	0	135	0.48	0	65.4	60.0	43.3	48.9	48.9
2-3 PM	525	0.0	130	0.0	1500	525	0	130	0.47	0	65.4	60.1	43.4	49.0	49.0
3-4 PM	529	0.0	130	0.0	1500	529	0	130	0.47	0	65.4	60.1	43.4	49.0	49.0
4-5 PM	535	0.0	132	0.0	1500	535	0	132	0.47	0	65.4	60.1	43.3	49.0	49.0
5-6 PM	495	0.0	121	0.0	1500	495	0	121	0.47	0	65.5	60.1	43.5	49.1	49.1
6-7 PM	429	0.0	106	0.0	1500	429	0	106	0.46	0	65.6	60.3	43.8	49.2	49.2
7-8 PM	418	0.0	103	0.0	1500	418	0	103	0.46	0	65.6	60.4	43.8	49.2	49.2
8-9 PM	284	0.0	70	0.0	1500	284	0	70	0.45	0	65.8	60.7	44.3	49.6	49.6
9-10 PM	232	0.0	58	0.0	1500	232	0	58	0.45	0	66.0	60.8	44.5	49.7	49.7
10-11 PM	138	0.0	33	0.0	1500	138	0	33	0.44	0	66.1	61.0	45.0	50.0	50.0
11PM-MID	91	0.0	22	0.0	1500	91	0	22	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	0.0069
MAIN ROUTE WITH WORKS	0.0064
DIVERSION	0.0059

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$881
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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 Construction Season

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SATURDAY EASTBOUND DIRECTION

