

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

AUGUST

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	103	0.0	25	0.0	1500	103	0	25	0.43	0	66.2	61.2	45.1	50.1	50.1
1-2 AM	57	0.0	14	0.0	1500	57	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2
2-3 AM	38	0.0	9	0.0	1500	38	0	9	0.43	0	66.3	61.4	45.3	50.2	50.2
3-4 AM	40	0.0	9	0.0	1500	40	0	9	0.43	0	66.3	61.4	45.3	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	127	0.0	31	0.0	1500	127	0	31	0.43	0	66.1	61.1	45.0	50.0	50.0
6-7 AM	200	0.0	49	0.0	1500	200	0	49	0.44	0	66.0	60.9	44.7	49.8	49.8
7-8 AM	318	0.0	78	0.0	1500	318	0	78	0.45	0	65.8	60.6	44.2	49.5	49.5
8-9 AM	512	0.0	127	0.0	1500	512	0	127	0.47	0	65.5	60.1	43.5	49.0	49.0
9-10 AM	684	0.0	168	0.0	1500	684	0	168	0.49	0	65.1	59.7	42.8	48.6	48.6
10-11 AM	826	0.0	203	0.0	1500	826	0	203	0.50	0	64.8	59.3	42.3	48.3	48.3
11A-NOON	851	0.0	209	0.0	1500	851	0	209	0.50	0	64.8	59.2	42.2	48.2	48.2
NOON-1PM	758	0.0	186	0.0	1500	758	0	186	0.50	0	65.0	59.5	42.5	48.4	48.4
1-2 PM	700	0.0	173	0.0	1500	700	0	173	0.49	0	65.1	59.6	42.8	48.6	48.6
2-3 PM	598	0.0	148	0.0	1500	598	0	148	0.48	0	65.3	59.9	43.2	48.8	48.8
3-4 PM	557	0.0	137	0.0	1500	557	0	137	0.48	0	65.3	60.0	43.3	48.9	48.9
4-5 PM	492	0.0	121	0.0	1500	492	0	121	0.47	0	65.5	60.1	43.5	49.1	49.1
5-6 PM	463	0.0	114	0.0	1500	463	0	114	0.47	0	65.5	60.2	43.7	49.1	49.1
6-7 PM	417	0.0	103	0.0	1500	417	0	103	0.46	0	65.6	60.4	43.8	49.2	49.2
7-8 PM	355	0.0	88	0.0	1500	355	0	88	0.46	0	65.7	60.5	44.1	49.4	49.4
8-9 PM	312	0.0	77	0.0	1500	312	0	77	0.45	0	65.8	60.6	44.2	49.5	49.5
9-10 PM	246	0.0	61	0.0	1500	246	0	61	0.45	0	66.0	60.8	44.5	49.7	49.7
10-11 PM	170	0.0	42	0.0	1500	170	0	42	0.44	0	66.1	61.0	44.8	49.9	49.9
11PM-MID	127	0.0	31	0.0	1500	127	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	0.0083
MAIN ROUTE WITH WORKS	0.0077
DIVERSION	0.0071

PIA: Personal Injury Accidents

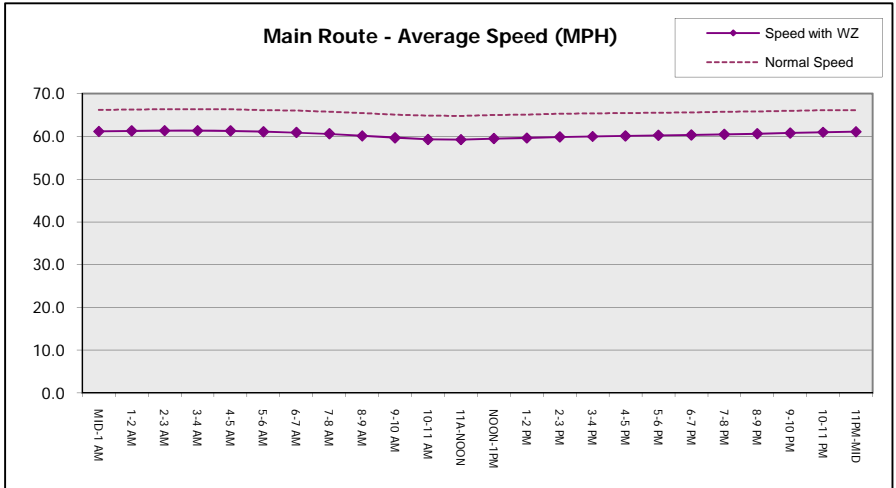
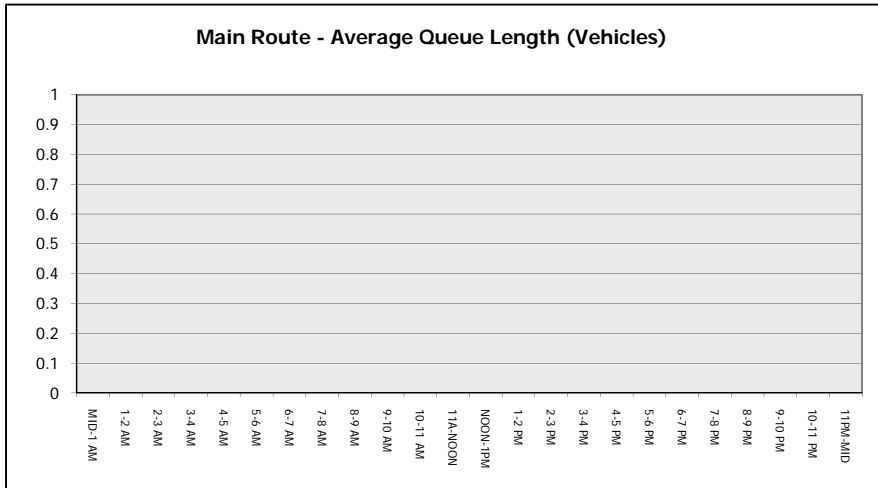
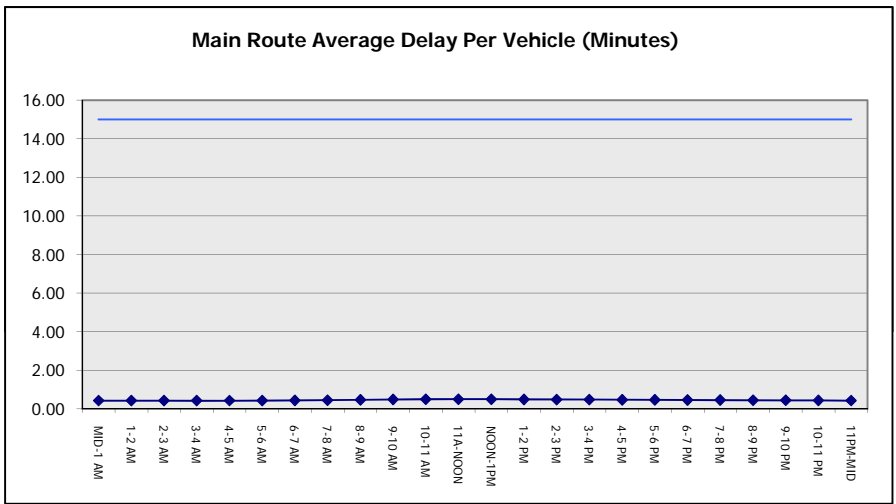
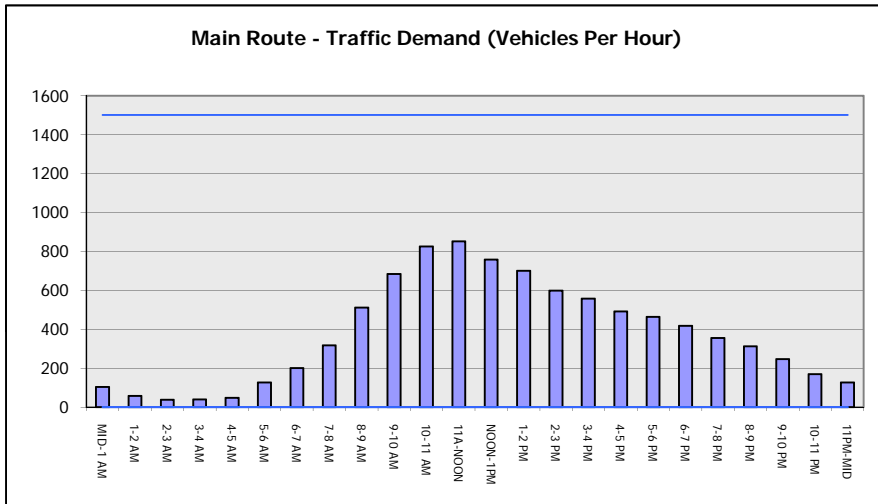
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,084
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 Analyzed for 2009
 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	AUGUST
	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	68	0.0	17	0.0	1500	68	0	17	0.43	0	66.3	61.2	45.2	50.1	50.1
1-2 AM	44	0.0	10	0.0	1500	44	0	10	0.43	0	66.3	61.3	45.3	50.2	50.2
2-3 AM	30	0.0	7	0.0	1500	30	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
3-4 AM	37	0.0	9	0.0	1500	37	0	9	0.43	0	66.3	61.4	45.3	50.2	50.2
4-5 AM	50	0.0	13	0.0	1500	50	0	13	0.43	0	66.3	61.3	45.3	50.2	50.2
5-6 AM	95	0.0	24	0.0	1500	95	0	24	0.43	0	66.2	61.2	45.1	50.1	50.1
6-7 AM	140	0.0	35	0.0	1500	140	0	35	0.44	0	66.1	61.0	44.9	49.9	49.9
7-8 AM	227	0.0	56	0.0	1500	227	0	56	0.44	0	66.0	60.9	44.6	49.7	49.7
8-9 AM	370	0.0	91	0.0	1500	370	0	91	0.46	0	65.7	60.5	44.0	49.4	49.4
9-10 AM	520	0.0	129	0.0	1500	520	0	129	0.47	0	65.4	60.1	43.4	49.0	49.0
10-11 AM	630	0.0	155	0.0	1500	630	0	155	0.48	0	65.2	59.8	43.0	48.7	48.7
11A-NOON	682	0.0	168	0.0	1500	682	0	168	0.49	0	65.1	59.7	42.8	48.6	48.6
NOON-1PM	648	0.0	160	0.0	1500	648	0	160	0.49	0	65.2	59.7	43.0	48.7	48.7
1-2 PM	622	0.0	153	0.0	1500	622	0	153	0.48	0	65.2	59.8	43.0	48.7	48.7
2-3 PM	574	0.0	141	0.0	1500	574	0	141	0.48	0	65.3	59.9	43.2	48.9	48.9
3-4 PM	560	0.0	138	0.0	1500	560	0	138	0.48	0	65.3	60.0	43.3	48.9	48.9
4-5 PM	558	0.0	137	0.0	1500	558	0	137	0.48	0	65.3	60.0	43.3	48.9	48.9
5-6 PM	514	0.0	127	0.0	1500	514	0	127	0.47	0	65.5	60.1	43.5	49.0	49.0
6-7 PM	434	0.0	107	0.0	1500	434	0	107	0.46	0	65.6	60.3	43.8	49.2	49.2
7-8 PM	395	0.0	97	0.0	1500	395	0	97	0.46	0	65.6	60.4	43.9	49.3	49.3
8-9 PM	395	0.0	97	0.0	1500	395	0	97	0.46	0	65.6	60.4	43.9	49.3	49.3
9-10 PM	298	0.0	73	0.0	1500	298	0	73	0.45	0	65.8	60.7	44.3	49.6	49.6
10-11 PM	198	0.0	49	0.0	1500	198	0	49	0.44	0	66.0	60.9	44.7	49.8	49.8
11PM-MID	124	0.0	30	0.0	1500	124	0	30	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	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	0.0076
MAIN ROUTE WITH WORKS	0.0070
DIVERSION	0.0065

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$977
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

