

**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
FRIDAY 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	77	0.0	19	0.0	1500	77	0	19	0.43	0	66.3	61.2	45.2	50.1	50.1
1-2 AM	48	0.0	12	0.0	1500	48	0	12	0.43	0	66.3	61.3	45.3	50.2	50.2
2-3 AM	49	0.0	12	0.0	1500	49	0	12	0.43	0	66.3	61.3	45.3	50.2	50.2
3-4 AM	59	0.0	15	0.0	1500	59	0	15	0.43	0	66.3	61.3	45.3	50.2	50.2
4-5 AM	78	0.0	19	0.0	1500	78	0	19	0.43	0	66.3	61.2	45.2	50.1	50.1
5-6 AM	171	0.0	42	0.0	1500	171	0	42	0.44	0	66.1	61.0	44.8	49.9	49.9
6-7 AM	291	0.0	72	0.0	1500	291	0	72	0.45	0	65.8	60.7	44.3	49.6	49.6
7-8 AM	400	0.0	98	0.0	1500	400	0	98	0.46	0	65.6	60.4	43.9	49.3	49.3
8-9 AM	510	0.0	126	0.0	1500	510	0	126	0.47	0	65.5	60.1	43.5	49.1	49.1
9-10 AM	565	0.0	139	0.0	1500	565	0	139	0.48	0	65.3	59.9	43.3	48.9	48.9
10-11 AM	639	0.0	157	0.0	1500	639	0	157	0.48	0	65.2	59.7	43.0	48.7	48.7
11A-NOON	695	0.0	172	0.0	1500	695	0	172	0.49	0	65.1	59.6	42.8	48.6	48.6
NOON-1PM	712	0.0	176	0.0	1500	712	0	176	0.49	0	65.1	59.6	42.7	48.5	48.5
1-2 PM	840	0.0	207	0.0	1500	840	0	207	0.50	0	64.8	59.2	42.2	48.2	48.2
2-3 PM	925	0.0	228	0.0	1500	925	0	228	0.51	0	64.6	59.1	41.9	48.0	48.0
3-4 PM	1029	0.0	253	0.0	1500	1029	0	253	0.52	0	64.5	58.8	41.6	47.8	47.8
4-5 PM	1157	0.0	286	0.0	1500	1157	0	286	0.58	0	64.2	58.0	39.9	47.4	47.4
5-6 PM	1113	0.0	274	0.0	1500	1113	0	274	0.53	0	64.3	58.6	41.3	47.5	47.5
6-7 PM	879	0.0	217	0.0	1500	879	0	217	0.51	0	64.8	59.2	42.1	48.1	48.1
7-8 PM	709	0.0	175	0.0	1500	709	0	175	0.49	0	65.1	59.6	42.7	48.6	48.6
8-9 PM	522	0.0	129	0.0	1500	522	0	129	0.47	0	65.4	60.1	43.4	49.0	49.0
9-10 PM	355	0.0	88	0.0	1500	355	0	88	0.46	0	65.7	60.5	44.1	49.4	49.4
10-11 PM	239	0.0	59	0.0	1500	239	0	59	0.45	0	66.0	60.8	44.5	49.7	49.7
11PM-MID	151	0.0	38	0.0	1500	151	0	38	0.44	0	66.1	61.0	44.9	49.9	49.9

----- 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	0.0113
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0096

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

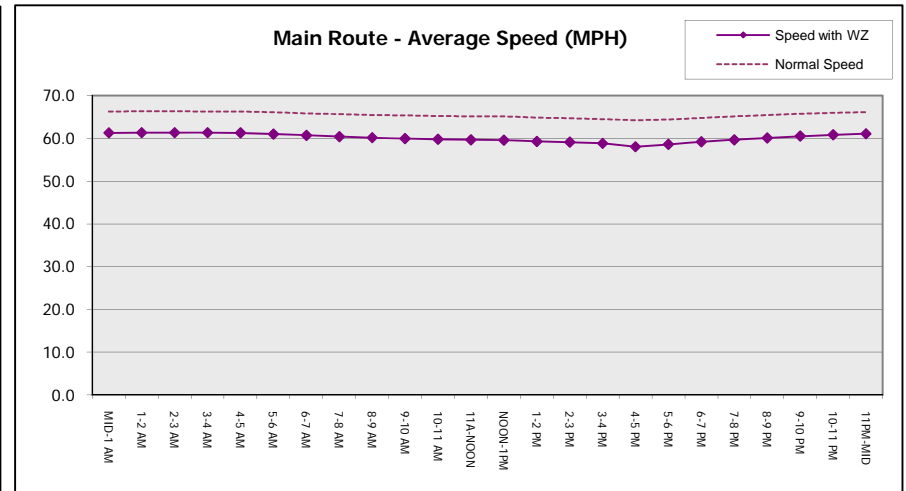
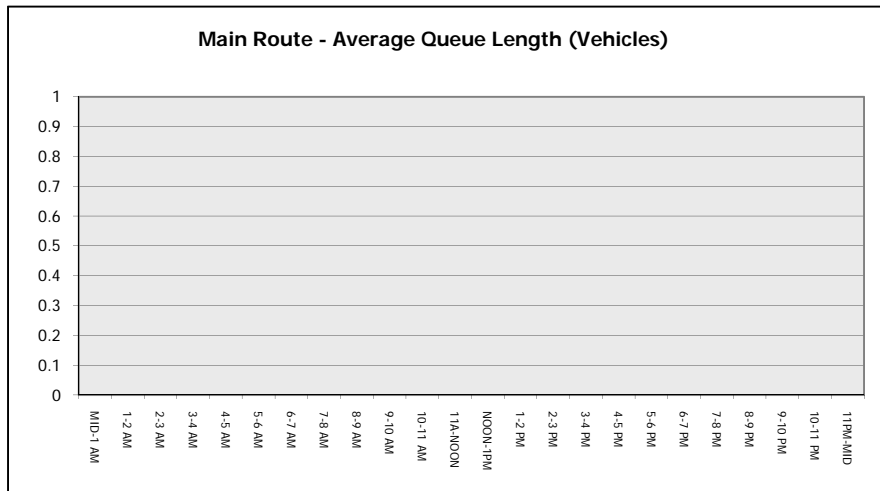
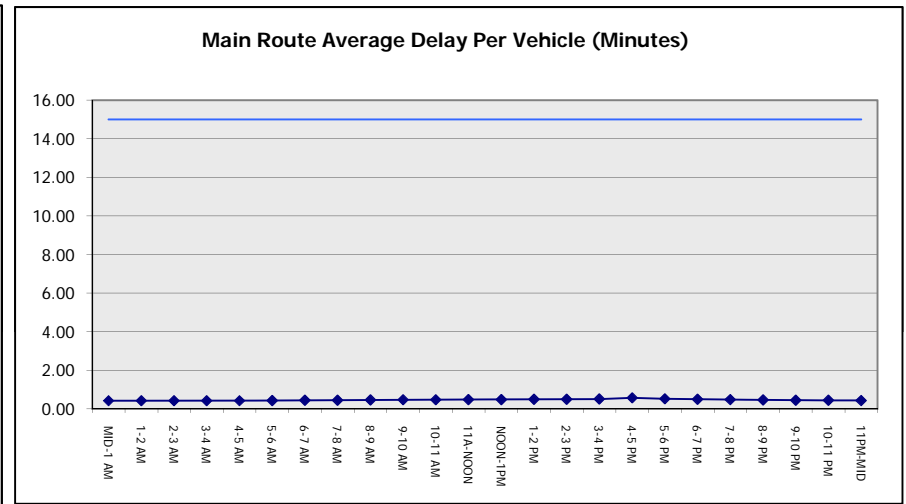
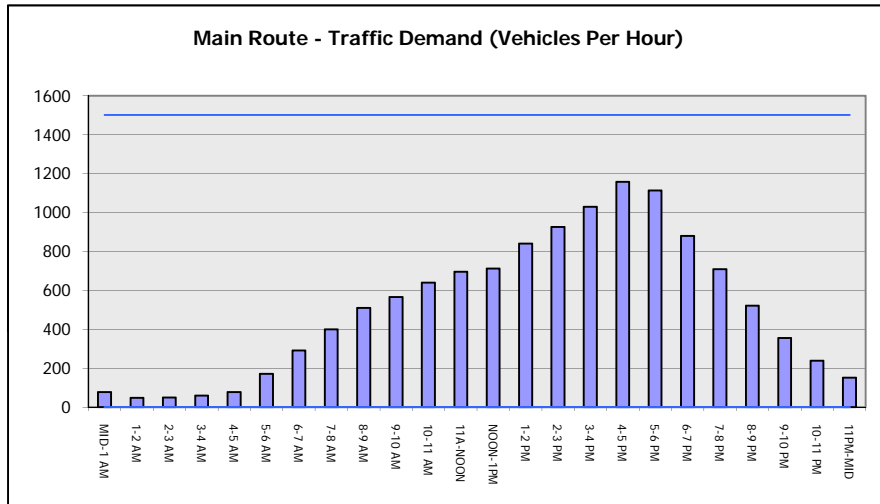
ROAD USER COSTS PER DAY (DOLLARS)	\$1,259
CONGESTED HOURS PER DAY*	0

*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
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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
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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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	45	0.0	12	0.0	1500	45	0	12	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	33	0.0	8	0.0	1500	33	0	8	0.43	0	66.3	61.4	45.3	50.2	50.2
3-4 AM	42	0.0	10	0.0	1500	42	0	10	0.43	0	66.3	61.3	45.3	50.2	50.2
4-5 AM	120	0.0	29	0.0	1500	120	0	29	0.43	0	66.1	61.1	45.0	50.0	50.0
5-6 AM	242	0.0	60	0.0	1500	242	0	60	0.45	0	66.0	60.8	44.5	49.7	49.7
6-7 AM	408	0.0	100	0.0	1500	408	0	100	0.46	0	65.6	60.4	43.8	49.3	49.3
7-8 AM	516	0.0	128	0.0	1500	516	0	128	0.47	0	65.5	60.1	43.5	49.0	49.0
8-9 AM	423	0.0	105	0.0	1500	423	0	105	0.46	0	65.6	60.3	43.8	49.2	49.2
9-10 AM	507	0.0	126	0.0	1500	507	0	126	0.47	0	65.5	60.1	43.5	49.1	49.1
10-11 AM	566	0.0	139	0.0	1500	566	0	139	0.48	0	65.3	59.9	43.3	48.9	48.9
11A-NOON	561	0.0	138	0.0	1500	561	0	138	0.48	0	65.3	60.0	43.3	48.9	48.9
NOON-1PM	599	0.0	148	0.0	1500	599	0	148	0.48	0	65.3	59.9	43.2	48.8	48.8
1-2 PM	673	0.0	165	0.0	1500	673	0	165	0.49	0	65.1	59.7	42.8	48.6	48.6
2-3 PM	656	0.0	162	0.0	1500	656	0	162	0.49	0	65.1	59.7	42.9	48.7	48.7
3-4 PM	683	0.0	168	0.0	1500	683	0	168	0.49	0	65.1	59.7	42.8	48.6	48.6
4-5 PM	691	0.0	171	0.0	1500	691	0	171	0.49	0	65.1	59.6	42.8	48.6	48.6
5-6 PM	618	0.0	152	0.0	1500	618	0	152	0.48	0	65.2	59.8	43.0	48.7	48.7
6-7 PM	492	0.0	121	0.0	1500	492	0	121	0.47	0	65.5	60.1	43.5	49.1	49.1
7-8 PM	387	0.0	95	0.0	1500	387	0	95	0.46	0	65.6	60.4	44.0	49.4	49.4
8-9 PM	307	0.0	75	0.0	1500	307	0	75	0.45	0	65.8	60.6	44.3	49.6	49.6
9-10 PM	241	0.0	60	0.0	1500	241	0	60	0.45	0	66.0	60.8	44.5	49.7	49.7
10-11 PM	182	0.0	45	0.0	1500	182	0	45	0.44	0	66.1	60.9	44.8	49.9	49.9
11PM-MID	113	0.0	28	0.0	1500	113	0	28	0.43	0	66.2	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	0.0084
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0072

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$893
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
FRIDAY EASTBOUND DIRECTION

