

**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
SUNDAY 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	63	0.0	16	0.0	1500	63	0	16	0.43	0	66.3	61.3	45.3	50.1	50.1
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	32	0.0	8	0.0	1500	32	0	8	0.43	0	66.3	61.4	45.4	50.2	50.2
3-4 AM	19	0.0	5	0.0	1500	19	0	5	0.42	0	66.3	61.4	45.4	50.2	50.2
4-5 AM	23	0.0	5	0.0	1500	23	0	5	0.42	0	66.3	61.4	45.4	50.2	50.2
5-6 AM	46	0.0	12	0.0	1500	46	0	12	0.43	0	66.3	61.3	45.3	50.2	50.2
6-7 AM	75	0.0	19	0.0	1500	75	0	19	0.43	0	66.3	61.2	45.2	50.1	50.1
7-8 AM	137	0.0	33	0.0	1500	137	0	33	0.44	0	66.1	61.0	45.0	50.0	50.0
8-9 AM	258	0.0	64	0.0	1500	258	0	64	0.45	0	65.9	60.7	44.5	49.7	49.7
9-10 AM	399	0.0	98	0.0	1500	399	0	98	0.46	0	65.6	60.4	43.9	49.3	49.3
10-11 AM	553	0.0	136	0.0	1500	553	0	136	0.48	0	65.3	60.0	43.3	48.9	48.9
11A-NOON	679	0.0	167	0.0	1500	679	0	167	0.49	0	65.1	59.7	42.8	48.6	48.6
NOON-1PM	681	0.0	167	0.0	1500	681	0	167	0.49	0	65.1	59.7	42.8	48.6	48.6
1-2 PM	646	0.0	159	0.0	1500	646	0	159	0.49	0	65.2	59.7	43.0	48.7	48.7
2-3 PM	621	0.0	153	0.0	1500	621	0	153	0.48	0	65.2	59.8	43.0	48.7	48.7
3-4 PM	586	0.0	144	0.0	1500	586	0	144	0.48	0	65.3	59.9	43.2	48.9	48.9
4-5 PM	564	0.0	139	0.0	1500	564	0	139	0.48	0	65.3	59.9	43.3	48.9	48.9
5-6 PM	513	0.0	127	0.0	1500	513	0	127	0.47	0	65.5	60.1	43.5	49.0	49.0
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	380	0.0	94	0.0	1500	380	0	94	0.46	0	65.7	60.4	44.0	49.4	49.4
8-9 PM	301	0.0	74	0.0	1500	301	0	74	0.45	0	65.8	60.6	44.3	49.6	49.6
9-10 PM	226	0.0	55	0.0	1500	226	0	55	0.44	0	66.0	60.9	44.6	49.7	49.7
10-11 PM	149	0.0	37	0.0	1500	149	0	37	0.44	0	66.1	61.0	44.9	49.9	49.9
11PM-MID	119	0.0	29	0.0	1500	119	0	29	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	0.0069
MAIN ROUTE WITH WORKS	0.0064
DIVERSION	0.0059

PIA: Personal Injury Accidents

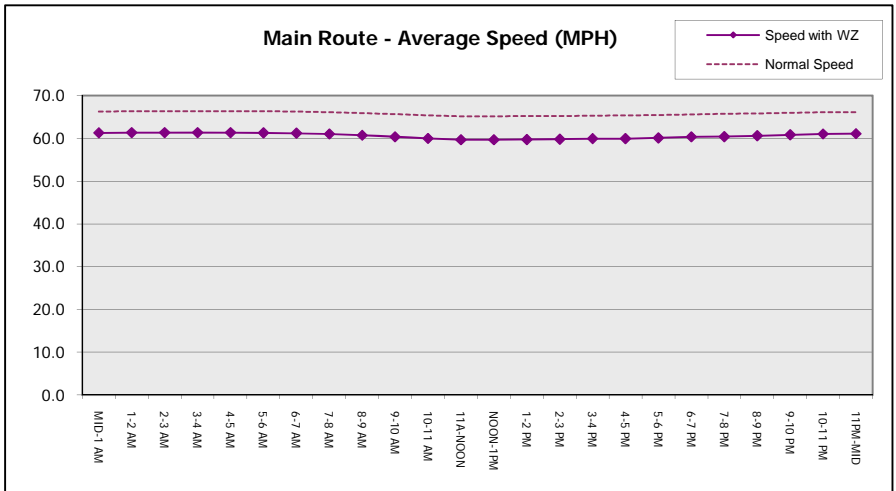
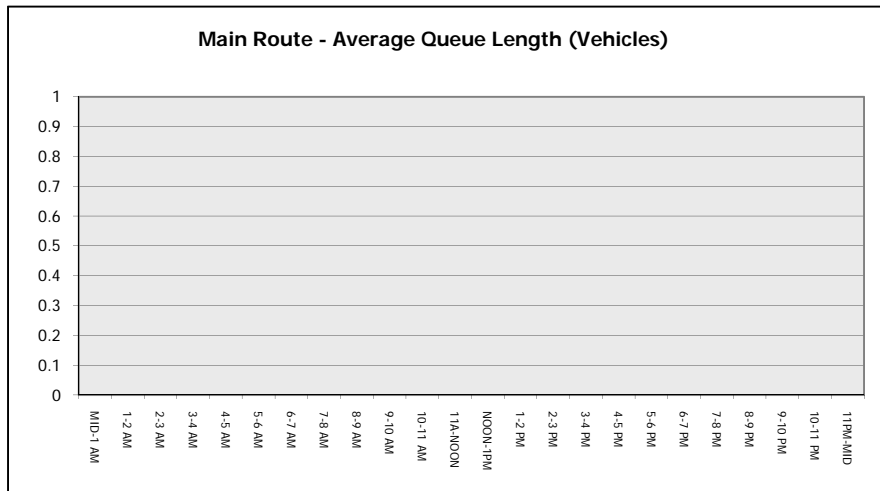
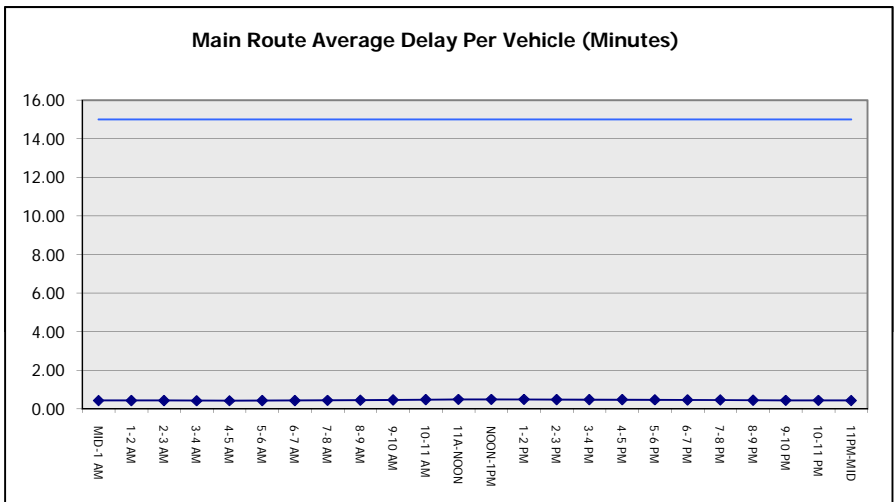
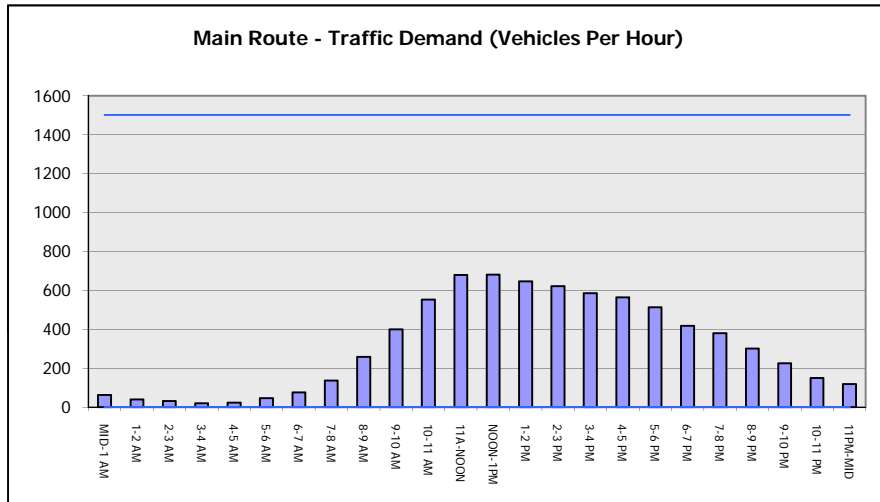
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$914
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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	
SUNDAY	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		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	75	0.0	19	0.0	1500	75	0	19	0.43	0	66.3	61.2	45.2	50.1	50.1
1-2 AM	45	0.0	10	0.0	1500	45	0	10	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	32	0.0	8	0.0	1500	32	0	8	0.43	0	66.3	61.4	45.4	50.2	50.2
4-5 AM	27	0.0	7	0.0	1500	27	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
5-6 AM	53	0.0	13	0.0	1500	53	0	13	0.43	0	66.3	61.3	45.3	50.2	50.2
6-7 AM	68	0.0	17	0.0	1500	68	0	17	0.43	0	66.3	61.2	45.2	50.1	50.1
7-8 AM	131	0.0	32	0.0	1500	131	0	32	0.44	0	66.1	61.1	45.0	50.0	50.0
8-9 AM	260	0.0	64	0.0	1500	260	0	64	0.45	0	65.9	60.7	44.5	49.7	49.7
9-10 AM	435	0.0	108	0.0	1500	435	0	108	0.46	0	65.6	60.3	43.8	49.2	49.2
10-11 AM	631	0.0	156	0.0	1500	631	0	156	0.48	0	65.2	59.8	43.0	48.7	48.7
11A-NOON	812	0.0	200	0.0	1500	812	0	200	0.50	0	64.9	59.3	42.4	48.3	48.3
NOON-1PM	843	0.0	208	0.0	1500	843	0	208	0.50	0	64.8	59.2	42.2	48.2	48.2
1-2 PM	885	0.0	218	0.0	1500	885	0	218	0.51	0	64.7	59.1	42.1	48.1	48.1
2-3 PM	953	0.0	234	0.0	1500	953	0	234	0.51	0	64.6	59.0	41.9	47.9	47.9
3-4 PM	993	0.0	245	0.0	1500	993	0	245	0.52	0	64.5	58.9	41.7	47.8	47.8
4-5 PM	1008	0.0	248	0.0	1500	1008	0	248	0.52	0	64.5	58.8	41.7	47.8	47.8
5-6 PM	954	0.0	235	0.0	1500	954	0	235	0.51	0	64.6	59.0	41.9	47.9	47.9
6-7 PM	845	0.0	208	0.0	1500	845	0	208	0.50	0	64.8	59.2	42.2	48.2	48.2
7-8 PM	718	0.0	177	0.0	1500	718	0	177	0.49	0	65.0	59.6	42.7	48.5	48.5
8-9 PM	539	0.0	133	0.0	1500	539	0	133	0.47	0	65.4	60.1	43.3	48.9	48.9
9-10 PM	365	0.0	90	0.0	1500	365	0	90	0.46	0	65.7	60.5	44.0	49.4	49.4
10-11 PM	203	0.0	50	0.0	1500	203	0	50	0.44	0	66.0	60.9	44.6	49.8	49.8
11PM-MID	110	0.0	27	0.0	1500	110	0	27	0.43	0	66.2	61.2	45.0	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	0.0102
MAIN ROUTE WITH WORKS	0.0094
DIVERSION	0.0087

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,404
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

