

**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
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	67	0.0	17	0.0	1500	67	0	17	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	56	0.0	14	0.0	1500	56	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2
3-4 AM	62	0.0	16	0.0	1500	62	0	16	0.43	0	66.3	61.3	45.3	50.1	50.1
4-5 AM	83	0.0	21	0.0	1500	83	0	21	0.43	0	66.3	61.2	45.1	50.1	50.1
5-6 AM	203	0.0	50	0.0	1500	203	0	50	0.44	0	66.0	60.9	44.6	49.8	49.8
6-7 AM	348	0.0	86	0.0	1500	348	0	86	0.46	0	65.8	60.5	44.1	49.4	49.4
7-8 AM	440	0.0	109	0.0	1500	440	0	109	0.47	0	65.6	60.3	43.7	49.2	49.2
8-9 AM	479	0.0	118	0.0	1500	479	0	118	0.47	0	65.5	60.2	43.6	49.1	49.1
9-10 AM	517	0.0	128	0.0	1500	517	0	128	0.47	0	65.4	60.1	43.5	49.0	49.0
10-11 AM	545	0.0	134	0.0	1500	545	0	134	0.48	0	65.4	60.0	43.3	48.9	48.9
11A-NOON	614	0.0	152	0.0	1500	614	0	152	0.48	0	65.3	59.8	43.1	48.7	48.7
NOON-1PM	666	0.0	164	0.0	1500	666	0	164	0.49	0	65.1	59.7	42.9	48.6	48.6
1-2 PM	741	0.0	182	0.0	1500	741	0	182	0.49	0	65.0	59.5	42.6	48.4	48.4
2-3 PM	865	0.0	213	0.0	1500	865	0	213	0.51	0	64.8	59.2	42.2	48.1	48.1
3-4 PM	1031	0.0	254	0.0	1500	1031	0	254	0.52	0	64.5	58.7	41.5	47.8	47.8
4-5 PM	1142	0.0	282	0.0	1500	1142	0	282	0.56	0	64.3	58.2	40.4	47.4	47.4
5-6 PM	1038	0.0	256	0.0	1500	1038	0	256	0.52	0	64.5	58.7	41.5	47.7	47.7
6-7 PM	801	0.0	198	0.0	1500	801	0	198	0.50	0	64.9	59.4	42.4	48.3	48.3
7-8 PM	595	0.0	147	0.0	1500	595	0	147	0.48	0	65.3	59.9	43.2	48.8	48.8
8-9 PM	418	0.0	103	0.0	1500	418	0	103	0.46	0	65.6	60.4	43.8	49.2	49.2
9-10 PM	312	0.0	77	0.0	1500	312	0	77	0.45	0	65.8	60.6	44.2	49.5	49.5
10-11 PM	202	0.0	50	0.0	1500	202	0	50	0.44	0	66.0	60.9	44.6	49.8	49.8
11PM-MID	139	0.0	35	0.0	1500	139	0	35	0.44	0	66.1	61.0	45.0	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	0.0105
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0090

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

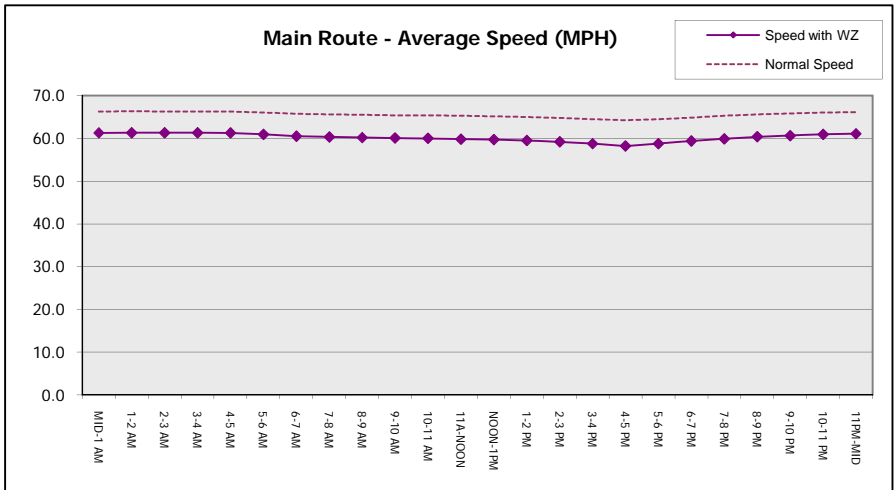
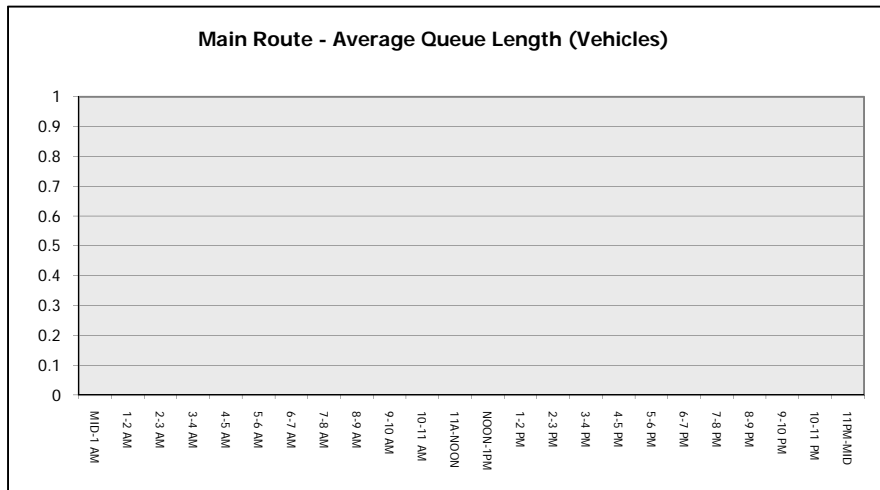
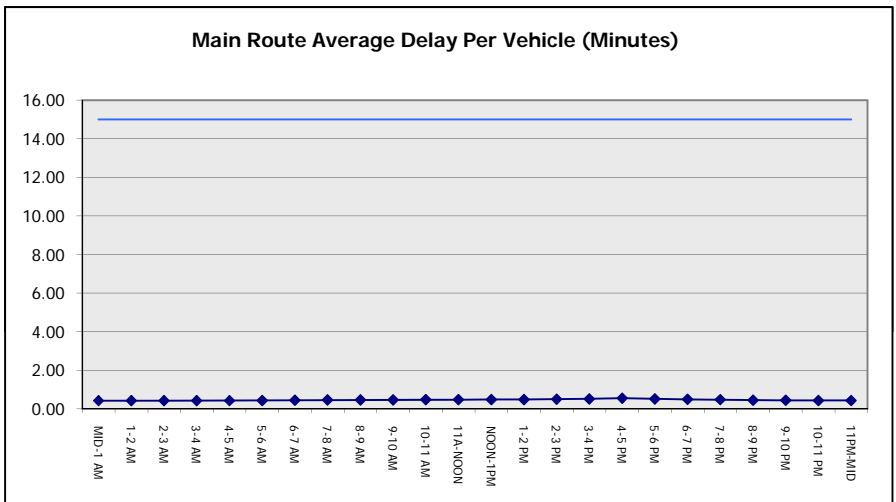
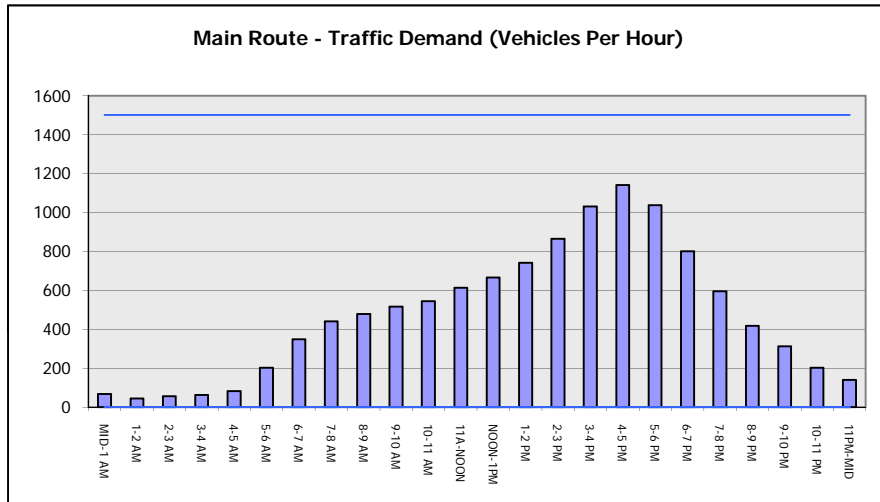
ROAD USER COSTS PER DAY (DOLLARS)	\$1,155
CONGESTED HOURS PER DAY*	0

*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
 Analyzed for 2009
 Construction Season

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	OCTOBER
	Analyzed for 2009 Construction Season

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	33	0.0	8	0.0	1500	33	0	8	0.43	0	66.3	61.4	45.3	50.2	50.2
1-2 AM	36	0.0	8	0.0	1500	36	0	8	0.43	0	66.3	61.4	45.3	50.2	50.2
2-3 AM	27	0.0	6	0.0	1500	27	0	6	0.43	0	66.3	61.4	45.4	50.2	50.2
3-4 AM	39	0.0	9	0.0	1500	39	0	9	0.43	0	66.3	61.4	45.3	50.2	50.2
4-5 AM	119	0.0	29	0.0	1500	119	0	29	0.43	0	66.1	61.1	45.0	50.0	50.0
5-6 AM	253	0.0	62	0.0	1500	253	0	62	0.45	0	65.9	60.7	44.5	49.7	49.7
6-7 AM	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 AM	529	0.0	130	0.0	1500	529	0	130	0.47	0	65.4	60.1	43.4	49.0	49.0
8-9 AM	417	0.0	103	0.0	1500	417	0	103	0.46	0	65.6	60.4	43.8	49.2	49.2
9-10 AM	461	0.0	113	0.0	1500	461	0	113	0.47	0	65.5	60.2	43.7	49.2	49.2
10-11 AM	493	0.0	121	0.0	1500	493	0	121	0.47	0	65.5	60.1	43.5	49.1	49.1
11A-NOON	503	0.0	125	0.0	1500	503	0	125	0.47	0	65.5	60.1	43.5	49.1	49.1
NOON-1PM	553	0.0	136	0.0	1500	553	0	136	0.48	0	65.3	60.0	43.3	48.9	48.9
1-2 PM	592	0.0	145	0.0	1500	592	0	145	0.48	0	65.3	59.9	43.2	48.8	48.8
2-3 PM	646	0.0	159	0.0	1500	646	0	159	0.49	0	65.2	59.7	43.0	48.7	48.7
3-4 PM	705	0.0	174	0.0	1500	705	0	174	0.49	0	65.1	59.6	42.7	48.6	48.6
4-5 PM	709	0.0	175	0.0	1500	709	0	175	0.49	0	65.1	59.6	42.7	48.6	48.6
5-6 PM	667	0.0	164	0.0	1500	667	0	164	0.49	0	65.1	59.7	42.8	48.6	48.6
6-7 PM	478	0.0	118	0.0	1500	478	0	118	0.47	0	65.5	60.2	43.6	49.1	49.1
7-8 PM	377	0.0	93	0.0	1500	377	0	93	0.46	0	65.7	60.4	44.0	49.4	49.4
8-9 PM	240	0.0	60	0.0	1500	240	0	60	0.45	0	66.0	60.8	44.5	49.7	49.7
9-10 PM	207	0.0	51	0.0	1500	207	0	51	0.44	0	66.0	60.9	44.6	49.8	49.8
10-11 PM	132	0.0	32	0.0	1500	132	0	32	0.44	0	66.1	61.1	45.0	50.0	50.0
11PM-MID	86	0.0	21	0.0	1500	86	0	21	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	0.0081
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0069

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$847
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
FRIDAY EASTBOUND DIRECTION

