

**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
MON-THUR 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	43	0.0	10	0.0	1500	43	0	10	0.43	0	66.3	61.3	45.3	50.2	50.2
1-2 AM	30	0.0	7	0.0	1500	30	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
2-3 AM	42	0.0	10	0.0	1500	42	0	10	0.43	0	66.3	61.3	45.3	50.2	50.2
3-4 AM	54	0.0	14	0.0	1500	54	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2
4-5 AM	85	0.0	21	0.0	1500	85	0	21	0.43	0	66.2	61.2	45.1	50.1	50.1
5-6 AM	218	0.0	53	0.0	1500	218	0	53	0.44	0	66.0	60.9	44.6	49.7	49.7
6-7 AM	359	0.0	89	0.0	1500	359	0	89	0.46	0	65.7	60.5	44.0	49.4	49.4
7-8 AM	476	0.0	117	0.0	1500	476	0	117	0.47	0	65.5	60.2	43.6	49.1	49.1
8-9 AM	445	0.0	110	0.0	1500	445	0	110	0.47	0	65.6	60.2	43.7	49.2	49.2
9-10 AM	426	0.0	105	0.0	1500	426	0	105	0.46	0	65.6	60.3	43.8	49.2	49.2
10-11 AM	402	0.0	99	0.0	1500	402	0	99	0.46	0	65.6	60.4	43.9	49.3	49.3
11A-NOON	407	0.0	100	0.0	1500	407	0	100	0.46	0	65.6	60.4	43.8	49.3	49.3
NOON-1PM	408	0.0	100	0.0	1500	408	0	100	0.46	0	65.6	60.4	43.8	49.3	49.3
1-2 PM	444	0.0	109	0.0	1500	444	0	109	0.47	0	65.6	60.2	43.7	49.2	49.2
2-3 PM	527	0.0	130	0.0	1500	527	0	130	0.47	0	65.4	60.1	43.4	49.0	49.0
3-4 PM	647	0.0	159	0.0	1500	647	0	159	0.49	0	65.2	59.7	43.0	48.7	48.7
4-5 PM	680	0.0	167	0.0	1500	680	0	167	0.49	0	65.1	59.7	42.8	48.6	48.6
5-6 PM	605	0.0	150	0.0	1500	605	0	150	0.48	0	65.3	59.9	43.1	48.8	48.8
6-7 PM	393	0.0	96	0.0	1500	393	0	96	0.46	0	65.6	60.4	43.9	49.3	49.3
7-8 PM	271	0.0	66	0.0	1500	271	0	66	0.45	0	65.9	60.7	44.4	49.6	49.6
8-9 PM	222	0.0	54	0.0	1500	222	0	54	0.44	0	66.0	60.9	44.6	49.7	49.7
9-10 PM	187	0.0	46	0.0	1500	187	0	46	0.44	0	66.0	60.9	44.7	49.9	49.9
10-11 PM	114	0.0	28	0.0	1500	114	0	28	0.43	0	66.2	61.1	45.0	50.0	50.0
11PM-MID	79	0.0	20	0.0	1500	79	0	20	0.43	0	66.3	61.2	45.1	50.1	50.1

----- 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	0.0070
MAIN ROUTE WITH WORKS	0.0065
DIVERSION	0.0060

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

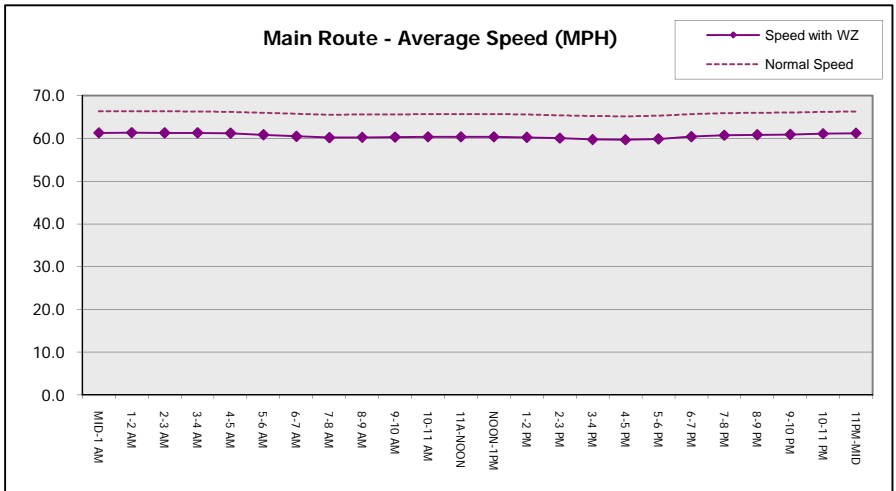
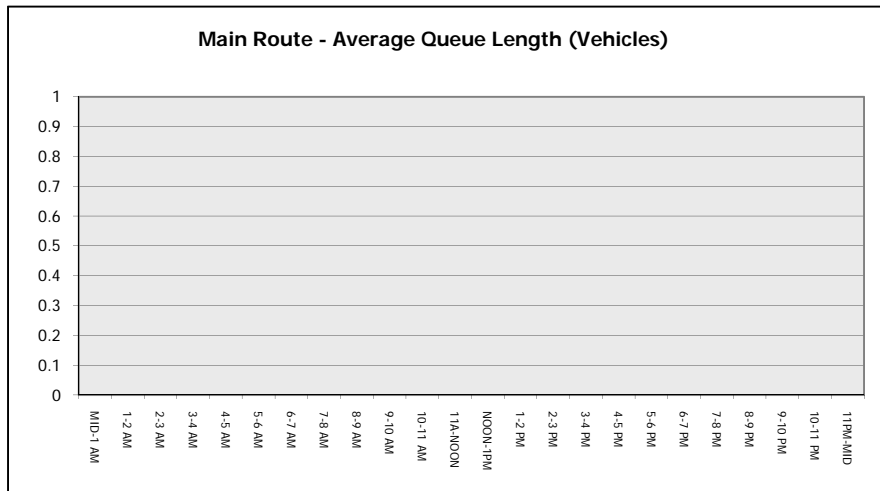
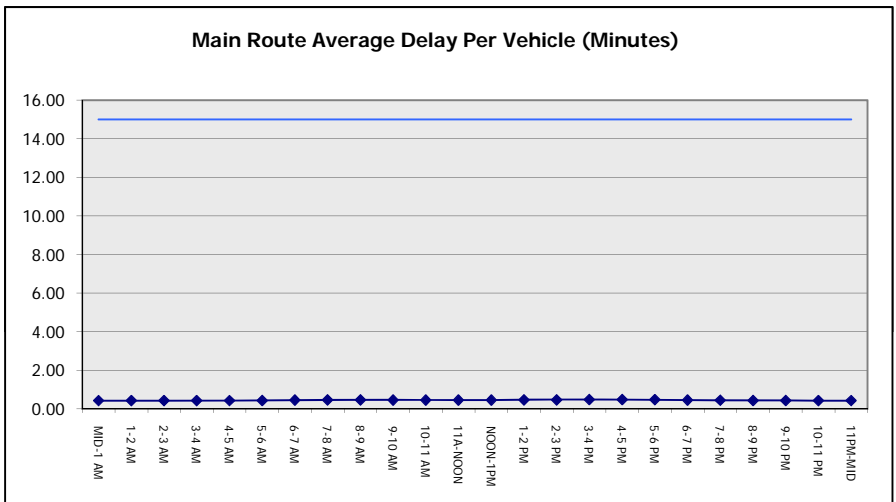
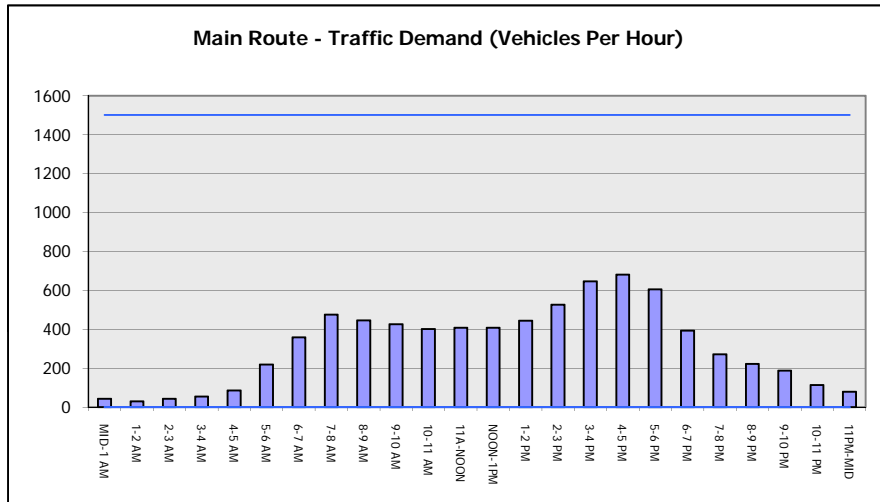
ROAD USER COSTS PER DAY (DOLLARS)	\$694
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	
MON-THUR	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	30	0.0	7	0.0	1500	30	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
1-2 AM	28	0.0	7	0.0	1500	28	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
2-3 AM	23	0.0	6	0.0	1500	23	0	6	0.42	0	66.3	61.4	45.4	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	129	0.0	31	0.0	1500	129	0	31	0.43	0	66.1	61.1	45.0	50.0	50.0
5-6 AM	325	0.0	80	0.0	1500	325	0	80	0.45	0	65.8	60.5	44.2	49.5	49.5
6-7 AM	510	0.0	126	0.0	1500	510	0	126	0.47	0	65.5	60.1	43.5	49.1	49.1
7-8 AM	603	0.0	149	0.0	1500	603	0	149	0.48	0	65.3	59.9	43.1	48.8	48.8
8-9 AM	462	0.0	114	0.0	1500	462	0	114	0.47	0	65.5	60.2	43.7	49.1	49.1
9-10 AM	453	0.0	112	0.0	1500	453	0	112	0.47	0	65.5	60.2	43.7	49.2	49.2
10-11 AM	437	0.0	108	0.0	1500	437	0	108	0.46	0	65.6	60.3	43.7	49.2	49.2
11A-NOON	428	0.0	106	0.0	1500	428	0	106	0.46	0	65.6	60.3	43.8	49.2	49.2
NOON-1PM	443	0.0	110	0.0	1500	443	0	110	0.47	0	65.6	60.3	43.7	49.2	49.2
1-2 PM	475	0.0	117	0.0	1500	475	0	117	0.47	0	65.5	60.2	43.6	49.1	49.1
2-3 PM	495	0.0	122	0.0	1500	495	0	122	0.47	0	65.5	60.1	43.5	49.1	49.1
3-4 PM	530	0.0	131	0.0	1500	530	0	131	0.47	0	65.4	60.1	43.4	49.0	49.0
4-5 PM	556	0.0	137	0.0	1500	556	0	137	0.48	0	65.3	60.0	43.3	48.9	48.9
5-6 PM	448	0.0	110	0.0	1500	448	0	110	0.47	0	65.6	60.2	43.7	49.2	49.2
6-7 PM	321	0.0	78	0.0	1500	321	0	78	0.45	0	65.8	60.6	44.2	49.5	49.5
7-8 PM	252	0.0	62	0.0	1500	252	0	62	0.45	0	65.9	60.8	44.5	49.7	49.7
8-9 PM	173	0.0	43	0.0	1500	173	0	43	0.44	0	66.1	61.0	44.8	49.9	49.9
9-10 PM	141	0.0	35	0.0	1500	141	0	35	0.44	0	66.1	61.0	44.9	49.9	49.9
10-11 PM	101	0.0	25	0.0	1500	101	0	25	0.43	0	66.2	61.2	45.1	50.1	50.1
11PM-MID	67	0.0	17	0.0	1500	67	0	17	0.43	0	66.3	61.2	45.2	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)	\$684
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

