

**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
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	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	12	0.0	1500	45	0	12	0.43	0	66.3	61.3	45.3	50.2	50.2
2-3 AM	37	0.0	8	0.0	1500	37	0	8	0.43	0	66.3	61.4	45.3	50.2	50.2
3-4 AM	21	0.0	5	0.0	1500	21	0	5	0.42	0	66.3	61.4	45.4	50.2	50.2
4-5 AM	36	0.0	8	0.0	1500	36	0	8	0.43	0	66.3	61.4	45.3	50.2	50.2
5-6 AM	75	0.0	19	0.0	1500	75	0	19	0.43	0	66.3	61.2	45.2	50.1	50.1
6-7 AM	89	0.0	22	0.0	1500	89	0	22	0.43	0	66.2	61.2	45.1	50.1	50.1
7-8 AM	140	0.0	35	0.0	1500	140	0	35	0.44	0	66.1	61.0	44.9	49.9	49.9
8-9 AM	207	0.0	51	0.0	1500	207	0	51	0.44	0	66.0	60.9	44.6	49.8	49.8
9-10 AM	319	0.0	78	0.0	1500	319	0	78	0.45	0	65.8	60.6	44.2	49.5	49.5
10-11 AM	421	0.0	104	0.0	1500	421	0	104	0.46	0	65.6	60.3	43.8	49.2	49.2
11A-NOON	478	0.0	117	0.0	1500	478	0	117	0.47	0	65.5	60.2	43.6	49.1	49.1
NOON-1PM	481	0.0	118	0.0	1500	481	0	118	0.47	0	65.5	60.2	43.6	49.1	49.1
1-2 PM	507	0.0	126	0.0	1500	507	0	126	0.47	0	65.5	60.1	43.5	49.1	49.1
2-3 PM	538	0.0	133	0.0	1500	538	0	133	0.47	0	65.4	60.1	43.3	48.9	48.9
3-4 PM	583	0.0	143	0.0	1500	583	0	143	0.48	0	65.3	59.9	43.2	48.9	48.9
4-5 PM	569	0.0	140	0.0	1500	569	0	140	0.48	0	65.3	59.9	43.2	48.9	48.9
5-6 PM	504	0.0	125	0.0	1500	504	0	125	0.47	0	65.5	60.1	43.5	49.1	49.1
6-7 PM	428	0.0	106	0.0	1500	428	0	106	0.46	0	65.6	60.3	43.8	49.2	49.2
7-8 PM	354	0.0	87	0.0	1500	354	0	87	0.46	0	65.7	60.5	44.1	49.4	49.4
8-9 PM	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 PM	155	0.0	38	0.0	1500	155	0	38	0.44	0	66.1	61.0	44.8	49.9	49.9
10-11 PM	80	0.0	20	0.0	1500	80	0	20	0.43	0	66.3	61.2	45.1	50.1	50.1
11PM-MID	56	0.0	14	0.0	1500	56	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2

----- 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	0.0060
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.0051

PIA: Personal Injury Accidents

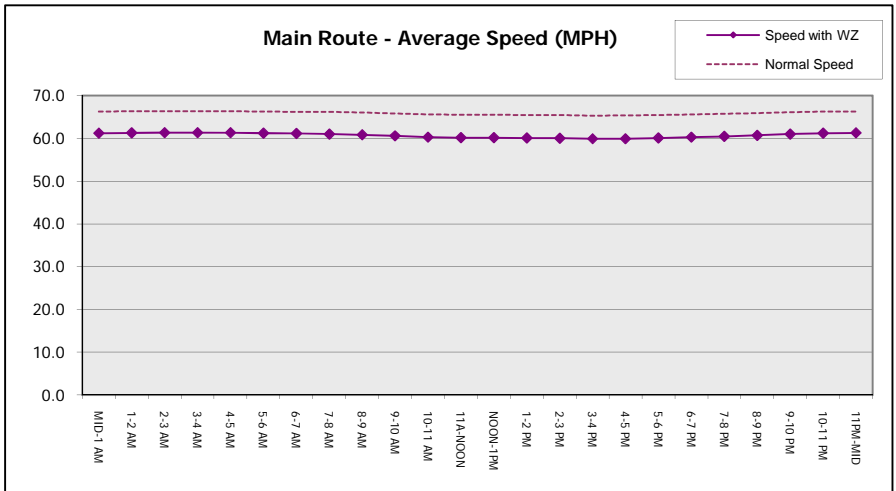
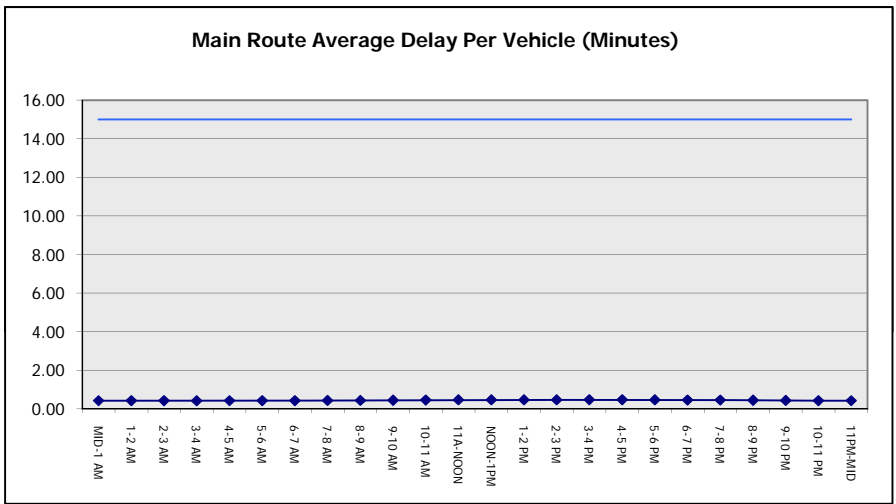
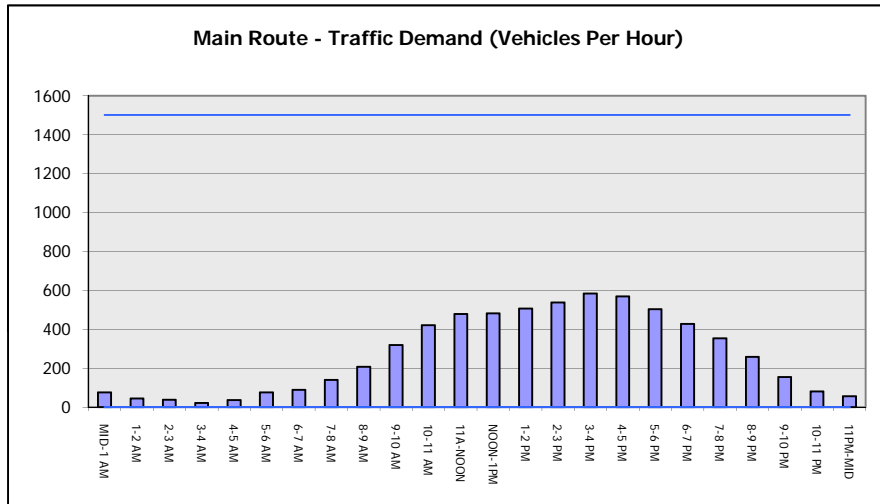
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$768
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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	
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		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	52	0.0	13	0.0	1500	52	0	13	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	22	0.0	5	0.0	1500	22	0	5	0.42	0	66.3	61.4	45.4	50.2	50.2
3-4 AM	24	0.0	6	0.0	1500	24	0	6	0.42	0	66.3	61.4	45.4	50.2	50.2
4-5 AM	31	0.0	7	0.0	1500	31	0	7	0.43	0	66.3	61.4	45.4	50.2	50.2
5-6 AM	55	0.0	14	0.0	1500	55	0	14	0.43	0	66.3	61.3	45.3	50.2	50.2
6-7 AM	66	0.0	16	0.0	1500	66	0	16	0.43	0	66.3	61.2	45.2	50.1	50.1
7-8 AM	122	0.0	30	0.0	1500	122	0	30	0.43	0	66.1	61.1	45.0	50.0	50.0
8-9 AM	262	0.0	65	0.0	1500	262	0	65	0.45	0	65.9	60.7	44.5	49.6	49.6
9-10 AM	452	0.0	111	0.0	1500	452	0	111	0.47	0	65.5	60.2	43.7	49.2	49.2
10-11 AM	625	0.0	154	0.0	1500	625	0	154	0.48	0	65.2	59.8	43.0	48.7	48.7
11A-NOON	796	0.0	197	0.0	1500	796	0	197	0.50	0	64.9	59.4	42.4	48.3	48.3
NOON-1PM	859	0.0	211	0.0	1500	859	0	211	0.51	0	64.8	59.2	42.2	48.2	48.2
1-2 PM	913	0.0	225	0.0	1500	913	0	225	0.51	0	64.7	59.1	42.0	48.0	48.0
2-3 PM	931	0.0	229	0.0	1500	931	0	229	0.51	0	64.6	59.0	41.9	48.0	48.0
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	886	0.0	219	0.0	1500	886	0	219	0.51	0	64.7	59.1	42.1	48.1	48.1
5-6 PM	795	0.0	196	0.0	1500	795	0	196	0.50	0	64.9	59.4	42.4	48.3	48.3
6-7 PM	698	0.0	172	0.0	1500	698	0	172	0.49	0	65.1	59.6	42.8	48.6	48.6
7-8 PM	602	0.0	149	0.0	1500	602	0	149	0.48	0	65.3	59.9	43.1	48.8	48.8
8-9 PM	386	0.0	95	0.0	1500	386	0	95	0.46	0	65.6	60.4	44.0	49.4	49.4
9-10 PM	227	0.0	55	0.0	1500	227	0	55	0.44	0	66.0	60.9	44.6	49.7	49.7
10-11 PM	145	0.0	36	0.0	1500	145	0	36	0.44	0	66.1	61.0	44.9	49.9	49.9
11PM-MID	81	0.0	20	0.0	1500	81	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	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	0.0093
MAIN ROUTE WITH WORKS	0.0086
DIVERSION	0.0079

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,275
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
SUNDAY EASTBOUND DIRECTION

