

<b>USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	296	0.0	OFF	296	0	0.00	0	65.8	65.8	65.8
1-2 AM	184	0.0	OFF	184	0	0.00	0	66.0	66.0	66.0
2-3 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
3-4 AM	118	0.0	OFF	118	0	0.00	0	66.1	66.1	66.1
4-5 AM	190	0.0	OFF	190	0	0.00	0	66.0	66.0	66.0
5-6 AM	313	0.0	OFF	313	0	0.00	0	65.8	65.8	65.8
6-7 AM	582	0.0	OFF	582	0	0.00	0	65.3	65.3	65.3
7-8 AM	963	0.0	OFF	963	0	0.00	0	64.6	64.6	64.6
8-9 AM	1418	0.0	2000	1418	0	0.92	0	63.7	48.5	32.5
9-10 AM	1653	0.0	2000	1653	0	1.22	0	63.3	44.7	27.9
10-11 AM	1843	0.0	2000	1843	0	1.22	0	63.0	44.6	27.9
11AM-NOON	1916	0.0	2000	1916	0	1.21	0	62.8	44.5	27.9
NOON-1PM	1849	0.0	2000	1849	0	1.22	0	63.0	44.6	27.9
1-2 PM	1810	0.0	2000	1810	0	1.22	0	63.0	44.6	27.9
2-3 PM	1778	0.0	2000	1778	0	1.22	0	63.1	44.6	27.9
3-4 PM	1653	0.0	2000	1653	0	1.22	0	63.3	44.7	27.9
4-5 PM	1582	0.0	2000	1582	0	1.13	0	63.5	45.8	29.2
5-6 PM	1364	0.0	2000	1364	0	0.85	0	63.8	49.4	33.8
6-7 PM	1111	0.0	OFF	1111	0	0.00	0	64.3	64.3	64.3
7-8 PM	950	0.0	OFF	950	0	0.00	0	64.6	64.6	64.6
8-9 PM	884	0.0	OFF	884	0	0.00	0	64.7	64.7	64.7
9-10 PM	924	0.0	OFF	924	0	0.00	0	64.6	64.6	64.6
10-11 PM	1099	0.0	OFF	1099	0	0.00	0	64.3	64.3	64.3
11PM-MID	1199	0.0	OFF	1199	0	0.00	0	64.1	64.1	64.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0127
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,282
CONGESTED HOURS PER DAY*	0

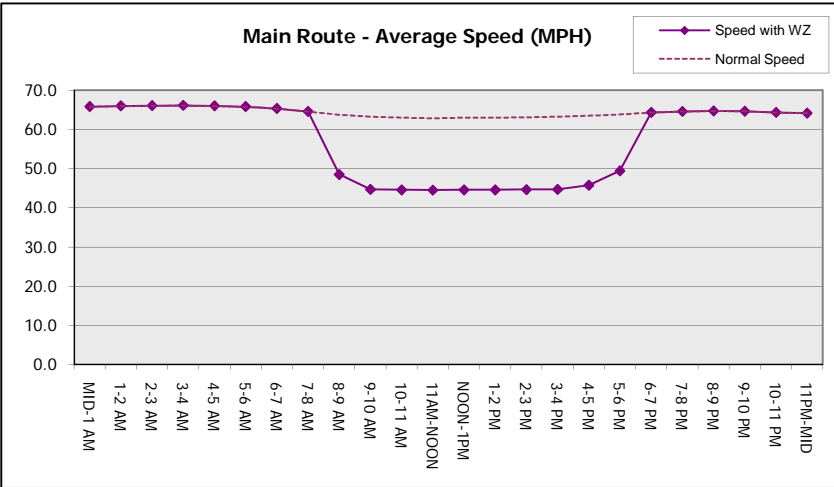
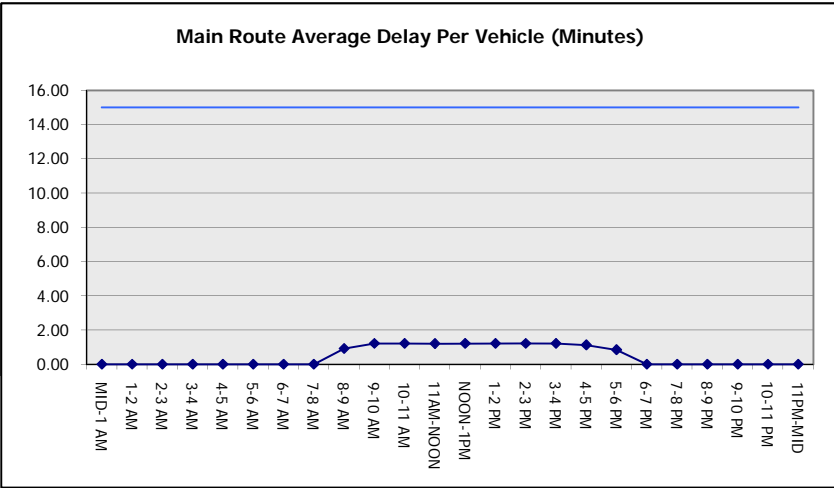
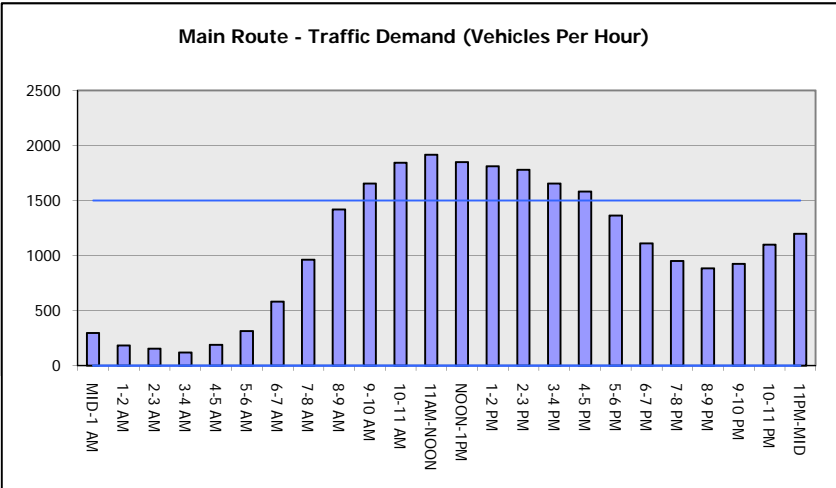
\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH		
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	355	0.0	OFF	355	0	0.00	0	65.7	65.7	65.7
1-2 AM	249	0.0	OFF	249	0	0.00	0	66.0	66.0	66.0
2-3 AM	160	0.0	OFF	160	0	0.00	0	66.1	66.1	66.1
3-4 AM	153	0.0	OFF	153	0	0.00	0	66.1	66.1	66.1
4-5 AM	174	0.0	OFF	174	0	0.00	0	66.1	66.1	66.1
5-6 AM	337	0.0	OFF	337	0	0.00	0	65.8	65.8	65.8
6-7 AM	498	0.0	OFF	498	0	0.00	0	65.5	65.5	65.5
7-8 AM	826	0.0	OFF	826	0	0.00	0	64.8	64.8	64.8
8-9 AM	1180	0.0	2000	1180	0	0.61	0	64.2	53.0	39.1
9-10 AM	1619	0.0	1999	1619	0	1.12	0	63.3	45.9	29.4
10-11 AM	2156	0.0	1999	2156	0	2.48	54	62.3	34.0	27.9
11AM-NOON	2357	0.0	2000	2357	0	9.41	322	62.0	15.4	27.9
NOON-1PM	2547	0.0	1999	2010	536	16.39+	566	60.4	11.4	27.9
1-2 PM	2612	0.0	2000	2009	603	16.35+	566	59.7	11.4	27.9
2-3 PM	2590	0.0	2000	2007	583	16.36+	566	60.0	11.4	27.9
3-4 PM	2576	0.0	2000	2005	570	16.37+	566	60.1	11.4	27.9
4-5 PM	2414	0.0	2000	2004	410	16.46+	566	61.8	11.4	27.9
5-6 PM	2160	0.0	2000	2015	145	16.42+	563	62.3	11.4	27.9
6-7 PM	1610	0.0	OFF	1610	0	1.04	66	63.4	46.8	46.8
7-8 PM	1186	0.0	OFF	1186	0	0.00	0	64.1	64.1	64.1
8-9 PM	1046	0.0	OFF	1046	0	0.00	0	64.5	64.5	64.5
9-10 PM	891	0.0	OFF	891	0	0.00	0	64.7	64.7	64.7
10-11 PM	737	0.0	OFF	737	0	0.00	0	65.0	65.0	65.0
11PM-MID	514	0.0	OFF	514	0	0.00	0	65.5	65.5	65.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0153
MAIN ROUTE WITH WORKS	0.0126
'DIVERSION'	0.0033

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$74,797
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding User-Specified Maximum

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**SATURDAY NORTHBOUND DIRECTION**

