

<b>USH 41: STH 44 TO STH 26 (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**

SUNDAY 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	573	0.0	OFF	573	0	0.00	0	65.3	65.3	65.3
1-2 AM	184	0.0	OFF	184	0	0.00	0	66.0	66.0	66.0
2-3 AM	133	0.0	OFF	133	0	0.00	0	66.1	66.1	66.1
3-4 AM	114	0.0	OFF	114	0	0.00	0	66.2	66.2	66.2
4-5 AM	115	0.0	OFF	115	0	0.00	0	66.2	66.2	66.2
5-6 AM	169	0.0	OFF	169	0	0.00	0	66.1	66.1	66.1
6-7 AM	288	0.0	OFF	288	0	0.00	0	65.8	65.8	65.8
7-8 AM	515	0.0	OFF	515	0	0.00	0	65.5	65.5	65.5
8-9 AM	941	0.0	OFF	941	0	0.00	0	64.6	64.6	64.6
9-10 AM	1417	0.0	1499	1417	0	1.10	7	63.7	44.5	33.5
10-11 AM	2065	0.0	1500	1935	130	9.14+	260	62.5	14.5	30.8
11AM-NOON	2372	0.0	1500	1493	879	16.39+	416	62.0	9.7	30.8
NOON-1PM	2359	0.0	1499	1496	863	16.37+	416	62.0	9.7	30.8
1-2 PM	2418	0.0	1499	1495	923	16.37+	416	61.7	9.7	30.8
2-3 PM	2451	0.0	1499	1495	956	16.35+	416	61.4	9.7	30.8
3-4 PM	2436	0.0	1499	1497	938	16.35+	416	61.5	9.7	30.8
4-5 PM	2394	0.0	1499	1498	897	16.37+	416	61.9	9.7	30.8
5-6 PM	2169	0.0	1499	1498	671	16.38+	415	62.3	9.7	30.8
6-7 PM	1773	0.0	1499	1497	276	16.39+	415	63.1	9.7	30.8
7-8 PM	1395	0.0	OFF	1395	0	0.57	35	63.8	52.1	52.1
8-9 PM	1045	0.0	OFF	1045	0	0.00	0	64.5	64.5	64.5
9-10 PM	660	0.0	OFF	660	0	0.00	0	65.1	65.1	65.1
10-11 PM	447	0.0	OFF	447	0	0.00	0	65.6	65.6	65.6
11PM-MID	230	0.0	OFF	230	0	0.00	0	66.0	66.0	66.0

"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

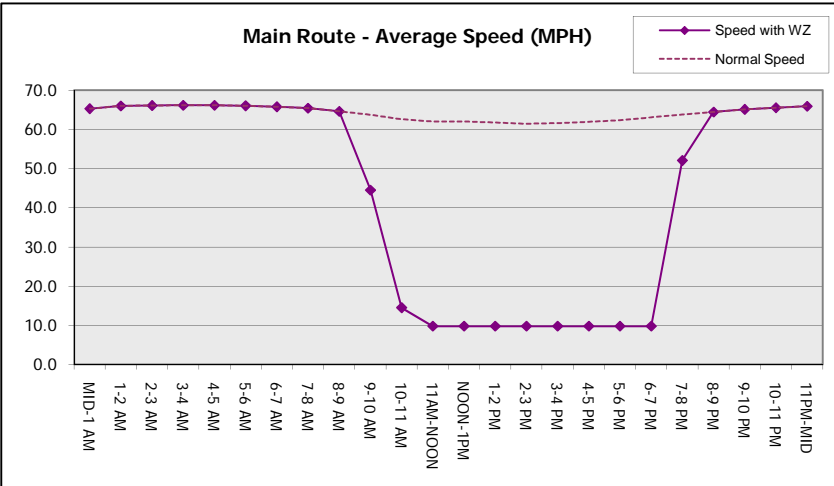
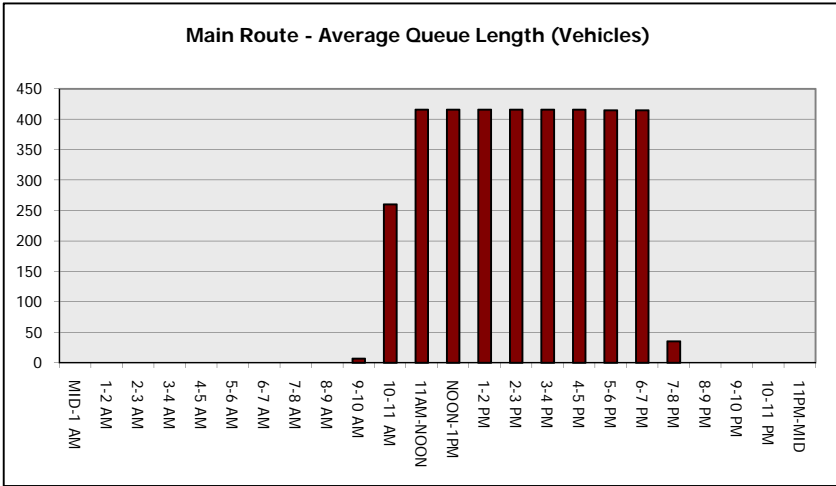
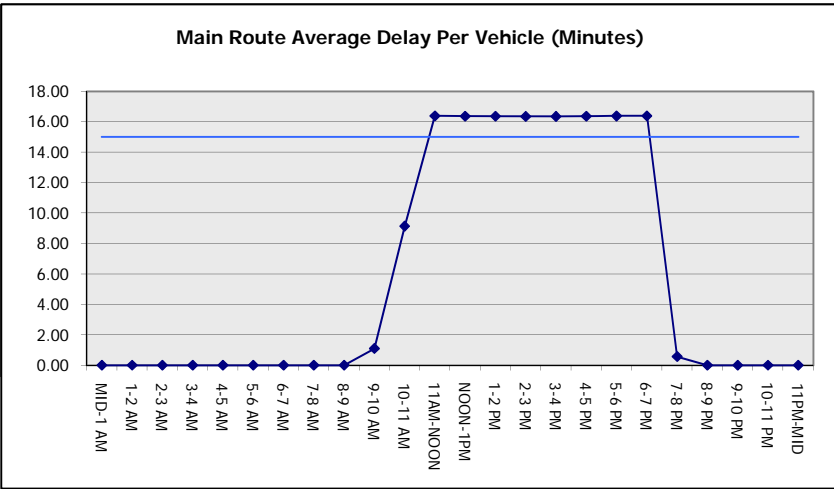
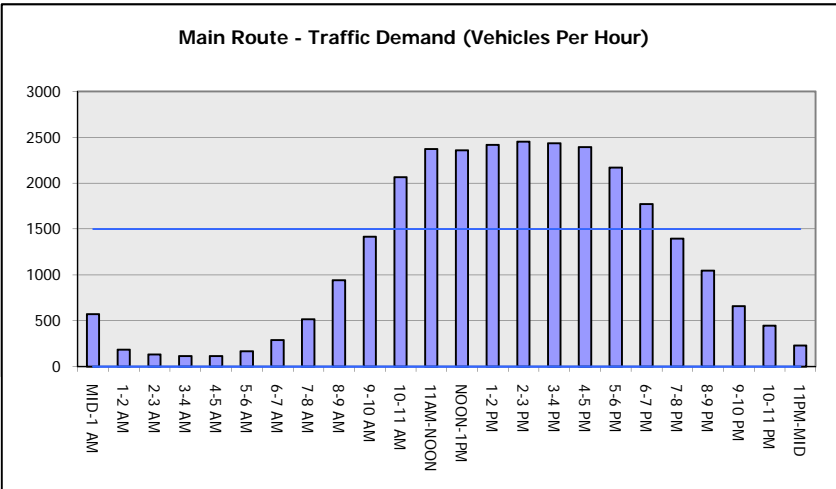
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0123
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0065
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$89,396
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



<b>USH 41: STH 44 TO STH 26 (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**

SUNDAY 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	217	0.0	OFF	217	0	0.00	0	66.0	66.0	66.0
1-2 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1
2-3 AM	104	0.0	OFF	104	0	0.00	0	66.2	66.2	66.2
3-4 AM	66	0.0	OFF	66	0	0.00	0	66.3	66.3	66.3
4-5 AM	77	0.0	OFF	77	0	0.00	0	66.3	66.3	66.3
5-6 AM	215	0.0	OFF	215	0	0.00	0	66.0	66.0	66.0
6-7 AM	221	0.0	OFF	221	0	0.00	0	66.0	66.0	66.0
7-8 AM	300	0.0	OFF	300	0	0.00	0	65.8	65.8	65.8
8-9 AM	498	0.0	OFF	498	0	0.00	0	65.5	65.5	65.5
9-10 AM	832	0.0	1500	832	0	0.50	0	64.8	54.0	42.3
10-11 AM	1160	0.0	1500	1160	0	0.59	0	64.2	52.2	39.7
11AM-NOON	1442	0.0	1499	1442	0	0.95	0	63.7	46.4	32.0
NOON-1PM	1554	0.0	1499	1554	0	1.77	21	63.5	37.4	30.8
1-2 PM	1613	0.0	1500	1613	0	4.94	110	63.4	21.6	30.8
2-3 PM	1583	0.0	1499	1583	0	8.75	210	63.5	14.3	30.8
3-4 PM	1579	0.0	1500	1579	0	11.75	290	63.5	11.6	30.8
4-5 PM	1582	0.0	1500	1582	0	14.82+	373	63.5	10.2	30.8
5-6 PM	1513	0.0	1499	1488	25	16.24+	410	63.6	9.8	30.8
6-7 PM	1277	0.0	1499	1277	0	11.95+	302	64.0	11.7	30.9
7-8 PM	1057	0.0	OFF	1057	0	0.09	5	64.4	62.1	62.1
8-9 PM	882	0.0	OFF	882	0	0.00	0	64.8	64.8	64.8
9-10 PM	657	0.0	OFF	657	0	0.00	0	65.1	65.1	65.1
10-11 PM	448	0.0	OFF	448	0	0.00	0	65.6	65.6	65.6
11PM-MID	279	0.0	OFF	279	0	0.00	0	65.9	65.9	65.9

"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	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	0.0083
MAIN ROUTE WITH WORKS	0.0074
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,253
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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**SUNDAY NORTHBOUND DIRECTION**

