

USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	169	0.0	OFF	169	0	0.00	0	66.1	66.1	66.1	
1-2 AM	137	0.0	OFF	137	0	0.00	0	66.1	66.1	66.1	
2-3 AM	130	0.0	OFF	130	0	0.00	0	66.1	66.1	66.1	
3-4 AM	194	0.0	OFF	194	0	0.00	0	66.0	66.0	66.0	
4-5 AM	363	0.0	OFF	363	0	0.00	0	65.7	65.7	65.7	
5-6 AM	834	0.0	OFF	834	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1487	0.0	OFF	1487	0	0.00	0	63.6	63.6	63.6	
7-8 AM	2040	0.0	OFF	2040	0	0.00	0	62.6	62.6	62.6	
8-9 AM	1641	0.0	OFF	1641	0	0.00	0	63.3	63.3	63.3	
9-10 AM	1438	0.0	1500	1438	0	0.94	0	63.7	46.5	32.1	
10-11 AM	1461	0.0	1499	1461	0	0.97	0	63.7	46.1	31.6	
11AM-NOON	1541	0.0	1499	1541	0	1.58	15	63.5	39.2	30.8	
NOON-1PM	1609	0.0	1500	1609	0	4.24	91	63.4	23.8	30.8	
1-2 PM	1679	0.0	1500	1679	0	9.34	231	63.3	13.7	30.8	
2-3 PM	1864	0.0	1499	1601	263	15.95+	404	62.9	9.9	30.8	
3-4 PM	2033	0.0	1499	1499	534	16.38+	415	62.6	9.7	30.8	
4-5 PM	2217	0.0	OFF	2217	0	0.90	51	62.2	46.3	46.3	
5-6 PM	1942	0.0	OFF	1942	0	0.00	0	62.8	62.8	62.8	
6-7 PM	1269	0.0	OFF	1269	0	0.00	0	64.0	64.0	64.0	
7-8 PM	936	0.0	OFF	936	0	0.00	0	64.6	64.6	64.6	
8-9 PM	814	0.0	OFF	814	0	0.00	0	64.9	64.9	64.9	
9-10 PM	663	0.0	OFF	663	0	0.00	0	65.1	65.1	65.1	
10-11 PM	539	0.0	OFF	539	0	0.00	0	65.4	65.4	65.4	
11PM-MID	361	0.0	OFF	361	0	0.00	0	65.7	65.7	65.7	

"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

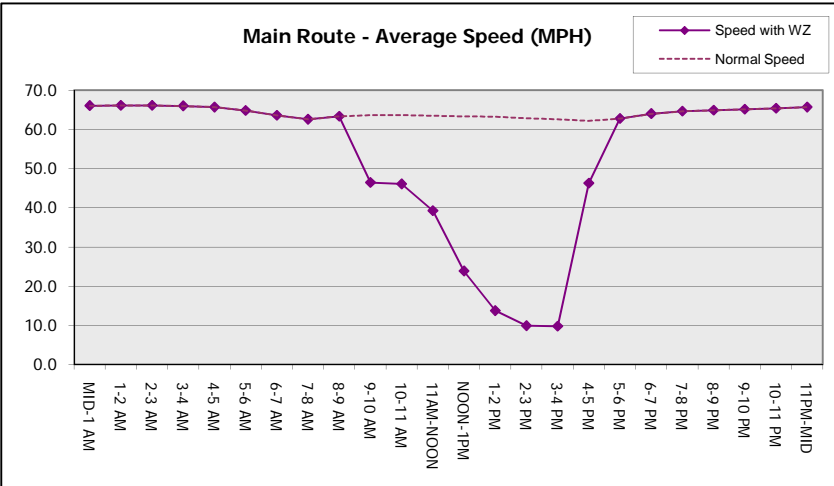
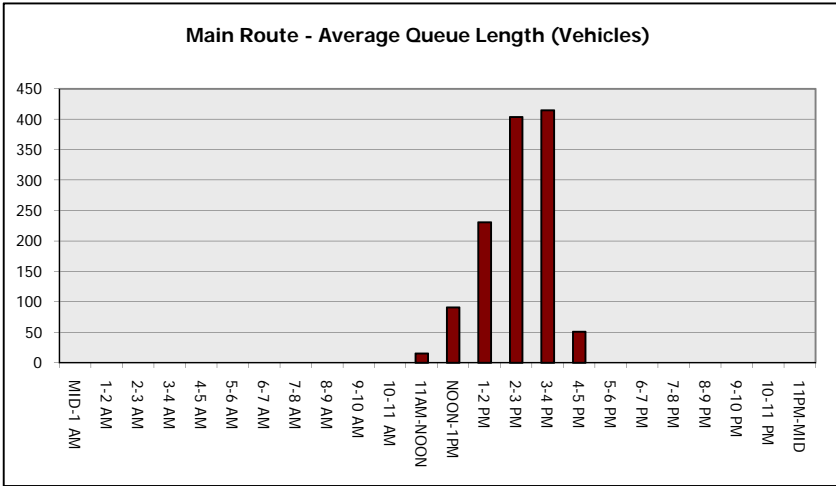
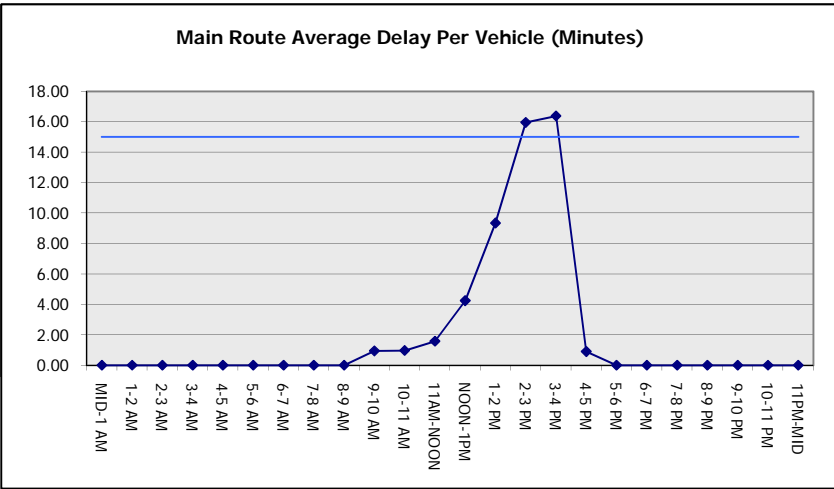
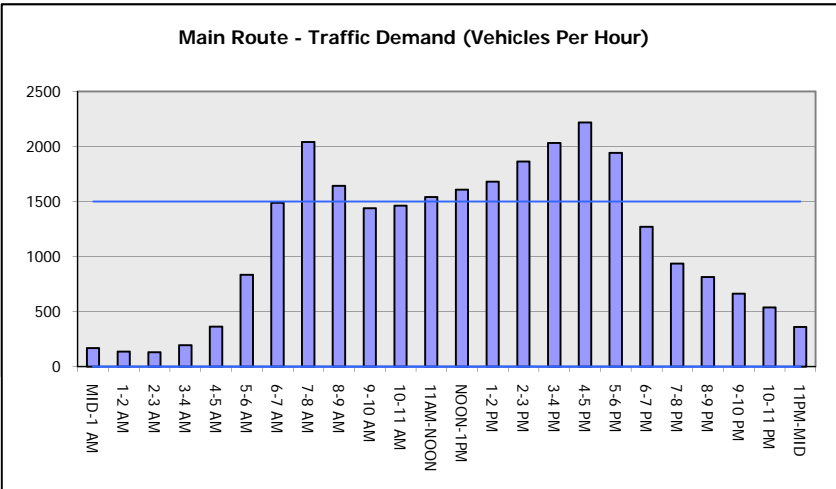
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0118
MAIN ROUTE WITH WORKS	0.0107
'DIVERSION'	0.0008
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$18,341
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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



USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	177	0.0	OFF	177	0	0.00	0	66.1	66.1	66.1	
1-2 AM	133	0.0	OFF	133	0	0.00	0	66.1	66.1	66.1	
2-3 AM	122	0.0	OFF	122	0	0.00	0	66.1	66.1	66.1	
3-4 AM	150	0.0	OFF	150	0	0.00	0	66.1	66.1	66.1	
4-5 AM	253	0.0	OFF	253	0	0.00	0	65.9	65.9	65.9	
5-6 AM	690	0.0	OFF	690	0	0.00	0	65.1	65.1	65.1	
6-7 AM	1242	0.0	OFF	1242	0	0.00	0	64.1	64.1	64.1	
7-8 AM	1707	0.0	OFF	1707	0	0.00	0	63.2	63.2	63.2	
8-9 AM	1296	0.0	OFF	1296	0	0.00	0	64.0	64.0	64.0	
9-10 AM	1270	0.0	1500	1270	0	0.73	0	64.0	49.7	36.3	
10-11 AM	1367	0.0	1500	1367	0	0.85	0	63.8	47.8	33.8	
11AM-NOON	1404	0.0	1500	1404	0	0.90	0	63.8	47.1	32.9	
NOON-1PM	1413	0.0	1499	1413	0	0.91	0	63.8	46.9	32.7	
1-2 PM	1482	0.0	1499	1482	0	1.04	1	63.7	45.2	31.2	
2-3 PM	1627	0.0	1500	1627	0	2.88	57	63.3	29.8	30.8	
3-4 PM	1840	0.0	1500	1840	0	10.97+	287	63.0	12.5	30.8	
4-5 PM	2076	0.0	OFF	2076	0	0.96	57	62.5	45.6	45.6	
5-6 PM	1964	0.0	OFF	1964	0	0.00	0	62.7	62.7	62.7	
6-7 PM	1344	0.0	OFF	1344	0	0.00	0	63.9	63.9	63.9	
7-8 PM	965	0.0	OFF	965	0	0.00	0	64.6	64.6	64.6	
8-9 PM	789	0.0	OFF	789	0	0.00	0	64.9	64.9	64.9	
9-10 PM	617	0.0	OFF	617	0	0.00	0	65.3	65.3	65.3	
10-11 PM	444	0.0	OFF	444	0	0.00	0	65.6	65.6	65.6	
11PM-MID	309	0.0	OFF	309	0	0.00	0	65.8	65.8	65.8	

"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	0.0106
MAIN ROUTE WITH WORKS	0.0099
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,535
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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