

USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	143	0.0	OFF	143	0	0.00	0	66.1	66.1	66.1	
1-2 AM	124	0.0	OFF	124	0	0.00	0	66.1	66.1	66.1	
2-3 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1	
3-4 AM	154	0.0	OFF	154	0	0.00	0	66.1	66.1	66.1	
4-5 AM	312	0.0	OFF	312	0	0.00	0	65.8	65.8	65.8	
5-6 AM	734	0.0	OFF	734	0	0.00	0	65.0	65.0	65.0	
6-7 AM	1362	0.0	OFF	1362	0	0.00	0	63.8	63.8	63.8	
7-8 AM	1925	0.0	OFF	1925	0	0.00	0	62.8	62.8	62.8	
8-9 AM	1535	0.0	OFF	1535	0	0.00	0	63.5	63.5	63.5	
9-10 AM	1339	0.0	1500	1339	0	0.82	0	63.9	48.3	34.5	
10-11 AM	1329	0.0	1500	1329	0	0.80	0	63.9	48.6	34.7	
11AM-NOON	1377	0.0	1500	1377	0	0.87	0	63.8	47.6	33.5	
NOON-1PM	1441	0.0	1499	1441	0	0.95	0	63.7	46.4	32.0	
1-2 PM	1517	0.0	1499	1517	0	1.22	5	63.5	43.0	30.9	
2-3 PM	1680	0.0	1500	1680	0	4.26	98	63.3	23.8	30.8	
3-4 PM	1992	0.0	1500	1715	277	14.19+	363	62.7	10.6	30.8	
4-5 PM	2168	0.0	OFF	2168	0	0.82	47	62.3	47.4	47.4	
5-6 PM	1920	0.0	OFF	1920	0	0.00	0	62.8	62.8	62.8	
6-7 PM	1264	0.0	OFF	1264	0	0.00	0	64.0	64.0	64.0	
7-8 PM	930	0.0	OFF	930	0	0.00	0	64.6	64.6	64.6	
8-9 PM	817	0.0	OFF	817	0	0.00	0	64.8	64.8	64.8	
9-10 PM	606	0.0	OFF	606	0	0.00	0	65.3	65.3	65.3	
10-11 PM	467	0.0	OFF	467	0	0.00	0	65.5	65.5	65.5	
11PM-MID	272	0.0	OFF	272	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 (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

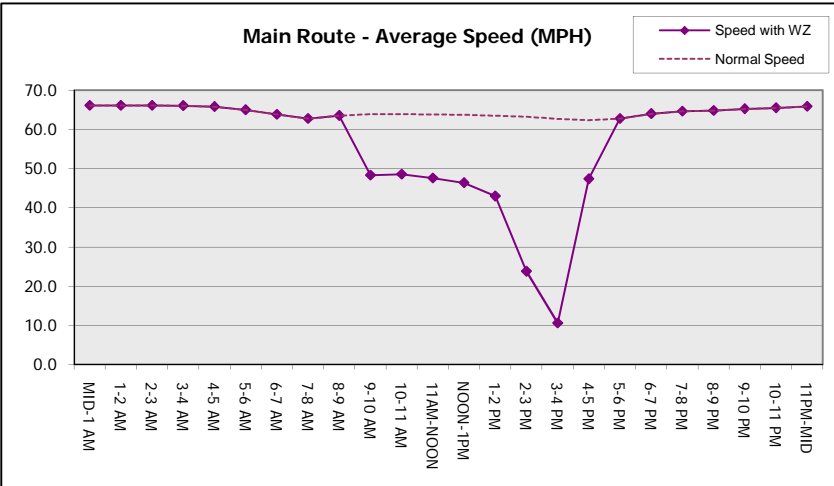
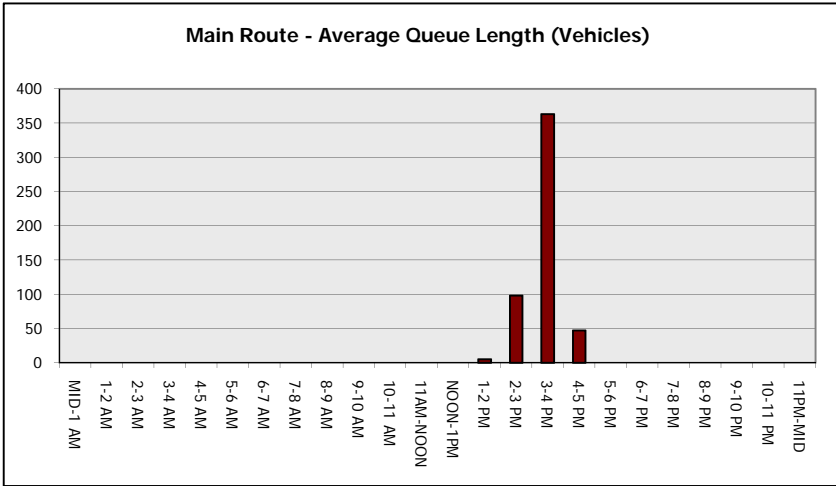
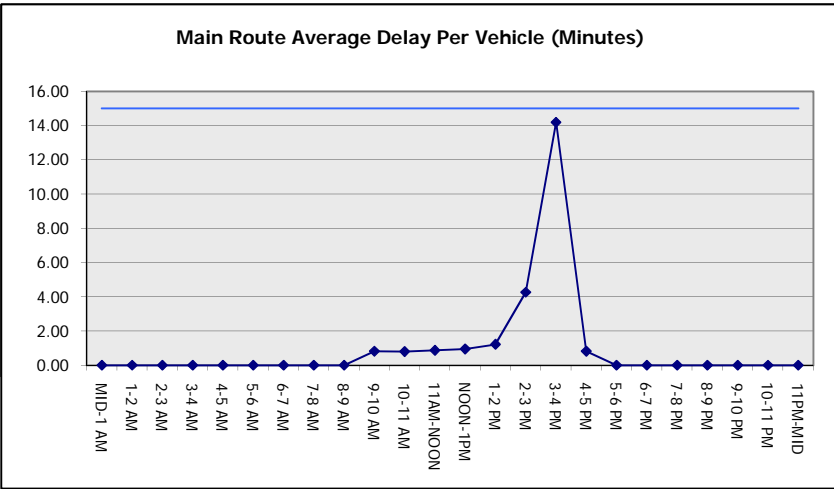
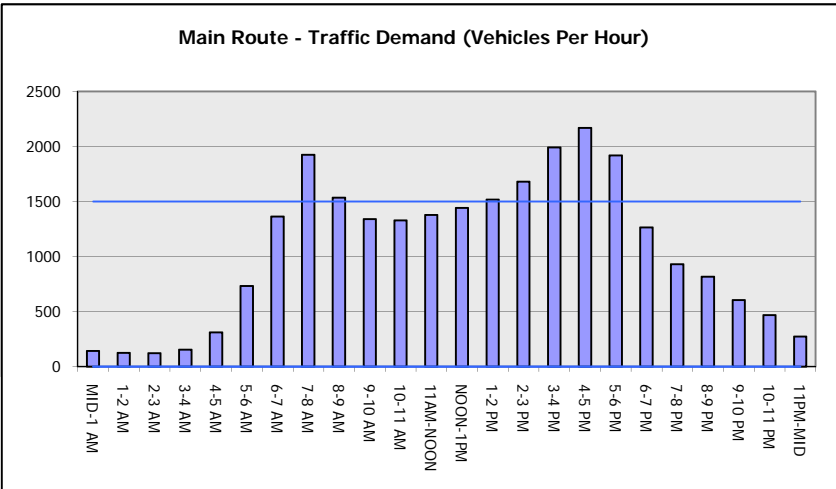
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0110
MAIN ROUTE WITH WORKS	0.0102
'DIVERSION'	0.0003
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,348
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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



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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	145	0.0	OFF	145	0	0.00	0	66.1	66.1	66.1
1-2 AM	103	0.0	OFF	103	0	0.00	0	66.2	66.2	66.2
2-3 AM	97	0.0	OFF	97	0	0.00	0	66.2	66.2	66.2
3-4 AM	131	0.0	OFF	131	0	0.00	0	66.1	66.1	66.1
4-5 AM	220	0.0	OFF	220	0	0.00	0	66.0	66.0	66.0
5-6 AM	625	0.0	OFF	625	0	0.00	0	65.2	65.2	65.2
6-7 AM	1168	0.0	OFF	1168	0	0.00	0	64.2	64.2	64.2
7-8 AM	1665	0.0	OFF	1665	0	0.00	0	63.3	63.3	63.3
8-9 AM	1223	0.0	OFF	1223	0	0.00	0	64.1	64.1	64.1
9-10 AM	1123	0.0	1500	1123	0	0.54	0	64.3	53.0	41.0
10-11 AM	1154	0.0	1500	1154	0	0.58	0	64.2	52.3	40.0
11AM-NOON	1200	0.0	1500	1200	0	0.64	0	64.1	51.2	38.4
NOON-1PM	1242	0.0	1500	1242	0	0.69	0	64.1	50.3	37.1
1-2 PM	1272	0.0	1500	1272	0	0.73	0	64.0	49.7	36.3
2-3 PM	1436	0.0	1499	1436	0	0.94	0	63.7	46.5	32.2
3-4 PM	1664	0.0	1499	1664	0	3.16	68	63.3	28.3	30.8
4-5 PM	1862	0.0	OFF	1862	0	0.11	6	62.9	60.4	60.4
5-6 PM	1763	0.0	OFF	1763	0	0.00	0	63.1	63.1	63.1
6-7 PM	1228	0.0	OFF	1228	0	0.00	0	64.1	64.1	64.1
7-8 PM	855	0.0	OFF	855	0	0.00	0	64.8	64.8	64.8
8-9 PM	721	0.0	OFF	721	0	0.00	0	65.0	65.0	65.0
9-10 PM	581	0.0	OFF	581	0	0.00	0	65.3	65.3	65.3
10-11 PM	401	0.0	OFF	401	0	0.00	0	65.6	65.6	65.6
11PM-MID	281	0.0	OFF	281	0	0.00	0	65.9	65.9	65.9

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

----- 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	0.0095
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,029
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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