

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

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	248	0.0	OFF	248	0	0.00	0	66.0	66.0	66.0	
1-2 AM	157	0.0	OFF	157	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	105	0.0	OFF	105	0	0.00	0	66.2	66.2	66.2	
4-5 AM	182	0.0	OFF	182	0	0.00	0	66.1	66.1	66.1	
5-6 AM	295	0.0	OFF	295	0	0.00	0	65.8	65.8	65.8	
6-7 AM	529	0.0	OFF	529	0	0.00	0	65.4	65.4	65.4	
7-8 AM	866	0.0	OFF	866	0	0.00	0	64.8	64.8	64.8	
8-9 AM	1328	0.0	1499	1328	0	0.80	0	63.9	48.6	34.9	
9-10 AM	1573	0.0	1499	1573	0	1.70	21	63.5	38.1	30.8	
10-11 AM	1815	0.0	1500	1815	0	8.40	220	63.0	15.0	30.8	
11AM-NOON	1877	0.0	1499	1503	374	16.39+	415	62.9	9.7	30.8	
NOON-1PM	1853	0.0	1500	1502	351	16.39+	415	62.9	9.7	30.8	
1-2 PM	1766	0.0	1500	1502	264	16.39+	415	63.1	9.7	30.8	
2-3 PM	1741	0.0	1500	1502	239	16.39+	415	63.2	9.7	30.8	
3-4 PM	1602	0.0	1500	1514	88	16.33+	413	63.4	9.7	30.8	
4-5 PM	1519	0.0	1500	1493	26	16.26+	410	63.5	9.8	30.8	
5-6 PM	1329	0.0	1499	1329	0	13.18+	331	63.9	10.9	30.8	
6-7 PM	1082	0.0	OFF	1082	0	0.16	9	64.4	60.6	60.6	
7-8 PM	958	0.0	OFF	958	0	0.00	0	64.6	64.6	64.6	
8-9 PM	829	0.0	OFF	829	0	0.00	0	64.8	64.8	64.8	
9-10 PM	796	0.0	OFF	796	0	0.00	0	64.9	64.9	64.9	
10-11 PM	883	0.0	OFF	883	0	0.00	0	64.8	64.8	64.8	
11PM-MID	901	0.0	OFF	901	0	0.00	0	64.7	64.7	64.7	

"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

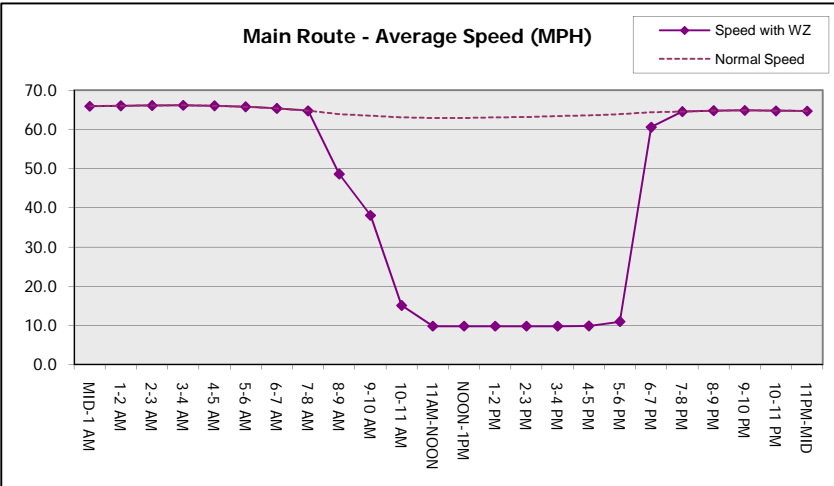
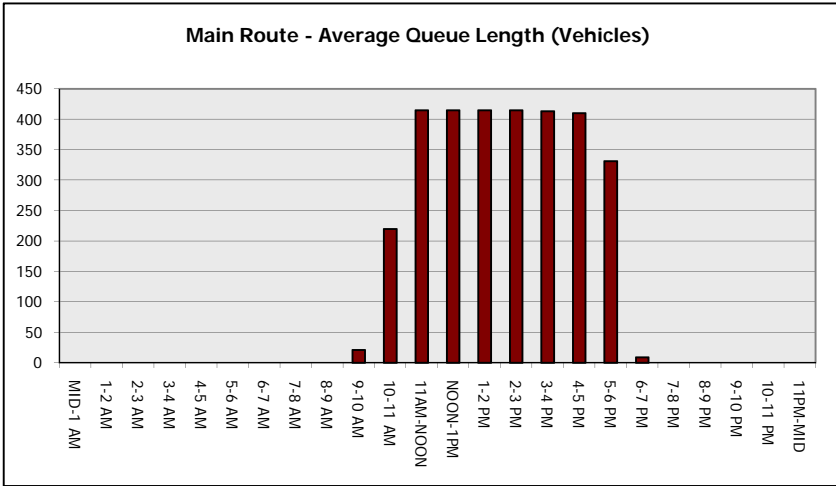
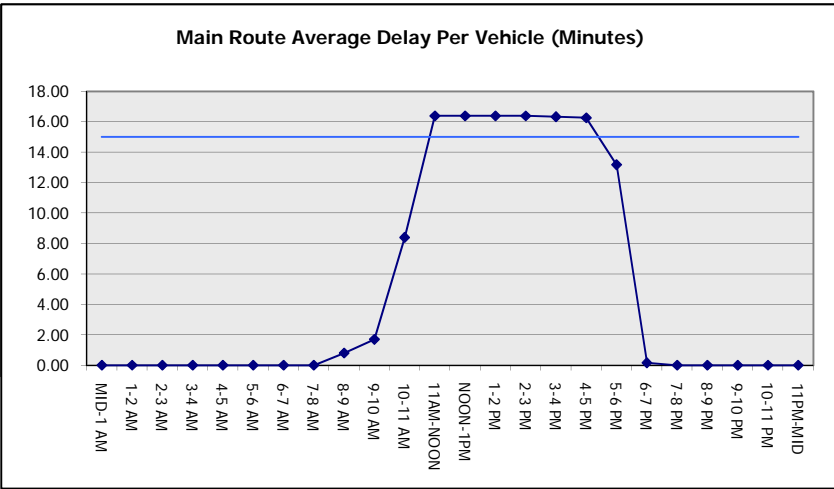
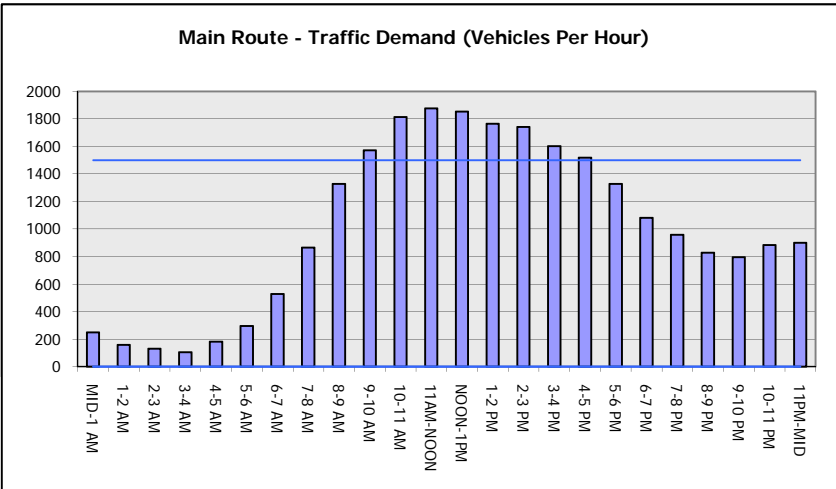
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0105
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$56,844
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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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	288	0.0	OFF	288	0	0.00	0	65.8	65.8	65.8
1-2 AM	192	0.0	OFF	192	0	0.00	0	66.0	66.0	66.0
2-3 AM	129	0.0	OFF	129	0	0.00	0	66.1	66.1	66.1
3-4 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1
4-5 AM	149	0.0	OFF	149	0	0.00	0	66.1	66.1	66.1
5-6 AM	304	0.0	OFF	304	0	0.00	0	65.8	65.8	65.8
6-7 AM	447	0.0	OFF	447	0	0.00	0	65.6	65.6	65.6
7-8 AM	700	0.0	OFF	700	0	0.00	0	65.1	65.1	65.1
8-9 AM	992	0.0	1500	992	0	0.52	0	64.5	53.5	41.7
9-10 AM	1358	0.0	1499	1358	0	0.84	0	63.8	48.1	34.2
10-11 AM	1728	0.0	1499	1728	0	4.02	98	63.2	24.6	30.8
11AM-NOON	1861	0.0	1500	1672	189	14.31+	364	62.9	10.5	30.8
NOON-1PM	1879	0.0	1500	1501	377	16.39+	415	62.9	9.7	30.8
1-2 PM	1896	0.0	1500	1501	395	16.39+	415	62.8	9.7	30.8
2-3 PM	1844	0.0	1500	1501	343	16.39+	415	63.0	9.7	30.8
3-4 PM	1798	0.0	1500	1501	297	16.39+	415	63.0	9.7	30.8
4-5 PM	1714	0.0	1500	1501	213	16.39+	415	63.2	9.7	30.8
5-6 PM	1548	0.0	1500	1491	57	16.16+	408	63.5	9.8	30.8
6-7 PM	1179	0.0	OFF	1179	0	0.45	27	64.2	54.5	54.5
7-8 PM	898	0.0	OFF	898	0	0.00	0	64.7	64.7	64.7
8-9 PM	784	0.0	OFF	784	0	0.00	0	64.9	64.9	64.9
9-10 PM	673	0.0	OFF	673	0	0.00	0	65.1	65.1	65.1
10-11 PM	552	0.0	OFF	552	0	0.00	0	65.3	65.3	65.3
11PM-MID	384	0.0	OFF	384	0	0.00	0	65.6	65.6	65.6

"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	0.0101
MAIN ROUTE WITH WORKS	0.0083
'DIVERSION'	0.0019

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,027
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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