

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

FRIDAY 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	239	0.0	OFF	239	0	0.00	0	66.0	66.0	66.0
1-2 AM	163	0.0	OFF	163	0	0.00	0	66.1	66.1	66.1
2-3 AM	147	0.0	OFF	147	0	0.00	0	66.1	66.1	66.1
3-4 AM	191	0.0	OFF	191	0	0.00	0	66.0	66.0	66.0
4-5 AM	334	0.0	OFF	334	0	0.00	0	65.8	65.8	65.8
5-6 AM	730	0.0	OFF	730	0	0.00	0	65.0	65.0	65.0
6-7 AM	1298	0.0	OFF	1298	0	0.00	0	64.0	64.0	64.0
7-8 AM	1818	0.0	OFF	1818	0	0.00	0	63.0	63.0	63.0
8-9 AM	1600	0.0	OFF	1600	0	0.00	0	63.4	63.4	63.4
9-10 AM	1595	0.0	1499	1595	0	2.49	43	63.4	32.1	30.8
10-11 AM	1714	0.0	1500	1714	0	7.81	194	63.2	15.6	30.8
11AM-NOON	1813	0.0	1500	1637	176	15.68+	397	63.0	9.9	30.8
NOON-1PM	1910	0.0	1499	1497	412	16.38+	415	62.8	9.7	30.8
1-2 PM	2014	0.0	1499	1497	516	16.38+	415	62.7	9.7	30.8
2-3 PM	2230	0.0	1499	1498	732	16.37+	415	62.2	9.7	30.8
3-4 PM	2327	0.0	1499	1498	830	16.37+	415	62.0	9.7	30.8
4-5 PM	2339	0.0	OFF	2339	0	1.03	57	62.0	44.5	44.5
5-6 PM	2004	0.0	OFF	2004	0	0.00	0	62.7	62.7	62.7
6-7 PM	1502	0.0	OFF	1502	0	0.00	0	63.6	63.6	63.6
7-8 PM	1082	0.0	OFF	1082	0	0.00	0	64.4	64.4	64.4
8-9 PM	875	0.0	OFF	875	0	0.00	0	64.8	64.8	64.8
9-10 PM	755	0.0	OFF	755	0	0.00	0	65.0	65.0	65.0
10-11 PM	680	0.0	OFF	680	0	0.00	0	65.1	65.1	65.1
11PM-MID	426	0.0	OFF	426	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

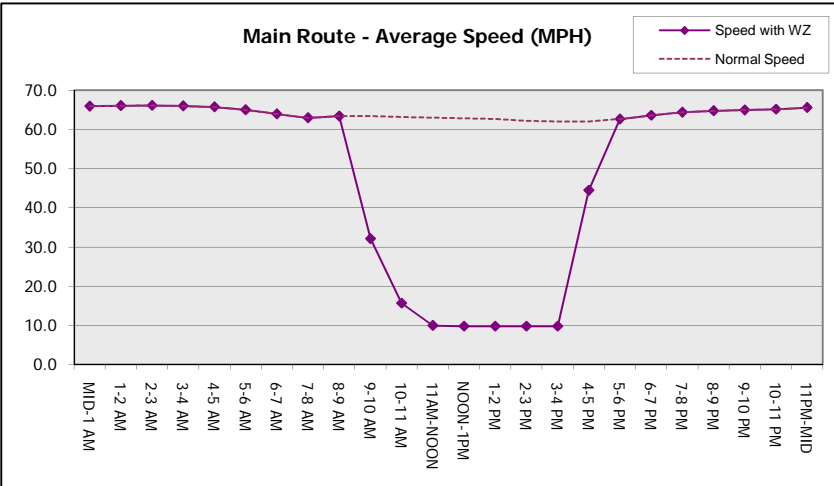
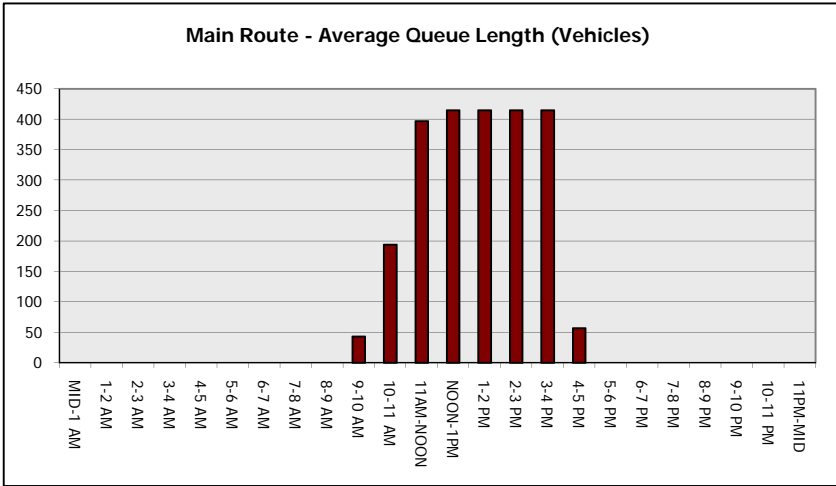
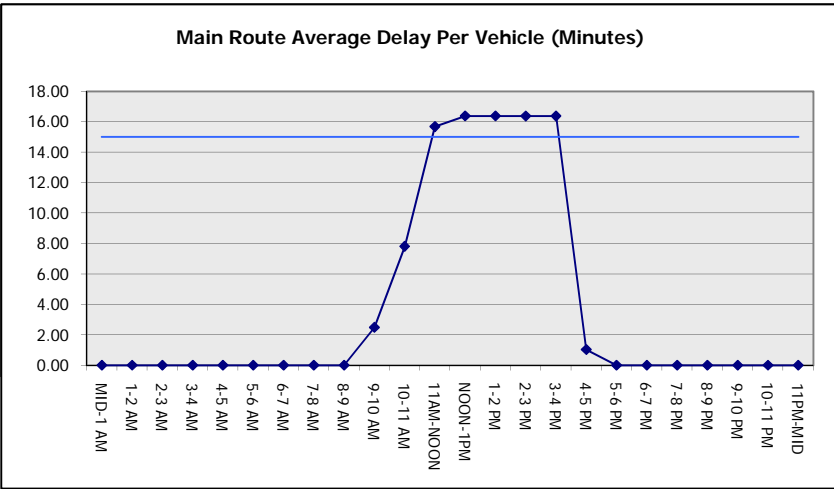
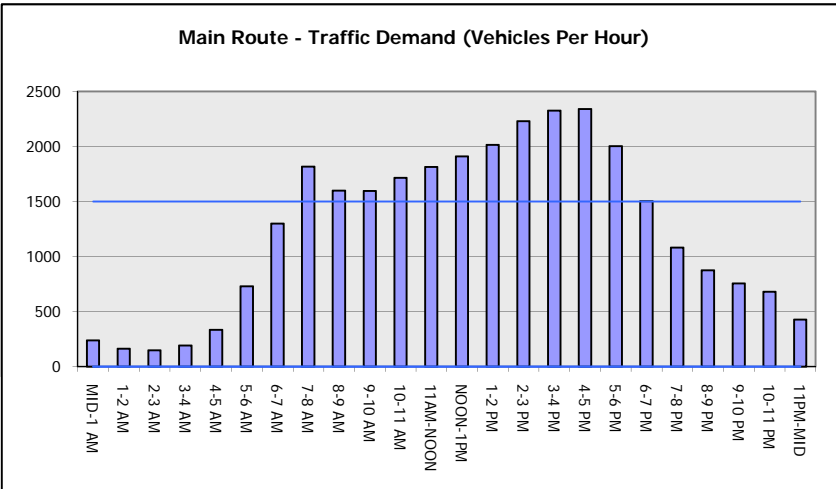
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0128
MAIN ROUTE WITH WORKS	0.0109
'DIVERSION'	0.0027
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,123
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	212	0.0	OFF	212	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	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1
3-4 AM	169	0.0	OFF	169	0	0.00	0	66.1	66.1	66.1
4-5 AM	250	0.0	OFF	250	0	0.00	0	65.9	65.9	65.9
5-6 AM	655	0.0	OFF	655	0	0.00	0	65.1	65.1	65.1
6-7 AM	1183	0.0	OFF	1183	0	0.00	0	64.2	64.2	64.2
7-8 AM	1614	0.0	OFF	1614	0	0.00	0	63.4	63.4	63.4
8-9 AM	1378	0.0	OFF	1378	0	0.00	0	63.8	63.8	63.8
9-10 AM	1480	0.0	1499	1480	0	1.06	2	63.7	44.9	31.4
10-11 AM	1672	0.0	1500	1672	0	3.75	84	63.3	25.7	30.8
11AM-NOON	1795	0.0	1500	1768	27	12.33+	316	63.0	11.5	30.8
NOON-1PM	1903	0.0	1500	1497	407	16.39+	415	62.8	9.7	30.8
1-2 PM	2053	0.0	1499	1497	555	16.38+	415	62.5	9.7	30.8
2-3 PM	2164	0.0	1499	1497	666	16.38+	415	62.3	9.7	30.8
3-4 PM	2305	0.0	1499	1498	807	16.37+	415	62.1	9.7	30.8
4-5 PM	2371	0.0	OFF	2371	0	1.07	58	62.0	43.9	43.9
5-6 PM	2346	0.0	OFF	2346	0	0.00	0	62.0	62.0	62.0
6-7 PM	2038	0.0	OFF	2038	0	0.00	0	62.6	62.6	62.6
7-8 PM	1620	0.0	OFF	1620	0	0.00	0	63.3	63.3	63.3
8-9 PM	1249	0.0	OFF	1249	0	0.00	0	64.1	64.1	64.1
9-10 PM	934	0.0	OFF	934	0	0.00	0	64.6	64.6	64.6
10-11 PM	664	0.0	OFF	664	0	0.00	0	65.1	65.1	65.1
11PM-MID	517	0.0	OFF	517	0	0.00	0	65.4	65.4	65.4

"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	0.0133
MAIN ROUTE WITH WORKS	0.0115
'DIVERSION'	0.0025
PIA: Personal Injury Accidents	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$37,483
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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