

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

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	166	0.0	OFF	166	0	0.00	0	66.1	66.1	66.1	
1-2 AM	136	0.0	OFF	136	0	0.00	0	66.1	66.1	66.1	
2-3 AM	135	0.0	OFF	135	0	0.00	0	66.1	66.1	66.1	
3-4 AM	182	0.0	OFF	182	0	0.00	0	66.1	66.1	66.1	
4-5 AM	303	0.0	OFF	303	0	0.00	0	65.8	65.8	65.8	
5-6 AM	692	0.0	OFF	692	0	0.00	0	65.1	65.1	65.1	
6-7 AM	1293	0.0	OFF	1293	0	0.00	0	64.0	64.0	64.0	
7-8 AM	1882	0.0	OFF	1882	0	0.00	0	62.9	62.9	62.9	
8-9 AM	1623	0.0	OFF	1623	0	0.00	0	63.3	63.3	63.3	
9-10 AM	1396	0.0	1500	1396	0	0.89	0	63.8	47.3	33.1	
10-11 AM	1447	0.0	1499	1447	0	0.96	0	63.7	46.3	31.9	
11AM-NOON	1506	0.0	1499	1506	0	1.14	3	63.6	43.9	30.9	
NOON-1PM	1634	0.0	1500	1634	0	3.49	73	63.3	26.8	30.8	
1-2 PM	1754	0.0	1500	1754	0	10.33	263	63.1	12.9	30.8	
2-3 PM	2019	0.0	1499	1501	517	16.38+	415	62.6	9.7	30.8	
3-4 PM	2248	0.0	1500	1501	747	16.37+	415	62.2	9.7	30.8	
4-5 PM	2360	0.0	OFF	2360	0	0.92	49	62.0	45.8	45.8	
5-6 PM	2097	0.0	OFF	2097	0	0.00	0	62.5	62.5	62.5	
6-7 PM	1465	0.0	OFF	1465	0	0.00	0	63.7	63.7	63.7	
7-8 PM	1010	0.0	OFF	1010	0	0.00	0	64.5	64.5	64.5	
8-9 PM	821	0.0	OFF	821	0	0.00	0	64.8	64.8	64.8	
9-10 PM	706	0.0	OFF	706	0	0.00	0	65.1	65.1	65.1	
10-11 PM	626	0.0	OFF	626	0	0.00	0	65.2	65.2	65.2	
11PM-MID	434	0.0	OFF	434	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

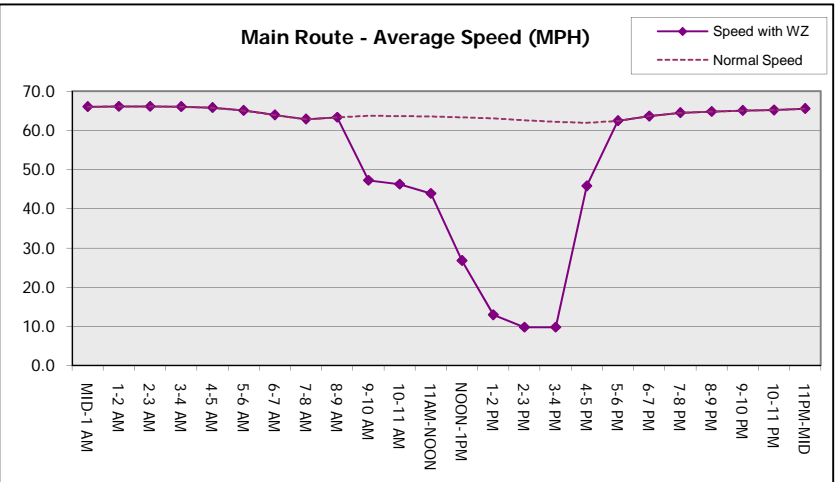
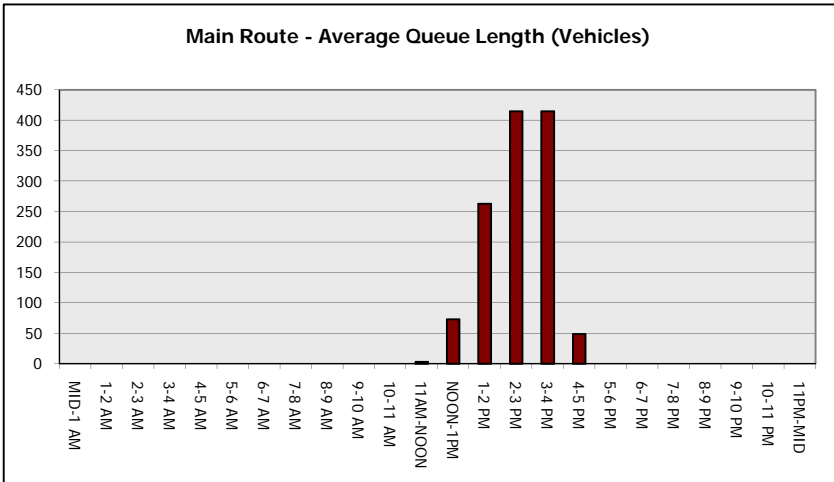
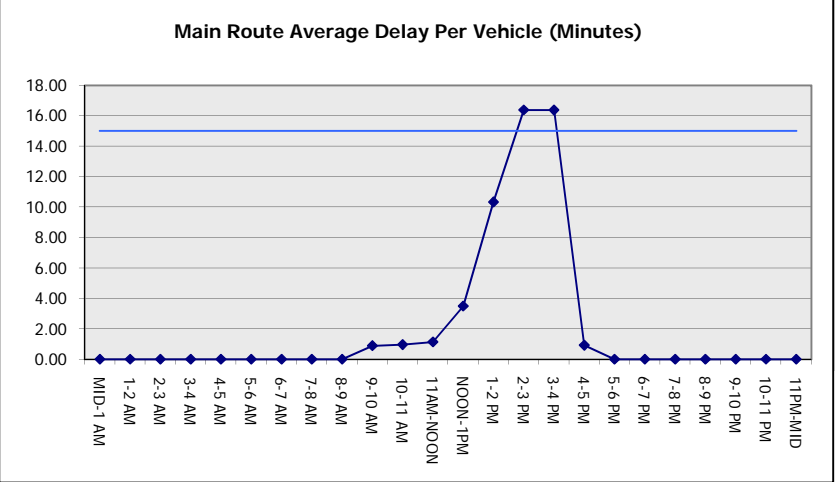
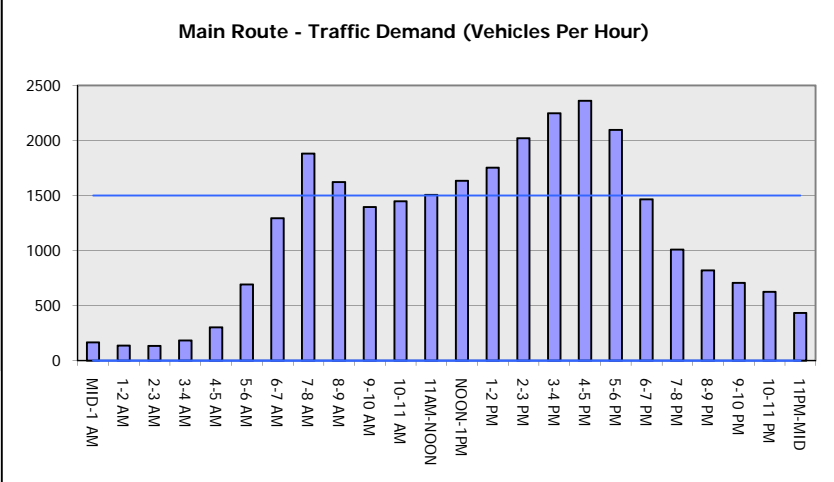
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0120
MAIN ROUTE WITH WORKS	0.0108
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$21,448
CONGESTED HOURS PER DAY*	2

*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	186	0.0	OFF	186	0	0.00	0	66.0	66.0	66.0	
1-2 AM	146	0.0	OFF	146	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	163	0.0	OFF	163	0	0.00	0	66.1	66.1	66.1	
4-5 AM	234	0.0	OFF	234	0	0.00	0	66.0	66.0	66.0	
5-6 AM	633	0.0	OFF	633	0	0.00	0	65.2	65.2	65.2	
6-7 AM	1214	0.0	OFF	1214	0	0.00	0	64.1	64.1	64.1	
7-8 AM	1748	0.0	OFF	1748	0	0.00	0	63.2	63.2	63.2	
8-9 AM	1387	0.0	OFF	1387	0	0.00	0	63.8	63.8	63.8	
9-10 AM	1400	0.0	1499	1400	0	0.90	0	63.8	47.2	33.0	
10-11 AM	1514	0.0	1499	1514	0	1.18	4	63.6	43.4	30.9	
11AM-NOON	1588	0.0	1500	1588	0	3.05	58	63.4	28.9	30.8	
NOON-1PM	1670	0.0	1500	1670	0	7.58	184	63.3	16.0	30.8	
1-2 PM	1830	0.0	1500	1644	187	15.07+	382	63.0	10.2	30.8	
2-3 PM	2008	0.0	1499	1500	509	16.38+	415	62.7	9.7	30.8	
3-4 PM	2141	0.0	1500	1500	642	16.38+	415	62.4	9.7	30.8	
4-5 PM	2339	0.0	OFF	2339	0	0.97	53	62.0	45.3	45.3	
5-6 PM	2348	0.0	OFF	2348	0	0.00	0	62.0	62.0	62.0	
6-7 PM	1953	0.0	OFF	1953	0	0.00	0	62.7	62.7	62.7	
7-8 PM	1549	0.0	OFF	1549	0	0.00	0	63.5	63.5	63.5	
8-9 PM	1188	0.0	OFF	1188	0	0.00	0	64.1	64.1	64.1	
9-10 PM	875	0.0	OFF	875	0	0.00	0	64.8	64.8	64.8	
10-11 PM	616	0.0	OFF	616	0	0.00	0	65.3	65.3	65.3	
11PM-MID	441	0.0	OFF	441	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	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	0.0126
MAIN ROUTE WITH WORKS	0.0113
'DIVERSION'	0.0013

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$25,331
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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