

USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY) NIGHTTIME 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	172	0.0	1500	172	0	0.44	0	66.1	57.1	44.8
1-2 AM	129	0.0	1500	129	0	0.43	0	66.1	57.3	45.0
2-3 AM	132	0.0	1500	132	0	0.44	0	66.1	57.3	45.0
3-4 AM	161	0.0	1500	161	0	0.44	0	66.1	57.2	44.8
4-5 AM	311	0.0	1500	311	0	0.45	0	65.8	56.7	44.2
5-6 AM	773	0.0	OFF	773	0	0.00	0	65.0	65.0	65.0
6-7 AM	1584	0.0	OFF	1584	0	0.00	0	63.4	63.4	63.4
7-8 AM	2195	0.0	OFF	2195	0	0.00	0	62.3	62.3	62.3
8-9 AM	1786	0.0	OFF	1786	0	0.00	0	63.0	63.0	63.0
9-10 AM	1466	0.0	OFF	1466	0	0.00	0	63.7	63.7	63.7
10-11 AM	1437	0.0	OFF	1437	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1469	0.0	OFF	1469	0	0.00	0	63.7	63.7	63.7
NOON-1PM	1518	0.0	OFF	1518	0	0.00	0	63.5	63.5	63.5
1-2 PM	1643	0.0	OFF	1643	0	0.00	0	63.3	63.3	63.3
2-3 PM	1820	0.0	OFF	1820	0	0.00	0	63.0	63.0	63.0
3-4 PM	2063	0.0	OFF	2063	0	0.00	0	62.5	62.5	62.5
4-5 PM	2330	0.0	OFF	2330	0	0.00	0	62.0	62.0	62.0
5-6 PM	2076	0.0	OFF	2076	0	0.00	0	62.5	62.5	62.5
6-7 PM	1282	0.0	OFF	1282	0	0.00	0	64.0	64.0	64.0
7-8 PM	935	0.0	1500	935	0	0.51	0	64.6	54.8	41.9
8-9 PM	844	0.0	1500	844	0	0.50	0	64.8	55.1	42.2
9-10 PM	666	0.0	1500	666	0	0.49	0	65.1	55.6	42.9
10-11 PM	508	0.0	1500	508	0	0.47	0	65.5	56.1	43.5
11PM-MID	291	0.0	1500	291	0	0.45	0	65.8	56.8	44.3

"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

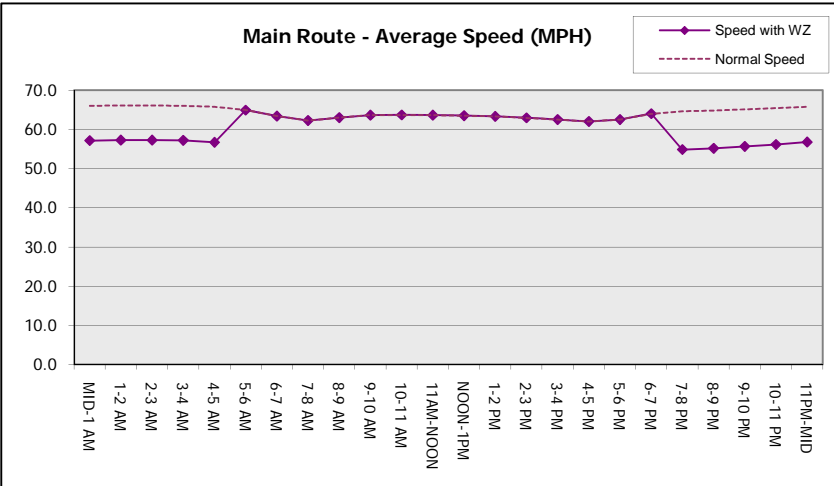
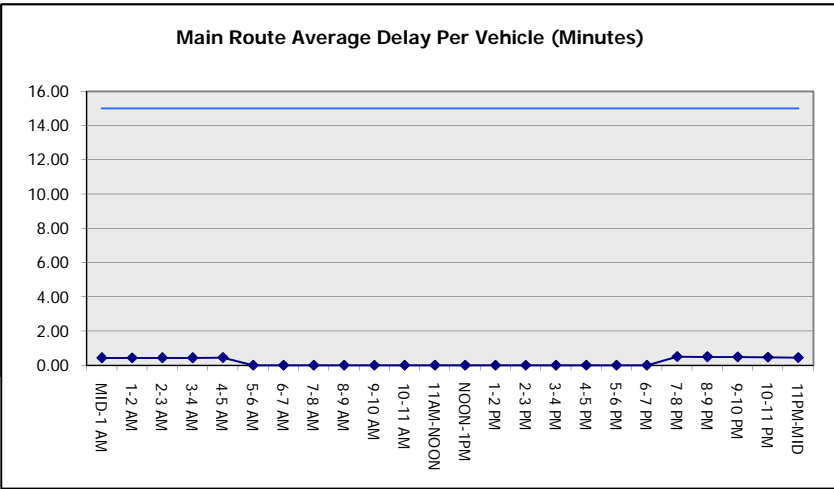
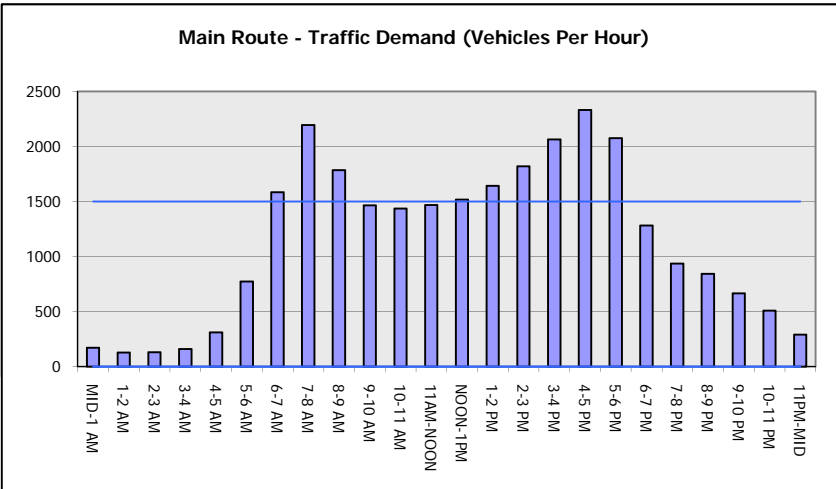
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0136
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$413
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

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



USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

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	188	0.0	1500	188	0	0.44	0	66.0	57.1	44.7
1-2 AM	132	0.0	1500	132	0	0.44	0	66.1	57.3	45.0
2-3 AM	112	0.0	1500	112	0	0.43	0	66.2	57.3	45.0
3-4 AM	153	0.0	1500	153	0	0.44	0	66.1	57.2	44.9
4-5 AM	261	0.0	1500	261	0	0.45	0	65.9	56.9	44.5
5-6 AM	790	0.0	OFF	790	0	0.00	0	64.9	64.9	64.9
6-7 AM	1569	0.0	OFF	1569	0	0.00	0	63.5	63.5	63.5
7-8 AM	2413	0.0	OFF	2413	0	0.00	0	61.8	61.8	61.8
8-9 AM	1686	0.0	OFF	1686	0	0.00	0	63.2	63.2	63.2
9-10 AM	1542	0.0	OFF	1542	0	0.00	0	63.5	63.5	63.5
10-11 AM	1577	0.0	OFF	1577	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1654	0.0	OFF	1654	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1705	0.0	OFF	1705	0	0.00	0	63.2	63.2	63.2
1-2 PM	1734	0.0	OFF	1734	0	0.00	0	63.2	63.2	63.2
2-3 PM	1952	0.0	OFF	1952	0	0.00	0	62.7	62.7	62.7
3-4 PM	2336	0.0	OFF	2336	0	0.00	0	62.0	62.0	62.0
4-5 PM	2600	0.0	OFF	2600	0	0.00	0	59.9	59.9	59.9
5-6 PM	2433	0.0	OFF	2433	0	0.00	0	61.6	61.6	61.6
6-7 PM	1603	0.0	OFF	1603	0	0.00	0	63.4	63.4	63.4
7-8 PM	1091	0.0	1500	1091	0	0.53	0	64.3	54.4	41.4
8-9 PM	938	0.0	1500	938	0	0.51	0	64.6	54.8	41.9
9-10 PM	756	0.0	1500	756	0	0.50	0	65.0	55.4	42.5
10-11 PM	489	0.0	1500	489	0	0.47	0	65.5	56.2	43.5
11PM-MID	357	0.0	1500	357	0	0.46	0	65.7	56.6	44.0

"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	0.0148
MAIN ROUTE WITH WORKS	0.0145
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$456
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

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

