

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) NIGHTTIME 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	235	0.0	1500	235	0	0.45	0	66.0	60.3	44.5
1-2 AM	162	0.0	1500	162	0	0.44	0	66.1	60.5	44.8
2-3 AM	189	0.0	1500	189	0	0.44	0	66.0	60.4	44.7
3-4 AM	217	0.0	1500	217	0	0.44	0	66.0	60.3	44.6
4-5 AM	341	0.0	1500	341	0	0.46	0	65.8	60.0	44.2
5-6 AM	757	0.0	OFF	757	0	0.00	0	65.0	65.0	65.0
6-7 AM	1601	0.0	OFF	1601	0	0.00	0	63.4	63.4	63.4
7-8 AM	2286	0.0	OFF	2286	0	0.00	0	62.1	62.1	62.1
8-9 AM	1949	0.0	OFF	1949	0	0.00	0	62.8	62.8	62.8
9-10 AM	1589	0.0	OFF	1589	0	0.00	0	63.4	63.4	63.4
10-11 AM	1645	0.0	OFF	1645	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1752	0.0	OFF	1752	0	0.00	0	63.1	63.1	63.1
NOON-1PM	1915	0.0	OFF	1915	0	0.00	0	62.8	62.8	62.8
1-2 PM	2126	0.0	OFF	2126	0	0.00	0	62.4	62.4	62.4
2-3 PM	2378	0.0	OFF	2378	0	0.00	0	62.0	62.0	62.0
3-4 PM	2591	0.0	OFF	2591	0	0.00	0	60.0	60.0	60.0
4-5 PM	2806	0.0	OFF	2806	0	0.00	0	57.8	57.8	57.8
5-6 PM	2550	0.0	OFF	2550	0	0.00	0	60.4	60.4	60.4
6-7 PM	1761	0.0	OFF	1761	0	0.00	0	63.1	63.1	63.1
7-8 PM	1202	0.0	1500	1202	0	0.64	0	64.1	56.7	38.4
8-9 PM	995	0.0	1500	995	0	0.52	0	64.5	58.2	41.7
9-10 PM	980	0.0	1500	980	0	0.52	0	64.6	58.3	41.7
10-11 PM	790	0.0	1500	790	0	0.50	0	64.9	58.8	42.4
11PM-MID	493	0.0	1500	493	0	0.47	0	65.5	59.6	43.5

"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

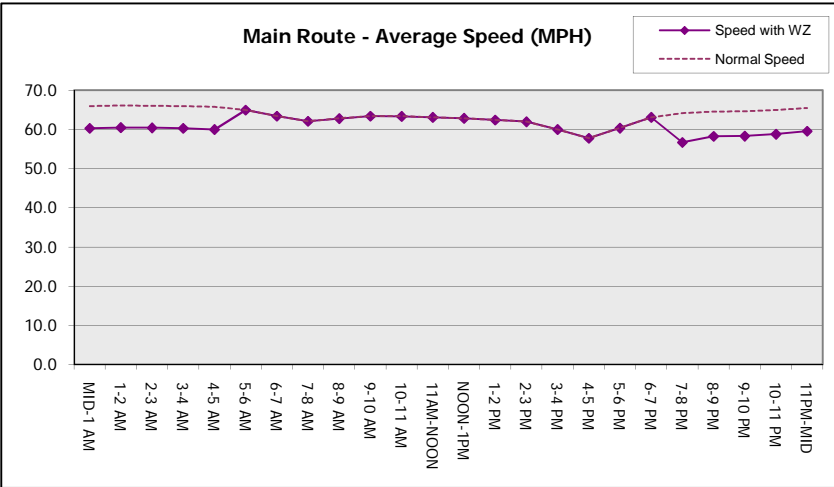
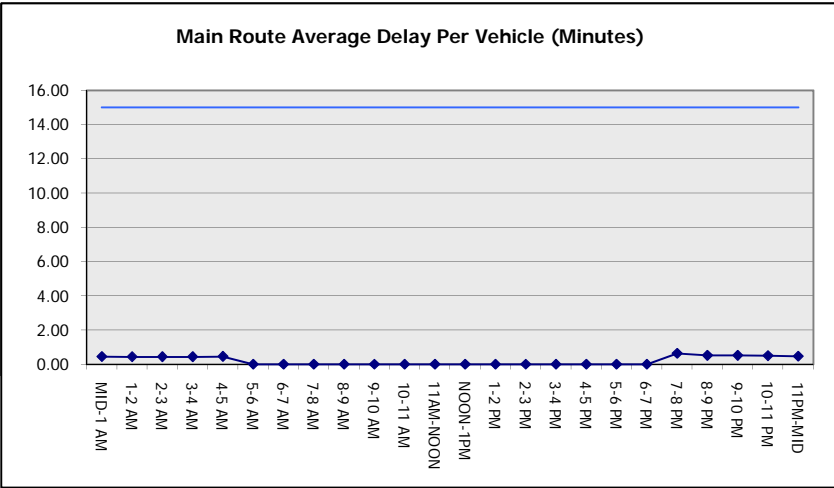
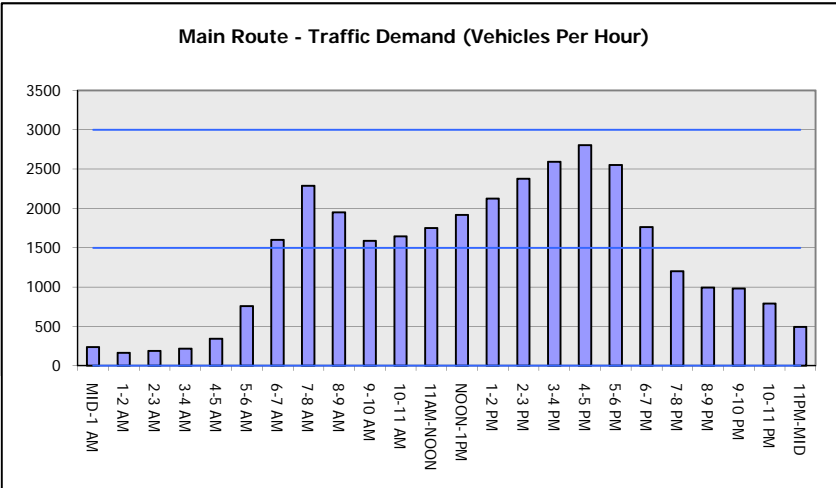
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0276
MAIN ROUTE WITH WORKS	0.0272
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$707
CONGESTED HOURS PER DAY*	0

*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	252	0.0	1500	252	0	0.45	0	65.9	60.2	44.5
1-2 AM	202	0.0	1500	202	0	0.44	0	66.0	60.4	44.6
2-3 AM	175	0.0	1500	175	0	0.44	0	66.1	60.4	44.8
3-4 AM	164	0.0	1500	164	0	0.44	0	66.1	60.5	44.8
4-5 AM	300	0.0	1500	300	0	0.45	0	65.8	60.1	44.3
5-6 AM	808	0.0	OFF	808	0	0.00	0	64.9	64.9	64.9
6-7 AM	1523	0.0	OFF	1523	0	0.00	0	63.5	63.5	63.5
7-8 AM	2483	0.0	OFF	2483	0	0.00	0	61.0	61.0	61.0
8-9 AM	1826	0.0	OFF	1826	0	0.00	0	63.0	63.0	63.0
9-10 AM	1747	0.0	OFF	1747	0	0.00	0	63.2	63.2	63.2
10-11 AM	1894	0.0	OFF	1894	0	0.00	0	62.8	62.8	62.8
11AM-NOON	1985	0.0	OFF	1985	0	0.00	0	62.7	62.7	62.7
NOON-1PM	2133	0.0	OFF	2133	0	0.00	0	62.4	62.4	62.4
1-2 PM	2233	0.0	OFF	2233	0	0.00	0	62.2	62.2	62.2
2-3 PM	2478	0.0	OFF	2478	0	0.00	0	61.1	61.1	61.1
3-4 PM	2794	0.0	OFF	2794	0	0.00	0	57.9	57.9	57.9
4-5 PM	2984	0.0	OFF	2984	0	0.00	0	56.0	56.0	56.0
5-6 PM	2856	0.0	OFF	2856	0	0.00	0	57.3	57.3	57.3
6-7 PM	2236	0.0	OFF	2236	0	0.00	0	62.2	62.2	62.2
7-8 PM	1780	0.0	1499	1780	0	6.61	166	63.1	27.0	30.8
8-9 PM	1382	0.0	1499	1382	0	10.00	244	63.8	20.9	30.8
9-10 PM	1018	0.0	1500	1018	0	1.40	32	64.5	50.0	40.2
10-11 PM	781	0.0	1500	781	0	0.50	0	65.0	58.8	42.5
11PM-MID	623	0.0	1500	623	0	0.48	0	65.2	59.2	43.0

"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	0.0303
MAIN ROUTE WITH WORKS	0.0299
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,790
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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