

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

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	202	0.0	1500	202	0	0.44	0	66.0	60.4	44.6	
1-2 AM	145	0.0	1500	145	0	0.44	0	66.1	60.5	44.9	
2-3 AM	148	0.0	1500	148	0	0.44	0	66.1	60.5	44.9	
3-4 AM	175	0.0	1500	175	0	0.44	0	66.1	60.4	44.8	
4-5 AM	341	0.0	1500	341	0	0.46	0	65.8	60.0	44.2	
5-6 AM	818	0.0	OFF	818	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1679	0.0	OFF	1679	0	0.00	0	63.3	63.3	63.3	
7-8 AM	2364	0.0	OFF	2364	0	0.00	0	62.0	62.0	62.0	
8-9 AM	1903	0.0	OFF	1903	0	0.00	0	62.8	62.8	62.8	
9-10 AM	1533	0.0	OFF	1533	0	0.00	0	63.5	63.5	63.5	
10-11 AM	1498	0.0	OFF	1498	0	0.00	0	63.6	63.6	63.6	
11AM-NOON	1554	0.0	OFF	1554	0	0.00	0	63.5	63.5	63.5	
NOON-1PM	1622	0.0	OFF	1622	0	0.00	0	63.3	63.3	63.3	
1-2 PM	1801	0.0	OFF	1801	0	0.00	0	63.0	63.0	63.0	
2-3 PM	2000	0.0	OFF	2000	0	0.00	0	62.7	62.7	62.7	
3-4 PM	2208	0.0	OFF	2208	0	0.00	0	62.3	62.3	62.3	
4-5 PM	2546	0.0	OFF	2546	0	0.00	0	60.4	60.4	60.4	
5-6 PM	2331	0.0	OFF	2331	0	0.00	0	62.0	62.0	62.0	
6-7 PM	1446	0.0	OFF	1446	0	0.00	0	63.7	63.7	63.7	
7-8 PM	1056	0.0	1500	1056	0	0.52	0	64.4	58.1	41.5	
8-9 PM	952	0.0	1500	952	0	0.51	0	64.6	58.4	41.9	
9-10 PM	816	0.0	1500	816	0	0.50	0	64.9	58.7	42.4	
10-11 PM	626	0.0	1500	626	0	0.48	0	65.2	59.2	43.0	
11PM-MID	343	0.0	1500	343	0	0.46	0	65.8	60.0	44.1	

"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

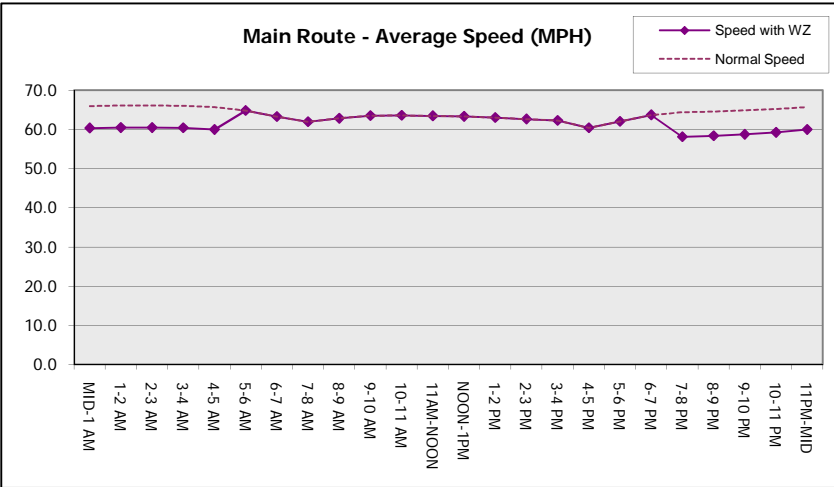
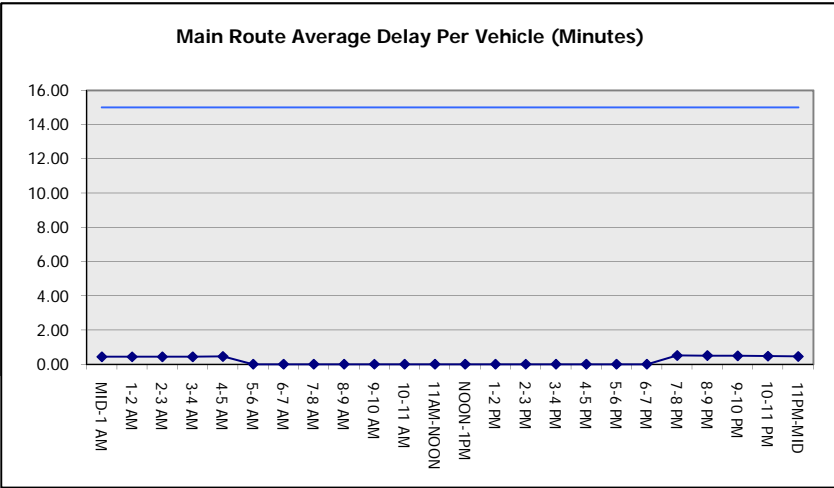
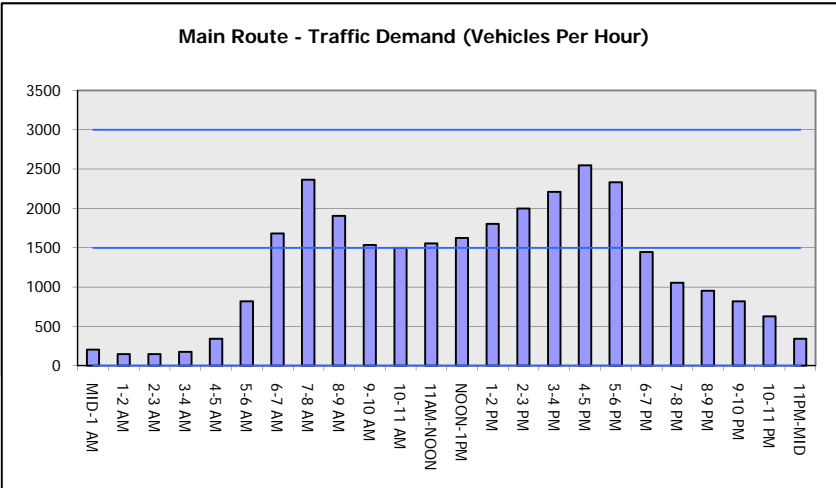
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0249
MAIN ROUTE WITH WORKS	0.0246
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$489
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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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	196	0.0	1500	196	0	0.44	0	66.0	60.4	44.7
1-2 AM	140	0.0	1500	140	0	0.44	0	66.1	60.5	44.9
2-3 AM	121	0.0	1500	121	0	0.43	0	66.1	60.5	45.0
3-4 AM	147	0.0	1500	147	0	0.44	0	66.1	60.5	44.9
4-5 AM	290	0.0	1500	290	0	0.45	0	65.8	60.1	44.3
5-6 AM	823	0.0	OFF	823	0	0.00	0	64.8	64.8	64.8
6-7 AM	1543	0.0	OFF	1543	0	0.00	0	63.5	63.5	63.5
7-8 AM	2475	0.0	OFF	2475	0	0.00	0	61.2	61.2	61.2
8-9 AM	1752	0.0	OFF	1752	0	0.00	0	63.1	63.1	63.1
9-10 AM	1539	0.0	OFF	1539	0	0.00	0	63.5	63.5	63.5
10-11 AM	1572	0.0	OFF	1572	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1655	0.0	OFF	1655	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1700	0.0	OFF	1700	0	0.00	0	63.2	63.2	63.2
1-2 PM	1729	0.0	OFF	1729	0	0.00	0	63.2	63.2	63.2
2-3 PM	1948	0.0	OFF	1948	0	0.00	0	62.8	62.8	62.8
3-4 PM	2346	0.0	OFF	2346	0	0.00	0	62.0	62.0	62.0
4-5 PM	2591	0.0	OFF	2591	0	0.00	0	60.0	60.0	60.0
5-6 PM	2354	0.0	OFF	2354	0	0.00	0	62.0	62.0	62.0
6-7 PM	1555	0.0	OFF	1555	0	0.00	0	63.5	63.5	63.5
7-8 PM	1032	0.0	1500	1032	0	0.52	0	64.5	58.2	41.5
8-9 PM	918	0.0	1500	918	0	0.51	0	64.6	58.5	42.0
9-10 PM	751	0.0	1500	751	0	0.50	0	65.0	58.9	42.5
10-11 PM	527	0.0	1500	527	0	0.47	0	65.4	59.5	43.4
11PM-MID	388	0.0	1500	388	0	0.46	0	65.6	59.9	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	0.0249
MAIN ROUTE WITH WORKS	0.0246
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$457
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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