

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) NIGHTTIME 2 LANE 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	251	0.0	1500	251	0	0.50	0	70.2	49.4	44.5
1-2 AM	179	0.0	1500	179	0	0.49	0	70.2	49.6	44.8
2-3 AM	184	0.0	1500	184	0	0.49	0	70.2	49.6	44.8
3-4 AM	216	0.0	1500	216	0	0.50	0	70.2	49.5	44.6
4-5 AM	424	0.0	1500	424	0	0.52	0	70.2	48.7	43.8
5-6 AM	1016	0.0	OFF	1016	0	0.00	0	69.5	69.5	69.5
6-7 AM	2082	0.0	OFF	2082	0	0.00	0	68.1	68.1	68.1
7-8 AM	2932	0.0	OFF	2932	0	0.00	0	67.1	67.1	67.1
8-9 AM	2363	0.0	OFF	2363	0	0.00	0	67.8	67.8	67.8
9-10 AM	1902	0.0	OFF	1902	0	0.00	0	68.4	68.4	68.4
10-11 AM	1860	0.0	OFF	1860	0	0.00	0	68.4	68.4	68.4
11AM-NOON	1931	0.0	OFF	1931	0	0.00	0	68.3	68.3	68.3
NOON-1PM	2015	0.0	OFF	2015	0	0.00	0	68.2	68.2	68.2
1-2 PM	2238	0.0	OFF	2238	0	0.00	0	67.9	67.9	67.9
2-3 PM	2483	0.0	OFF	2483	0	0.00	0	67.6	67.6	67.6
3-4 PM	2742	0.0	OFF	2742	0	0.00	0	67.3	67.3	67.3
4-5 PM	3159	0.0	OFF	3159	0	0.00	0	66.8	66.8	66.8
5-6 PM	2895	0.0	OFF	2895	0	0.00	0	67.1	67.1	67.1
6-7 PM	1797	0.0	OFF	1797	0	0.00	0	68.5	68.5	68.5
7-8 PM	1314	0.0	1500	1314	0	0.85	0	69.1	40.6	35.1
8-9 PM	1183	0.0	1500	1183	0	0.68	0	69.2	44.3	39.0
9-10 PM	1014	0.0	1500	1014	0	0.59	0	69.5	46.7	41.6
10-11 PM	775	0.0	1500	775	0	0.56	0	69.7	47.5	42.5
11PM-MID	425	0.0	1500	425	0	0.52	0	70.2	48.7	43.8

"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

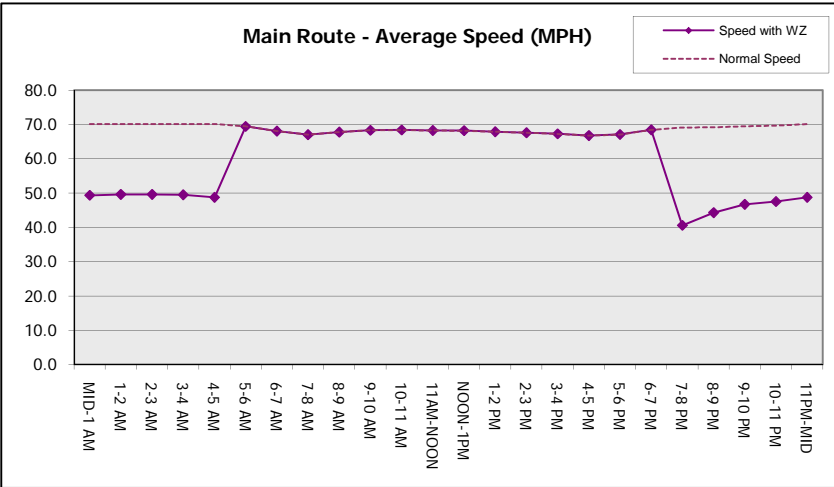
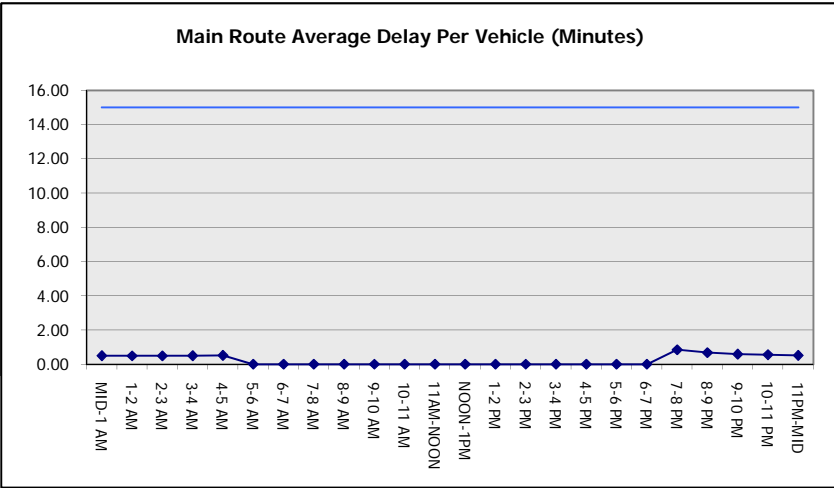
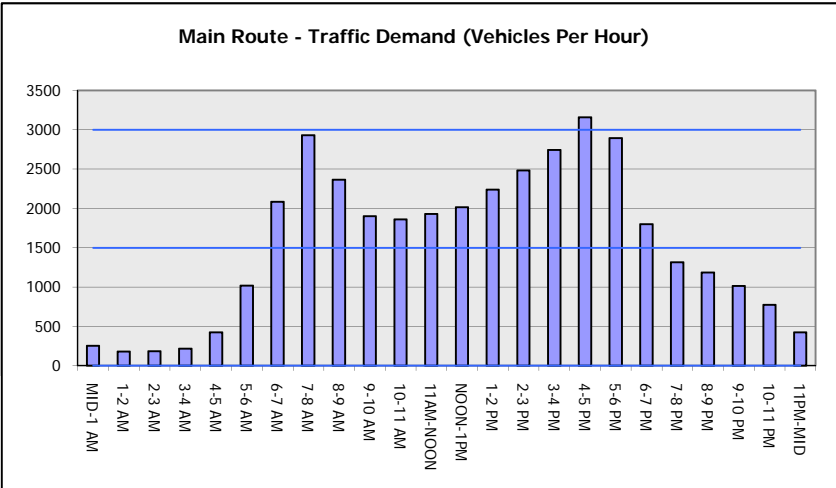
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0083
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$795
CONGESTED HOURS PER DAY*	0

*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	244	0.0	1500	244	0	0.50	0	70.2	49.4	44.5
1-2 AM	173	0.0	1500	173	0	0.49	0	70.2	49.7	44.8
2-3 AM	150	0.0	1500	150	0	0.49	0	70.2	49.7	44.9
3-4 AM	182	0.0	1500	182	0	0.49	0	70.2	49.6	44.8
4-5 AM	359	0.0	1500	359	0	0.52	0	70.2	49.0	44.0
5-6 AM	1021	0.0	OFF	1021	0	0.00	0	69.5	69.5	69.5
6-7 AM	1912	0.0	OFF	1912	0	0.00	0	68.4	68.4	68.4
7-8 AM	3067	0.0	OFF	3067	0	0.00	0	66.9	66.9	66.9
8-9 AM	2171	0.0	OFF	2171	0	0.00	0	68.1	68.1	68.1
9-10 AM	1908	0.0	OFF	1908	0	0.00	0	68.4	68.4	68.4
10-11 AM	1951	0.0	OFF	1951	0	0.00	0	68.3	68.3	68.3
11AM-NOON	2055	0.0	OFF	2055	0	0.00	0	68.2	68.2	68.2
NOON-1PM	2112	0.0	OFF	2112	0	0.00	0	68.1	68.1	68.1
1-2 PM	2147	0.0	OFF	2147	0	0.00	0	68.1	68.1	68.1
2-3 PM	2418	0.0	OFF	2418	0	0.00	0	67.8	67.8	67.8
3-4 PM	2910	0.0	OFF	2910	0	0.00	0	67.1	67.1	67.1
4-5 PM	3213	0.0	OFF	3213	0	0.00	0	66.8	66.8	66.8
5-6 PM	2920	0.0	OFF	2920	0	0.00	0	67.1	67.1	67.1
6-7 PM	1930	0.0	OFF	1930	0	0.00	0	68.3	68.3	68.3
7-8 PM	1280	0.0	1500	1280	0	0.81	0	69.1	41.4	36.1
8-9 PM	1139	0.0	1500	1139	0	0.63	0	69.3	45.6	40.5
9-10 PM	932	0.0	1500	932	0	0.58	0	69.6	47.0	41.9
10-11 PM	654	0.0	1500	654	0	0.55	0	69.9	47.9	42.9
11PM-MID	484	0.0	1500	484	0	0.53	0	70.1	48.6	43.6

"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	0.0083
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$724
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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