

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 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	291	0.0	3000	291	0	0.36	0	70.2	54.0	49.7
1-2 AM	201	0.0	3000	201	0	0.36	0	70.2	54.0	49.7
2-3 AM	236	0.0	3000	236	0	0.36	0	70.2	54.0	49.7
3-4 AM	270	0.0	3000	270	0	0.36	0	70.2	54.0	49.7
4-5 AM	423	0.0	3000	423	0	0.36	0	70.2	54.0	49.7
5-6 AM	939	0.0	3000	939	0	0.35	0	69.6	53.8	49.7
6-7 AM	1988	0.0	3000	1988	0	0.33	0	68.2	53.7	49.7
7-8 AM	2840	0.0	3000	2840	0	0.62	0	67.2	44.8	39.9
8-9 AM	2420	0.0	3000	2420	0	0.35	0	67.8	52.8	48.8
9-10 AM	1975	0.0	3000	1975	0	0.34	0	68.3	53.7	49.7
10-11 AM	2042	0.0	3000	2042	0	0.33	0	68.2	53.7	49.7
11AM-NOON	2176	0.0	3000	2176	0	0.33	0	68.0	53.6	49.7
NOON-1PM	2378	0.0	3000	2378	0	0.33	0	67.8	53.5	49.7
1-2 PM	2641	0.0	2999	2641	0	0.49	0	67.4	48.3	43.7
2-3 PM	2954	0.0	2999	2954	0	0.74	3	67.1	42.0	38.2
3-4 PM	3218	0.0	3000	3218	0	2.39	105	66.8	23.7	37.3
4-5 PM	3485	0.0	3000	3485	0	9.03	474	66.4	11.9	37.3
5-6 PM	3167	0.0	2999	3167	0	15.93+	839	66.8	9.5	37.3
6-7 PM	2188	0.0	2999	2188	0	9.03+	528	68.0	12.5	42.7
7-8 PM	1494	0.0	3000	1494	0	0.36	1	68.9	53.0	49.7
8-9 PM	1235	0.0	3000	1235	0	0.35	0	69.2	53.8	49.7
9-10 PM	1218	0.0	3000	1218	0	0.35	0	69.2	53.8	49.7
10-11 PM	981	0.0	3000	981	0	0.35	0	69.5	53.8	49.7
11PM-MID	613	0.0	3000	613	0	0.36	0	70.0	53.9	49.7

+ 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	0.0092
MAIN ROUTE WITH WORKS	0.0065
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$27,887
CONGESTED HOURS PER DAY*	2

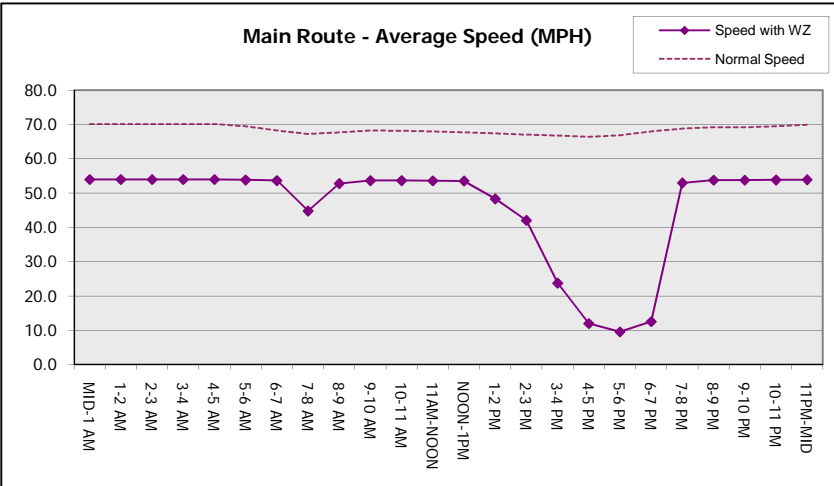
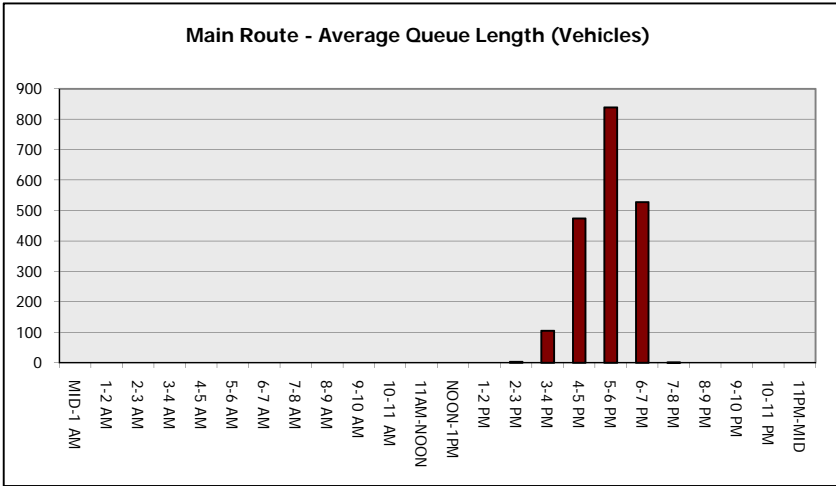
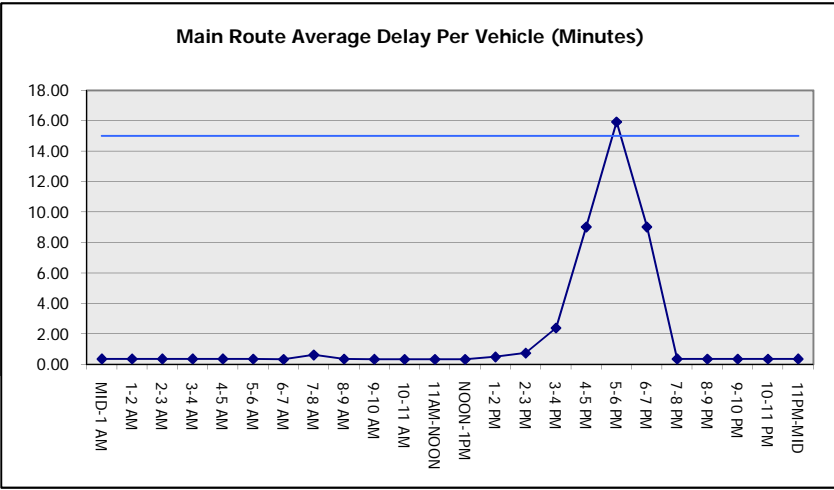
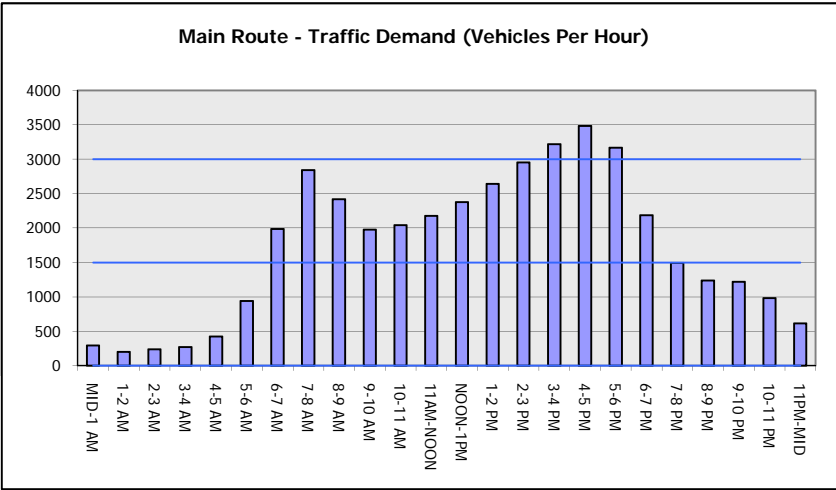
*Delays Exceeding User-Specified Maximum

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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	313	0.0	3000	313	0	0.36	0	70.2	54.0	49.7
1-2 AM	250	0.0	3000	250	0	0.36	0	70.2	54.0	49.7
2-3 AM	217	0.0	3000	217	0	0.36	0	70.2	54.0	49.7
3-4 AM	203	0.0	3000	203	0	0.36	0	70.2	54.0	49.7
4-5 AM	372	0.0	3000	372	0	0.36	0	70.2	54.0	49.7
5-6 AM	1004	0.0	3000	1004	0	0.35	0	69.5	53.8	49.7
6-7 AM	1892	0.0	2999	1892	0	0.34	0	68.4	53.7	49.7
7-8 AM	3083	0.0	2999	3083	0	1.21	29	66.9	34.0	37.3
8-9 AM	2268	0.0	3000	2268	0	0.40	5	67.9	51.2	49.4
9-10 AM	2170	0.0	3000	2170	0	0.33	0	68.1	53.6	49.7
10-11 AM	2352	0.0	3000	2352	0	0.33	0	67.8	53.6	49.7
11AM-NOON	2466	0.0	3000	2466	0	0.38	0	67.7	51.8	47.6
NOON-1PM	2649	0.0	3000	2649	0	0.50	0	67.4	48.1	43.5
1-2 PM	2773	0.0	2999	2773	0	0.58	0	67.3	45.9	41.0
2-3 PM	3077	0.0	2999	3077	0	1.04	20	66.9	36.6	37.3
3-4 PM	3470	0.0	3000	3470	0	5.65	297	66.4	15.0	37.3
4-5 PM	3707	0.0	3000	3355	352	15.50+	823	65.5	9.6	37.3
5-6 PM	3548	0.0	3000	3006	542	17.37+	918	66.3	9.3	37.3
6-7 PM	2776	0.0	2999	2776	0	16.02+	843	67.3	9.5	37.3
7-8 PM	2210	0.0	2999	2210	0	4.26	333	68.0	19.3	43.8
8-9 PM	1717	0.0	3000	1717	0	0.34	0	68.6	53.7	49.7
9-10 PM	1264	0.0	3000	1264	0	0.35	0	69.2	53.8	49.7
10-11 PM	970	0.0	3000	970	0	0.35	0	69.6	53.8	49.7
11PM-MID	774	0.0	3000	774	0	0.35	0	69.8	53.9	49.7

+ 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	0.0101
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0005

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$47,843
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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