

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	470	0.0	3000	470	0	0.36	0	70.2	54.0	49.7
1-2 AM	268	0.0	3000	268	0	0.36	0	70.2	54.0	49.7
2-3 AM	245	0.0	3000	245	0	0.36	0	70.2	54.0	49.7
3-4 AM	221	0.0	3000	221	0	0.36	0	70.2	54.0	49.7
4-5 AM	199	0.0	3000	199	0	0.36	0	70.2	54.0	49.7
5-6 AM	239	0.0	3000	239	0	0.36	0	70.2	54.0	49.7
6-7 AM	369	0.0	3000	369	0	0.36	0	70.2	54.0	49.7
7-8 AM	529	0.0	3000	529	0	0.36	0	70.0	54.0	49.7
8-9 AM	809	0.0	3000	809	0	0.35	0	69.7	53.9	49.7
9-10 AM	1301	0.0	3000	1301	0	0.35	0	69.1	53.8	49.7
10-11 AM	1748	0.0	3000	1748	0	0.34	0	68.6	53.7	49.7
11AM-NOON	2168	0.0	3000	2168	0	0.33	0	68.1	53.6	49.7
NOON-1PM	2316	0.0	3000	2316	0	0.33	0	67.9	53.6	49.7
1-2 PM	2450	0.0	3000	2450	0	0.37	0	67.7	52.2	48.1
2-3 PM	2694	0.0	3000	2694	0	0.53	0	67.4	47.3	42.5
3-4 PM	2946	0.0	2999	2946	0	0.69	0	67.1	43.2	38.1
4-5 PM	3088	0.0	2999	3088	0	1.54	48	66.9	30.0	37.3
5-6 PM	2818	0.0	2999	2818	0	1.08	32	67.3	36.0	39.6
6-7 PM	2519	0.0	3000	2519	0	0.41	0	67.6	50.7	46.3
7-8 PM	1737	0.0	3000	1737	0	0.34	0	68.6	53.7	49.7
8-9 PM	1142	0.0	3000	1142	0	0.35	0	69.3	53.8	49.7
9-10 PM	765	0.0	3000	765	0	0.35	0	69.8	53.9	49.7
10-11 PM	524	0.0	3000	524	0	0.36	0	70.1	54.0	49.7
11PM-MID	303	0.0	3000	303	0	0.36	0	70.2	54.0	49.7

----- 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	0.0071
MAIN ROUTE WITH WORKS	0.0050
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$4,830
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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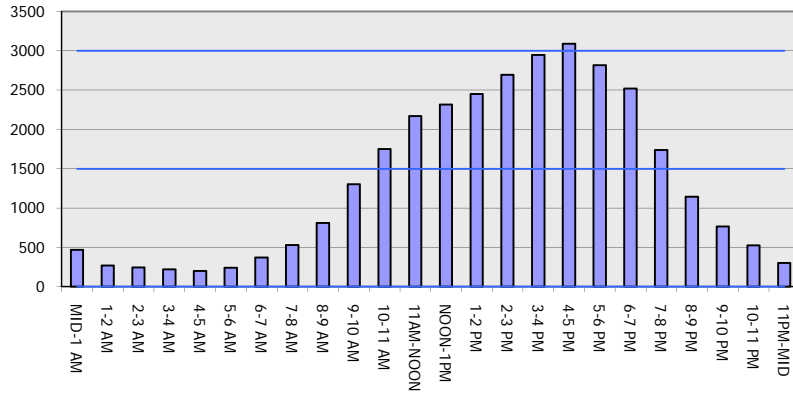
OCTOBER

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Construction Season

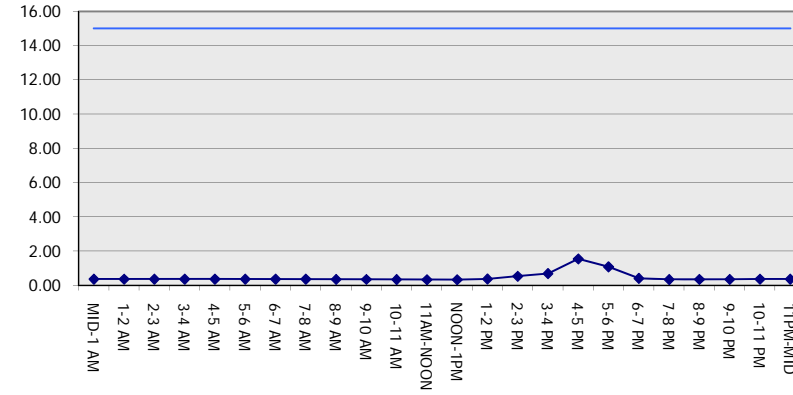
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION

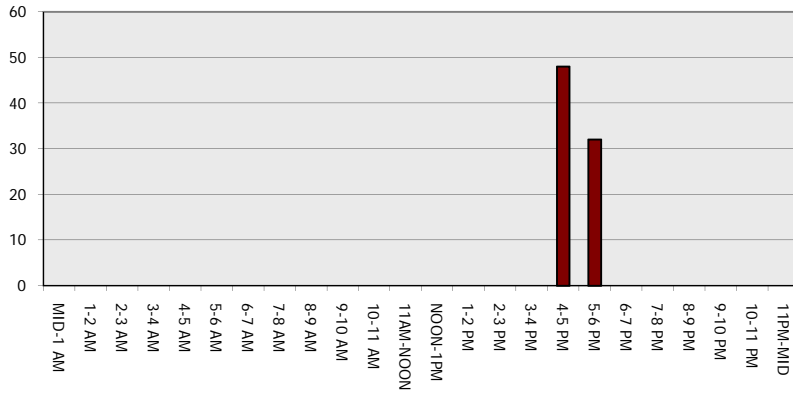
Main Route - Traffic Demand (Vehicles Per Hour)



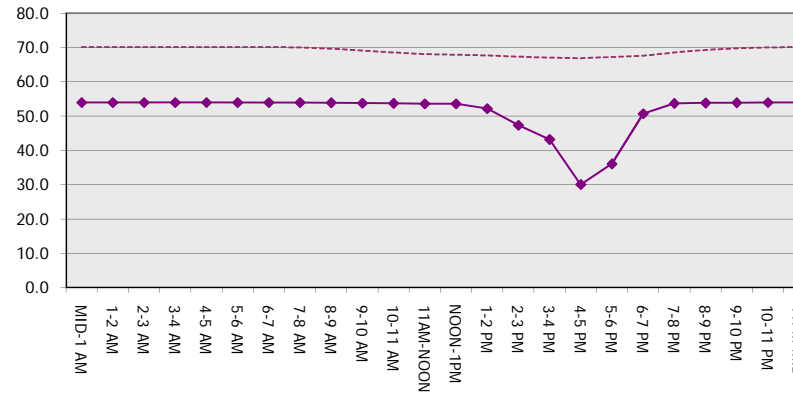
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	396	0.0	3000	396	0	0.36	0	70.2	54.0	49.7
1-2 AM	276	0.0	3000	276	0	0.36	0	70.2	54.0	49.7
2-3 AM	223	0.0	3000	223	0	0.36	0	70.2	54.0	49.7
3-4 AM	146	0.0	3000	146	0	0.36	0	70.2	54.0	49.7
4-5 AM	141	0.0	3000	141	0	0.36	0	70.2	54.0	49.7
5-6 AM	260	0.0	3000	260	0	0.36	0	70.2	54.0	49.7
6-7 AM	353	0.0	3000	353	0	0.36	0	70.2	54.0	49.7
7-8 AM	635	0.0	3000	635	0	0.36	0	69.9	53.9	49.7
8-9 AM	1322	0.0	3000	1322	0	0.35	0	69.1	53.8	49.7
9-10 AM	1993	0.0	3000	1993	0	0.33	0	68.2	53.7	49.7
10-11 AM	1923	0.0	3000	1923	0	0.34	0	68.4	53.7	49.7
11AM-NOON	2064	0.0	3000	2064	0	0.33	0	68.2	53.6	49.7
NOON-1PM	2198	0.0	3000	2198	0	0.33	0	68.0	53.6	49.7
1-2 PM	2027	0.0	3000	2027	0	0.33	0	68.2	53.7	49.7
2-3 PM	2088	0.0	3000	2088	0	0.33	0	68.1	53.6	49.7
3-4 PM	2197	0.0	3000	2197	0	0.33	0	68.0	53.6	49.7
4-5 PM	2188	0.0	3000	2188	0	0.33	0	68.0	53.6	49.7
5-6 PM	2103	0.0	3000	2103	0	0.33	0	68.1	53.6	49.7
6-7 PM	1854	0.0	3000	1854	0	0.34	0	68.4	53.7	49.7
7-8 PM	1551	0.0	3000	1551	0	0.34	0	68.8	53.7	49.7
8-9 PM	1111	0.0	3000	1111	0	0.35	0	69.4	53.8	49.7
9-10 PM	831	0.0	3000	831	0	0.35	0	69.7	53.9	49.7
10-11 PM	574	0.0	3000	574	0	0.36	0	70.0	53.9	49.7
11PM-MID	321	0.0	3000	321	0	0.36	0	70.2	54.0	49.7

----- 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	0.0064
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,539
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

