

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	280	0.0	3000	280	0	0.36	0	70.2	54.0	49.7	
1-2 AM	202	0.0	3000	202	0	0.36	0	70.2	54.0	49.7	
2-3 AM	202	0.0	3000	202	0	0.36	0	70.2	54.0	49.7	
3-4 AM	262	0.0	3000	262	0	0.36	0	70.2	54.0	49.7	
4-5 AM	496	0.0	3000	496	0	0.36	0	70.1	54.0	49.7	
5-6 AM	1164	0.0	3000	1164	0	0.35	0	69.3	53.8	49.7	
6-7 AM	2251	0.0	2999	2251	0	0.36	0	67.9	52.5	48.4	
7-8 AM	3056	0.0	2999	3056	0	1.12	23	66.9	35.3	37.3	
8-9 AM	2411	0.0	3000	2411	0	0.42	3	67.8	50.5	47.8	
9-10 AM	2096	0.0	3000	2096	0	0.33	0	68.1	53.6	49.7	
10-11 AM	2087	0.0	3000	2087	0	0.33	0	68.1	53.6	49.7	
11AM-NOON	2155	0.0	3000	2155	0	0.33	0	68.1	53.6	49.7	
NOON-1PM	2263	0.0	3000	2263	0	0.33	0	67.9	53.6	49.7	
1-2 PM	2496	0.0	3000	2496	0	0.40	0	67.6	51.2	46.9	
2-3 PM	2735	0.0	3000	2735	0	0.56	0	67.3	46.6	41.8	
3-4 PM	2912	0.0	2999	2912	0	0.67	0	67.1	43.7	38.7	
4-5 PM	3346	0.0	2999	3346	0	3.33	166	66.6	19.8	37.3	
5-6 PM	3115	0.0	2999	3115	0	8.79	445	66.9	11.9	37.3	
6-7 PM	1973	0.0	2999	1973	0	1.35	129	68.3	34.5	47.6	
7-8 PM	1423	0.0	3000	1423	0	0.34	0	69.0	53.8	49.7	
8-9 PM	1293	0.0	3000	1293	0	0.35	0	69.1	53.8	49.7	
9-10 PM	1112	0.0	3000	1112	0	0.35	0	69.4	53.8	49.7	
10-11 PM	880	0.0	3000	880	0	0.35	0	69.6	53.8	49.7	
11PM-MID	587	0.0	3000	587	0	0.36	0	70.0	53.9	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	0.0091
MAIN ROUTE WITH WORKS	0.0064
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

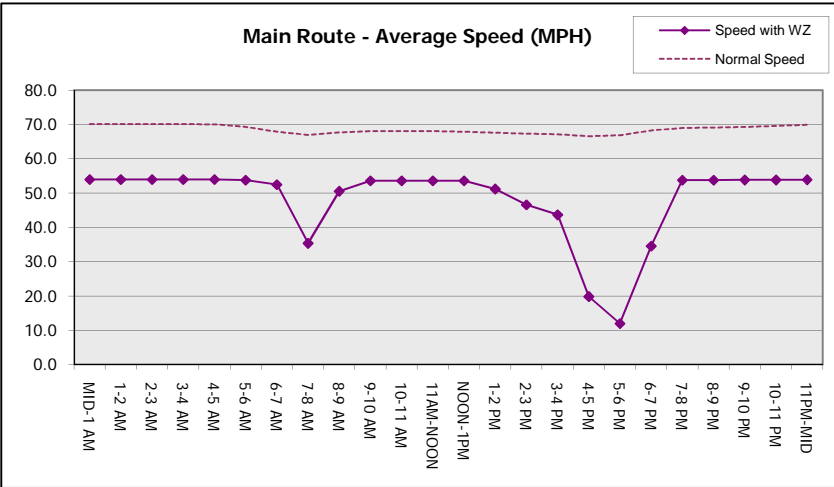
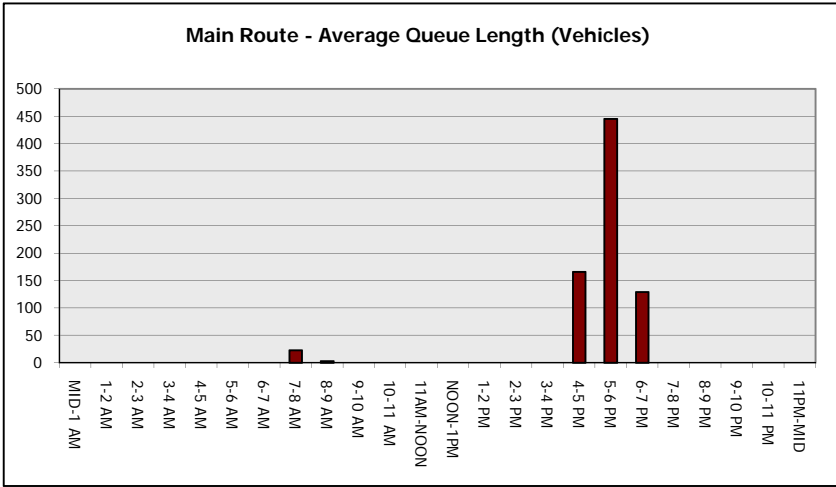
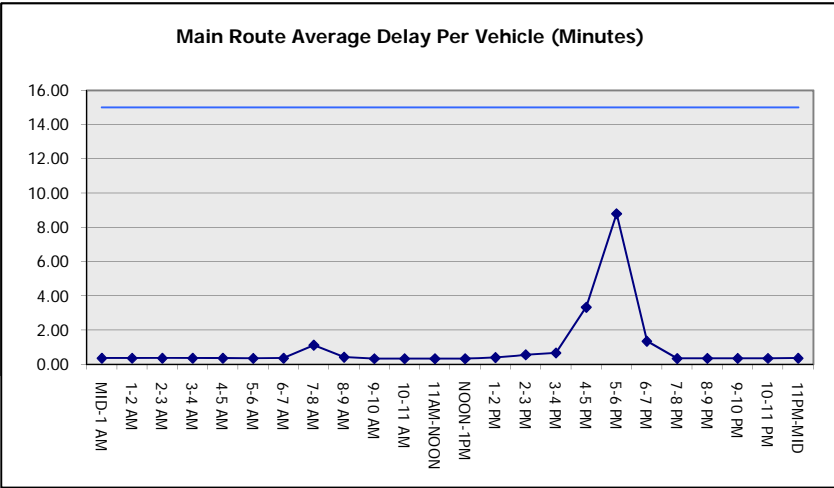
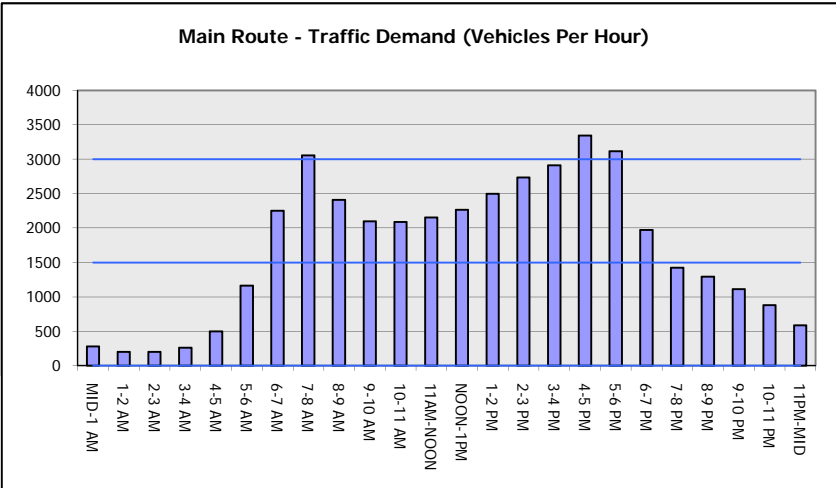
ROAD USER COSTS PER DAY	\$12,463
CONGESTED HOURS PER DAY*	0

*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	295	0.0	3000	295	0	0.36	0	70.2	54.0	49.7
1-2 AM	217	0.0	3000	217	0	0.36	0	70.2	54.0	49.7
2-3 AM	187	0.0	3000	187	0	0.36	0	70.2	54.0	49.7
3-4 AM	207	0.0	3000	207	0	0.36	0	70.2	54.0	49.7
4-5 AM	398	0.0	3000	398	0	0.36	0	70.2	54.0	49.7
5-6 AM	1116	0.0	3000	1116	0	0.35	0	69.4	53.8	49.7
6-7 AM	2010	0.0	2999	2010	0	0.33	0	68.2	53.7	49.7
7-8 AM	3132	0.0	2999	3132	0	1.64	56	66.8	29.0	37.3
8-9 AM	2312	0.0	3000	2312	0	0.52	15	67.9	47.7	48.4
9-10 AM	2135	0.0	3000	2135	0	0.33	0	68.1	53.6	49.7
10-11 AM	2251	0.0	3000	2251	0	0.33	0	67.9	53.6	49.7
11AM-NOON	2342	0.0	3000	2342	0	0.33	0	67.8	53.6	49.7
NOON-1PM	2319	0.0	3000	2319	0	0.33	0	67.9	53.6	49.7
1-2 PM	2413	0.0	3000	2413	0	0.35	0	67.8	53.0	49.0
2-3 PM	2708	0.0	2999	2708	0	0.54	0	67.4	47.1	42.4
3-4 PM	3164	0.0	2999	3164	0	1.54	55	66.8	30.1	37.3
4-5 PM	3567	0.0	3000	3567	0	8.31	443	66.3	12.5	37.3
5-6 PM	3306	0.0	2999	3154	153	16.61+	877	66.6	9.4	37.3
6-7 PM	2152	0.0	2999	2152	0	8.70+	519	68.1	12.8	42.9
7-8 PM	1454	0.0	3000	1454	0	0.35	0	68.9	53.5	49.7
8-9 PM	1224	0.0	3000	1224	0	0.35	0	69.2	53.8	49.7
9-10 PM	1009	0.0	3000	1009	0	0.35	0	69.5	53.8	49.7
10-11 PM	774	0.0	3000	774	0	0.35	0	69.8	53.9	49.7
11PM-MID	567	0.0	3000	567	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	0.0
(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	0
(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	0.0064
'DIVERSION'	0.0001

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$27,136
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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