

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

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	3000	251	0	0.36	0	70.2	54.0	49.7	
1-2 AM	179	0.0	3000	179	0	0.36	0	70.2	54.0	49.7	
2-3 AM	184	0.0	3000	184	0	0.36	0	70.2	54.0	49.7	
3-4 AM	216	0.0	3000	216	0	0.36	0	70.2	54.0	49.7	
4-5 AM	424	0.0	3000	424	0	0.36	0	70.2	54.0	49.7	
5-6 AM	1016	0.0	3000	1016	0	0.35	0	69.5	53.8	49.7	
6-7 AM	2082	0.0	3000	2082	0	0.33	0	68.1	53.6	49.7	
7-8 AM	2932	0.0	3000	2932	0	0.68	0	67.1	43.3	38.3	
8-9 AM	2363	0.0	3000	2363	0	0.33	0	67.8	53.5	49.7	
9-10 AM	1902	0.0	3000	1902	0	0.34	0	68.4	53.7	49.7	
10-11 AM	1860	0.0	3000	1860	0	0.34	0	68.4	53.7	49.7	
11AM-NOON	1931	0.0	3000	1931	0	0.34	0	68.3	53.7	49.7	
NOON-1PM	2015	0.0	3000	2015	0	0.33	0	68.2	53.7	49.7	
1-2 PM	2238	0.0	3000	2238	0	0.33	0	67.9	53.6	49.7	
2-3 PM	2483	0.0	3000	2483	0	0.39	0	67.6	51.4	47.2	
3-4 PM	2742	0.0	2999	2742	0	0.56	0	67.3	46.5	41.7	
4-5 PM	3159	0.0	2999	3159	0	1.93	74	66.8	26.6	37.3	
5-6 PM	2895	0.0	2999	2895	0	3.35	149	67.1	19.4	38.0	
6-7 PM	1797	0.0	3000	1797	0	0.36	1	68.5	53.0	49.7	
7-8 PM	1314	0.0	3000	1314	0	0.35	0	69.1	53.8	49.7	
8-9 PM	1183	0.0	3000	1183	0	0.35	0	69.2	53.8	49.7	
9-10 PM	1014	0.0	3000	1014	0	0.35	0	69.5	53.8	49.7	
10-11 PM	775	0.0	3000	775	0	0.35	0	69.7	53.9	49.7	
11PM-MID	425	0.0	3000	425	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

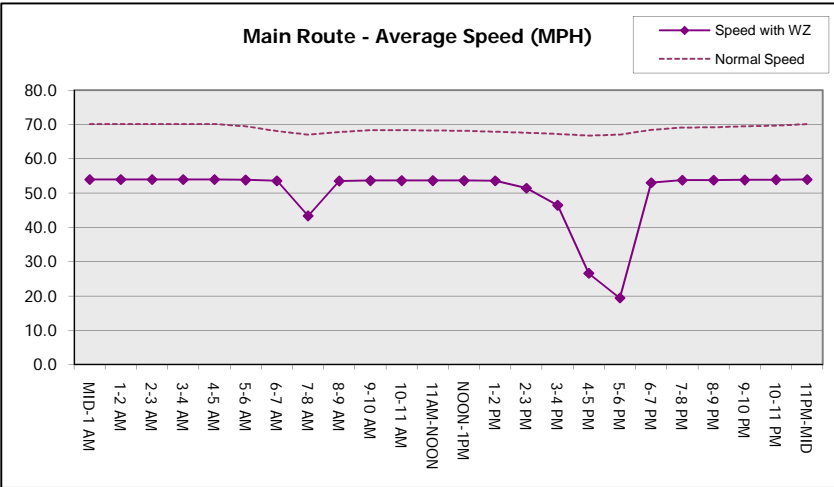
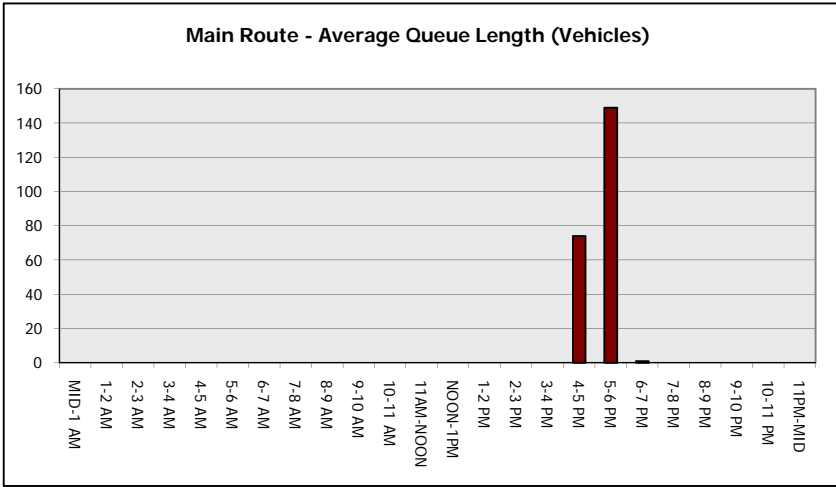
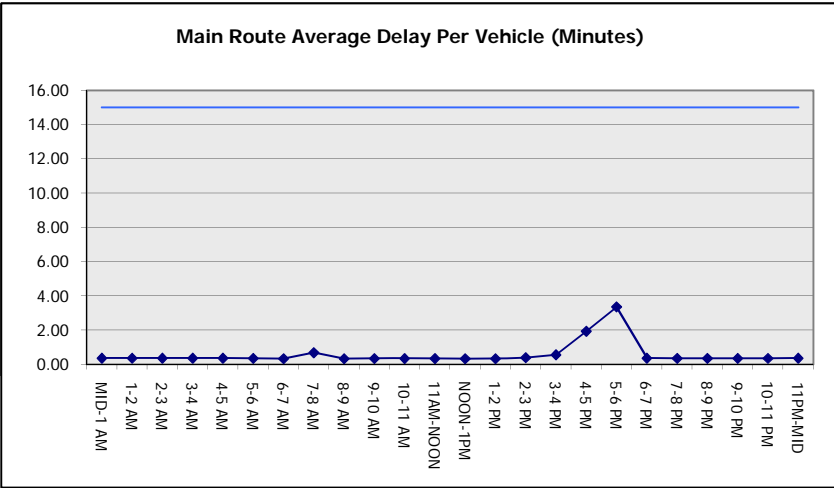
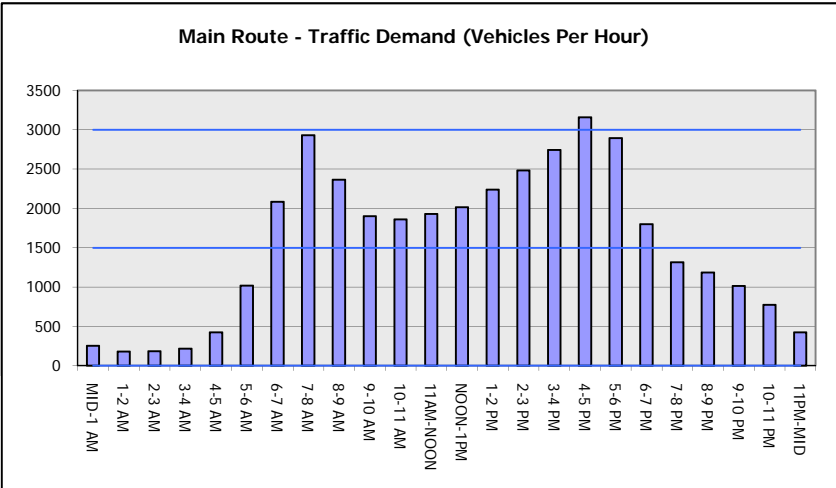
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0083
MAIN ROUTE WITH WORKS	0.0058
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,871
CONGESTED HOURS PER DAY*	0

*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	3000	244	0	0.36	0	70.2	54.0	49.7
1-2 AM	173	0.0	3000	173	0	0.36	0	70.2	54.0	49.7
2-3 AM	150	0.0	3000	150	0	0.36	0	70.2	54.0	49.7
3-4 AM	182	0.0	3000	182	0	0.36	0	70.2	54.0	49.7
4-5 AM	359	0.0	3000	359	0	0.36	0	70.2	54.0	49.7
5-6 AM	1021	0.0	3000	1021	0	0.35	0	69.5	53.8	49.7
6-7 AM	1912	0.0	2999	1912	0	0.34	0	68.4	53.7	49.7
7-8 AM	3067	0.0	2999	3067	0	1.15	25	66.9	34.9	37.3
8-9 AM	2171	0.0	3000	2171	0	0.37	3	68.1	52.2	49.7
9-10 AM	1908	0.0	3000	1908	0	0.34	0	68.4	53.7	49.7
10-11 AM	1951	0.0	3000	1951	0	0.34	0	68.3	53.7	49.7
11AM-NOON	2055	0.0	3000	2055	0	0.33	0	68.2	53.7	49.7
NOON-1PM	2112	0.0	3000	2112	0	0.33	0	68.1	53.6	49.7
1-2 PM	2147	0.0	3000	2147	0	0.33	0	68.1	53.6	49.7
2-3 PM	2418	0.0	2999	2418	0	0.37	0	67.8	52.2	48.1
3-4 PM	2910	0.0	2999	2910	0	0.68	1	67.1	43.3	38.8
4-5 PM	3213	0.0	3000	3213	0	2.52	110	66.8	23.0	37.3
5-6 PM	2920	0.0	2999	2920	0	4.65	217	67.1	16.2	37.3
6-7 PM	1930	0.0	3000	1930	0	0.45	10	68.3	50.1	49.7
7-8 PM	1280	0.0	3000	1280	0	0.35	0	69.1	53.8	49.7
8-9 PM	1139	0.0	3000	1139	0	0.35	0	69.3	53.8	49.7
9-10 PM	932	0.0	3000	932	0	0.35	0	69.6	53.8	49.7
10-11 PM	654	0.0	3000	654	0	0.36	0	69.9	53.9	49.7
11PM-MID	484	0.0	3000	484	0	0.36	0	70.1	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	0.0083
MAIN ROUTE WITH WORKS	0.0058
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,521
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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