

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

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	988	0.0	3000	988	0	0.35	0	69.5	53.8	49.7
1-2 AM	319	0.0	3000	319	0	0.36	0	70.2	54.0	49.7
2-3 AM	248	0.0	3000	248	0	0.36	0	70.2	54.0	49.7
3-4 AM	202	0.0	3000	202	0	0.36	0	70.2	54.0	49.7
4-5 AM	202	0.0	3000	202	0	0.36	0	70.2	54.0	49.7
5-6 AM	270	0.0	3000	270	0	0.36	0	70.2	54.0	49.7
6-7 AM	409	0.0	3000	409	0	0.36	0	70.2	54.0	49.7
7-8 AM	691	0.0	3000	691	0	0.36	0	69.9	53.9	49.7
8-9 AM	1186	0.0	3000	1186	0	0.35	0	69.2	53.8	49.7
9-10 AM	1787	0.0	3000	1787	0	0.34	0	68.5	53.7	49.7
10-11 AM	2448	0.0	3000	2448	0	0.37	0	67.7	52.2	48.1
11AM-NOON	2885	0.0	3000	2885	0	0.65	0	67.1	44.1	39.1
NOON-1PM	2960	0.0	3000	2960	0	0.70	0	67.1	42.9	37.9
1-2 PM	2970	0.0	3000	2970	0	0.71	0	67.1	42.8	37.7
2-3 PM	2933	0.0	3000	2933	0	0.68	0	67.1	43.3	38.3
3-4 PM	2971	0.0	3000	2971	0	0.71	0	67.1	42.8	37.7
4-5 PM	2830	0.0	3000	2830	0	0.62	0	67.2	45.0	40.1
5-6 PM	2552	0.0	3000	2552	0	0.44	0	67.6	50.0	45.6
6-7 PM	2148	0.0	3000	2148	0	0.33	0	68.1	53.6	49.7
7-8 PM	1697	0.0	3000	1697	0	0.34	0	68.6	53.7	49.7
8-9 PM	1235	0.0	3000	1235	0	0.35	0	69.2	53.8	49.7
9-10 PM	885	0.0	3000	885	0	0.35	0	69.6	53.8	49.7
10-11 PM	597	0.0	3000	597	0	0.36	0	70.0	53.9	49.7
11PM-MID	345	0.0	3000	345	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

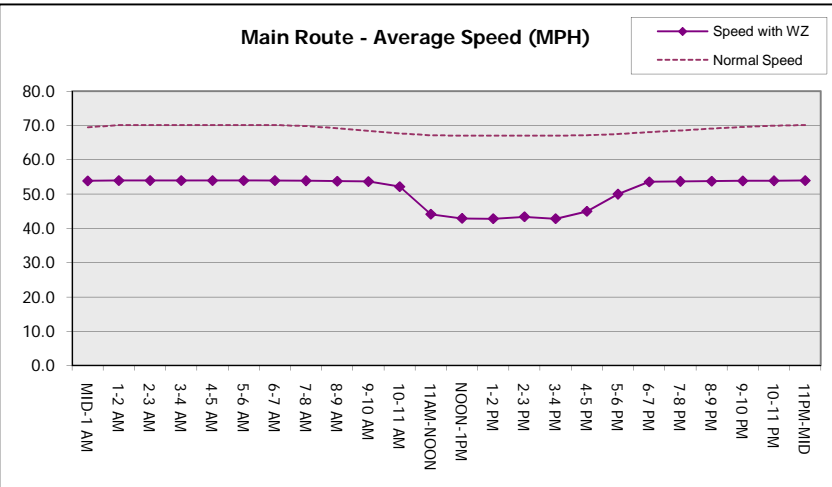
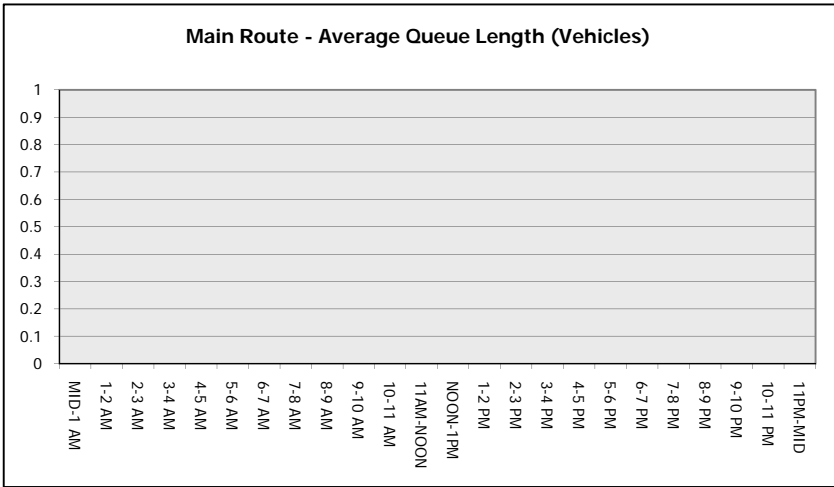
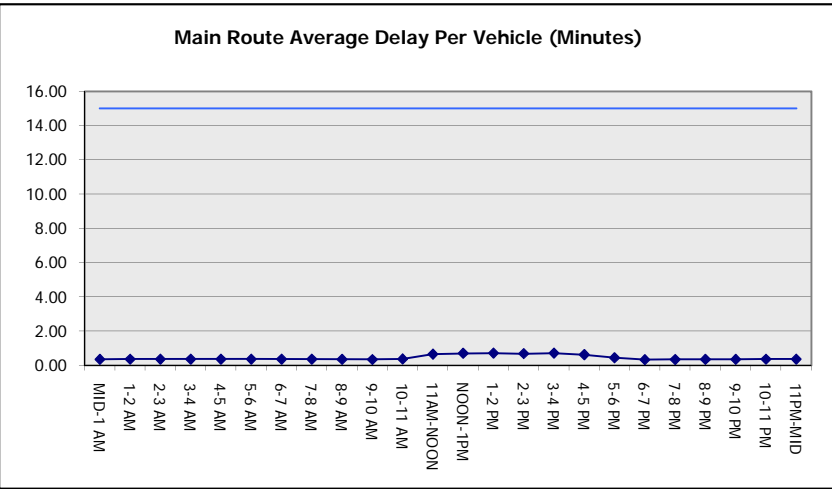
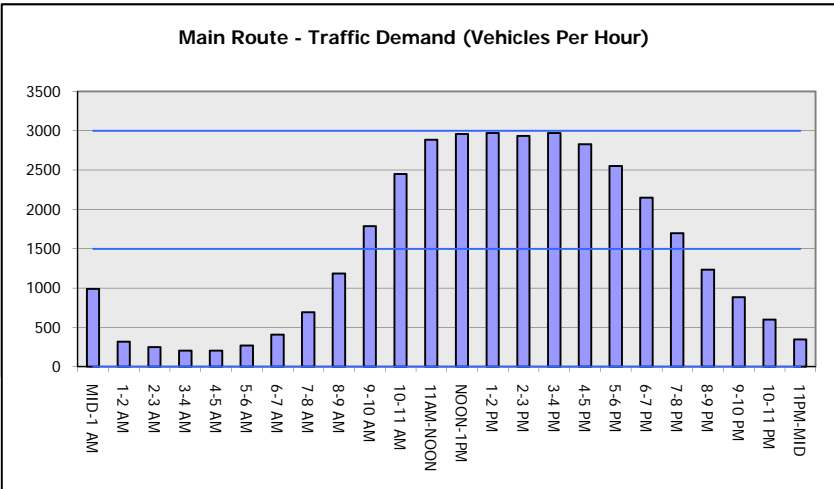
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0056
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,704
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	397	0.0	3000	397	0	0.36	0	70.2	54.0	49.7
1-2 AM	251	0.0	3000	251	0	0.36	0	70.2	54.0	49.7
2-3 AM	194	0.0	3000	194	0	0.36	0	70.2	54.0	49.7
3-4 AM	121	0.0	3000	121	0	0.36	0	70.2	54.0	49.7
4-5 AM	118	0.0	3000	118	0	0.36	0	70.2	54.0	49.7
5-6 AM	266	0.0	3000	266	0	0.36	0	70.2	54.0	49.7
6-7 AM	311	0.0	3000	311	0	0.36	0	70.2	54.0	49.7
7-8 AM	424	0.0	3000	424	0	0.36	0	70.2	54.0	49.7
8-9 AM	693	0.0	3000	693	0	0.36	0	69.9	53.9	49.7
9-10 AM	1093	0.0	3000	1093	0	0.35	0	69.4	53.8	49.7
10-11 AM	1694	0.0	3000	1694	0	0.34	0	68.6	53.7	49.7
11AM-NOON	2151	0.0	3000	2151	0	0.33	0	68.1	53.6	49.7
NOON-1PM	2322	0.0	3000	2322	0	0.33	0	67.9	53.6	49.7
1-2 PM	2424	0.0	3000	2424	0	0.35	0	67.8	52.7	48.7
2-3 PM	2435	0.0	3000	2435	0	0.36	0	67.7	52.5	48.4
3-4 PM	2395	0.0	3000	2395	0	0.33	0	67.8	53.3	49.4
4-5 PM	2438	0.0	3000	2438	0	0.36	0	67.7	52.4	48.4
5-6 PM	2289	0.0	3000	2289	0	0.33	0	67.9	53.6	49.7
6-7 PM	1997	0.0	3000	1997	0	0.33	0	68.2	53.7	49.7
7-8 PM	1624	0.0	3000	1624	0	0.34	0	68.7	53.7	49.7
8-9 PM	1414	0.0	3000	1414	0	0.34	0	69.0	53.8	49.7
9-10 PM	1151	0.0	3000	1151	0	0.35	0	69.3	53.8	49.7
10-11 PM	719	0.0	3000	719	0	0.36	0	69.9	53.9	49.7
11PM-MID	475	0.0	3000	475	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	0.0065
MAIN ROUTE WITH WORKS	0.0046
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,567
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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