

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) OFF-PEAK DAY 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	OFF	291	0	0.00	0	70.2	70.2	70.2
1-2 AM	201	0.0	OFF	201	0	0.00	0	70.2	70.2	70.2
2-3 AM	236	0.0	OFF	236	0	0.00	0	70.2	70.2	70.2
3-4 AM	270	0.0	OFF	270	0	0.00	0	70.2	70.2	70.2
4-5 AM	423	0.0	OFF	423	0	0.00	0	70.2	70.2	70.2
5-6 AM	939	0.0	OFF	939	0	0.00	0	69.6	69.6	69.6
6-7 AM	1988	0.0	OFF	1988	0	0.00	0	68.2	68.2	68.2
7-8 AM	2840	0.0	OFF	2840	0	0.00	0	67.2	67.2	67.2
8-9 AM	2420	0.0	OFF	2420	0	0.00	0	67.8	67.8	67.8
9-10 AM	1975	0.0	OFF	1975	0	0.00	0	68.3	68.3	68.3
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	OFF	3218	0	0.00	0	66.8	66.7	66.7
4-5 PM	3485	0.0	OFF	3485	0	0.00	0	66.4	66.4	66.4
5-6 PM	3167	0.0	OFF	3167	0	0.00	0	66.8	66.8	66.8
6-7 PM	2188	0.0	OFF	2188	0	0.00	0	68.0	68.0	68.0
7-8 PM	1494	0.0	OFF	1494	0	0.00	0	68.9	68.9	68.9
8-9 PM	1235	0.0	OFF	1235	0	0.00	0	69.2	69.2	69.2
9-10 PM	1218	0.0	OFF	1218	0	0.00	0	69.2	69.2	69.2
10-11 PM	981	0.0	OFF	981	0	0.00	0	69.5	69.5	69.5
11PM-MID	613	0.0	OFF	613	0	0.00	0	70.0	70.0	70.0

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

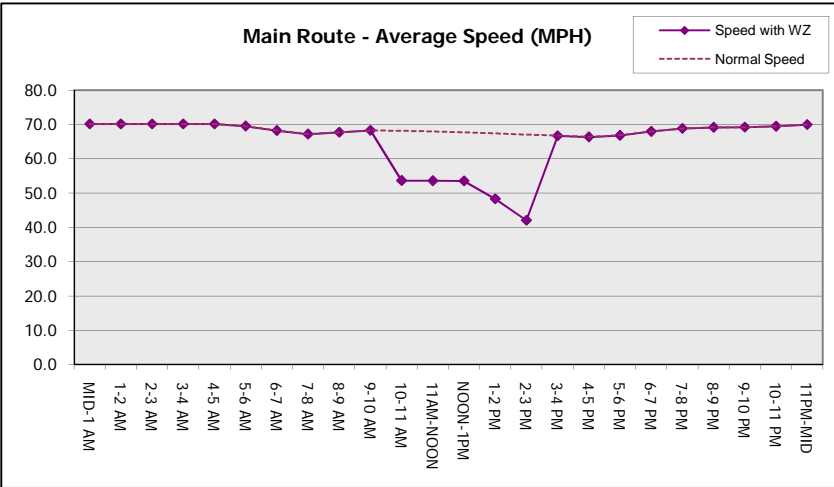
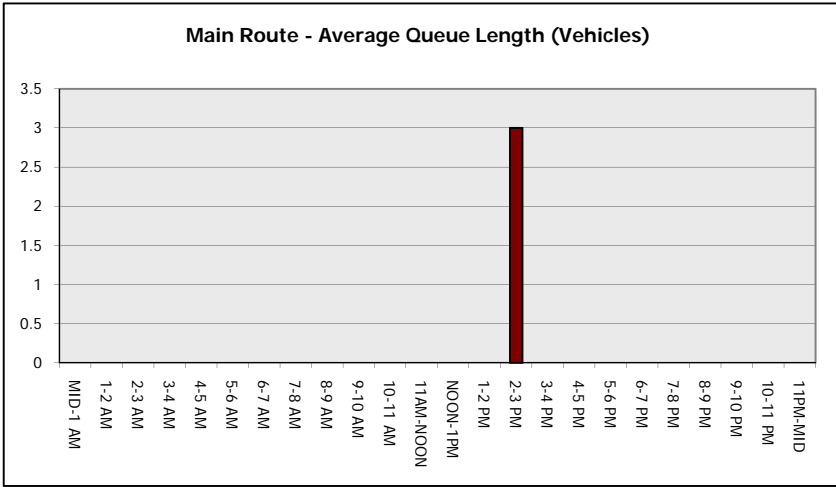
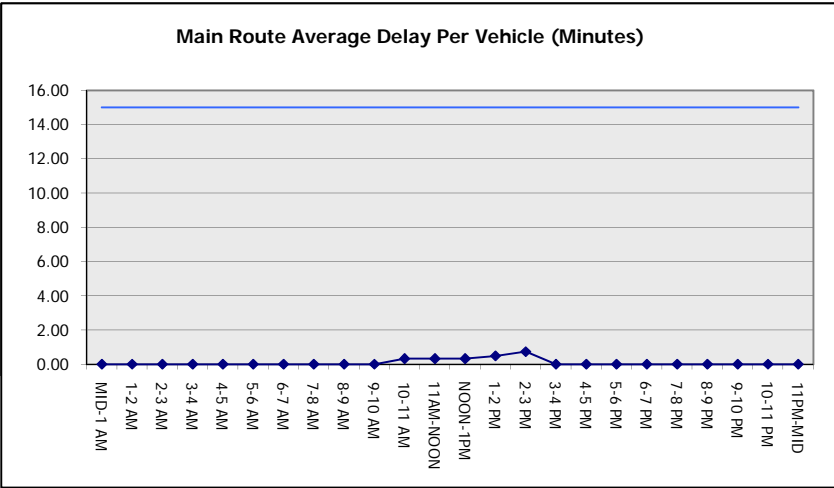
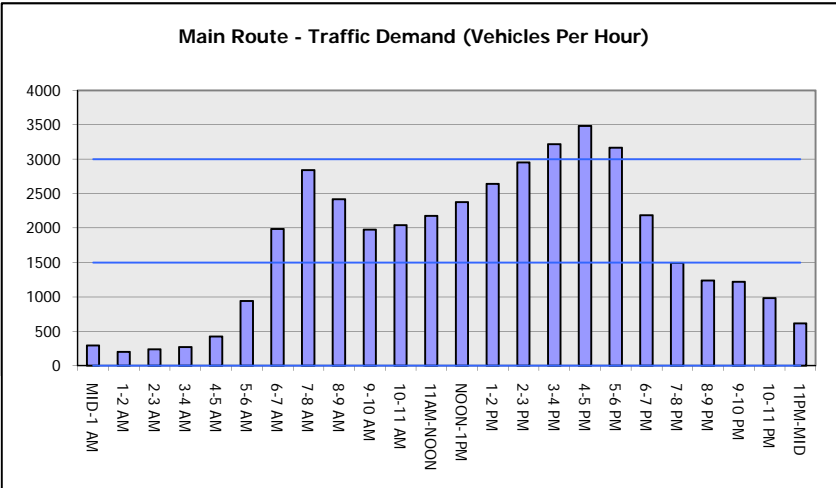
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0092
MAIN ROUTE WITH WORKS	0.0084
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,179
CONGESTED HOURS PER DAY*	0

*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	OFF	313	0	0.00	0	70.2	70.2	70.2
1-2 AM	250	0.0	OFF	250	0	0.00	0	70.2	70.2	70.2
2-3 AM	217	0.0	OFF	217	0	0.00	0	70.2	70.2	70.2
3-4 AM	203	0.0	OFF	203	0	0.00	0	70.2	70.2	70.2
4-5 AM	372	0.0	OFF	372	0	0.00	0	70.2	70.2	70.2
5-6 AM	1004	0.0	OFF	1004	0	0.00	0	69.5	69.5	69.5
6-7 AM	1892	0.0	OFF	1892	0	0.00	0	68.4	68.4	68.4
7-8 AM	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9
8-9 AM	2268	0.0	OFF	2268	0	0.00	0	67.9	67.9	67.9
9-10 AM	2170	0.0	OFF	2170	0	0.00	0	68.1	68.1	68.1
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	OFF	3470	0	0.02	1	66.4	65.6	65.6
4-5 PM	3707	0.0	OFF	3707	0	0.00	0	65.5	65.5	65.5
5-6 PM	3548	0.0	OFF	3548	0	0.00	0	66.3	66.3	66.3
6-7 PM	2776	0.0	OFF	2776	0	0.00	0	67.3	67.3	67.3
7-8 PM	2210	0.0	OFF	2210	0	0.00	0	68.0	68.0	68.0
8-9 PM	1717	0.0	OFF	1717	0	0.00	0	68.6	68.6	68.6
9-10 PM	1264	0.0	OFF	1264	0	0.00	0	69.2	69.2	69.2
10-11 PM	970	0.0	OFF	970	0	0.00	0	69.6	69.6	69.6
11PM-MID	774	0.0	OFF	774	0	0.00	0	69.8	69.8	69.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0092
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,649
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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