

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	427	0.0	OFF	427	0	0.00	0	70.2	70.2	70.2
1-2 AM	245	0.0	OFF	245	0	0.00	0	70.2	70.2	70.2
2-3 AM	243	0.0	OFF	243	0	0.00	0	70.2	70.2	70.2
3-4 AM	280	0.0	OFF	280	0	0.00	0	70.2	70.2	70.2
4-5 AM	461	0.0	OFF	461	0	0.00	0	70.2	70.2	70.2
5-6 AM	1019	0.0	OFF	1019	0	0.00	0	69.5	69.5	69.5
6-7 AM	2008	0.0	OFF	2008	0	0.00	0	68.2	68.2	68.2
7-8 AM	2715	0.0	OFF	2715	0	0.00	0	67.4	67.4	67.4
8-9 AM	2325	0.0	OFF	2325	0	0.00	0	67.8	67.8	67.8
9-10 AM	2232	0.0	OFF	2232	0	0.00	0	67.9	67.9	67.9
10-11 AM	2383	0.0	3000	2383	0	0.33	0	67.8	53.5	49.7
11AM-NOON	2553	0.0	3000	2553	0	0.44	0	67.6	50.0	45.6
NOON-1PM	2727	0.0	2999	2727	0	0.55	0	67.3	46.7	41.9
1-2 PM	2962	0.0	2999	2962	0	0.75	3	67.1	41.9	38.1
2-3 PM	3248	0.0	3000	3248	0	2.72	125	66.7	22.0	37.3
3-4 PM	3347	0.0	OFF	3347	0	0.14	12	66.6	60.1	60.1
4-5 PM	3530	0.0	OFF	3530	0	0.00	0	66.3	66.3	66.3
5-6 PM	3019	0.0	OFF	3019	0	0.00	0	67.0	67.0	67.0
6-7 PM	2089	0.0	OFF	2089	0	0.00	0	68.1	68.1	68.1
7-8 PM	1515	0.0	OFF	1515	0	0.00	0	68.9	68.9	68.9
8-9 PM	1285	0.0	OFF	1285	0	0.00	0	69.1	69.1	69.1
9-10 PM	1231	0.0	OFF	1231	0	0.00	0	69.2	69.2	69.2
10-11 PM	1020	0.0	OFF	1020	0	0.00	0	69.5	69.5	69.5
11PM-MID	616	0.0	OFF	616	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	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

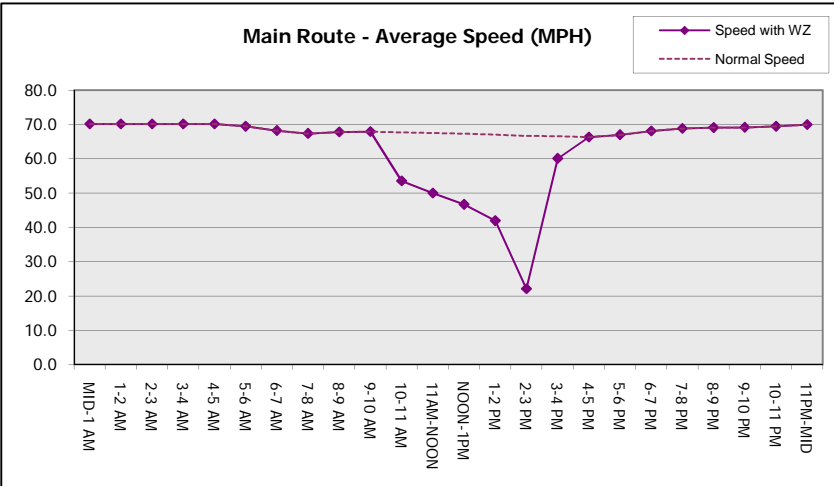
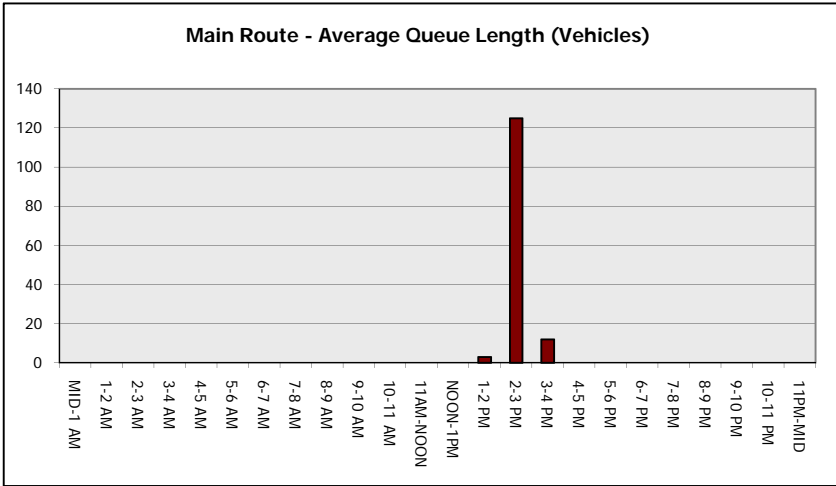
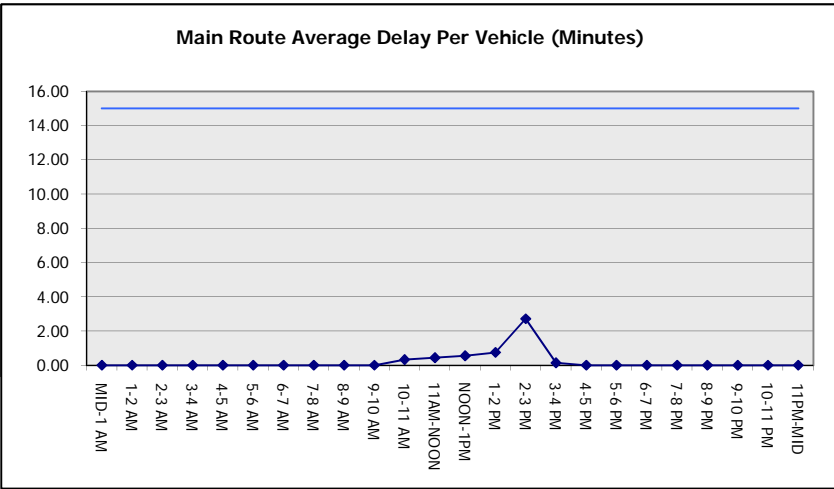
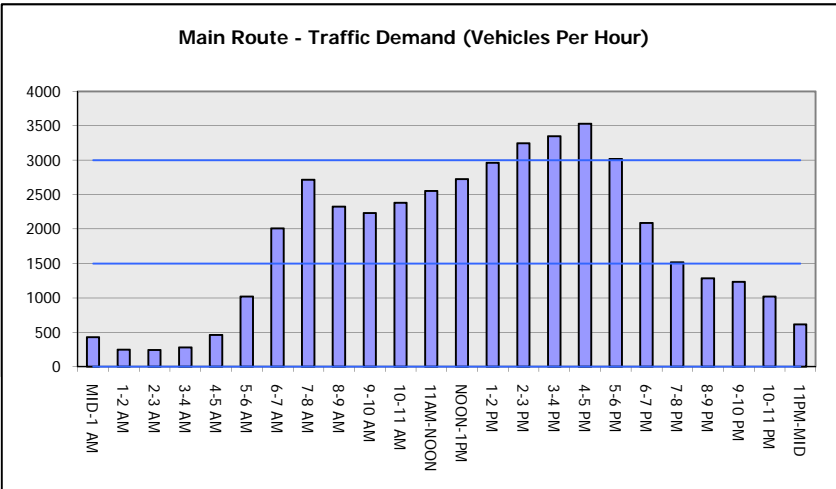
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,963
CONGESTED HOURS PER DAY*	0

*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	373	0.0	OFF	373	0	0.00	0	70.2	70.2	70.2
1-2 AM	251	0.0	OFF	251	0	0.00	0	70.2	70.2	70.2
2-3 AM	237	0.0	OFF	237	0	0.00	0	70.2	70.2	70.2
3-4 AM	227	0.0	OFF	227	0	0.00	0	70.2	70.2	70.2
4-5 AM	407	0.0	OFF	407	0	0.00	0	70.2	70.2	70.2
5-6 AM	1031	0.0	OFF	1031	0	0.00	0	69.4	69.4	69.4
6-7 AM	1852	0.0	OFF	1852	0	0.00	0	68.4	68.4	68.4
7-8 AM	2831	0.0	OFF	2831	0	0.00	0	67.2	67.2	67.2
8-9 AM	2269	0.0	OFF	2269	0	0.00	0	67.9	67.9	67.9
9-10 AM	2292	0.0	OFF	2292	0	0.00	0	67.9	67.9	67.9
10-11 AM	2544	0.0	3000	2544	0	0.43	0	67.6	50.2	45.8
11AM-NOON	2735	0.0	3000	2735	0	0.56	0	67.3	46.6	41.8
NOON-1PM	2874	0.0	2999	2874	0	0.65	0	67.2	44.3	39.2
1-2 PM	3000	0.0	2999	3000	0	0.83	7	67.0	40.3	37.7
2-3 PM	3334	0.0	3000	3334	0	3.54	175	66.6	19.1	37.3
3-4 PM	3633	0.0	OFF	3633	0	0.33	27	66.0	52.5	52.5
4-5 PM	3878	0.0	OFF	3878	0	0.00	0	64.3	64.3	64.3
5-6 PM	3702	0.0	OFF	3702	0	0.00	0	65.6	65.6	65.6
6-7 PM	2954	0.0	OFF	2954	0	0.00	0	67.1	67.1	67.1
7-8 PM	2291	0.0	OFF	2291	0	0.00	0	67.9	67.9	67.9
8-9 PM	1714	0.0	OFF	1714	0	0.00	0	68.6	68.6	68.6
9-10 PM	1412	0.0	OFF	1412	0	0.00	0	69.0	69.0	69.0
10-11 PM	1069	0.0	OFF	1069	0	0.00	0	69.4	69.4	69.4
11PM-MID	848	0.0	OFF	848	0	0.00	0	69.7	69.7	69.7

"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	0.0106
MAIN ROUTE WITH WORKS	0.0097
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,965
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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