

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) OFF-PEAK DAY 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	796	0.0	OFF	796	0	0.00	0	64.9	64.9	64.9
1-2 AM	256	0.0	OFF	256	0	0.00	0	65.9	65.9	65.9
2-3 AM	200	0.0	OFF	200	0	0.00	0	66.0	66.0	66.0
3-4 AM	163	0.0	OFF	163	0	0.00	0	66.1	66.1	66.1
4-5 AM	163	0.0	OFF	163	0	0.00	0	66.1	66.1	66.1
5-6 AM	217	0.0	OFF	217	0	0.00	0	66.0	66.0	66.0
6-7 AM	328	0.0	OFF	328	0	0.00	0	65.8	65.8	65.8
7-8 AM	556	0.0	OFF	556	0	0.00	0	65.3	65.3	65.3
8-9 AM	955	0.0	OFF	955	0	0.00	0	64.6	64.6	64.6
9-10 AM	1439	0.0	1499	1439	0	1.17	8	63.7	51.4	33.0
10-11 AM	1970	0.0	1500	1970	0	8.47+	240	62.7	23.2	30.8
11AM-NOON	2323	0.0	1500	1421	903	15.42+	393	62.0	15.3	31.6
NOON-1PM	2383	0.0	1500	1500	883	15.72+	400	62.0	15.0	30.8
1-2 PM	2391	0.0	1500	1500	891	15.72+	400	61.9	15.0	30.8
2-3 PM	2361	0.0	1500	1500	861	15.73+	400	62.0	15.0	30.8
3-4 PM	2392	0.0	1500	1500	892	15.72+	400	61.9	15.0	30.8
4-5 PM	2278	0.0	1500	1500	778	15.74+	400	62.2	15.0	30.8
5-6 PM	2055	0.0	1500	1500	555	15.77+	400	62.5	15.0	30.8
6-7 PM	1729	0.0	1500	1484	246	15.75+	398	63.2	15.1	30.8
7-8 PM	1367	0.0	OFF	1367	0	0.53	31	63.8	57.6	57.6
8-9 PM	994	0.0	OFF	994	0	0.00	0	64.5	64.5	64.5
9-10 PM	712	0.0	OFF	712	0	0.00	0	65.1	65.1	65.1
10-11 PM	481	0.0	OFF	481	0	0.00	0	65.5	65.5	65.5
11PM-MID	278	0.0	OFF	278	0	0.00	0	65.9	65.9	65.9

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

+ 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

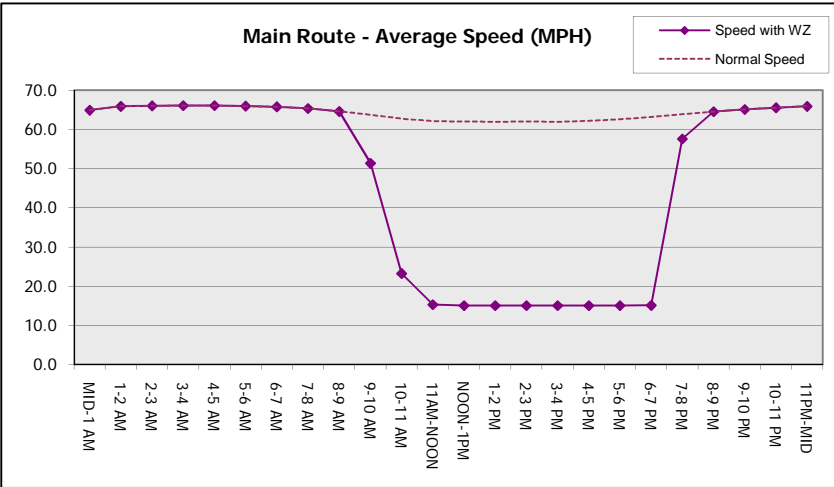
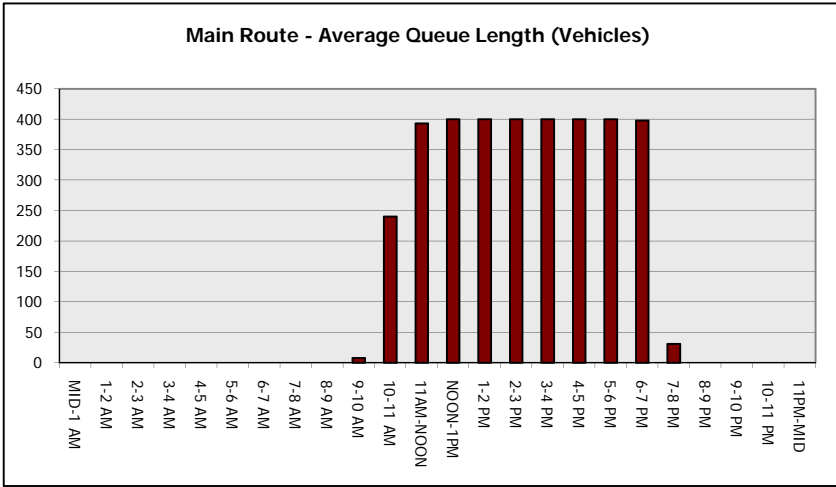
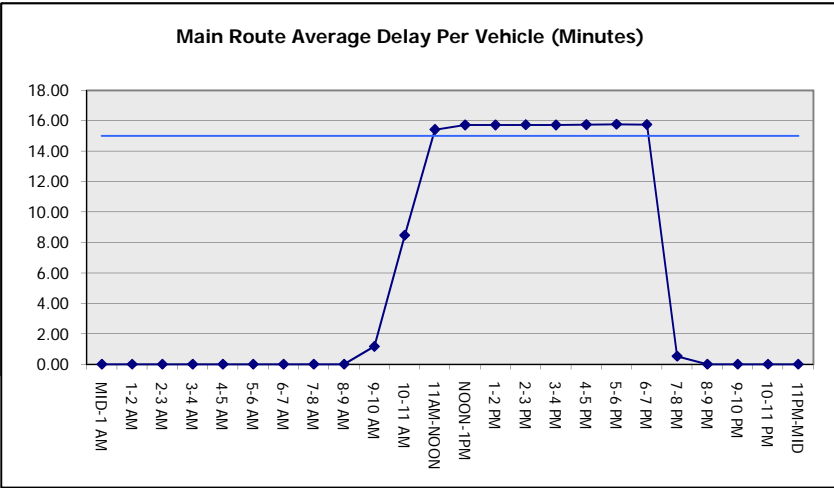
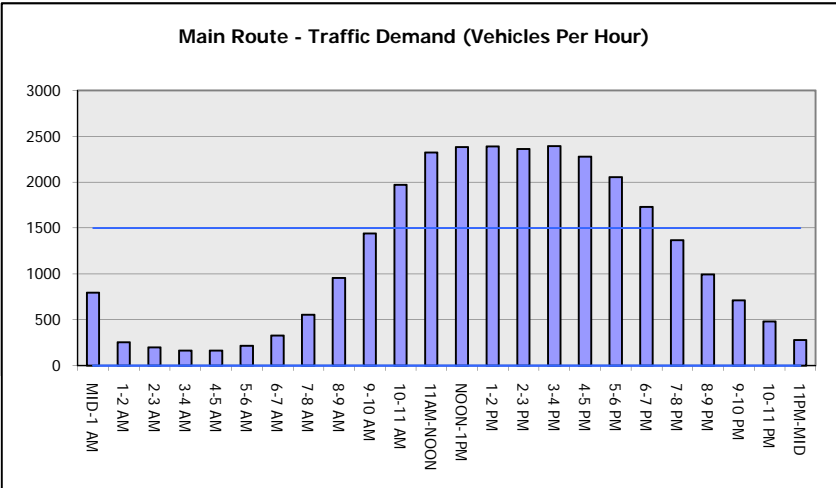
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0238
MAIN ROUTE WITH WORKS	0.0178
'DIVERSION'	0.0115
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$82,603
CONGESTED HOURS PER DAY*	9

*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	320	0.0	OFF	320	0	0.00	0	65.8	65.8	65.8
1-2 AM	203	0.0	OFF	203	0	0.00	0	66.0	66.0	66.0
2-3 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
3-4 AM	98	0.0	OFF	98	0	0.00	0	66.2	66.2	66.2
4-5 AM	96	0.0	OFF	96	0	0.00	0	66.2	66.2	66.2
5-6 AM	214	0.0	OFF	214	0	0.00	0	66.0	66.0	66.0
6-7 AM	250	0.0	OFF	250	0	0.00	0	65.9	65.9	65.9
7-8 AM	342	0.0	OFF	342	0	0.00	0	65.8	65.8	65.8
8-9 AM	558	0.0	OFF	558	0	0.00	0	65.3	65.3	65.3
9-10 AM	880	0.0	1500	880	0	0.51	0	64.8	58.6	42.1
10-11 AM	1364	0.0	1499	1364	0	0.84	0	63.8	54.5	34.0
11AM-NOON	1732	0.0	1499	1732	0	4.22	100	63.2	34.0	30.8
NOON-1PM	1869	0.0	1500	1671	198	14.09+	359	62.9	16.4	30.8
1-2 PM	1952	0.0	1500	1500	452	15.79+	400	62.7	15.0	30.8
2-3 PM	1960	0.0	1500	1500	460	15.79+	400	62.7	15.0	30.8
3-4 PM	1928	0.0	1500	1500	428	15.79+	400	62.8	15.0	30.8
4-5 PM	1963	0.0	1500	1500	463	15.79+	400	62.7	15.0	30.8
5-6 PM	1843	0.0	1500	1500	343	15.80+	400	63.0	15.0	30.8
6-7 PM	1608	0.0	1500	1500	108	15.84+	400	63.4	15.0	30.8
7-8 PM	1308	0.0	OFF	1308	0	0.51	30	64.0	57.9	57.9
8-9 PM	1140	0.0	OFF	1140	0	0.00	0	64.3	64.3	64.3
9-10 PM	926	0.0	OFF	926	0	0.00	0	64.6	64.6	64.6
10-11 PM	579	0.0	OFF	579	0	0.00	0	65.3	65.3	65.3
11PM-MID	382	0.0	OFF	382	0	0.00	0	65.7	65.7	65.7

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0196
MAIN ROUTE WITH WORKS	0.0166
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,803
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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