

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (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	796	0.0	1500	796	0	0.50	0	64.9	58.8	42.4
1-2 AM	256	0.0	1500	256	0	0.45	0	65.9	60.2	44.5
2-3 AM	200	0.0	1500	200	0	0.44	0	66.0	60.4	44.7
3-4 AM	163	0.0	1500	163	0	0.44	0	66.1	60.5	44.8
4-5 AM	163	0.0	1500	163	0	0.44	0	66.1	60.5	44.8
5-6 AM	217	0.0	1500	217	0	0.44	0	66.0	60.3	44.6
6-7 AM	328	0.0	1500	328	0	0.45	0	65.8	60.1	44.2
7-8 AM	556	0.0	1500	556	0	0.48	0	65.3	59.4	43.3
8-9 AM	955	0.0	1499	955	0	0.51	0	64.6	58.4	41.9
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	1499	1364	4	14.30+	360	63.8	16.3	30.8
8-9 PM	994	0.0	1499	994	0	2.61	85	64.5	41.9	38.8
9-10 PM	712	0.0	1500	712	0	0.49	0	65.1	59.0	42.7
10-11 PM	481	0.0	1500	481	0	0.47	0	65.5	59.6	43.6
11PM-MID	278	0.0	1500	278	0	0.45	0	65.9	60.2	44.4

+ 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

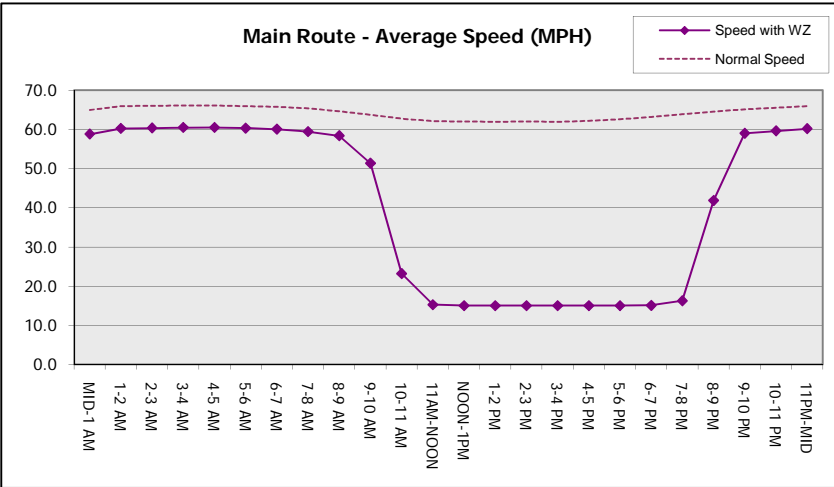
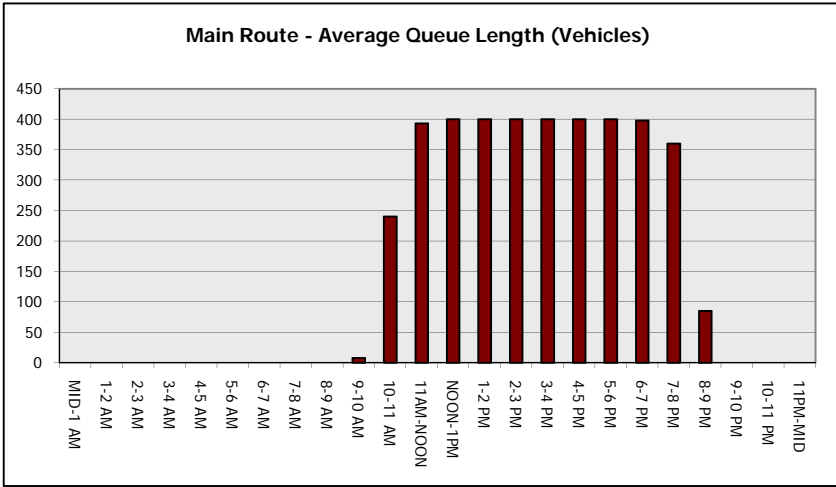
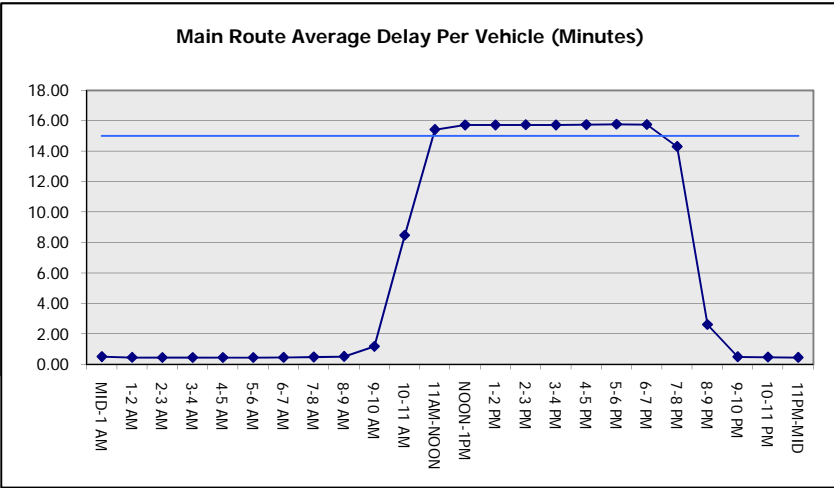
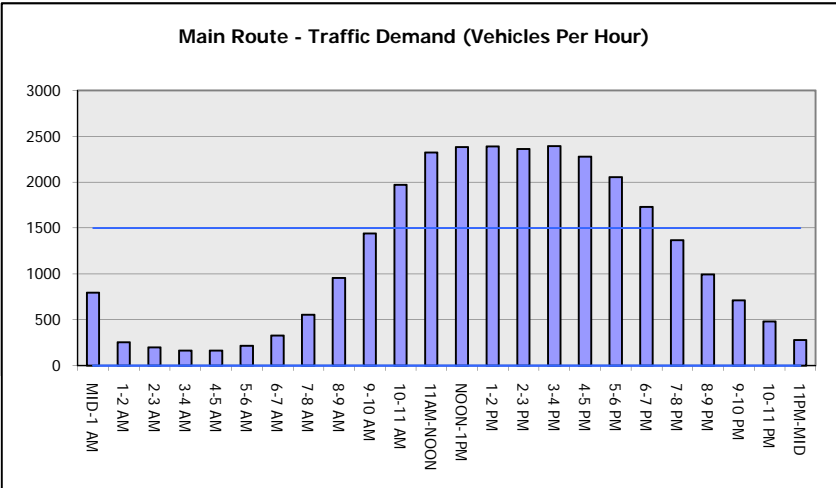
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0238
MAIN ROUTE WITH WORKS	0.0173
'DIVERSION'	0.0115
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$91,494
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	1500	320	0	0.45	0	65.8	60.1	44.2
1-2 AM	203	0.0	1500	203	0	0.44	0	66.0	60.4	44.6
2-3 AM	155	0.0	1500	155	0	0.44	0	66.1	60.5	44.8
3-4 AM	98	0.0	1500	98	0	0.43	0	66.2	60.7	45.1
4-5 AM	96	0.0	1500	96	0	0.43	0	66.2	60.7	45.1
5-6 AM	214	0.0	1500	214	0	0.44	0	66.0	60.3	44.6
6-7 AM	250	0.0	1500	250	0	0.45	0	65.9	60.2	44.5
7-8 AM	342	0.0	1500	342	0	0.46	0	65.8	60.0	44.1
8-9 AM	558	0.0	1500	558	0	0.48	0	65.3	59.4	43.3
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	1499	1308	0	12.76+	322	64.0	17.7	30.8
8-9 PM	1140	0.0	1499	1140	0	2.48	70	64.3	42.5	37.4
9-10 PM	926	0.0	1500	926	0	0.51	0	64.6	58.4	41.9
10-11 PM	579	0.0	1500	579	0	0.48	0	65.3	59.4	43.2
11PM-MID	382	0.0	1500	382	0	0.46	0	65.7	59.9	44.0

+ 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	0.0162
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$66,207
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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