

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	300	0.0	1500	300	0	0.45	0	65.8	60.1	44.3	
1-2 AM	190	0.0	1500	190	0	0.44	0	66.0	60.4	44.7	
2-3 AM	200	0.0	1500	200	0	0.44	0	66.0	60.4	44.7	
3-4 AM	141	0.0	1500	141	0	0.44	0	66.1	60.5	44.9	
4-5 AM	129	0.0	1500	129	0	0.43	0	66.1	60.5	45.0	
5-6 AM	180	0.0	1500	180	0	0.44	0	66.1	60.4	44.8	
6-7 AM	322	0.0	1500	322	0	0.45	0	65.8	60.1	44.2	
7-8 AM	451	0.0	1500	451	0	0.47	0	65.5	59.7	43.7	
8-9 AM	774	0.0	1500	774	0	0.50	0	65.0	58.9	42.5	
9-10 AM	1220	0.0	1499	1220	0	0.66	0	64.1	56.4	38.1	
10-11 AM	1592	0.0	1499	1592	0	1.98	28	63.4	45.2	30.8	
11AM-NOON	1778	0.0	1500	1778	0	8.51	217	63.1	23.2	30.8	
NOON-1PM	2032	0.0	1499	1500	532	15.77+	399	62.6	15.0	30.8	
1-2 PM	2004	0.0	1500	1500	504	15.78+	400	62.7	15.0	30.8	
2-3 PM	2003	0.0	1500	1500	503	15.78+	400	62.7	15.0	30.8	
3-4 PM	2045	0.0	1500	1500	545	15.77+	400	62.6	15.0	30.8	
4-5 PM	2100	0.0	1500	1500	600	15.76+	400	62.5	15.0	30.8	
5-6 PM	1875	0.0	1500	1500	375	15.80+	400	62.9	15.0	30.8	
6-7 PM	1491	0.0	1500	1491	0	15.29+	385	63.6	15.5	30.8	
7-8 PM	1248	0.0	1499	1248	0	9.85	252	64.1	21.2	31.8	
8-9 PM	913	0.0	1500	913	0	0.82	11	64.7	55.3	41.9	
9-10 PM	696	0.0	1500	696	0	0.49	0	65.1	59.1	42.8	
10-11 PM	488	0.0	1500	488	0	0.47	0	65.5	59.6	43.5	
11PM-MID	270	0.0	1500	270	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 (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

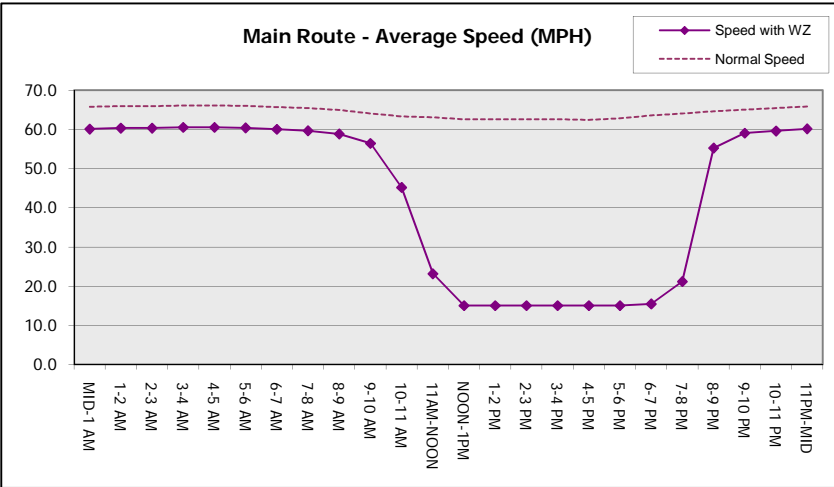
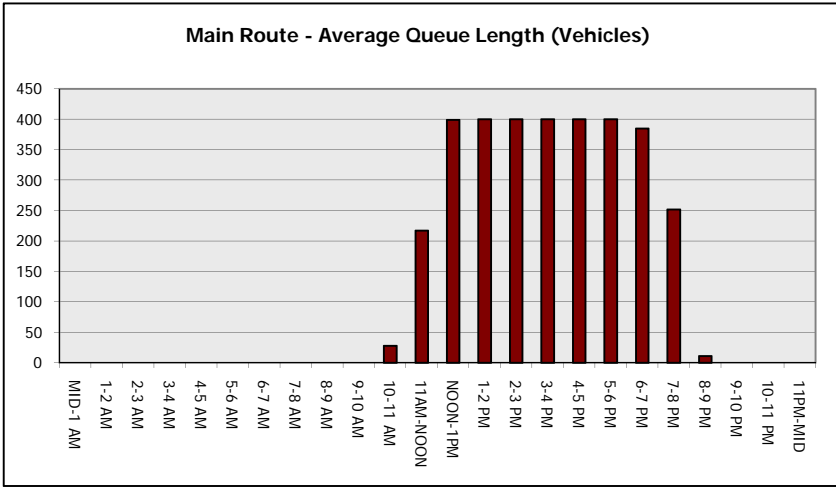
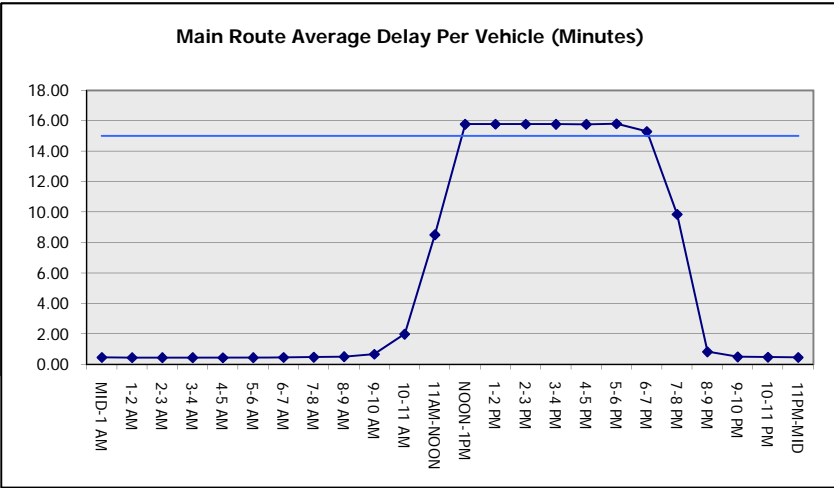
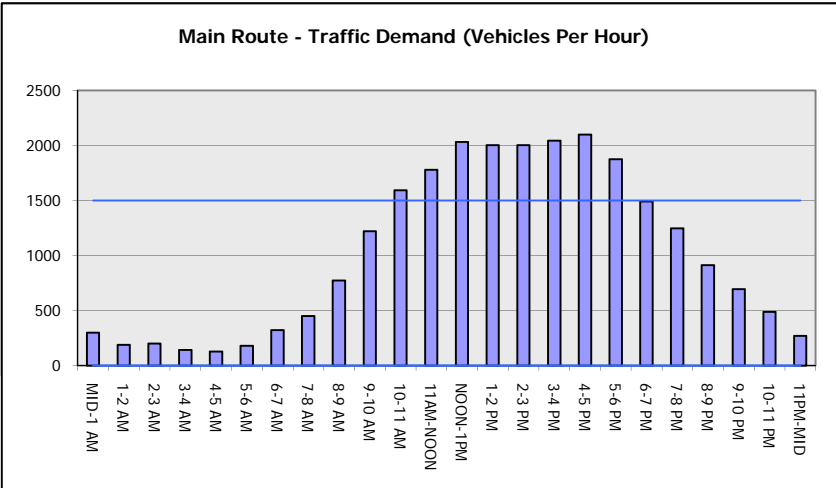
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0163
'DIVERSION'	0.0059
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$69,476
CONGESTED HOURS PER DAY*	7

*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	275	0.0	1500	275	0	0.45	0	65.9	60.2	44.4
1-2 AM	171	0.0	1500	171	0	0.44	0	66.1	60.4	44.8
2-3 AM	147	0.0	1500	147	0	0.44	0	66.1	60.5	44.9
3-4 AM	84	0.0	1500	84	0	0.43	0	66.2	60.7	45.1
4-5 AM	94	0.0	1500	94	0	0.43	0	66.2	60.7	45.1
5-6 AM	233	0.0	1500	233	0	0.45	0	66.0	60.3	44.5
6-7 AM	267	0.0	1500	267	0	0.45	0	65.9	60.2	44.4
7-8 AM	477	0.0	1500	477	0	0.47	0	65.5	59.6	43.6
8-9 AM	690	0.0	1500	690	0	0.49	0	65.1	59.1	42.8
9-10 AM	1025	0.0	1499	1025	0	0.52	0	64.5	58.2	41.5
10-11 AM	1442	0.0	1499	1442	0	1.04	3	63.7	52.5	32.4
11AM-NOON	1686	0.0	1500	1686	0	4.19	94	63.2	34.2	30.8
NOON-1PM	1776	0.0	1500	1704	72	12.75+	326	63.1	17.6	30.8
1-2 PM	1692	0.0	1500	1500	192	15.82+	400	63.2	15.0	30.8
2-3 PM	1620	0.0	1500	1500	120	15.84+	400	63.3	15.0	30.8
3-4 PM	1760	0.0	1500	1500	260	15.81+	400	63.1	15.0	30.8
4-5 PM	1686	0.0	1500	1500	186	15.83+	400	63.2	15.0	30.8
5-6 PM	1664	0.0	1500	1500	164	15.83+	400	63.3	15.0	30.8
6-7 PM	1510	0.0	1500	1478	32	15.68+	395	63.6	15.2	30.8
7-8 PM	1225	0.0	1499	1225	0	9.99	258	64.1	21.0	31.9
8-9 PM	978	0.0	1500	978	0	0.85	11	64.6	55.0	41.7
9-10 PM	775	0.0	1500	775	0	0.50	0	65.0	58.9	42.5
10-11 PM	521	0.0	1500	521	0	0.47	0	65.4	59.5	43.4
11PM-MID	303	0.0	1500	303	0	0.45	0	65.8	60.1	44.3

+ 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	0.0183
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0020

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$57,262
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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