

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	202	0.0	OFF	202	0	0.00	0	66.0	66.0	66.0	
1-2 AM	145	0.0	OFF	145	0	0.00	0	66.1	66.1	66.1	
2-3 AM	148	0.0	OFF	148	0	0.00	0	66.1	66.1	66.1	
3-4 AM	175	0.0	OFF	175	0	0.00	0	66.1	66.1	66.1	
4-5 AM	341	0.0	OFF	341	0	0.00	0	65.8	65.8	65.8	
5-6 AM	818	0.0	OFF	818	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1679	0.0	OFF	1679	0	0.00	0	63.3	63.3	63.3	
7-8 AM	2364	0.0	OFF	2364	0	0.00	0	62.0	62.0	62.0	
8-9 AM	1903	0.0	OFF	1903	0	0.00	0	62.8	62.8	62.8	
9-10 AM	1533	0.0	OFF	1533	0	0.00	0	63.5	63.5	63.5	
10-11 AM	1498	0.0	1499	1498	0	1.02	0	63.6	52.6	30.8	
11AM-NOON	1554	0.0	1500	1554	0	1.85	23	63.5	46.1	30.8	
NOON-1PM	1622	0.0	1500	1622	0	4.87	107	63.3	31.9	30.8	
1-2 PM	1801	0.0	1500	1749	53	11.97+	307	63.0	18.4	30.8	
2-3 PM	2000	0.0	1500	1500	500	15.78+	400	62.7	15.0	30.8	
3-4 PM	2208	0.0	OFF	2208	0	0.99	50	62.3	52.0	52.0	
4-5 PM	2546	0.0	OFF	2546	0	0.00	0	60.4	60.4	60.4	
5-6 PM	2331	0.0	OFF	2331	0	0.00	0	62.0	62.0	62.0	
6-7 PM	1446	0.0	OFF	1446	0	0.00	0	63.7	63.7	63.7	
7-8 PM	1056	0.0	OFF	1056	0	0.00	0	64.4	64.4	64.4	
8-9 PM	952	0.0	OFF	952	0	0.00	0	64.6	64.6	64.6	
9-10 PM	816	0.0	OFF	816	0	0.00	0	64.9	64.9	64.9	
10-11 PM	626	0.0	OFF	626	0	0.00	0	65.2	65.2	65.2	
11PM-MID	343	0.0	OFF	343	0	0.00	0	65.8	65.8	65.8	

"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

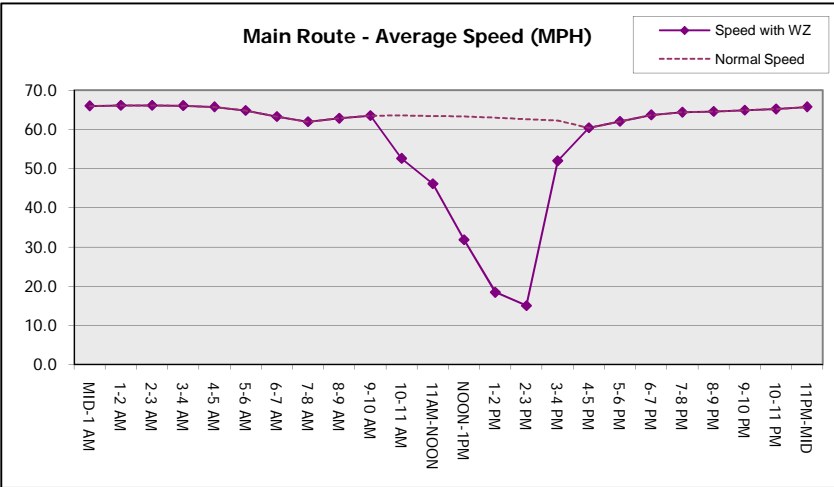
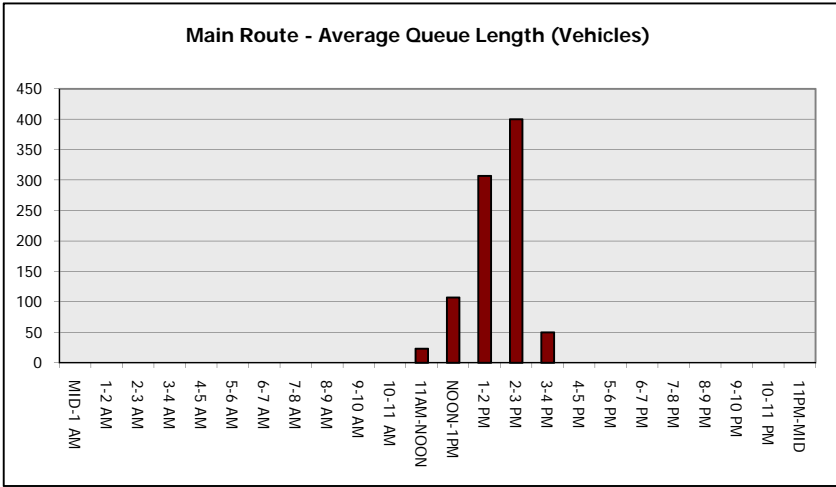
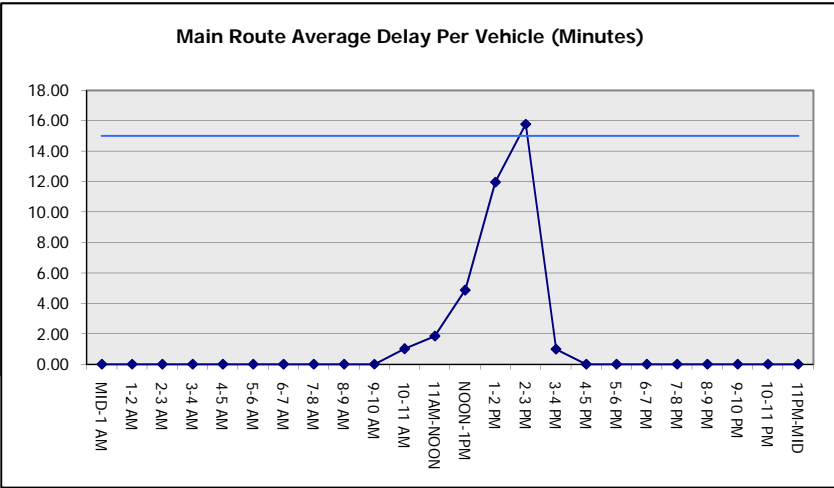
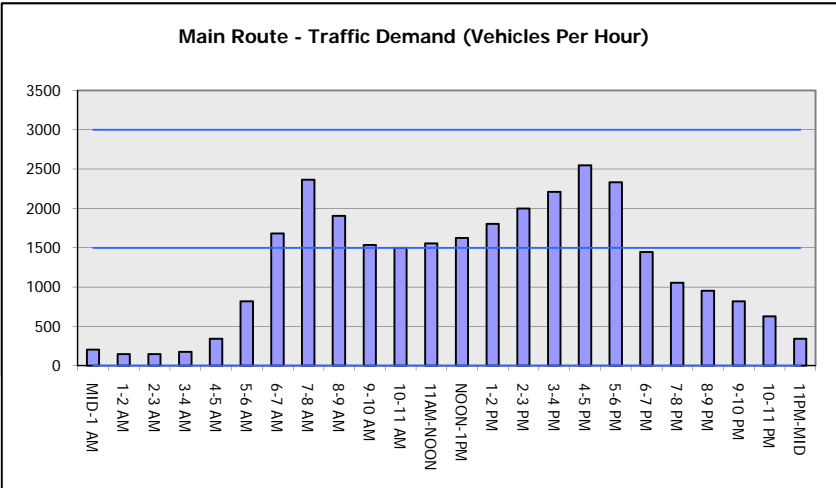
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0249
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0011
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$13,672
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	196	0.0	OFF	196	0	0.00	0	66.0	66.0	66.0
1-2 AM	140	0.0	OFF	140	0	0.00	0	66.1	66.1	66.1
2-3 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1
3-4 AM	147	0.0	OFF	147	0	0.00	0	66.1	66.1	66.1
4-5 AM	290	0.0	OFF	290	0	0.00	0	65.8	65.8	65.8
5-6 AM	823	0.0	OFF	823	0	0.00	0	64.8	64.8	64.8
6-7 AM	1543	0.0	OFF	1543	0	0.00	0	63.5	63.5	63.5
7-8 AM	2475	0.0	OFF	2475	0	0.00	0	61.2	61.2	61.2
8-9 AM	1752	0.0	OFF	1752	0	0.00	0	63.1	63.1	63.1
9-10 AM	1539	0.0	OFF	1539	0	0.00	0	63.5	63.5	63.5
10-11 AM	1572	0.0	1499	1572	0	2.15	32	63.5	44.2	30.8
11AM-NOON	1655	0.0	1500	1655	0	6.20	145	63.3	28.0	30.8
NOON-1PM	1700	0.0	1500	1700	0	12.81+	325	63.2	17.6	30.8
1-2 PM	1729	0.0	1499	1487	242	15.77+	398	63.2	15.1	30.8
2-3 PM	1948	0.0	1500	1500	448	15.79+	400	62.8	15.0	30.8
3-4 PM	2346	0.0	OFF	2346	0	1.11	52	62.0	50.8	50.8
4-5 PM	2591	0.0	OFF	2591	0	0.00	0	60.0	60.0	60.0
5-6 PM	2354	0.0	OFF	2354	0	0.00	0	62.0	62.0	62.0
6-7 PM	1555	0.0	OFF	1555	0	0.00	0	63.5	63.5	63.5
7-8 PM	1032	0.0	OFF	1032	0	0.00	0	64.5	64.5	64.5
8-9 PM	918	0.0	OFF	918	0	0.00	0	64.6	64.6	64.6
9-10 PM	751	0.0	OFF	751	0	0.00	0	65.0	65.0	65.0
10-11 PM	527	0.0	OFF	527	0	0.00	0	65.4	65.4	65.4
11PM-MID	388	0.0	OFF	388	0	0.00	0	65.6	65.6	65.6

"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	0.0249
MAIN ROUTE WITH WORKS	0.0238
'DIVERSION'	0.0013

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,423
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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