

<b>USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	235	0.0	1500	235	0	0.45	0	66.0	60.3	44.5	
1-2 AM	162	0.0	1500	162	0	0.44	0	66.1	60.5	44.8	
2-3 AM	189	0.0	1500	189	0	0.44	0	66.0	60.4	44.7	
3-4 AM	217	0.0	1500	217	0	0.44	0	66.0	60.3	44.6	
4-5 AM	341	0.0	1500	341	0	0.46	0	65.8	60.0	44.2	
5-6 AM	757	0.0	1500	757	0	0.50	0	65.0	58.9	42.5	
6-7 AM	1601	0.0	1499	1601	0	2.02	36	63.4	44.9	31.8	
7-8 AM	2286	0.0	1500	1766	521	13.75+	357	62.1	16.6	32.0	
8-9 AM	1949	0.0	1499	1500	449	15.79+	399	62.8	15.0	30.8	
9-10 AM	1589	0.0	1500	1488	101	15.79+	398	63.4	15.1	30.8	
10-11 AM	1645	0.0	1499	1500	145	15.83+	399	63.3	15.0	30.8	
11AM-NOON	1752	0.0	1500	1500	252	15.82+	400	63.1	15.0	30.8	
NOON-1PM	1915	0.0	1500	1500	415	15.79+	400	62.8	15.0	30.8	
1-2 PM	2126	0.0	1500	1500	626	15.76+	400	62.4	15.0	30.8	
2-3 PM	2378	0.0	1500	1500	878	15.72+	400	62.0	15.0	30.8	
3-4 PM	2591	0.0	1500	1500	1091	15.56+	400	60.0	15.0	30.8	
4-5 PM	2806	0.0	1500	1500	1306	15.36+	400	57.8	15.0	30.8	
5-6 PM	2550	0.0	1500	1500	1050	15.59+	400	60.4	15.0	30.8	
6-7 PM	1761	0.0	1500	1500	261	15.81+	400	63.1	15.0	30.8	
7-8 PM	1202	0.0	1499	1202	0	10.46+	275	64.1	20.4	32.4	
8-9 PM	995	0.0	1500	995	0	0.83	10	64.5	55.1	41.6	
9-10 PM	980	0.0	1500	980	0	0.52	0	64.6	58.3	41.7	
10-11 PM	790	0.0	1500	790	0	0.50	0	64.9	58.8	42.4	
11PM-MID	493	0.0	1500	493	0	0.47	0	65.5	59.6	43.5	

+ 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

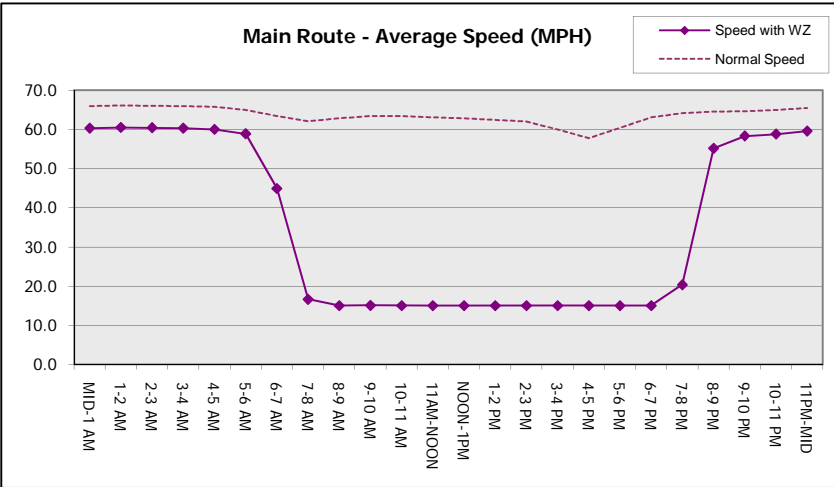
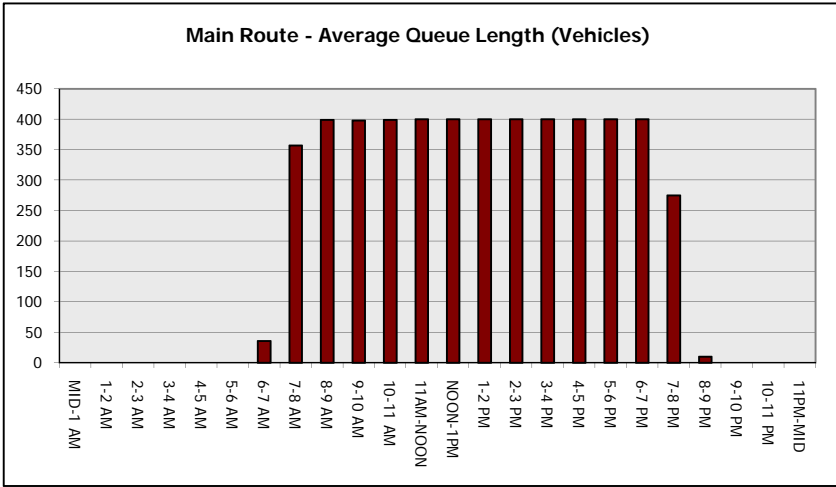
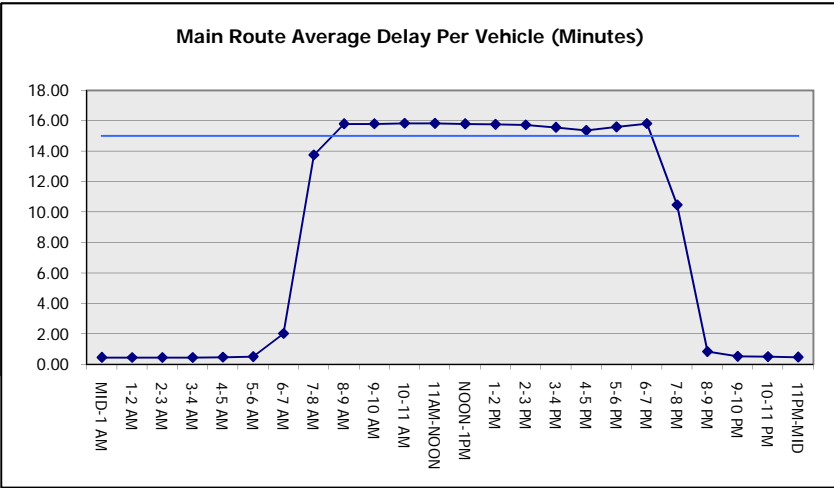
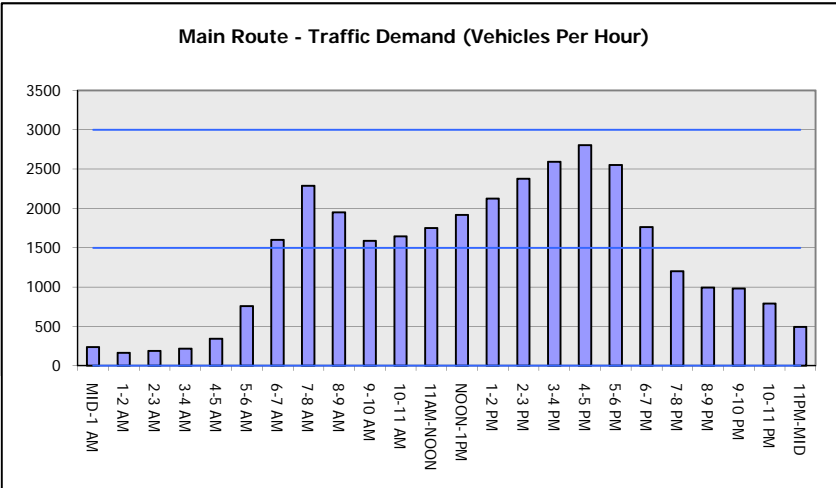
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0276
MAIN ROUTE WITH WORKS	0.0200
'DIVERSION'	0.0136
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$92,640
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

**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

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	252	0.0	1500	252	0	0.45	0	65.9	60.2	44.5
1-2 AM	202	0.0	1500	202	0	0.44	0	66.0	60.4	44.6
2-3 AM	175	0.0	1500	175	0	0.44	0	66.1	60.4	44.8
3-4 AM	164	0.0	1500	164	0	0.44	0	66.1	60.5	44.8
4-5 AM	300	0.0	1500	300	0	0.45	0	65.8	60.1	44.3
5-6 AM	808	0.0	1500	808	0	0.50	0	64.9	58.7	42.4
6-7 AM	1523	0.0	1499	1523	0	1.76	29	63.5	46.8	33.0
7-8 AM	2483	0.0	1500	1705	778	13.56+	361	61.0	16.7	34.8
8-9 AM	1826	0.0	1499	1569	257	15.52+	392	63.0	15.2	30.8
9-10 AM	1747	0.0	1500	1500	247	15.82+	400	63.2	15.0	30.8
10-11 AM	1894	0.0	1500	1500	394	15.80+	400	62.8	15.0	30.8
11AM-NOON	1985	0.0	1500	1500	485	15.78+	400	62.7	15.0	30.8
NOON-1PM	2133	0.0	1500	1500	633	15.76+	400	62.4	15.0	30.8
1-2 PM	2233	0.0	1500	1500	733	15.74+	400	62.2	15.0	30.8
2-3 PM	2478	0.0	1500	1500	978	15.65+	400	61.1	15.0	30.8
3-4 PM	2794	0.0	1500	1500	1294	15.37+	400	57.9	15.0	30.8
4-5 PM	2984	0.0	1500	1500	1484	15.18+	400	56.0	15.0	30.8
5-6 PM	2856	0.0	1500	1500	1356	15.31+	400	57.3	15.0	30.8
6-7 PM	2236	0.0	1500	1500	736	15.74+	400	62.2	15.0	30.8
7-8 PM	1780	0.0	1500	1500	280	15.81+	400	63.1	15.0	30.8
8-9 PM	1382	0.0	1500	1382	0	14.10+	354	63.8	16.5	30.8
9-10 PM	1018	0.0	1499	1018	0	2.74	89	64.5	41.2	38.4
10-11 PM	781	0.0	1500	781	0	0.50	0	65.0	58.8	42.5
11PM-MID	623	0.0	1500	623	0	0.48	0	65.2	59.2	43.0

+ 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	0.0303
MAIN ROUTE WITH WORKS	0.0206
'DIVERSION'	0.0185

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$108,031
CONGESTED HOURS PER DAY*	14

\*Delays Exceeding User-Specified Maximum

**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

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

