

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY                  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	317	0.0	1500	317	0	0.45	0	65.8	60.1	44.2
1-2 AM	219	0.0	1500	219	0	0.44	0	66.0	60.3	44.6
2-3 AM	182	0.0	1500	182	0	0.44	0	66.1	60.4	44.8
3-4 AM	139	0.0	1500	139	0	0.44	0	66.1	60.5	45.0
4-5 AM	225	0.0	1500	225	0	0.44	0	66.0	60.3	44.6
5-6 AM	338	0.0	1500	338	0	0.46	0	65.8	60.0	44.2
6-7 AM	611	0.0	1500	611	0	0.48	0	65.3	59.2	43.1
7-8 AM	973	0.0	1500	973	0	0.52	0	64.6	58.3	41.8
8-9 AM	1411	0.0	OFF	1411	0	0.00	0	63.8	63.8	63.8
9-10 AM	1665	0.0	OFF	1665	0	0.00	0	63.3	63.3	63.3
10-11 AM	1890	0.0	OFF	1890	0	0.00	0	62.8	62.8	62.8
11AM-NOON	1987	0.0	OFF	1987	0	0.00	0	62.7	62.7	62.7
NOON-1PM	1927	0.0	OFF	1927	0	0.00	0	62.8	62.8	62.8
1-2 PM	1913	0.0	OFF	1913	0	0.00	0	62.8	62.8	62.8
2-3 PM	1877	0.0	OFF	1877	0	0.00	0	62.9	62.9	62.9
3-4 PM	1751	0.0	OFF	1751	0	0.00	0	63.1	63.1	63.1
4-5 PM	1691	0.0	OFF	1691	0	0.00	0	63.2	63.2	63.2
5-6 PM	1501	0.0	OFF	1501	0	0.00	0	63.6	63.6	63.6
6-7 PM	1245	0.0	1500	1245	0	0.69	0	64.1	56.1	37.1
7-8 PM	1074	0.0	1500	1074	0	0.53	0	64.4	58.1	41.4
8-9 PM	1005	0.0	1500	1005	0	0.52	0	64.5	58.2	41.7
9-10 PM	1058	0.0	1500	1058	0	0.52	0	64.4	58.1	41.5
10-11 PM	1170	0.0	1500	1170	0	0.60	0	64.2	57.1	39.4
11PM-MID	1268	0.0	1500	1268	0	0.72	0	64.0	55.7	36.4

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

*----- 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

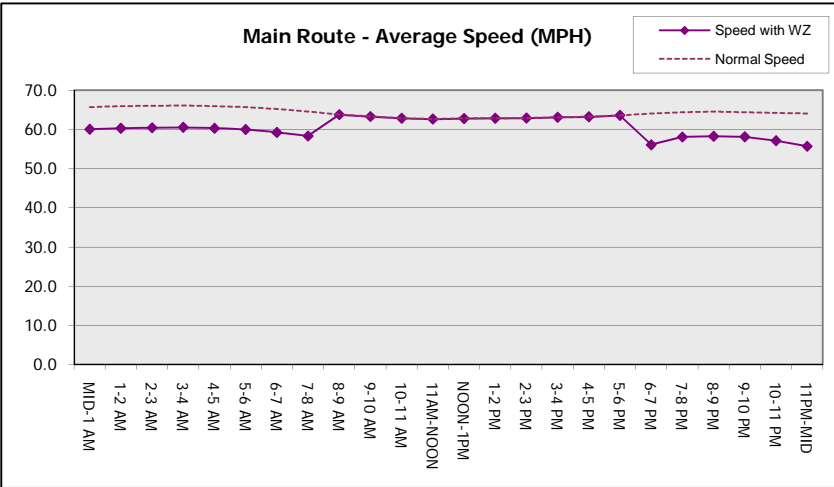
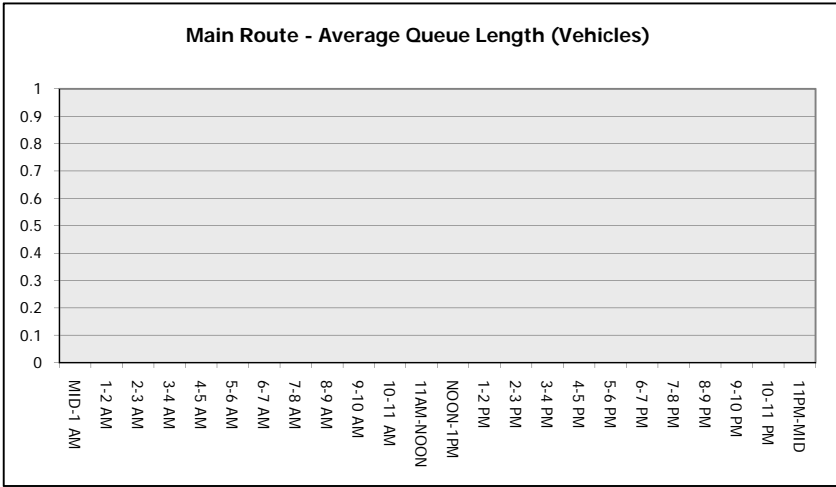
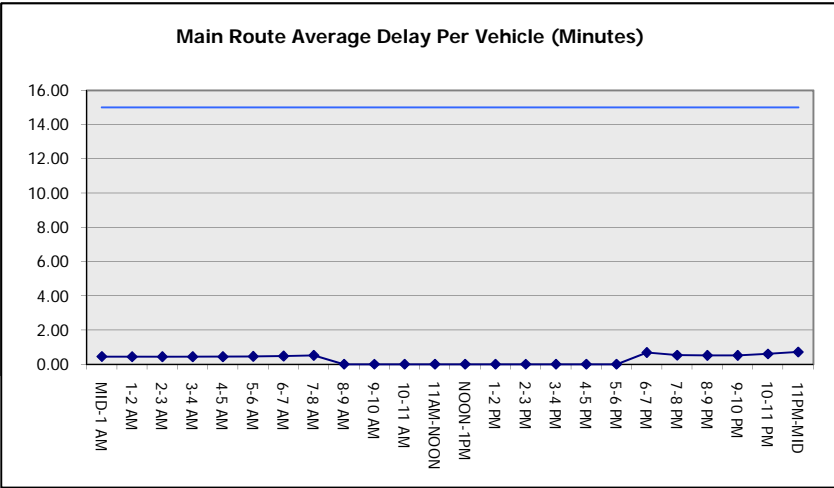
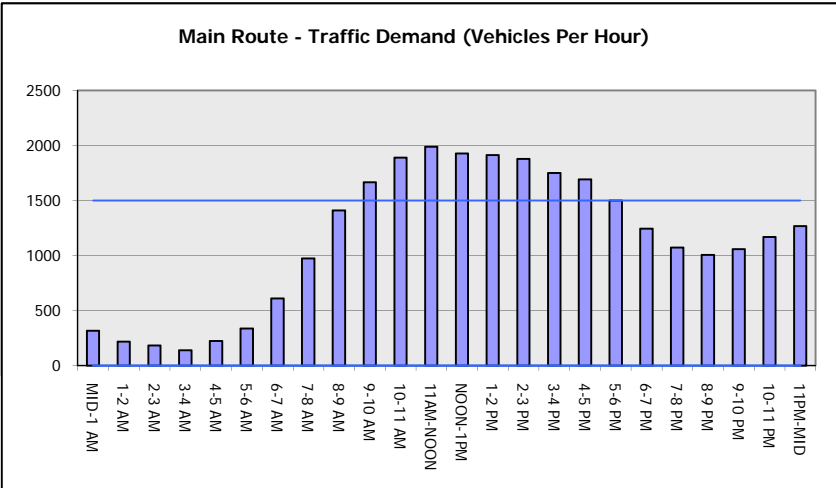
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0227
MAIN ROUTE WITH WORKS	0.0221
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,332
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

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



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	390	0.0	1500	390	0	0.46	0	65.6	59.9	43.9
1-2 AM	253	0.0	1500	253	0	0.45	0	65.9	60.2	44.5
2-3 AM	184	0.0	1500	184	0	0.44	0	66.0	60.4	44.8
3-4 AM	150	0.0	1500	150	0	0.44	0	66.1	60.5	44.9
4-5 AM	197	0.0	1500	197	0	0.44	0	66.0	60.4	44.7
5-6 AM	330	0.0	1500	330	0	0.45	0	65.8	60.0	44.2
6-7 AM	513	0.0	1500	513	0	0.47	0	65.5	59.6	43.5
7-8 AM	779	0.0	1500	779	0	0.50	0	65.0	58.8	42.5
8-9 AM	1114	0.0	OFF	1114	0	0.00	0	64.3	64.3	64.3
9-10 AM	1461	0.0	OFF	1461	0	0.00	0	63.7	63.7	63.7
10-11 AM	1932	0.0	OFF	1932	0	0.00	0	62.8	62.8	62.8
11AM-NOON	2160	0.0	OFF	2160	0	0.00	0	62.3	62.3	62.3
NOON-1PM	2319	0.0	OFF	2319	0	0.00	0	62.0	62.0	62.0
1-2 PM	2393	0.0	OFF	2393	0	0.00	0	61.9	61.9	61.9
2-3 PM	2429	0.0	OFF	2429	0	0.00	0	61.6	61.6	61.6
3-4 PM	2347	0.0	OFF	2347	0	0.00	0	62.0	62.0	62.0
4-5 PM	2225	0.0	OFF	2225	0	0.00	0	62.2	62.2	62.2
5-6 PM	2050	0.0	OFF	2050	0	0.00	0	62.6	62.6	62.6
6-7 PM	1505	0.0	1499	1505	0	2.18	32	63.6	44.0	31.4
7-8 PM	1093	0.0	1500	1093	0	0.55	0	64.3	57.8	40.7
8-9 PM	966	0.0	1500	966	0	0.52	0	64.6	58.4	41.8
9-10 PM	828	0.0	1500	828	0	0.50	0	64.8	58.7	42.3
10-11 PM	772	0.0	1500	772	0	0.50	0	65.0	58.9	42.5
11PM-MID	527	0.0	1500	527	0	0.47	0	65.4	59.5	43.4

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

*----- 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	0.0239
MAIN ROUTE WITH WORKS	0.0234
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,617
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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