

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) NIGHTTIME 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	OFF	1439	0	0.00	0	63.7	63.7	63.7
10-11 AM	1970	0.0	OFF	1970	0	0.00	0	62.7	62.7	62.7
11AM-NOON	2323	0.0	OFF	2323	0	0.00	0	62.0	62.0	62.0
NOON-1PM	2383	0.0	OFF	2383	0	0.00	0	62.0	62.0	62.0
1-2 PM	2391	0.0	OFF	2391	0	0.00	0	61.9	61.9	61.9
2-3 PM	2361	0.0	OFF	2361	0	0.00	0	62.0	62.0	62.0
3-4 PM	2392	0.0	OFF	2392	0	0.00	0	61.9	61.9	61.9
4-5 PM	2278	0.0	OFF	2278	0	0.00	0	62.2	62.2	62.2
5-6 PM	2055	0.0	OFF	2055	0	0.00	0	62.5	62.5	62.5
6-7 PM	1729	0.0	OFF	1729	0	0.00	0	63.2	63.2	63.2
7-8 PM	1367	0.0	1500	1367	0	0.85	0	63.8	54.3	33.8
8-9 PM	994	0.0	1500	994	0	0.52	0	64.5	58.2	41.7
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

"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

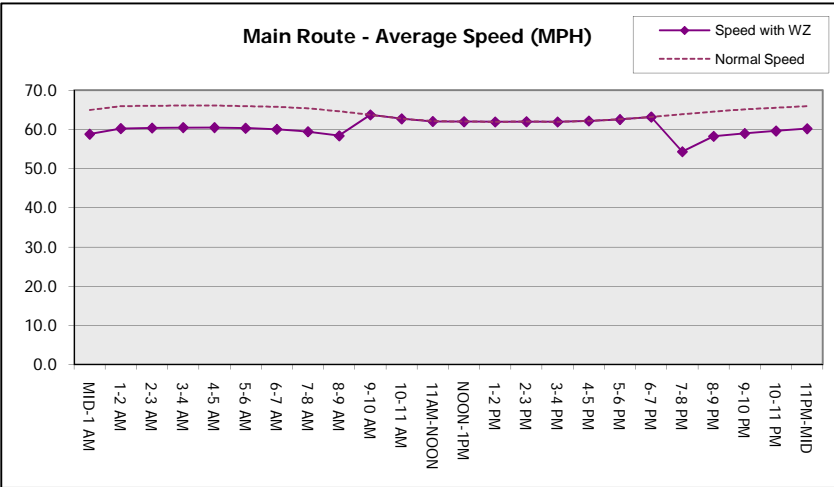
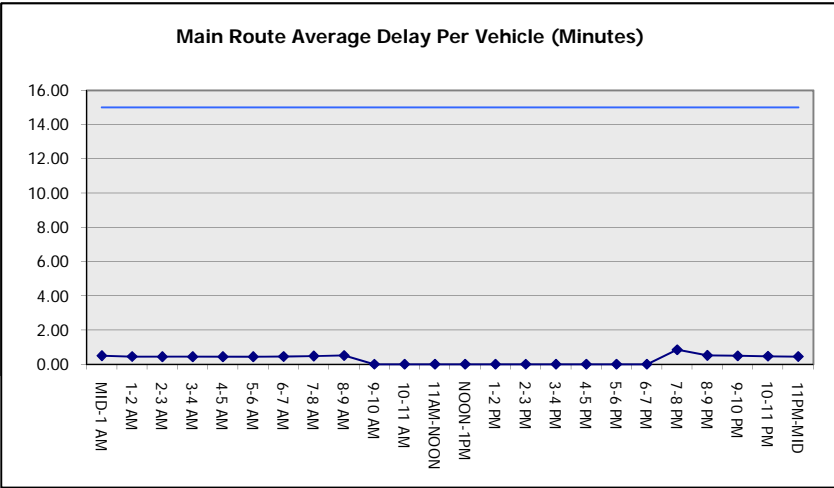
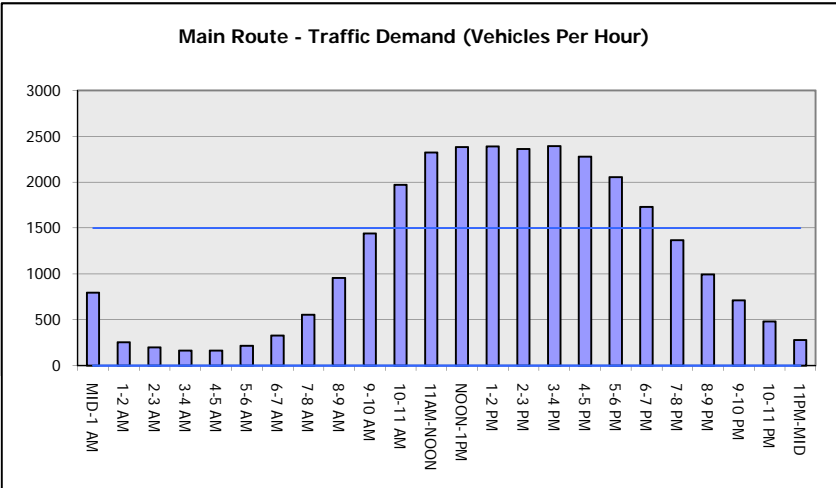
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0238
MAIN ROUTE WITH WORKS	0.0233
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$993
CONGESTED HOURS PER DAY*	0

*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	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	OFF	880	0	0.00	0	64.8	64.8	64.8
10-11 AM	1364	0.0	OFF	1364	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1732	0.0	OFF	1732	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1869	0.0	OFF	1869	0	0.00	0	62.9	62.9	62.9
1-2 PM	1952	0.0	OFF	1952	0	0.00	0	62.7	62.7	62.7
2-3 PM	1960	0.0	OFF	1960	0	0.00	0	62.7	62.7	62.7
3-4 PM	1928	0.0	OFF	1928	0	0.00	0	62.8	62.8	62.8
4-5 PM	1963	0.0	OFF	1963	0	0.00	0	62.7	62.7	62.7
5-6 PM	1843	0.0	OFF	1843	0	0.00	0	63.0	63.0	63.0
6-7 PM	1608	0.0	OFF	1608	0	0.00	0	63.4	63.4	63.4
7-8 PM	1308	0.0	1500	1308	0	0.78	0	64.0	55.1	35.3
8-9 PM	1140	0.0	1500	1140	0	0.56	0	64.3	57.6	40.5
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

"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	0.0196
MAIN ROUTE WITH WORKS	0.0192
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$868
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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