

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

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	344	0.0	1500	344	0	0.46	0	65.8	60.0	44.1
1-2 AM	198	0.0	1500	198	0	0.44	0	66.0	60.4	44.7
2-3 AM	196	0.0	1500	196	0	0.44	0	66.0	60.4	44.7
3-4 AM	225	0.0	1500	225	0	0.44	0	66.0	60.3	44.6
4-5 AM	372	0.0	1500	372	0	0.46	0	65.7	59.9	44.0
5-6 AM	820	0.0	OFF	820	0	0.00	0	64.8	64.8	64.8
6-7 AM	1617	0.0	OFF	1617	0	0.00	0	63.3	63.3	63.3
7-8 AM	2185	0.0	OFF	2185	0	0.00	0	62.3	62.3	62.3
8-9 AM	1872	0.0	OFF	1872	0	0.00	0	62.9	62.9	62.9
9-10 AM	1796	0.0	OFF	1796	0	0.00	0	63.0	63.0	63.0
10-11 AM	1919	0.0	OFF	1919	0	0.00	0	62.8	62.8	62.8
11AM-NOON	2056	0.0	OFF	2056	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2196	0.0	OFF	2196	0	0.00	0	62.3	62.3	62.3
1-2 PM	2384	0.0	OFF	2384	0	0.00	0	61.9	61.9	61.9
2-3 PM	2615	0.0	OFF	2615	0	0.00	0	59.7	59.7	59.7
3-4 PM	2695	0.0	OFF	2695	0	0.00	0	58.9	58.9	58.9
4-5 PM	2842	0.0	OFF	2842	0	0.00	0	57.4	57.4	57.4
5-6 PM	2430	0.0	OFF	2430	0	0.00	0	61.6	61.6	61.6
6-7 PM	1682	0.0	OFF	1682	0	0.00	0	63.3	63.3	63.3
7-8 PM	1220	0.0	1500	1220	0	0.66	0	64.1	56.4	37.8
8-9 PM	1035	0.0	1500	1035	0	0.52	0	64.5	58.2	41.5
9-10 PM	991	0.0	1500	991	0	0.52	0	64.5	58.3	41.7
10-11 PM	821	0.0	1500	821	0	0.50	0	64.8	58.7	42.3
11PM-MID	495	0.0	1500	495	0	0.47	0	65.5	59.6	43.5

"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

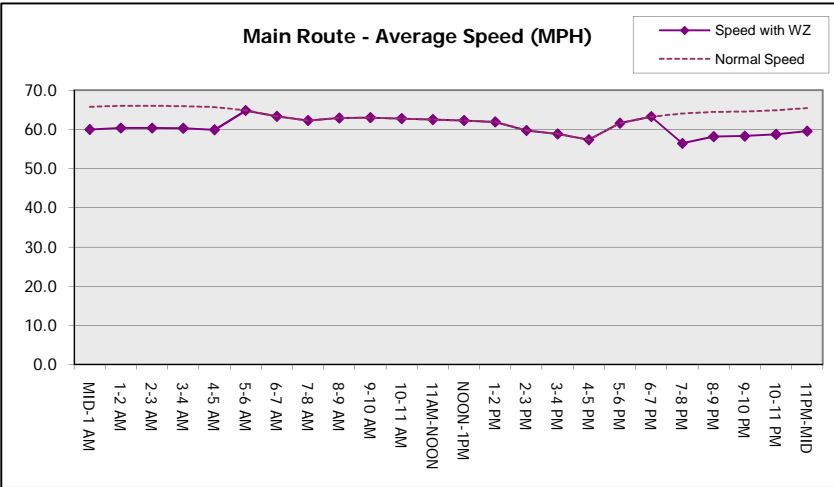
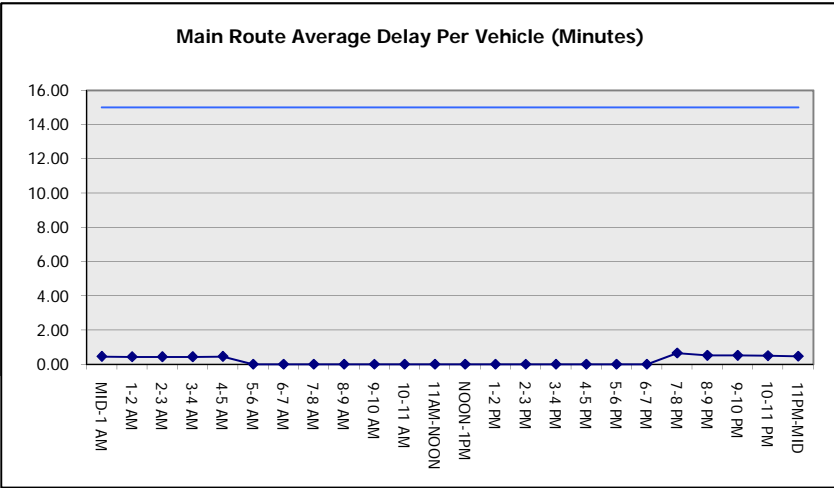
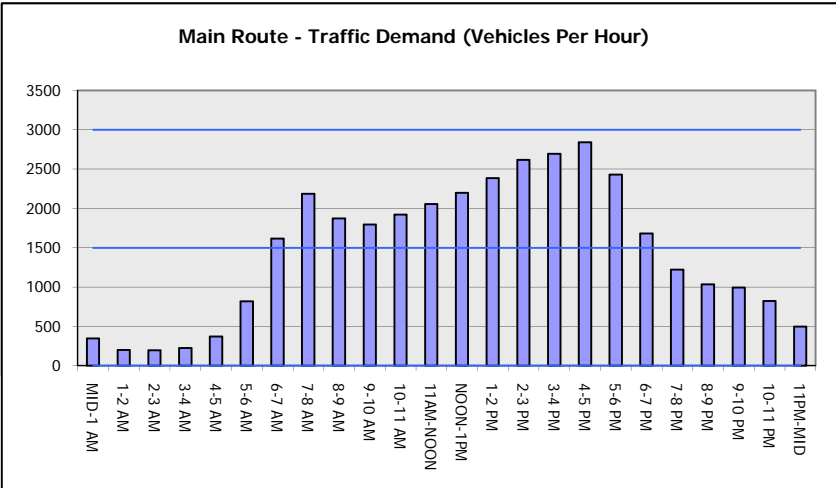
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0290
MAIN ROUTE WITH WORKS	0.0286
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$766
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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	300	0.0	1500	300	0	0.45	0	65.8	60.1	44.3
1-2 AM	202	0.0	1500	202	0	0.44	0	66.0	60.4	44.6
2-3 AM	190	0.0	1500	190	0	0.44	0	66.0	60.4	44.7
3-4 AM	183	0.0	1500	183	0	0.44	0	66.1	60.4	44.8
4-5 AM	327	0.0	1500	327	0	0.45	0	65.8	60.1	44.2
5-6 AM	831	0.0	OFF	831	0	0.00	0	64.8	64.8	64.8
6-7 AM	1491	0.0	OFF	1491	0	0.00	0	63.6	63.6	63.6
7-8 AM	2279	0.0	OFF	2279	0	0.00	0	62.2	62.2	62.2
8-9 AM	1827	0.0	OFF	1827	0	0.00	0	63.0	63.0	63.0
9-10 AM	1846	0.0	OFF	1846	0	0.00	0	63.0	63.0	63.0
10-11 AM	2047	0.0	OFF	2047	0	0.00	0	62.6	62.6	62.6
11AM-NOON	2202	0.0	OFF	2202	0	0.00	0	62.3	62.3	62.3
NOON-1PM	2314	0.0	OFF	2314	0	0.00	0	62.1	62.1	62.1
1-2 PM	2415	0.0	OFF	2415	0	0.00	0	61.8	61.8	61.8
2-3 PM	2685	0.0	OFF	2685	0	0.00	0	59.0	59.0	59.0
3-4 PM	2925	0.0	OFF	2925	0	0.00	0	56.5	56.5	56.5
4-5 PM	3122	0.0	OFF	3122	0	0.00	0	54.5	54.5	54.5
5-6 PM	2980	0.0	OFF	2980	0	0.00	0	56.0	56.0	56.0
6-7 PM	2379	0.0	OFF	2379	0	0.00	0	62.0	62.0	62.0
7-8 PM	1846	0.0	1499	1846	0	7.78	204	63.0	24.5	30.8
8-9 PM	1380	0.0	1499	1380	0	12.36	308	63.8	18.1	30.8
9-10 PM	1136	0.0	1499	1136	0	2.80	82	64.3	40.7	37.1
10-11 PM	861	0.0	1500	861	0	0.51	0	64.8	58.6	42.2
11PM-MID	682	0.0	1500	682	0	0.49	0	65.1	59.1	42.8

"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	0.0318
MAIN ROUTE WITH WORKS	0.0314
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,867
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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