

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	300	0.0	1500	300	0	0.45	0	65.8	60.1	44.3
1-2 AM	190	0.0	1500	190	0	0.44	0	66.0	60.4	44.7
2-3 AM	200	0.0	1500	200	0	0.44	0	66.0	60.4	44.7
3-4 AM	141	0.0	1500	141	0	0.44	0	66.1	60.5	44.9
4-5 AM	129	0.0	1500	129	0	0.43	0	66.1	60.5	45.0
5-6 AM	180	0.0	1500	180	0	0.44	0	66.1	60.4	44.8
6-7 AM	322	0.0	1500	322	0	0.45	0	65.8	60.1	44.2
7-8 AM	451	0.0	1500	451	0	0.47	0	65.5	59.7	43.7
8-9 AM	774	0.0	1500	774	0	0.50	0	65.0	58.9	42.5
9-10 AM	1220	0.0	OFF	1220	0	0.00	0	64.1	64.1	64.1
10-11 AM	1592	0.0	OFF	1592	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1778	0.0	OFF	1778	0	0.00	0	63.1	63.1	63.1
NOON-1PM	2032	0.0	OFF	2032	0	0.00	0	62.6	62.6	62.6
1-2 PM	2004	0.0	OFF	2004	0	0.00	0	62.7	62.7	62.7
2-3 PM	2003	0.0	OFF	2003	0	0.00	0	62.7	62.7	62.7
3-4 PM	2045	0.0	OFF	2045	0	0.00	0	62.6	62.6	62.6
4-5 PM	2100	0.0	OFF	2100	0	0.00	0	62.5	62.5	62.5
5-6 PM	1875	0.0	OFF	1875	0	0.00	0	62.9	62.9	62.9
6-7 PM	1491	0.0	OFF	1491	0	0.00	0	63.6	63.6	63.6
7-8 PM	1248	0.0	1500	1248	0	0.70	0	64.1	56.0	37.0
8-9 PM	913	0.0	1500	913	0	0.51	0	64.7	58.5	42.0
9-10 PM	696	0.0	1500	696	0	0.49	0	65.1	59.1	42.8
10-11 PM	488	0.0	1500	488	0	0.47	0	65.5	59.6	43.5
11PM-MID	270	0.0	1500	270	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

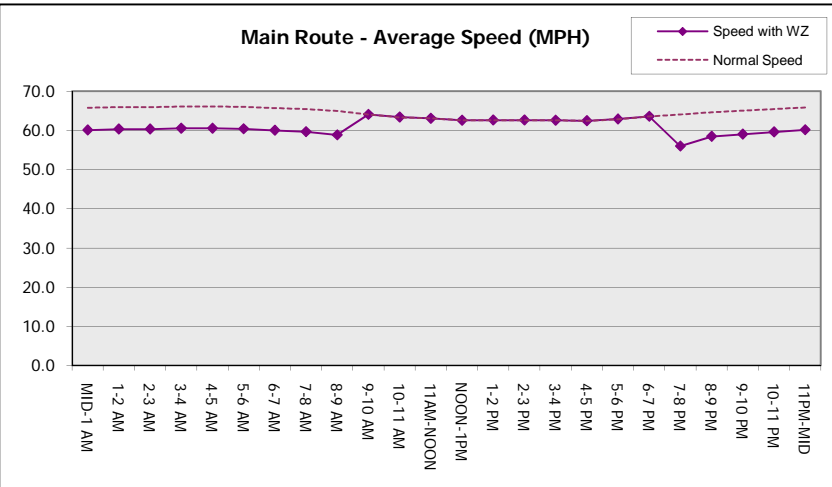
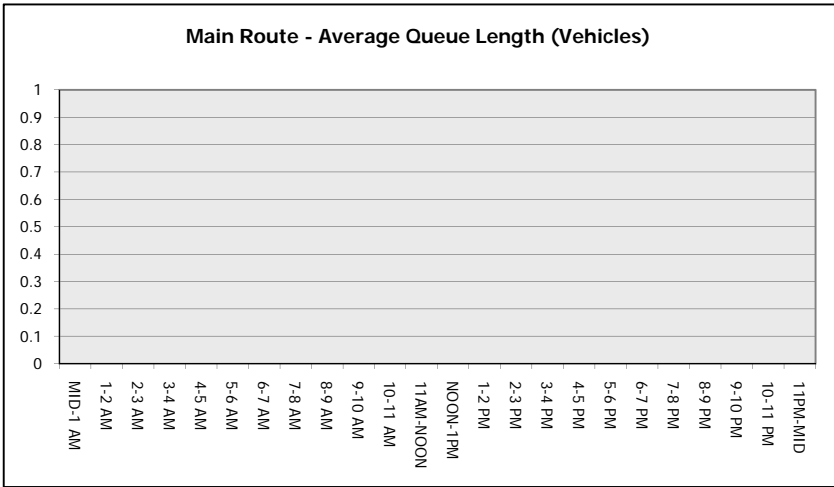
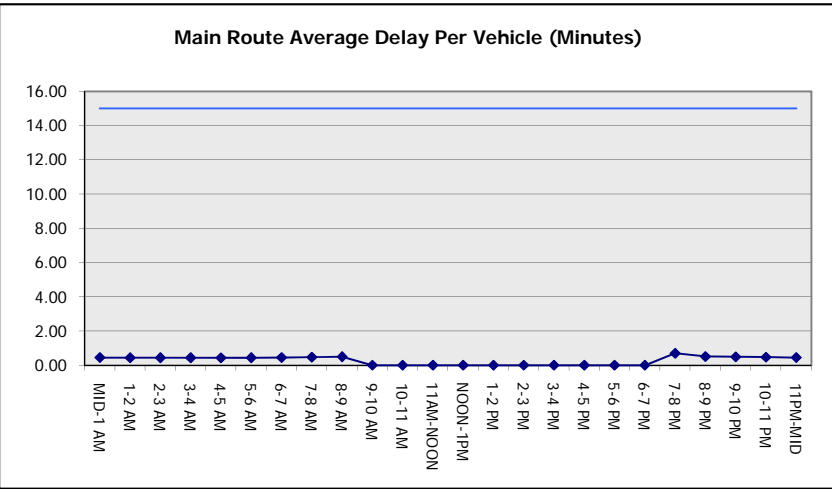
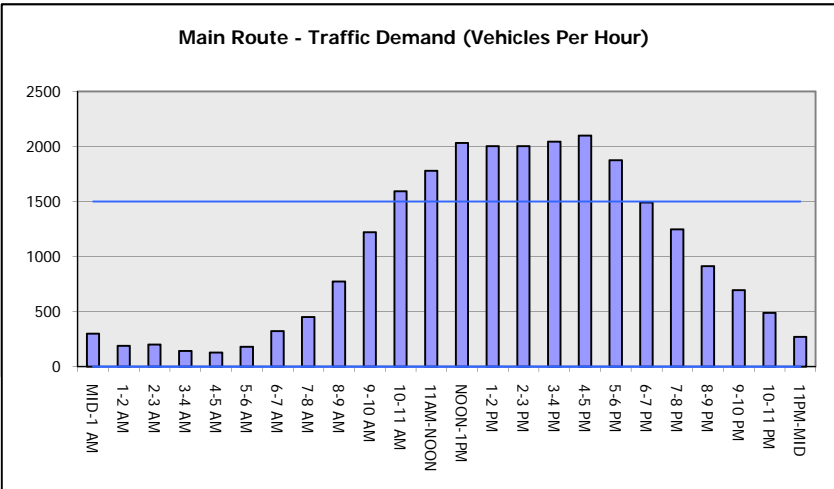
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0198
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$783
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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

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	275	0.0	1500	275	0	0.45	0	65.9	60.2	44.4
1-2 AM	171	0.0	1500	171	0	0.44	0	66.1	60.4	44.8
2-3 AM	147	0.0	1500	147	0	0.44	0	66.1	60.5	44.9
3-4 AM	84	0.0	1500	84	0	0.43	0	66.2	60.7	45.1
4-5 AM	94	0.0	1500	94	0	0.43	0	66.2	60.7	45.1
5-6 AM	233	0.0	1500	233	0	0.45	0	66.0	60.3	44.5
6-7 AM	267	0.0	1500	267	0	0.45	0	65.9	60.2	44.4
7-8 AM	477	0.0	1500	477	0	0.47	0	65.5	59.6	43.6
8-9 AM	690	0.0	1500	690	0	0.49	0	65.1	59.1	42.8
9-10 AM	1025	0.0	OFF	1025	0	0.00	0	64.5	64.5	64.5
10-11 AM	1442	0.0	OFF	1442	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1686	0.0	OFF	1686	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1776	0.0	OFF	1776	0	0.00	0	63.1	63.1	63.1
1-2 PM	1692	0.0	OFF	1692	0	0.00	0	63.2	63.2	63.2
2-3 PM	1620	0.0	OFF	1620	0	0.00	0	63.3	63.3	63.3
3-4 PM	1760	0.0	OFF	1760	0	0.00	0	63.1	63.1	63.1
4-5 PM	1686	0.0	OFF	1686	0	0.00	0	63.2	63.2	63.2
5-6 PM	1664	0.0	OFF	1664	0	0.00	0	63.3	63.3	63.3
6-7 PM	1510	0.0	OFF	1510	0	0.00	0	63.6	63.6	63.6
7-8 PM	1225	0.0	1500	1225	0	0.67	0	64.1	56.3	37.7
8-9 PM	978	0.0	1500	978	0	0.52	0	64.6	58.3	41.7
9-10 PM	775	0.0	1500	775	0	0.50	0	65.0	58.9	42.5
10-11 PM	521	0.0	1500	521	0	0.47	0	65.4	59.5	43.4
11PM-MID	303	0.0	1500	303	0	0.45	0	65.8	60.1	44.3

"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	0.0183
MAIN ROUTE WITH WORKS	0.0179
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$770
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

USH 41: BREEZEWOOD LN/BELL ST TO STH 76 (WINNEBAGO COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

