

USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 21 - USH 45	MAY
	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		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	244	0.0	62	0.0	OFF	244	0	62	0.00	0	66.0	66.0	66.0	22.8	22.8
1-2 AM	201	0.0	51	0.0	OFF	201	0	51	0.00	0	66.0	66.0	66.0	22.9	22.9
2-3 AM	199	0.0	50	0.0	OFF	199	0	50	0.00	0	66.0	66.0	66.0	22.9	22.9
3-4 AM	269	0.0	68	0.0	OFF	269	0	68	0.00	0	65.9	65.9	65.9	22.7	22.7
4-5 AM	447	0.0	114	0.0	OFF	447	0	114	0.00	0	65.6	65.6	65.6	22.1	22.1
5-6 AM	1020	0.0	260	0.0	OFF	1020	0	260	0.00	0	64.5	64.5	64.5	20.2	20.2
6-7 AM	1906	0.0	486	0.0	OFF	1906	0	486	0.00	0	62.8	62.8	62.8	17.3	17.3
7-8 AM	2774	0.0	707	0.0	OFF	2774	0	707	0.00	0	58.1	58.1	58.1	14.4	14.4
8-9 AM	2394	0.0	610	0.0	OFF	2394	0	610	0.00	0	61.9	61.9	61.9	15.6	15.6
9-10 AM	2058	0.0	525	0.0	OFF	2058	0	525	0.00	0	62.5	62.5	62.5	16.8	16.8
10-11 AM	2135	0.0	545	0.0	1499	1920	215	760	9.88	264	62.4	11.4	30.8	16.5	15.3
11A-NOON	2220	0.0	566	0.0	1499	1571	649	1215	17.92	457	62.2	8.4	30.8	16.2	12.1
NOON-1PM	2409	0.0	614	0.0	1500	1615	794	1407	21.34	551	61.9	7.8	30.8	15.6	11.0
1-2 PM	2588	0.0	660	0.0	1499	1599	989	1649+	24.95	651	60.0	7.3	30.8	15.0	10.1
2-3 PM	2977	0.0	759	0.0	1499	1619	1358	2116+	29.80	790	56.0	6.9	30.8	13.7	9.3
3-4 PM	3315	0.0	845	0.0	OFF	3315	0	845	7.55	481	52.5	11.7	11.7	12.8	12.8
4-5 PM	3480	0.0	887	0.0	OFF	3480	0	887	0.34	18	50.9	44.1	44.1	12.4	12.4
5-6 PM	3092	0.0	789	0.0	OFF	3092	0	789	0.00	0	54.8	54.8	54.8	13.4	13.4
6-7 PM	2160	0.0	551	0.0	OFF	2160	0	551	0.00	0	62.3	62.3	62.3	16.4	16.4
7-8 PM	1489	0.0	380	0.0	OFF	1489	0	380	0.00	0	63.6	63.6	63.6	18.6	18.6
8-9 PM	1212	0.0	309	0.0	OFF	1212	0	309	0.00	0	64.1	64.1	64.1	19.6	19.6
9-10 PM	1041	0.0	266	0.0	OFF	1041	0	266	0.00	0	64.5	64.5	64.5	20.1	20.1
10-11 PM	923	0.0	236	0.0	OFF	923	0	236	0.00	0	64.6	64.6	64.6	20.6	20.6
11PM-MID	640	0.0	164	0.0	OFF	640	0	164	0.00	0	65.2	65.2	65.2	21.5	21.5

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0125
MAIN ROUTE WITH WORKS	0.0107
DIVERSION	0.0540

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$65,997
CONGESTED HOURS PER DAY*	4

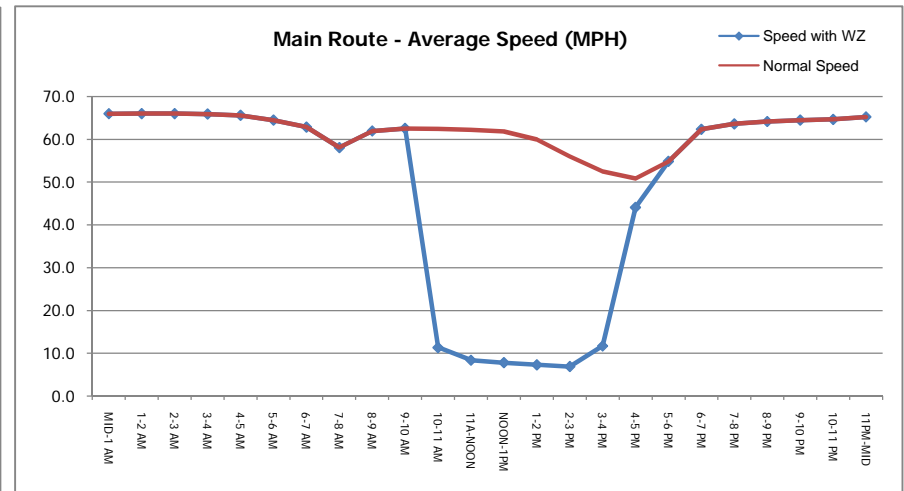
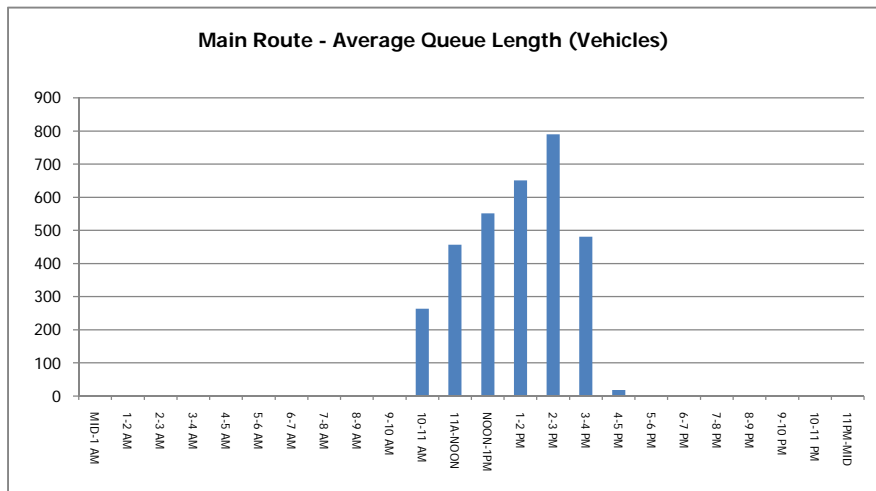
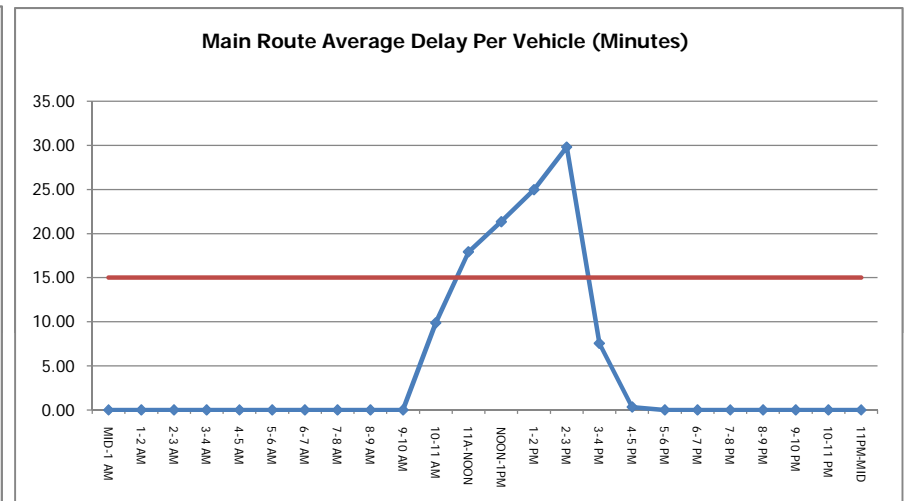
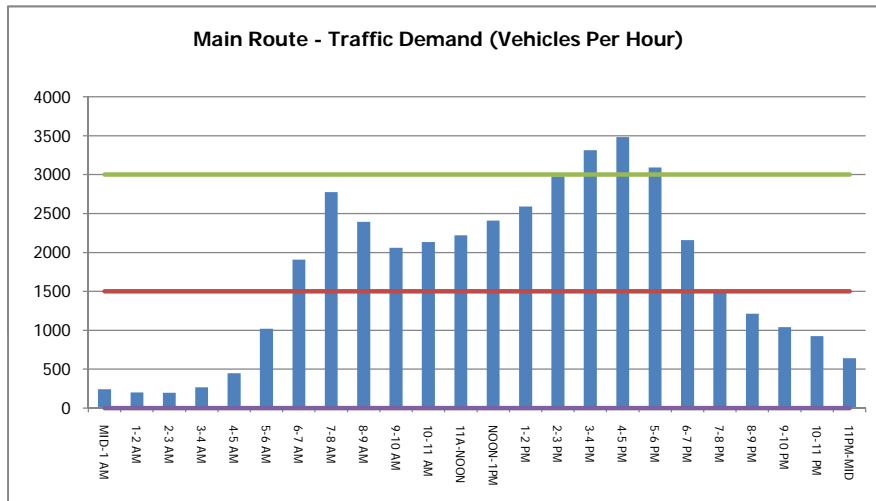
*Delays Exceeding 15 Minutes

USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 21 - USH 45

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION



USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 21 - USH 45	MAY
	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		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	275	0.0	70	0.0	OFF	275	0	70	0.00	0	65.9	65.9	65.9	21.7	21.7
1-2 AM	216	0.0	55	0.0	OFF	216	0	55	0.00	0	66.0	66.0	66.0	22.2	22.2
2-3 AM	191	0.0	48	0.0	OFF	191	0	48	0.00	0	66.0	66.0	66.0	22.3	22.3
3-4 AM	241	0.0	62	0.0	OFF	241	0	62	0.00	0	66.0	66.0	66.0	22.0	22.0
4-5 AM	344	0.0	88	0.0	OFF	344	0	88	0.00	0	65.8	65.8	65.8	21.3	21.3
5-6 AM	934	0.0	238	0.0	OFF	934	0	238	0.00	0	64.6	64.6	64.6	17.3	17.3
6-7 AM	1790	0.0	456	0.0	OFF	1790	0	456	0.00	0	63.0	63.0	63.0	12.2	12.2
7-8 AM	2578	0.0	657	0.0	OFF	2578	0	657	0.00	0	60.1	60.1	60.1	9.1	9.1
8-9 AM	2044	0.0	521	0.0	OFF	2044	0	521	0.00	0	62.6	62.6	62.6	11.2	11.2
9-10 AM	2065	0.0	526	0.0	OFF	2065	0	526	0.00	0	62.5	62.5	62.5	11.1	11.1
10-11 AM	2233	0.0	569	0.0	OFF	1499	2184	618	12.27	351	62.2	10.4	30.8	10.4	11.2
11A-NOON	2343	0.0	597	0.0	OFF	1125	876	2064+	36.76	704	62.0	5.5	37.2	10.0	8.8
NOON-1PM	2462	0.0	628	0.0	OFF	1065	1414	1676+	26.54	478	61.3	6.0	37.6	9.5	8.6
1-2 PM	2699	0.0	688	0.0	OFF	1500	1516	1871+	30.01	789	58.9	6.9	30.8	8.6	9.2
2-3 PM	2961	0.0	755	0.0	OFF	1500	1519	2197+	30.55	809	56.1	6.8	30.8	7.8	9.1
3-4 PM	3158	0.0	805	0.0	OFF	3158	0	805+	6.36	398	54.2	13.5	13.5	7.4	7.4
4-5 PM	3449	0.0	879	0.0	OFF	3449	0	879+	0.00	0	51.2	51.2	51.2	6.8	6.8
5-6 PM	3463	0.0	883	0.0	OFF	3463	0	883+	0.00	0	51.0	51.0	51.0	6.8	6.8
6-7 PM	2879	0.0	734	0.0	OFF	2879	0	734+	0.00	0	57.0	57.0	57.0	7.9	7.9
7-8 PM	2285	0.0	583	0.0	OFF	2285	0	583	0.00	0	62.1	62.1	62.1	10.2	10.2
8-9 PM	1753	0.0	447	0.0	OFF	1753	0	447	0.00	0	63.1	63.1	63.1	12.3	12.3
9-10 PM	1290	0.0	328	0.0	OFF	1290	0	328	0.00	0	64.0	64.0	64.0	14.9	14.9
10-11 PM	908	0.0	232	0.0	OFF	908	0	232	0.00	0	64.7	64.7	64.7	17.5	17.5
11PM-MID	651	0.0	166	0.0	OFF	651	0	166	0.00	0	65.1	65.1	65.1	19.3	19.3

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0131
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.0604

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$83,782
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 21 - USH 45

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

