

USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 21 - USH 45	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	249	0.0	64	0.0	OFF	249	0	64	0.00	0	66.0	66.0	66.0	22.8	22.8
1-2 AM	202	0.0	51	0.0	OFF	202	0	51	0.00	0	66.0	66.0	66.0	22.9	22.9
2-3 AM	191	0.0	48	0.0	OFF	191	0	48	0.00	0	66.0	66.0	66.0	23.0	23.0
3-4 AM	285	0.0	73	0.0	OFF	285	0	73	0.00	0	65.8	65.8	65.8	22.7	22.7
4-5 AM	538	0.0	137	0.0	OFF	538	0	137	0.00	0	65.4	65.4	65.4	21.8	21.8
5-6 AM	1230	0.0	314	0.0	OFF	1230	0	314	0.00	0	64.1	64.1	64.1	19.5	19.5
6-7 AM	2192	0.0	559	0.0	OFF	2192	0	559	0.00	0	62.3	62.3	62.3	16.3	16.3
7-8 AM	3007	0.0	767	0.0	OFF	3007	0	767	0.00	0	55.7	55.7	55.7	13.6	13.6
8-9 AM	2420	0.0	617	0.0	OFF	2420	0	617	0.00	0	61.7	61.7	61.7	15.6	15.6
9-10 AM	2119	0.0	540	0.0	OFF	2119	0	540	0.00	0	62.4	62.4	62.4	16.6	16.6
10-11 AM	2154	0.0	550	0.0	1499	1928	227	777	10.14	271	62.3	11.2	30.8	16.5	15.2
11A-NOON	2273	0.0	579	0.0	1499	1590	683	1263	18.69	478	62.2	8.2	30.8	16.0	11.9
NOON-1PM	2373	0.0	605	0.0	1499	1569	803	1408	21.44	553	62.0	7.8	30.8	15.7	11.0
1-2 PM	2476	0.0	631	0.0	1499	1558	917	1548+	23.63	613	61.2	7.5	30.8	15.4	10.4
2-3 PM	2749	0.0	701	0.0	1500	1647	1103	1803+	27.32	718	58.3	7.1	30.8	14.5	9.6
3-4 PM	2999	0.0	765	0.0	OFF	2999	0	765	5.05	313	55.8	16.1	16.1	13.6	13.6
4-5 PM	3269	0.0	834	0.0	OFF	3269	0	834	0.00	0	53.0	53.0	53.0	12.9	12.9
5-6 PM	2864	0.0	730	0.0	OFF	2864	0	730	0.00	0	57.1	57.1	57.1	14.1	14.1
6-7 PM	1869	0.0	477	0.0	OFF	1869	0	477	0.00	0	62.9	62.9	62.9	17.4	17.4
7-8 PM	1378	0.0	352	0.0	OFF	1378	0	352	0.00	0	63.8	63.8	63.8	19.0	19.0
8-9 PM	1201	0.0	307	0.0	OFF	1201	0	307	0.00	0	64.1	64.1	64.1	19.6	19.6
9-10 PM	978	0.0	249	0.0	OFF	978	0	249	0.00	0	64.6	64.6	64.6	20.4	20.4
10-11 PM	799	0.0	203	0.0	OFF	799	0	203	0.00	0	64.9	64.9	64.9	20.9	20.9
11PM-MID	540	0.0	136	0.0	OFF	540	0	136	0.00	0	65.4	65.4	65.4	21.8	21.8

"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	0.0122
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0522

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$61,216
CONGESTED HOURS PER DAY*	4

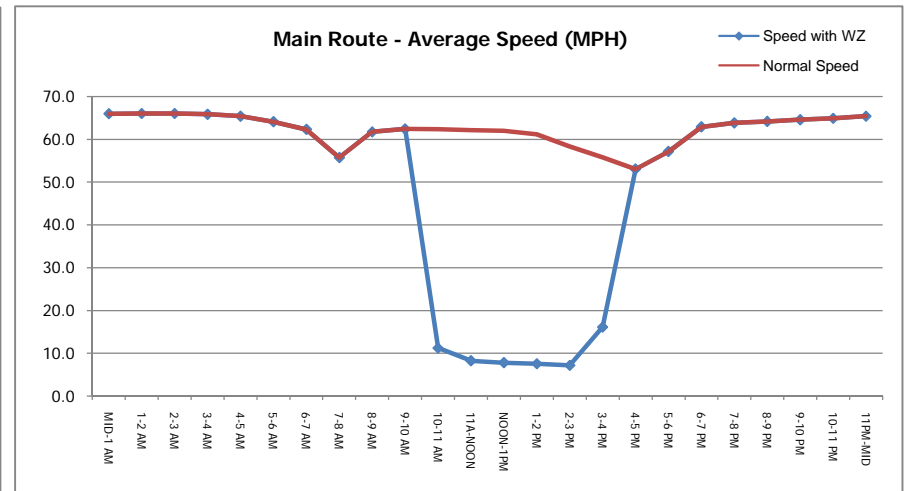
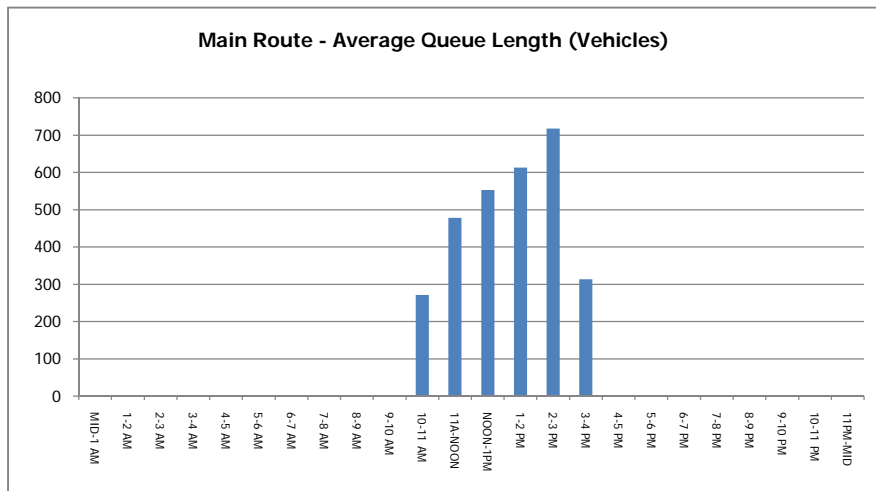
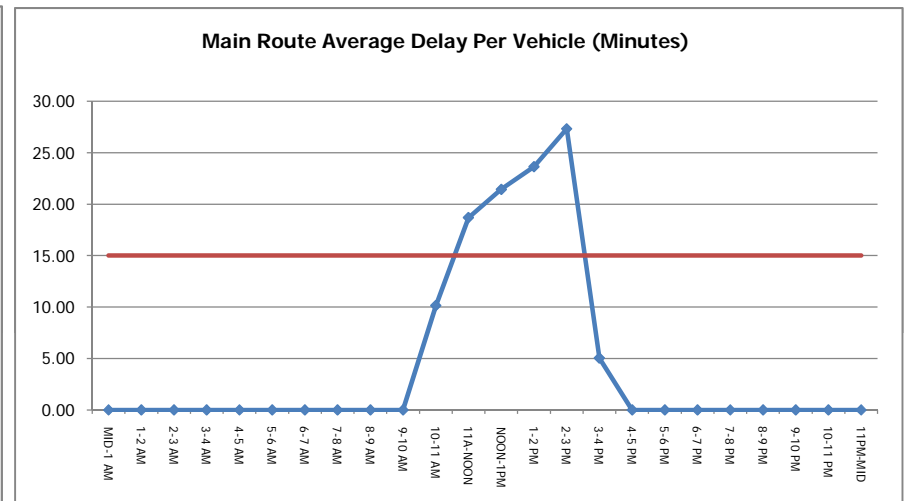
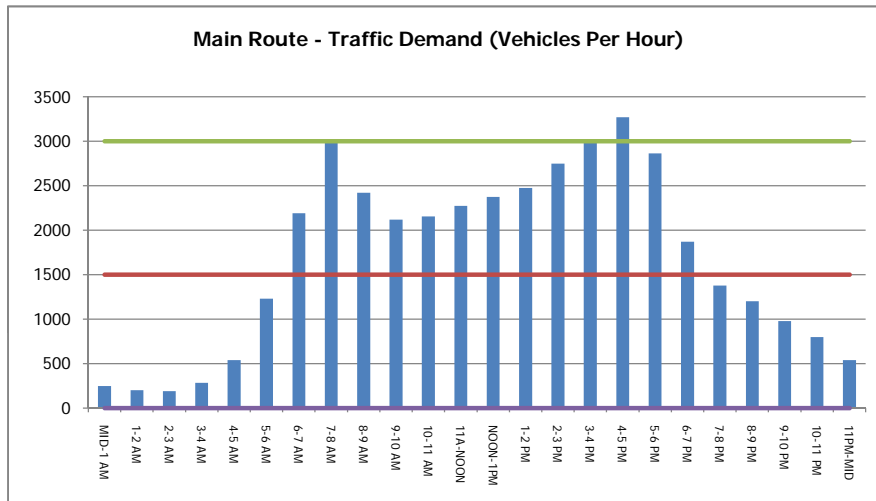
*Delays Exceeding 15 Minutes

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

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION



USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 21 - USH 45	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
MON-THUR	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	259	0.0	67	0.0	OFF	259	0	67	0.00	0	65.9	65.9	65.9	21.9	21.9
1-2 AM	194	0.0	50	0.0	OFF	194	0	50	0.00	0	66.0	66.0	66.0	22.3	22.3
2-3 AM	180	0.0	46	0.0	OFF	180	0	46	0.00	0	66.1	66.1	66.1	22.4	22.4
3-4 AM	222	0.0	57	0.0	OFF	222	0	57	0.00	0	66.0	66.0	66.0	22.1	22.1
4-5 AM	374	0.0	96	0.0	OFF	374	0	96	0.00	0	65.7	65.7	65.7	21.1	21.1
5-6 AM	1016	0.0	259	0.0	OFF	1016	0	259	0.00	0	64.5	64.5	64.5	16.8	16.8
6-7 AM	1830	0.0	467	0.0	OFF	1830	0	467	0.00	0	63.0	63.0	63.0	12.0	12.0
7-8 AM	2516	0.0	641	0.0	OFF	2516	0	641	0.00	0	60.7	60.7	60.7	9.3	9.3
8-9 AM	1911	0.0	487	0.0	OFF	1911	0	487	0.00	0	62.8	62.8	62.8	11.7	11.7
9-10 AM	1872	0.0	478	0.0	OFF	1872	0	478	0.00	0	62.9	62.9	62.9	11.9	11.9
10-11 AM	2014	0.0	514	0.0	1499	2003	11	525	8.86	249	62.7	12.3	30.8	11.3	12.0
11A-NOON	2070	0.0	528	0.0	1499	1772	298	826+	25.33	660	62.5	7.3	30.8	11.1	10.1
NOON-1PM	2084	0.0	531	0.0	1500	1501	583	1115+	29.93	781	62.5	7.0	30.8	11.0	9.3
1-2 PM	2183	0.0	557	0.0	1500	1502	682	1238+	29.94	782	62.3	7.0	30.8	10.6	9.3
2-3 PM	2398	0.0	611	0.0	1500	1502	896	1507+	29.97	783	61.9	7.0	30.8	9.7	9.3
3-4 PM	2713	0.0	692	0.0	OFF	2713	0	692	3.85	236	58.7	19.7	19.7	8.5	8.5
4-5 PM	3061	0.0	780	0.0	OFF	3061	0	780+	0.00	0	55.1	55.1	55.1	7.6	7.6
5-6 PM	2898	0.0	738	0.0	OFF	2898	0	738+	0.00	0	56.8	56.8	56.8	7.9	7.9
6-7 PM	1987	0.0	505	0.0	OFF	1987	0	505	0.00	0	62.7	62.7	62.7	11.4	11.4
7-8 PM	1426	0.0	362	0.0	OFF	1426	0	362	0.00	0	63.7	63.7	63.7	14.0	14.0
8-9 PM	1165	0.0	296	0.0	OFF	1165	0	296	0.00	0	64.2	64.2	64.2	15.8	15.8
9-10 PM	911	0.0	232	0.0	OFF	911	0	232	0.00	0	64.7	64.7	64.7	17.5	17.5
10-11 PM	655	0.0	167	0.0	OFF	655	0	167	0.00	0	65.1	65.1	65.1	19.2	19.2
11PM-MID	457	0.0	116	0.0	OFF	457	0	116	0.00	0	65.5	65.5	65.5	20.6	20.6

"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	0.0110
MAIN ROUTE WITH WORKS	0.0097
DIVERSION	0.0438

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$65,012
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR NORTHBOUND DIRECTION

