

<b>USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: STH 21 - USH 45</b>	<b>MAY</b>
	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	212	0.0	54	0.0	OFF	212	0	54	0.00	0	66.0	66.0	66.0	22.9	22.9
1-2 AM	182	0.0	46	0.0	OFF	182	0	46	0.00	0	66.1	66.1	66.1	23.0	23.0
2-3 AM	178	0.0	45	0.0	OFF	178	0	45	0.00	0	66.1	66.1	66.1	23.0	23.0
3-4 AM	227	0.0	58	0.0	OFF	227	0	58	0.00	0	66.0	66.0	66.0	22.9	22.9
4-5 AM	456	0.0	117	0.0	OFF	456	0	117	0.00	0	65.5	65.5	65.5	22.0	22.0
5-6 AM	1079	0.0	276	0.0	OFF	1079	0	276	0.00	0	64.4	64.4	64.4	20.0	20.0
6-7 AM	2011	0.0	512	0.0	OFF	2011	0	512	0.00	0	62.7	62.7	62.7	17.0	17.0
7-8 AM	2842	0.0	724	0.0	OFF	2842	0	724	0.00	0	57.4	57.4	57.4	14.2	14.2
8-9 AM	2263	0.0	576	0.0	OFF	2263	0	576	0.00	0	62.2	62.2	62.2	16.1	16.1
9-10 AM	1975	0.0	503	0.0	OFF	1975	0	503	0.00	0	62.7	62.7	62.7	17.0	17.0
10-11 AM	1961	0.0	499	0.0	1499	1849	112	612	7.74	205	62.7	13.2	30.8	17.1	16.4
11A-NOON	2033	0.0	518	0.0	1499	1551	482	1000	15.06	379	62.6	9.0	30.8	16.8	13.4
NOON-1PM	2128	0.0	541	0.0	1500	1543	584	1126	16.62	422	62.4	8.6	30.8	16.5	12.7
1-2 PM	2239	0.0	570	0.0	1500	1562	677	1247	18.42	471	62.2	8.3	30.8	16.1	11.9
2-3 PM	2480	0.0	632	0.0	1500	1646	834	1466+	22.20	575	61.1	7.7	30.8	15.3	10.7
3-4 PM	2938	0.0	749	0.0	OFF	2938	0	749	3.27	199	56.4	21.5	21.5	13.8	13.8
4-5 PM	3196	0.0	815	0.0	OFF	3196	0	815	0.00	0	53.8	53.8	53.8	13.0	13.0
5-6 PM	2832	0.0	722	0.0	OFF	2832	0	722	0.00	0	57.5	57.5	57.5	14.2	14.2
6-7 PM	1863	0.0	476	0.0	OFF	1863	0	476	0.00	0	62.9	62.9	62.9	17.4	17.4
7-8 PM	1371	0.0	349	0.0	OFF	1371	0	349	0.00	0	63.8	63.8	63.8	19.1	19.1
8-9 PM	1204	0.0	308	0.0	OFF	1204	0	308	0.00	0	64.1	64.1	64.1	19.6	19.6
9-10 PM	891	0.0	228	0.0	OFF	891	0	228	0.00	0	64.7	64.7	64.7	20.6	20.6
10-11 PM	690	0.0	176	0.0	OFF	690	0	176	0.00	0	65.1	65.1	65.1	21.3	21.3
11PM-MID	400	0.0	102	0.0	OFF	400	0	102	0.00	0	65.6	65.6	65.6	22.3	22.3

"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	0.0114
MAIN ROUTE WITH WORKS	0.0100
DIVERSION	0.0458

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$41,592
CONGESTED HOURS PER DAY*	4

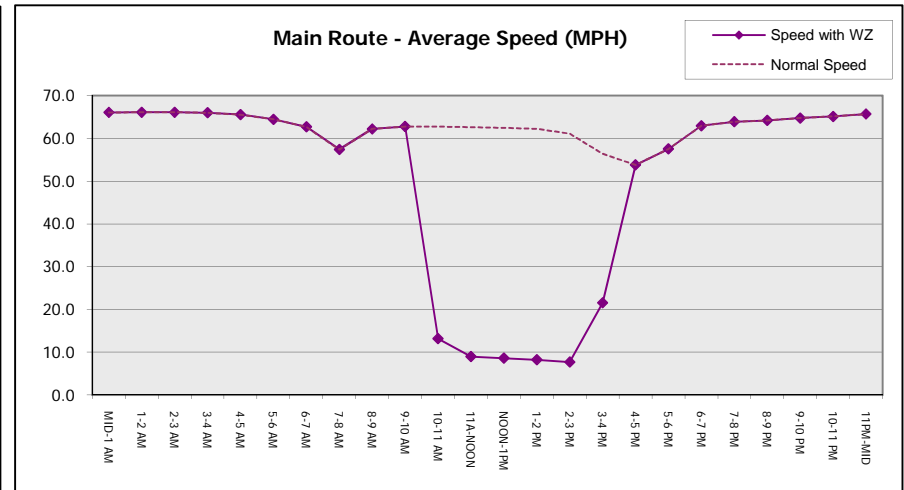
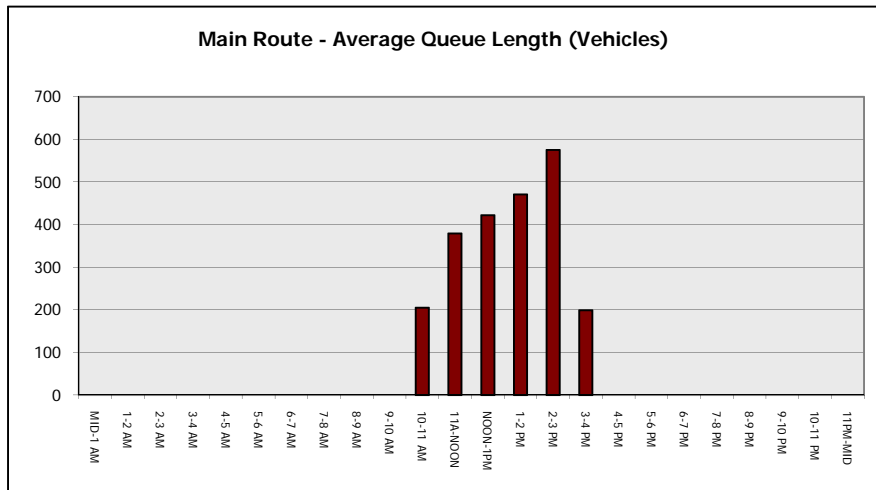
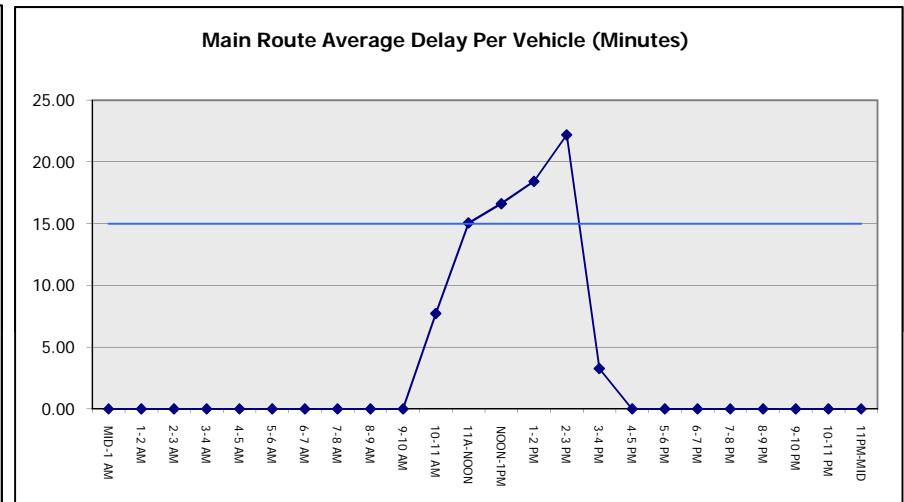
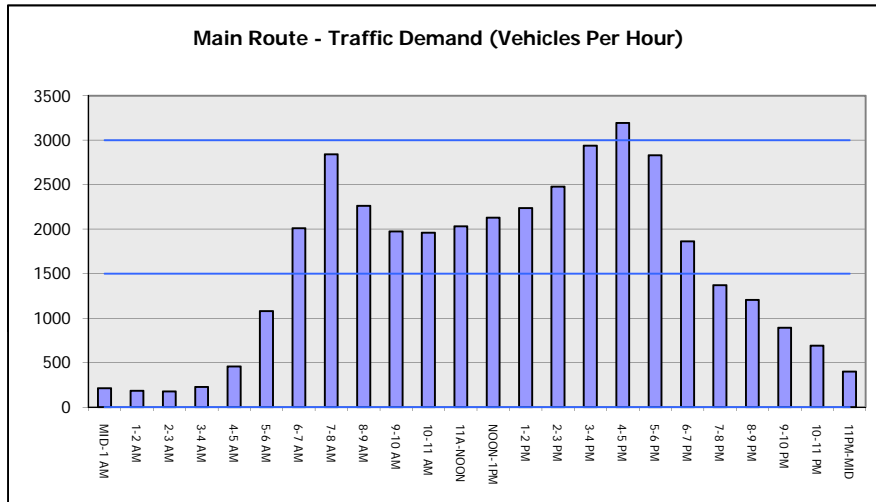
\*Delays Exceeding 15 Minutes

**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**

**MON-THUR SOUTHBOUND DIRECTION**



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

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	213	0.0	55	0.0	OFF	213	0	55	0.00	0	66.0	66.0	66.0	22.2	22.2
1-2 AM	151	0.0	38	0.0	OFF	151	0	38	0.00	0	66.1	66.1	66.1	22.6	22.6
2-3 AM	142	0.0	36	0.0	OFF	142	0	36	0.00	0	66.1	66.1	66.1	22.7	22.7
3-4 AM	194	0.0	49	0.0	OFF	194	0	49	0.00	0	66.0	66.0	66.0	22.3	22.3
4-5 AM	325	0.0	82	0.0	OFF	325	0	82	0.00	0	65.8	65.8	65.8	21.4	21.4
5-6 AM	924	0.0	235	0.0	OFF	924	0	235	0.00	0	64.6	64.6	64.6	17.4	17.4
6-7 AM	1729	0.0	440	0.0	OFF	1729	0	440	0.00	0	63.2	63.2	63.2	12.4	12.4
7-8 AM	2461	0.0	626	0.0	OFF	2461	0	626	0.00	0	61.3	61.3	61.3	9.6	9.6
8-9 AM	1808	0.0	460	0.0	OFF	1808	0	460	0.00	0	63.0	63.0	63.0	12.1	12.1
9-10 AM	1658	0.0	422	0.0	OFF	1658	0	422	0.00	0	63.3	63.3	63.3	12.7	12.7
10-11 AM	1704	0.0	434	0.0	1499	1704	0	434	4.10	98	63.2	19.4	30.8	12.5	12.5
11A-NOON	1772	0.0	451	0.0	1500	1742	30	481	13.00	330	63.1	9.7	30.8	12.2	13.3
NOON-1PM	1832	0.0	467	0.0	1499	1635	197	665	20.17	518	63.0	7.9	30.8	12.0	11.4
1-2 PM	1877	0.0	479	0.0	1499	1581	296	774+	23.87	617	62.9	7.5	30.8	11.8	10.4
2-3 PM	2118	0.0	539	0.0	1500	1650	468	1008+	28.53	744	62.4	7.0	30.8	10.9	9.5
3-4 PM	2457	0.0	625	0.0	OFF	2457	0	625	3.49	213	61.4	21.3	21.3	9.6	9.6
4-5 PM	2752	0.0	700	0.0	OFF	2752	0	700	0.00	0	58.3	58.3	58.3	8.4	8.4
5-6 PM	2606	0.0	663	0.0	OFF	2606	0	663	0.00	0	59.8	59.8	59.8	8.9	8.9
6-7 PM	1814	0.0	462	0.0	OFF	1814	0	462	0.00	0	63.0	63.0	63.0	12.0	12.0
7-8 PM	1264	0.0	321	0.0	OFF	1264	0	321	0.00	0	64.0	64.0	64.0	15.1	15.1
8-9 PM	1064	0.0	271	0.0	OFF	1064	0	271	0.00	0	64.4	64.4	64.4	16.5	16.5
9-10 PM	857	0.0	218	0.0	OFF	857	0	218	0.00	0	64.8	64.8	64.8	17.8	17.8
10-11 PM	592	0.0	151	0.0	OFF	592	0	151	0.00	0	65.3	65.3	65.3	19.6	19.6
11PM-MID	415	0.0	106	0.0	OFF	415	0	106	0.00	0	65.6	65.6	65.6	20.8	20.8

"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	0.0099
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0347

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$40,194
CONGESTED HOURS PER DAY*	3

\*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**

**MON-THUR NORTHBOUND DIRECTION**

