

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**SATURDAY 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	338	0.0	86	0.0	1500	338	0	86	0.46	0	65.8	52.1	44.2	22.5	22.5
1-2 AM	213	0.0	55	0.0	1500	213	0	55	0.44	0	66.0	52.5	44.6	22.9	22.9
2-3 AM	172	0.0	43	0.0	1500	172	0	43	0.44	0	66.1	52.7	44.8	23.0	23.0
3-4 AM	149	0.0	38	0.0	1500	149	0	38	0.44	0	66.1	52.7	44.9	23.1	23.1
4-5 AM	272	0.0	69	0.0	1500	272	0	69	0.45	0	65.9	52.3	44.4	22.7	22.7
5-6 AM	419	0.0	107	0.0	1500	419	0	107	0.46	0	65.6	51.8	43.8	22.2	22.2
6-7 AM	752	0.0	191	0.0	1500	752	0	191	0.50	0	65.0	50.7	42.5	21.1	21.1
7-8 AM	1254	0.0	320	0.0	1499	1254	0	320	0.69	0	64.0	46.1	37.3	19.4	19.4
8-9 AM	1829	0.0	466	0.0	OFF	1829	0	466	0.00	0	63.0	63.0	63.0	17.5	17.5
9-10 AM	2098	0.0	535	0.0	OFF	2098	0	535	0.00	0	62.5	62.5	62.5	16.6	16.6
10-11 AM	2374	0.0	605	0.0	OFF	2374	0	605	0.00	0	62.0	62.0	62.0	15.7	15.7
11A-NOON	2369	0.0	604	0.0	OFF	2369	0	604	0.00	0	62.0	62.0	62.0	15.7	15.7
NOON-1PM	2327	0.0	593	0.0	OFF	2327	0	593	0.00	0	62.0	62.0	62.0	15.9	15.9
1-2 PM	2249	0.0	573	0.0	OFF	2249	0	573	0.00	0	62.2	62.2	62.2	16.1	16.1
2-3 PM	2338	0.0	596	0.0	OFF	2338	0	596	0.00	0	62.0	62.0	62.0	15.8	15.8
3-4 PM	2343	0.0	597	0.0	OFF	2343	0	597	0.00	0	62.0	62.0	62.0	15.8	15.8
4-5 PM	2123	0.0	541	0.0	OFF	2123	0	541	0.00	0	62.4	62.4	62.4	16.5	16.5
5-6 PM	1903	0.0	485	0.0	OFF	1903	0	485	0.00	0	62.8	62.8	62.8	17.3	17.3
6-7 PM	1555	0.0	396	0.0	1499	1555	0	396	2.72	47	63.5	25.2	30.8	18.4	18.4
7-8 PM	1272	0.0	324	0.0	1500	1272	0	324	0.97	8	64.0	41.4	36.0	19.4	19.4
8-9 PM	1159	0.0	295	0.0	1500	1159	0	295	0.58	0	64.2	48.3	39.8	19.7	19.7
9-10 PM	987	0.0	251	0.0	1500	987	0	251	0.52	0	64.5	49.9	41.7	20.3	20.3
10-11 PM	787	0.0	201	0.0	1500	787	0	201	0.50	0	64.9	50.5	42.4	21.0	21.0
11PM-MID	466	0.0	119	0.0	1500	466	0	119	0.47	0	65.5	51.7	43.7	22.0	22.0

"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
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0096
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0302

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,327
CONGESTED HOURS PER DAY*	0

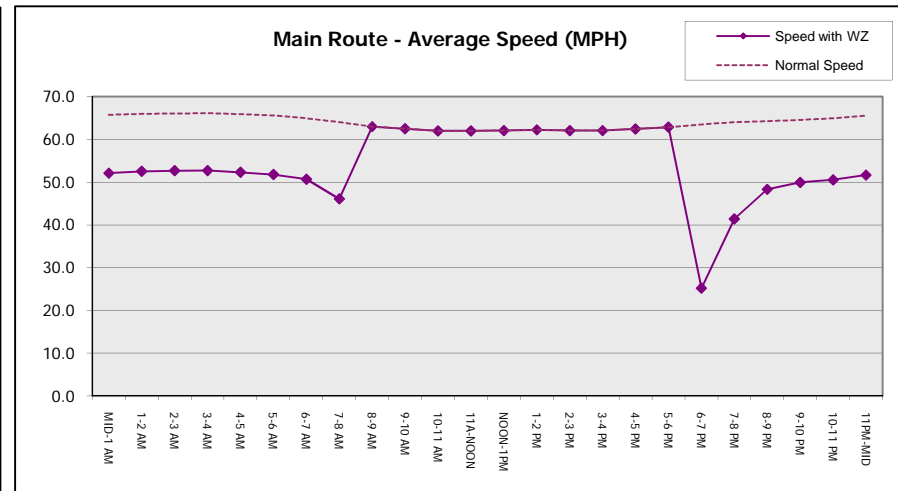
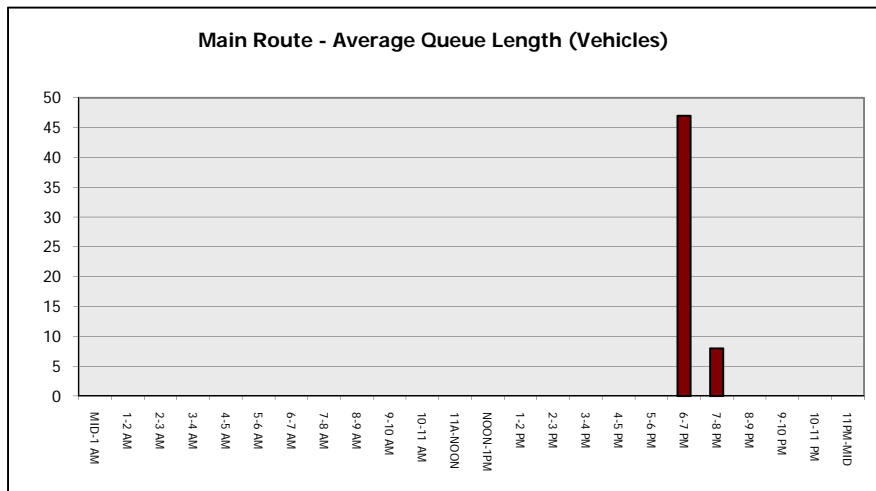
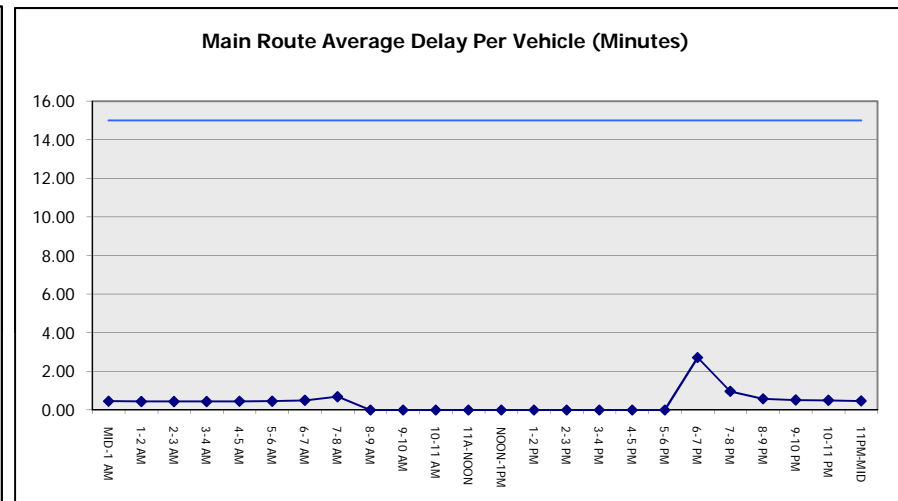
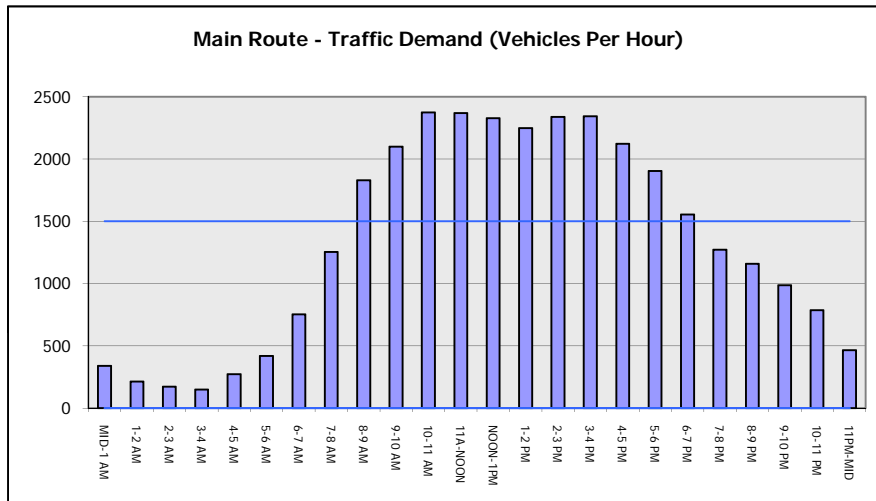
\*Delays Exceeding 15 Minutes

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

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY SOUTHBOUND DIRECTION**



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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	384	0.0	98	0.0	1500	384	0	98	0.46	0	65.6	51.9	44.0	21.0	21.0	
1-2 AM	242	0.0	62	0.0	1500	242	0	62	0.45	0	66.0	52.4	44.5	22.0	22.0	
2-3 AM	198	0.0	50	0.0	1500	198	0	50	0.44	0	66.0	52.6	44.7	22.3	22.3	
3-4 AM	160	0.0	40	0.0	1500	160	0	40	0.44	0	66.1	52.7	44.8	22.5	22.5	
4-5 AM	216	0.0	56	0.0	1500	216	0	56	0.44	0	66.0	52.5	44.6	22.1	22.1	
5-6 AM	476	0.0	121	0.0	1500	476	0	121	0.47	0	65.5	51.6	43.6	20.4	20.4	
6-7 AM	768	0.0	196	0.0	1500	768	0	196	0.50	0	65.0	50.6	42.5	18.4	18.4	
7-8 AM	1264	0.0	322	0.0	1499	1264	0	322	0.71	0	64.0	45.8	36.8	15.1	15.1	
8-9 AM	1672	0.0	426	0.0	OFF	1672	0	426	0.00	0	63.3	63.3	63.3	12.6	12.6	
9-10 AM	2057	0.0	524	0.0	OFF	2057	0	524	0.00	0	62.5	62.5	62.5	11.1	11.1	
10-11 AM	2384	0.0	607	0.0	OFF	2384	0	607	0.00	0	61.9	61.9	61.9	9.8	9.8	
11A-NOON	2461	0.0	627	0.0	OFF	2461	0	627	0.00	0	61.3	61.3	61.3	9.5	9.5	
NOON-1PM	2428	0.0	619	0.0	OFF	2428	0	619	0.00	0	61.6	61.6	61.6	9.6	9.6	
1-2 PM	2381	0.0	607	0.0	OFF	2381	0	607	0.00	0	62.0	62.0	62.0	9.8	9.8	
2-3 PM	2253	0.0	574	0.0	OFF	2253	0	574	0.00	0	62.2	62.2	62.2	10.3	10.3	
3-4 PM	2121	0.0	540	0.0	OFF	2121	0	540	0.00	0	62.4	62.4	62.4	10.9	10.9	
4-5 PM	2118	0.0	540	0.0	OFF	2118	0	540	0.00	0	62.4	62.4	62.4	10.9	10.9	
5-6 PM	1912	0.0	487	0.0	OFF	1912	0	487	0.00	0	62.8	62.8	62.8	11.7	11.7	
6-7 PM	1555	0.0	396	0.0	1499	1555	0	396	2.71	47	63.5	25.3	30.8	13.2	13.2	
7-8 PM	1292	0.0	329	0.0	1500	1292	0	329	1.05	10	64.0	40.2	35.3	14.9	14.9	
8-9 PM	1074	0.0	274	0.0	1500	1074	0	274	0.53	0	64.4	49.6	41.4	16.4	16.4	
9-10 PM	981	0.0	250	0.0	1500	981	0	250	0.52	0	64.6	49.9	41.7	17.0	17.0	
10-11 PM	784	0.0	200	0.0	1500	784	0	200	0.50	0	64.9	50.5	42.5	18.3	18.3	
11PM-MID	509	0.0	130	0.0	1500	509	0	130	0.47	0	65.5	51.5	43.5	20.2	20.2	

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

*----- 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	0.0096
MAIN ROUTE WITH WORKS	0.0089
DIVERSION	0.0301

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,356
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY NORTHBOUND DIRECTION**

