

USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 21 - USH 45	AUGUST
	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		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	846	0.0	215	0.0	1500	846	0	215	0.50	0	64.8	50.4	42.2	20.8	20.8
1-2 AM	273	0.0	69	0.0	1500	273	0	69	0.45	0	65.9	52.3	44.4	22.7	22.7
2-3 AM	197	0.0	50	0.0	1500	197	0	50	0.44	0	66.0	52.6	44.7	22.9	22.9
3-4 AM	169	0.0	43	0.0	1500	169	0	43	0.44	0	66.1	52.7	44.8	23.0	23.0
4-5 AM	170	0.0	43	0.0	1500	170	0	43	0.44	0	66.1	52.7	44.8	23.0	23.0
5-6 AM	249	0.0	64	0.0	1500	249	0	64	0.45	0	66.0	52.4	44.5	22.8	22.8
6-7 AM	424	0.0	108	0.0	1500	424	0	108	0.46	0	65.6	51.8	43.8	22.2	22.2
7-8 AM	759	0.0	194	0.0	1500	759	0	194	0.50	0	65.0	50.7	42.5	21.1	21.1
8-9 AM	1388	0.0	354	0.0	1499	1388	0	354	1.03	6	63.8	40.6	34.3	19.0	19.0
9-10 AM	2091	0.0	533	0.0	OFF	2091	0	533	0.00	0	62.5	62.3	62.3	16.6	16.6
10-11 AM	3045	0.0	776	0.0	OFF	3045	0	776	0.00	0	55.3	55.3	55.3	13.5	13.5
11A-NOON	3497	0.0	891	0.0	OFF	3497	0	891	0.00	0	50.7	50.7	50.7	12.4	12.4
NOON-1PM	3479	0.0	887	0.0	OFF	3479	0	887	0.00	0	50.9	50.9	50.9	12.4	12.4
1-2 PM	3566	0.0	909	0.0	OFF	3566	0	909	0.00	0	50.0	50.0	50.0	12.3	12.3
2-3 PM	3615	0.0	921	0.0	OFF	3615	0	921	0.00	0	49.5	49.5	49.5	12.2	12.2
3-4 PM	3592	0.0	916	0.0	OFF	3592	0	916	0.00	0	49.7	49.7	49.7	12.2	12.2
4-5 PM	3531	0.0	900	0.0	OFF	3531	0	900	0.00	0	50.3	50.3	50.3	12.4	12.4
5-6 PM	3198	0.0	815	0.0	OFF	3198	0	815	0.00	0	53.7	53.7	53.7	13.0	13.0
6-7 PM	2615	0.0	666	0.0	OFF	2615	0	666	0.00	0	59.7	59.7	59.7	14.9	14.9
7-8 PM	2058	0.0	525	0.0	1499	1853	205	729	10.12	261	62.5	11.1	30.8	16.8	15.4
8-9 PM	1540	0.0	392	0.0	1499	1331	209	601	10.60	263	63.5	10.7	30.9	18.5	17.0
9-10 PM	974	0.0	248	0.0	1500	974	0	248	1.31	40	64.6	37.1	40.1	20.4	20.4
10-11 PM	660	0.0	168	0.0	1500	660	0	168	0.49	0	65.1	51.0	42.9	21.4	21.4
11PM-MID	339	0.0	86	0.0	1500	339	0	86	0.46	0	65.8	52.1	44.2	22.5	22.5

"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		0.0128
MAIN ROUTE WITH WORKS		0.0120
DIVERSION		0.0417

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,902
CONGESTED HOURS PER DAY*	0

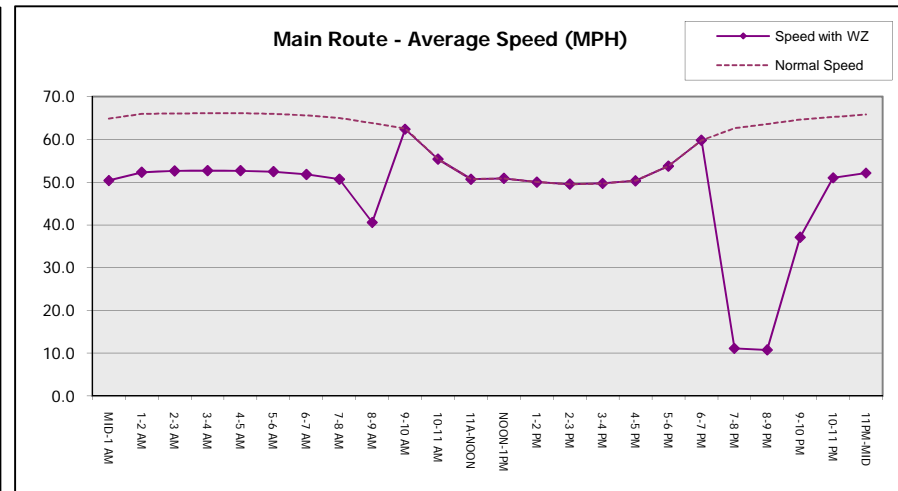
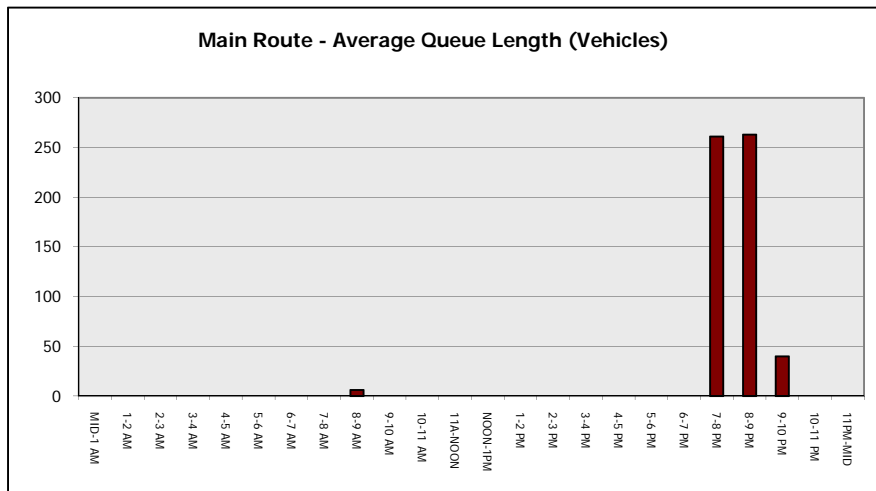
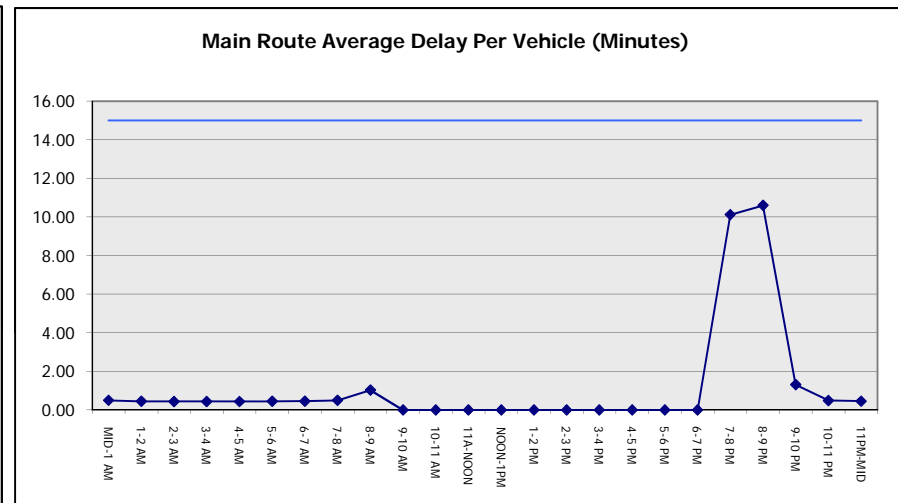
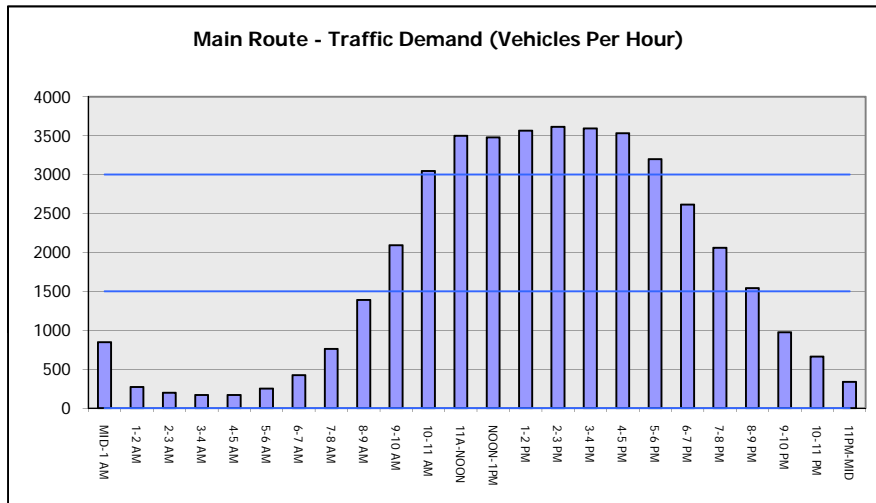
*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 21 - USH 45	AUGUST
	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		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	320	0.0	81	0.0	1500	320	0	81	0.45	0	65.8	52.2	44.2	21.4	21.4
1-2 AM	209	0.0	54	0.0	1500	209	0	54	0.44	0	66.0	52.5	44.6	22.2	22.2
2-3 AM	152	0.0	39	0.0	1500	152	0	39	0.44	0	66.1	52.7	44.9	22.5	22.5
3-4 AM	98	0.0	25	0.0	1500	98	0	25	0.43	0	66.2	52.9	45.1	23.0	23.0
4-5 AM	114	0.0	29	0.0	1500	114	0	29	0.43	0	66.2	52.8	45.0	22.9	22.9
5-6 AM	317	0.0	80	0.0	1500	317	0	80	0.45	0	65.8	52.2	44.2	21.5	21.5
6-7 AM	326	0.0	83	0.0	1500	326	0	83	0.45	0	65.8	52.1	44.2	21.4	21.4
7-8 AM	443	0.0	112	0.0	1500	443	0	112	0.47	0	65.6	51.7	43.7	20.6	20.6
8-9 AM	735	0.0	187	0.0	1500	735	0	187	0.49	0	65.0	50.7	42.6	18.6	18.6
9-10 AM	1227	0.0	313	0.0	OFF	1227	0	313	0.00	0	64.1	64.1	64.1	15.3	15.3
10-11 AM	1711	0.0	436	0.0	OFF	1711	0	436	0.00	0	63.2	63.2	63.2	12.5	12.5
11A-NOON	2127	0.0	542	0.0	OFF	2127	0	542	0.00	0	62.4	62.4	62.4	10.8	10.8
NOON-1PM	2292	0.0	585	0.0	OFF	2292	0	585	0.00	0	62.1	62.1	62.1	10.2	10.2
1-2 PM	2379	0.0	606	0.0	OFF	2379	0	606	0.00	0	62.0	62.0	62.0	9.8	9.8
2-3 PM	2335	0.0	595	0.0	OFF	2335	0	595	0.00	0	62.0	62.0	62.0	10.0	10.0
3-4 PM	2328	0.0	594	0.0	OFF	2328	0	594	0.00	0	62.0	62.0	62.0	10.1	10.1
4-5 PM	2334	0.0	595	0.0	OFF	2334	0	595	0.00	0	62.0	62.0	62.0	10.0	10.0
5-6 PM	2231	0.0	569	0.0	OFF	2231	0	569	0.00	0	62.2	62.2	62.2	10.4	10.4
6-7 PM	1884	0.0	481	0.0	OFF	1884	0	481	0.00	0	62.8	62.8	62.8	11.8	11.8
7-8 PM	1558	0.0	397	0.0	1499	1558	0	397	2.72	47	63.5	25.3	30.8	13.1	13.2
8-9 PM	1301	0.0	331	0.0	1500	1301	0	331	1.16	13	64.0	38.8	35.0	14.8	14.8
9-10 PM	970	0.0	247	0.0	1500	970	0	247	0.52	0	64.6	50.0	41.8	17.1	17.1
10-11 PM	661	0.0	169	0.0	1500	661	0	169	0.49	0	65.1	51.0	42.9	19.1	19.1
11PM-MID	411	0.0	105	0.0	1500	411	0	105	0.46	0	65.6	51.9	43.8	20.8	20.8

"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	0.0086
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.0270

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,282
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**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

