

USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 21 - USH 45	MAY
	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	281	0.0	72	0.0	1500	281	0	72	0.45	0	65.9	52.3	44.3	22.7	22.7
1-2 AM	200	0.0	50	0.0	1500	200	0	50	0.44	0	66.0	52.5	44.7	22.9	22.9
2-3 AM	179	0.0	45	0.0	1500	179	0	45	0.44	0	66.1	52.7	44.8	23.0	23.0
3-4 AM	136	0.0	35	0.0	1500	136	0	35	0.44	0	66.1	52.8	45.0	23.2	23.2
4-5 AM	143	0.0	36	0.0	1500	143	0	36	0.44	0	66.1	52.8	44.9	23.1	23.1
5-6 AM	264	0.0	67	0.0	1500	264	0	67	0.45	0	65.9	52.4	44.4	22.7	22.7
6-7 AM	465	0.0	118	0.0	1500	465	0	118	0.47	0	65.5	51.7	43.7	22.0	22.0
7-8 AM	659	0.0	168	0.0	1500	659	0	168	0.49	0	65.1	51.0	42.9	21.4	21.4
8-9 AM	1173	0.0	300	0.0	1499	1173	0	300	0.65	0	64.2	47.1	38.3	19.7	19.7
9-10 AM	1800	0.0	459	0.0	OFF	1800	0	459	0.00	0	63.0	63.0	63.0	17.6	17.6
10-11 AM	2347	0.0	598	0.0	OFF	2347	0	598	0.00	0	62.0	62.0	62.0	15.8	15.8
11A-NOON	2542	0.0	648	0.0	OFF	2542	0	648	0.00	0	60.5	60.5	60.5	15.2	15.2
NOON-1PM	2761	0.0	704	0.0	OFF	2761	0	704	0.00	0	58.2	58.2	58.2	14.4	14.4
1-2 PM	2736	0.0	698	0.0	OFF	2736	0	698	0.00	0	58.5	58.5	58.5	14.5	14.5
2-3 PM	2903	0.0	740	0.0	OFF	2903	0	740	0.00	0	56.8	56.8	56.8	14.0	14.0
3-4 PM	2921	0.0	745	0.0	OFF	2921	0	745	0.00	0	56.6	56.6	56.6	13.9	13.9
4-5 PM	2862	0.0	730	0.0	OFF	2862	0	730	0.00	0	57.2	57.2	57.2	14.1	14.1
5-6 PM	2658	0.0	677	0.0	OFF	2658	0	677	0.00	0	59.2	59.2	59.2	14.8	14.8
6-7 PM	2074	0.0	529	0.0	OFF	2074	0	529	0.00	0	62.5	62.5	62.5	16.7	16.7
7-8 PM	1708	0.0	435	0.0	1499	1708	0	435	5.39	130	63.2	16.3	30.8	17.9	18.1
8-9 PM	1229	0.0	313	0.0	1499	1229	0	313	3.23	104	64.1	23.1	34.8	19.5	19.7
9-10 PM	845	0.0	215	0.0	1500	845	0	215	0.50	0	64.8	50.4	42.2	20.8	20.8
10-11 PM	638	0.0	163	0.0	1500	638	0	163	0.48	0	65.2	51.0	43.0	21.5	21.5
11PM-MID	334	0.0	85	0.0	1500	334	0	85	0.45	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	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	0.0102
MAIN ROUTE WITH WORKS	0.0097
DIVERSION	0.0322

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,619
CONGESTED HOURS PER DAY*	0

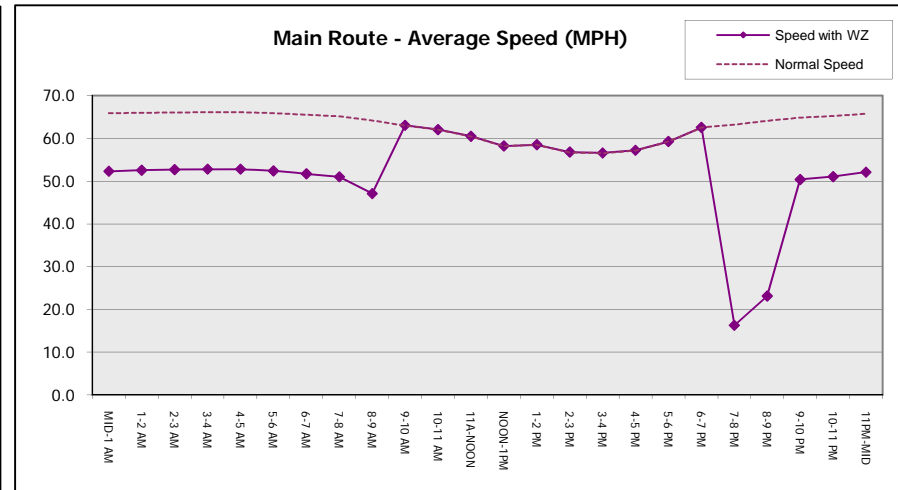
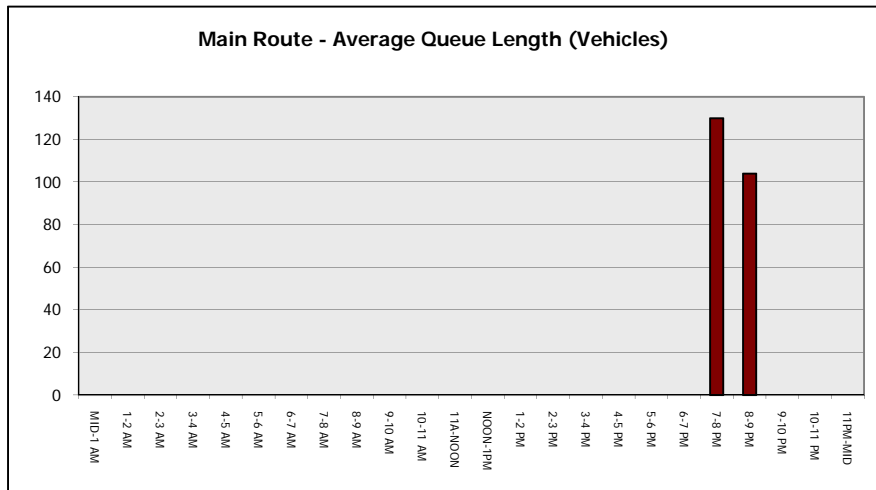
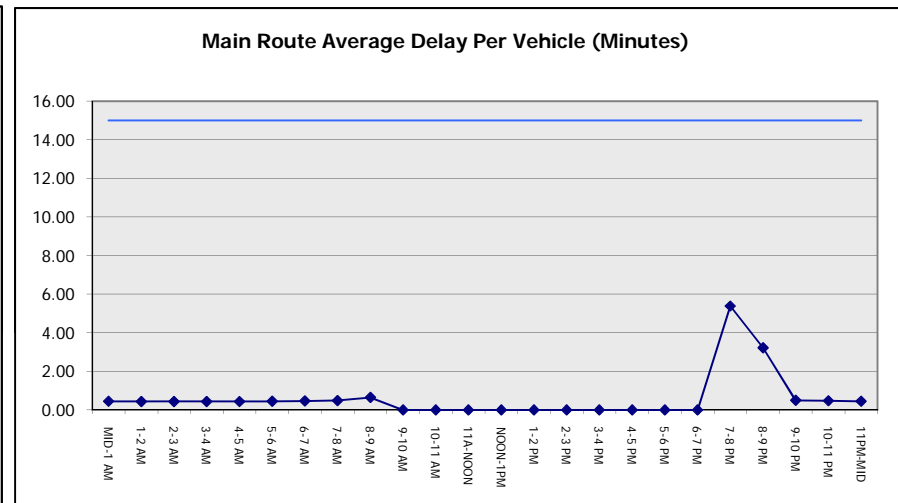
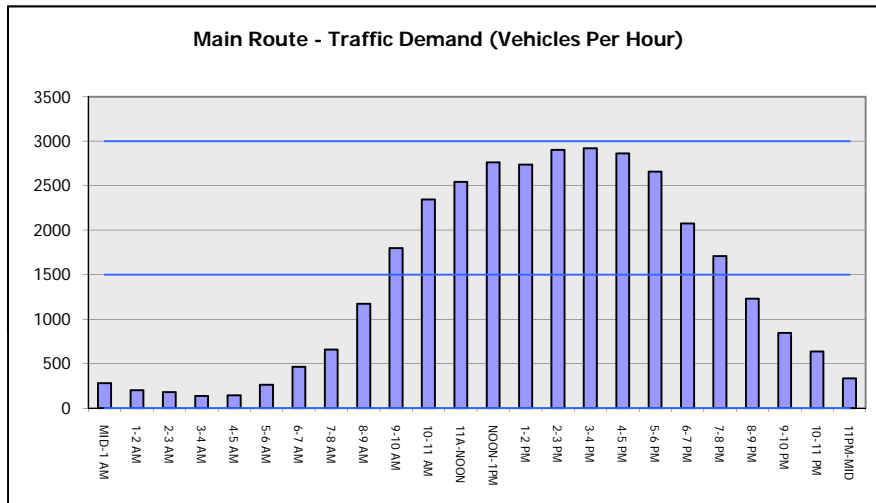
*Delays Exceeding 15 Minutes

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

SUNDAY SOUTHBOUND DIRECTION



USH 41: USH 45 TO 9TH AVE (WINNEBAGO COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 21 - USH 45	MAY
	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			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		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	271	0.0	69	0.0	1500	271	0	69	0.45	0	65.9	52.3	44.4	21.8	21.8
1-2 AM	167	0.0	42	0.0	1500	167	0	42	0.44	0	66.1	52.7	44.8	22.5	22.5
2-3 AM	143	0.0	36	0.0	1500	143	0	36	0.44	0	66.1	52.8	44.9	22.7	22.7
3-4 AM	87	0.0	23	0.0	1500	87	0	23	0.43	0	66.2	53.0	45.1	23.0	23.0
4-5 AM	113	0.0	29	0.0	1500	113	0	29	0.43	0	66.2	52.8	45.0	22.9	22.9
5-6 AM	299	0.0	76	0.0	1500	299	0	76	0.45	0	65.8	52.2	44.3	21.6	21.6
6-7 AM	371	0.0	95	0.0	1500	371	0	95	0.46	0	65.7	52.0	44.0	21.1	21.1
7-8 AM	602	0.0	153	0.0	1500	602	0	153	0.48	0	65.3	51.2	43.1	19.6	19.6
8-9 AM	870	0.0	221	0.0	1500	870	0	221	0.51	0	64.8	50.3	42.2	17.8	17.8
9-10 AM	1297	0.0	330	0.0	OFF	1297	0	330	0.00	0	64.0	64.0	64.0	14.9	14.9
10-11 AM	1674	0.0	426	0.0	OFF	1674	0	426	0.00	0	63.3	63.3	63.3	12.6	12.6
11A-NOON	1957	0.0	499	0.0	OFF	1957	0	499	0.00	0	62.7	62.7	62.7	11.5	11.5
NOON-1PM	2119	0.0	540	0.0	OFF	2119	0	540	0.00	0	62.4	62.4	62.4	10.9	10.9
1-2 PM	2026	0.0	517	0.0	OFF	2026	0	517	0.00	0	62.6	62.6	62.6	11.2	11.2
2-3 PM	1931	0.0	492	0.0	OFF	1931	0	492	0.00	0	62.8	62.8	62.8	11.6	11.6
3-4 PM	1913	0.0	488	0.0	OFF	1913	0	488	0.00	0	62.8	62.8	62.8	11.7	11.7
4-5 PM	1927	0.0	491	0.0	OFF	1927	0	491	0.00	0	62.8	62.8	62.8	11.6	11.6
5-6 PM	1953	0.0	498	0.0	OFF	1953	0	498	0.00	0	62.7	62.7	62.7	11.5	11.5
6-7 PM	1756	0.0	448	0.0	OFF	1756	0	448	0.00	0	63.1	63.1	63.1	12.3	12.3
7-8 PM	1408	0.0	359	0.0	1500	1408	0	359	0.91	0	63.8	42.4	32.8	14.1	14.1
8-9 PM	1129	0.0	288	0.0	1500	1129	0	288	0.55	0	64.3	49.2	40.9	16.0	16.0
9-10 PM	856	0.0	218	0.0	1500	856	0	218	0.51	0	64.8	50.4	42.2	17.8	17.8
10-11 PM	592	0.0	151	0.0	1500	592	0	151	0.48	0	65.3	51.2	43.2	19.6	19.6
11PM-MID	348	0.0	89	0.0	1500	348	0	89	0.46	0	65.8	52.0	44.1	21.2	21.2

"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	0.0078
MAIN ROUTE WITH WORKS	0.0073
DIVERSION	0.0245

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,211
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
SUNDAY NORTHBOUND DIRECTION

