

<b>STH 441: USH 41 TO RACINE ST (WINNEBAGO COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: PROSPECT AVENUE - STH 47</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY WESTBOUND 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	196	0.0	60	0.0	1500	196	0	60	0.44	0	66.0	47.0	44.7	24.4	24.4
1-2 AM	162	0.0	49	0.0	1500	162	0	49	0.44	0	66.1	47.1	44.8	24.5	24.5
2-3 AM	141	0.0	43	0.0	1500	141	0	43	0.44	0	66.1	47.2	44.9	24.5	24.5
3-4 AM	173	0.0	53	0.0	1500	173	0	53	0.44	0	66.1	47.1	44.8	24.5	24.5
4-5 AM	470	0.0	144	0.0	1500	470	0	144	0.47	0	65.5	46.0	43.6	23.7	23.7
5-6 AM	1203	0.0	369	0.0	1499	1203	0	369	0.71	0	64.1	39.3	36.8	22.0	22.0
6-7 AM	2451	0.0	752	0.0	1499	2319	131	883	12.92	382	61.4	9.1	30.8	19.1	19.7
7-8 AM	3573	0.0	1095	0.0	1500	1523	2050	3145+	35.65	962	49.9	6.1	30.8	16.5	14.3
8-9 AM	2241	0.0	688	0.0	1500	1362	879	1567	31.82	833	62.2	6.3	30.8	19.6	15.8
9-10 AM	1721	0.0	528	0.0	1499	1318	403	932	22.70	586	63.2	6.9	30.8	20.8	20.1
10-11 AM	1836	0.0	563	0.0	1500	1559	278	841	21.69	558	63.0	7.0	30.8	20.5	20.7
11A-NOON	1956	0.0	599	0.0	1500	1545	410	1010	23.44	605	62.7	6.8	30.8	20.2	19.6
NOON-1PM	2051	0.0	629	0.0	1500	1543	508	1137	24.95	646	62.5	6.7	30.8	20.0	18.7
1-2 PM	2204	0.0	675	0.0	1500	1572	631	1307	27.28	710	62.3	6.5	30.8	19.7	17.6
2-3 PM	2229	0.0	684	0.0	1499	1529	700	1383	28.47	742	62.2	6.5	30.8	19.6	17.0
3-4 PM	2661	0.0	815	0.0	1500	1655	1006	1821+	33.46	882	59.2	6.2	30.8	18.6	15.2
4-5 PM	2806	0.0	861	0.0	1500	1502	1304	2165+	35.14	930	57.8	6.1	30.8	18.3	14.7
5-6 PM	2581	0.0	792	0.0	1500	1477	1105	1896+	34.76	916	60.1	6.1	30.8	18.8	14.8
6-7 PM	1877	0.0	575	0.0	1500	1142	736	1311	27.67	723	62.9	6.5	30.8	20.4	17.5
7-8 PM	1247	0.0	382	0.0	1499	1195	52	434	15.64	401	64.1	7.9	30.9	21.9	23.3
8-9 PM	1085	0.0	333	0.0	1499	1085	0	333	1.85	76	64.3	26.4	38.2	22.3	22.6
9-10 PM	934	0.0	286	0.0	1500	934	0	286	0.51	0	64.6	44.3	41.9	22.7	22.7
10-11 PM	837	0.0	256	0.0	1500	837	0	256	0.50	0	64.8	44.6	42.2	22.9	22.9
11PM-MID	521	0.0	160	0.0	1500	521	0	160	0.47	0	65.4	45.7	43.4	23.6	23.6

+ 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	0.0071
MAIN ROUTE WITH WORKS	0.0034
DIVERSION	0.1724

PIA: Personal Injury Accidents

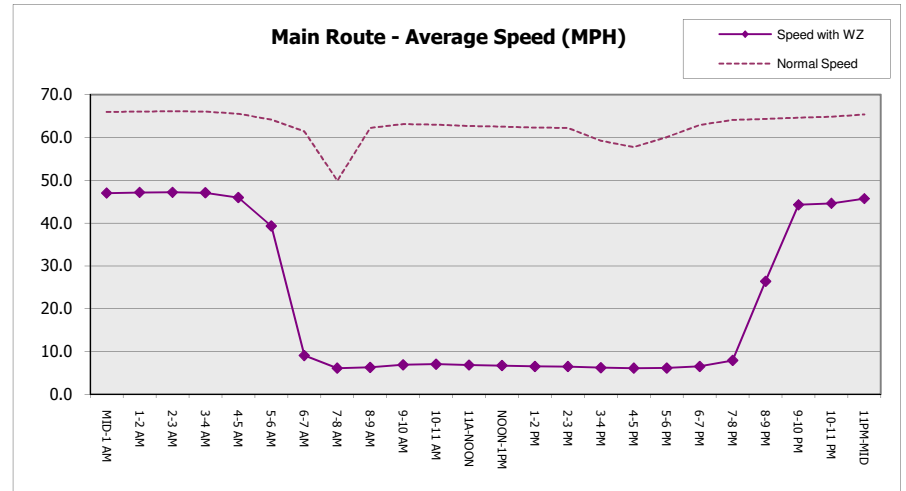
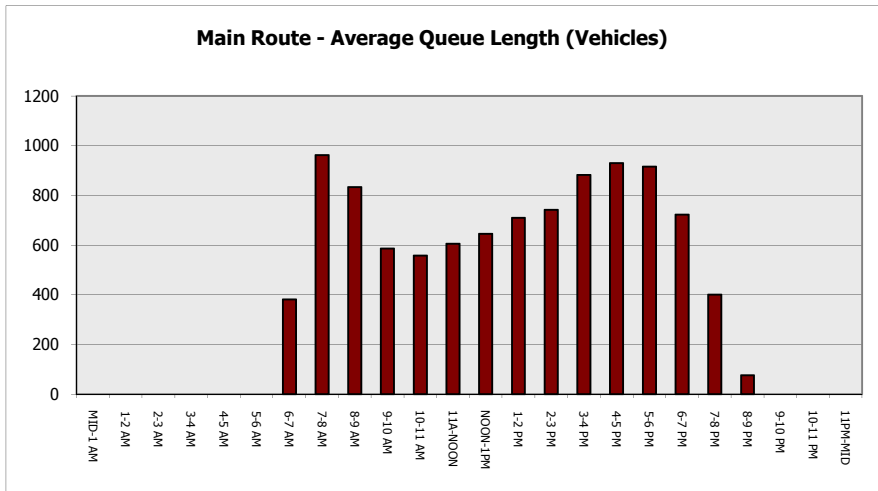
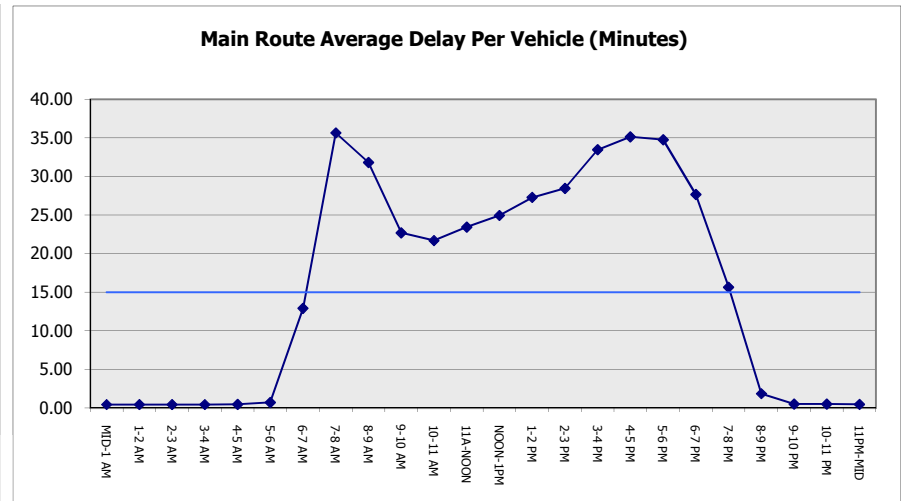
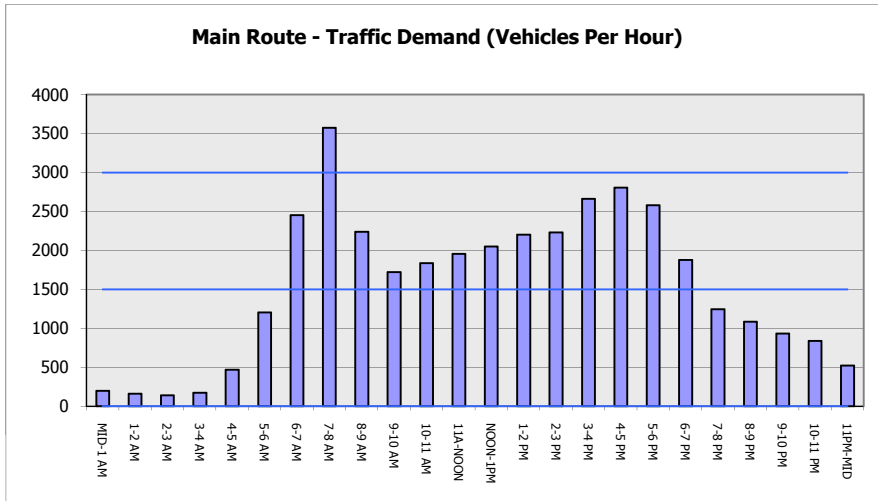
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$231,970
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding 15 Minutes

**STH 441: USH 41 TO RACINE ST (WINNEBAGO COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: PROSPECT AVENUE - STH 47**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>STH 441: USH 41 TO RACINE ST (WINNEBAGO COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: PROSPECT AVENUE - STH 47</b>	<b>MAY</b> Analyzed for 2009 Construction Season
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<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	EASTBOUND 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	326	0.0	100	0.0	1500	326	0	100	0.45	0	65.8	46.5	44.2	24.1	24.1
1-2 AM	200	0.0	62	0.0	1500	200	0	62	0.44	0	66.0	46.9	44.7	24.3	24.3
2-3 AM	173	0.0	53	0.0	1500	173	0	53	0.44	0	66.1	47.1	44.8	24.5	24.5
3-4 AM	140	0.0	43	0.0	1500	140	0	43	0.44	0	66.1	47.2	44.9	24.5	24.5
4-5 AM	188	0.0	58	0.0	1500	188	0	58	0.44	0	66.0	47.0	44.7	24.4	24.4
5-6 AM	722	0.0	221	0.0	1500	722	0	221	0.49	0	65.0	45.0	42.7	23.2	23.2
6-7 AM	1999	0.0	613	0.0	1499	1999	0	613	5.88	180	62.7	13.4	30.8	20.1	20.9
7-8 AM	2925	0.0	897	0.0	1499	1942	983	1879+	31.94	851	56.5	6.3	30.8	17.9	15.8
8-9 AM	2128	0.0	653	0.0	1499	1238	891	1543	31.47	824	62.4	6.3	30.8	19.8	16.0
9-10 AM	1791	0.0	550	0.0	1499	1377	414	964	22.99	593	63.0	6.9	30.8	20.6	19.9
10-11 AM	2015	0.0	618	0.0	1500	1604	411	1029	23.67	612	62.7	6.8	30.8	20.1	19.4
11A-NOON	2260	0.0	693	0.0	1500	1617	643	1336	27.73	722	62.2	6.5	30.8	19.5	17.3
NOON-1PM	2357	0.0	723	0.0	1500	1564	793	1516	30.77	805	62.0	6.3	30.8	19.3	16.1
1-2 PM	2554	0.0	783	0.0	1500	1609	945	1728+	33.56	883	60.4	6.2	30.8	18.8	15.2
2-3 PM	3385	0.0	1038	0.0	1500	1502	1883	2921+	36.03	968	51.8	6.0	30.8	16.9	14.3
3-4 PM	3942	0.0	1209	0.0	1500	1500	2441	3650+	35.46	968	46.1	6.0	30.8	15.6	14.3
4-5 PM	4498	0.0	1380	0.0	1500	1500	2998	4378+	34.70	968	40.4	6.0	30.8	14.3	14.3
5-6 PM	3876	0.0	1188	0.0	1500	1500	2376	3564+	35.53	968	46.8	6.0	30.8	15.7	14.3
6-7 PM	2579	0.0	791	0.0	1500	1404	1175	1966+	34.75	915	60.1	6.1	30.8	18.8	14.8
7-8 PM	1799	0.0	552	0.0	1500	1174	625	1177	25.76	671	63.0	6.6	30.8	20.6	18.4
8-9 PM	1606	0.0	492	0.0	1500	1456	150	642	19.92	510	63.4	7.2	30.8	21.1	22.1
9-10 PM	1375	0.0	421	0.0	1499	1369	6	427	16.92	429	63.8	7.6	30.8	21.6	23.5
10-11 PM	1271	0.0	390	0.0	1500	1271	0	390	10.34	260	64.0	9.5	31.4	21.9	23.0
11PM-MID	768	0.0	236	0.0	1500	768	0	236	0.71	13	65.0	39.9	42.4	23.0	23.0

+ 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	0.0086
MAIN ROUTE WITH WORKS	0.0035
DIVERSION	0.2435

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$326,531
CONGESTED HOURS PER DAY*	15

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: PROSPECT AVENUE - STH 47**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

