

<b>USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 312 - BUS 53</b>	<b>AUGUST</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	76	0.0	36	0.0	1500	76	0	36	0.43	0	66.3	58.9	45.2	32.5	32.5
1-2 AM	65	0.0	29	0.0	1500	65	0	29	0.43	0	66.3	58.9	45.2	32.5	32.5
2-3 AM	52	0.0	24	0.0	1500	52	0	24	0.43	0	66.3	58.9	45.3	32.6	32.6
3-4 AM	62	0.0	28	0.0	1500	62	0	28	0.43	0	66.3	58.9	45.3	32.5	32.5
4-5 AM	133	0.0	62	0.0	1500	133	0	62	0.44	0	66.1	58.7	45.0	32.1	32.1
5-6 AM	518	0.0	240	0.0	1500	518	0	240	0.47	0	65.4	57.6	43.4	29.9	29.9
6-7 AM	1013	0.0	470	0.0	1499	1013	0	470	0.54	0	64.5	55.9	41.0	27.0	27.0
7-8 AM	1664	0.0	771	0.0	1499	1664	0	771	3.64	79	63.3	31.5	30.8	23.2	23.2
8-9 AM	1098	0.0	509	0.0	1499	1098	0	509	1.67	41	64.3	43.7	38.4	26.5	26.5
9-10 AM	1012	0.0	469	0.0	1500	1012	0	469	0.52	0	64.5	56.2	41.6	27.0	27.0
10-11 AM	1070	0.0	496	0.0	1500	1070	0	496	0.53	0	64.4	56.1	41.4	26.7	26.7
11A-NOON	1115	0.0	516	0.0	1500	1115	0	516	0.53	0	64.3	56.0	41.3	26.5	26.5
NOON-1PM	1103	0.0	510	0.0	1500	1103	0	510	0.53	0	64.3	56.0	41.3	26.5	26.5
1-2 PM	1092	0.0	506	0.0	1500	1092	0	506	0.53	0	64.3	56.0	41.4	26.6	26.6
2-3 PM	1153	0.0	535	0.0	1500	1153	0	535	0.58	0	64.2	55.3	40.1	26.2	26.2
3-4 PM	1265	0.0	586	0.0	1500	1265	0	586	0.72	0	64.0	53.2	36.5	25.5	25.5
4-5 PM	1484	0.0	688	0.0	1500	1484	0	688	1.00	0	63.6	49.7	31.1	24.3	24.3
5-6 PM	1273	0.0	591	0.0	1500	1273	0	591	0.73	0	64.0	53.1	36.3	25.5	25.5
6-7 PM	837	0.0	389	0.0	1500	837	0	389	0.50	0	64.8	56.7	42.2	28.0	28.0
7-8 PM	581	0.0	270	0.0	1500	581	0	270	0.48	0	65.3	57.4	43.2	29.5	29.5
8-9 PM	481	0.0	223	0.0	1500	481	0	223	0.47	0	65.5	57.7	43.6	30.1	30.1
9-10 PM	378	0.0	176	0.0	1500	378	0	176	0.46	0	65.7	58.0	44.0	30.7	30.7
10-11 PM	258	0.0	120	0.0	1500	258	0	120	0.45	0	65.9	58.4	44.5	31.4	31.4
11PM-MID	166	0.0	77	0.0	1500	166	0	77	0.44	0	66.1	58.6	44.8	31.9	31.9

*----- 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	0.0109
MAIN ROUTE WITH WORKS	0.0097
DIVERSION	0.0686

PIA: Personal Injury Accidents

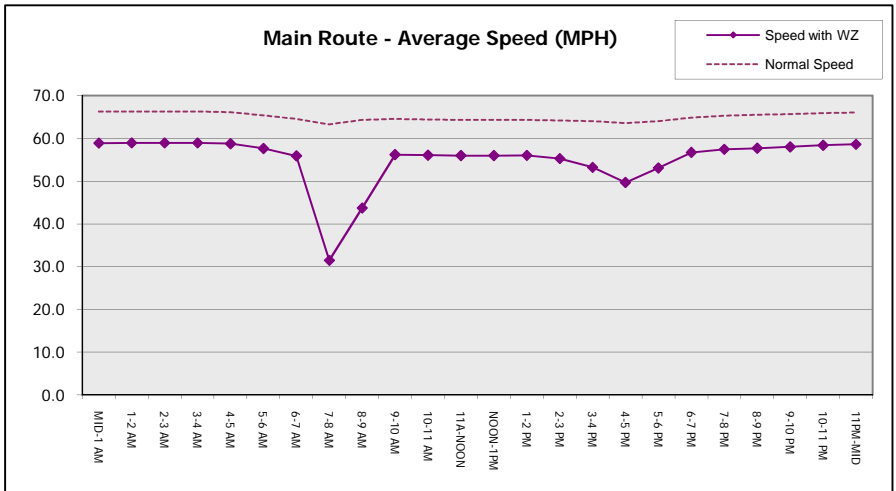
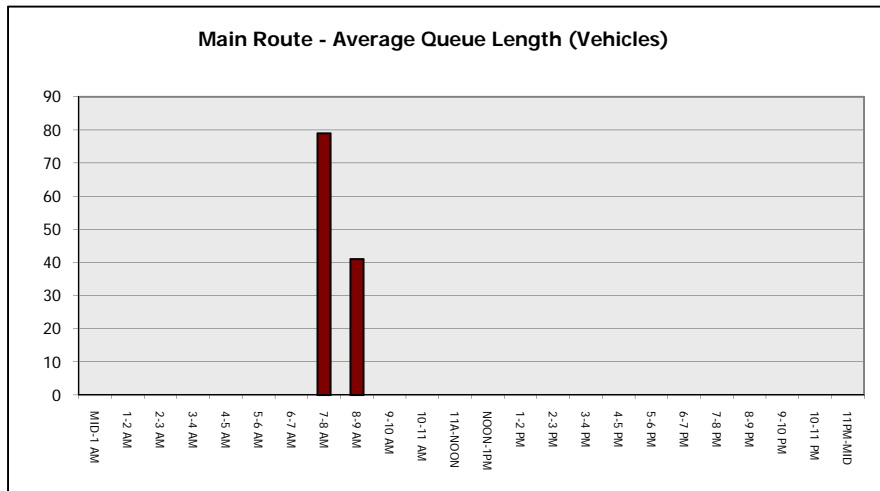
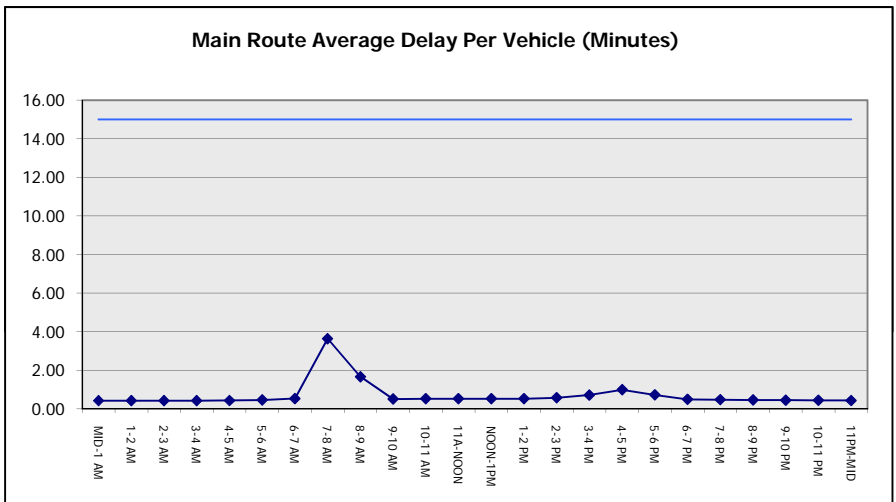
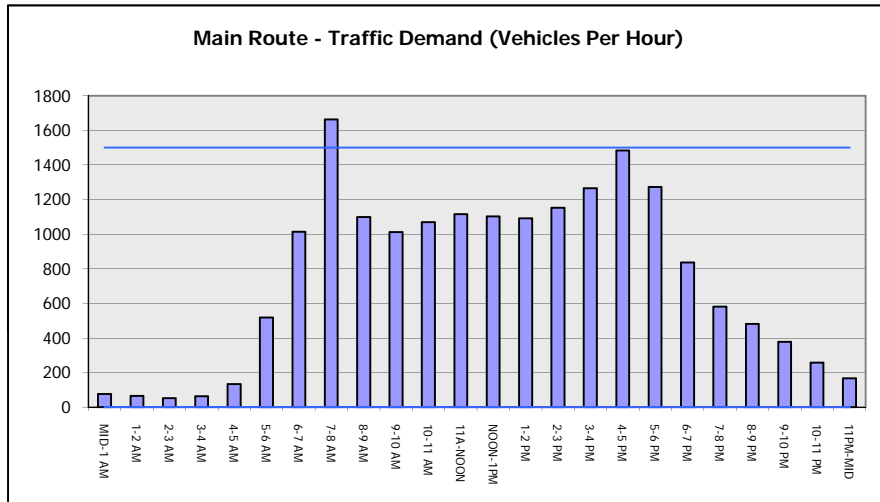
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$3,847
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 312 - BUS 53**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 312 - BUS 53</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

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	99	0.0	46	0.0	1500	99	0	46	0.43	0	66.2	58.8	45.1	31.8	31.8
1-2 AM	67	0.0	31	0.0	1500	67	0	31	0.43	0	66.3	58.9	45.2	32.1	32.1
2-3 AM	62	0.0	28	0.0	1500	62	0	28	0.43	0	66.3	58.9	45.3	32.2	32.2
3-4 AM	70	0.0	32	0.0	1500	70	0	32	0.43	0	66.3	58.9	45.2	32.1	32.1
4-5 AM	142	0.0	66	0.0	1500	142	0	66	0.44	0	66.1	58.7	44.9	31.2	31.2
5-6 AM	348	0.0	161	0.0	1500	348	0	161	0.46	0	65.8	58.1	44.1	28.9	28.9
6-7 AM	750	0.0	348	0.0	1500	750	0	348	0.50	0	65.0	56.9	42.6	24.2	24.2
7-8 AM	1039	0.0	482	0.0	1500	1039	0	482	0.52	0	64.5	56.1	41.5	21.1	21.1
8-9 AM	830	0.0	385	0.0	1500	830	0	385	0.50	0	64.8	56.8	42.3	23.2	23.2
9-10 AM	794	0.0	368	0.0	1500	794	0	368	0.50	0	64.9	56.8	42.4	23.7	23.7
10-11 AM	874	0.0	405	0.0	1500	874	0	405	0.51	0	64.8	56.6	42.1	22.7	22.7
11A-NOON	960	0.0	445	0.0	1500	960	0	445	0.52	0	64.6	56.4	41.8	21.7	21.7
NOON-1PM	1050	0.0	487	0.0	1500	1050	0	487	0.52	0	64.4	56.1	41.5	20.9	20.9
1-2 PM	1184	0.0	549	0.0	1500	1184	0	549	0.62	0	64.1	54.7	39.0	19.7	19.7
2-3 PM	1364	0.0	632	0.0	1499	1364	0	632	0.85	0	63.8	51.6	33.9	18.1	18.1
3-4 PM	1580	0.0	732	0.0	1499	1580	0	732	1.79	23	63.5	42.4	30.8	16.2	16.2
4-5 PM	1885	0.0	874	0.0	1500	1885	0	874+	10.03	271	62.8	16.7	30.8	13.4	13.4
5-6 PM	1607	0.0	745	0.0	1499	1540	67	812+	20.46	525	63.4	10.0	30.8	16.0	15.1
6-7 PM	1027	0.0	476	0.0	1499	980	46	522	7.69	254	64.5	20.3	35.8	21.1	20.3
7-8 PM	804	0.0	372	0.0	1500	804	0	372	0.50	0	64.9	56.8	42.4	23.5	23.5
8-9 PM	706	0.0	327	0.0	1500	706	0	327	0.49	0	65.1	57.1	42.7	24.7	24.7
9-10 PM	519	0.0	241	0.0	1500	519	0	241	0.47	0	65.4	57.6	43.4	26.8	26.8
10-11 PM	338	0.0	157	0.0	1500	338	0	157	0.46	0	65.8	58.1	44.2	28.9	28.9
11PM-MID	196	0.0	90	0.0	1500	196	0	90	0.44	0	66.0	58.6	44.7	30.6	30.6

+ 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	0.0111
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0709

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$15,683
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

**USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 312 - BUS 53**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

