

<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**

**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	141	0.0	65	0.0	1500	141	0	65	0.44	0	66.1	58.7	44.9	32.1	32.1
1-2 AM	105	0.0	49	0.0	1500	105	0	49	0.43	0	66.2	58.8	45.1	32.3	32.3
2-3 AM	85	0.0	40	0.0	1500	85	0	40	0.43	0	66.2	58.9	45.1	32.4	32.4
3-4 AM	48	0.0	22	0.0	1500	48	0	22	0.43	0	66.3	59.0	45.3	32.6	32.6
4-5 AM	62	0.0	28	0.0	1500	62	0	28	0.43	0	66.3	58.9	45.3	32.5	32.5
5-6 AM	112	0.0	52	0.0	1500	112	0	52	0.43	0	66.2	58.8	45.0	32.3	32.3
6-7 AM	180	0.0	83	0.0	1500	180	0	83	0.44	0	66.1	58.6	44.8	31.9	31.9
7-8 AM	266	0.0	124	0.0	1500	266	0	124	0.45	0	65.9	58.3	44.4	31.4	31.4
8-9 AM	463	0.0	214	0.0	1500	463	0	214	0.47	0	65.5	57.8	43.7	30.2	30.2
9-10 AM	800	0.0	371	0.0	1500	800	0	371	0.50	0	64.9	56.8	42.4	28.3	28.3
10-11 AM	1114	0.0	516	0.0	1500	1114	0	516	0.53	0	64.3	56.0	41.3	26.5	26.5
11A-NOON	1317	0.0	611	0.0	1500	1317	0	611	0.79	0	63.9	52.4	35.0	25.2	25.2
NOON-1PM	1439	0.0	667	0.0	1500	1439	0	667	0.95	0	63.7	50.4	32.1	24.5	24.5
1-2 PM	1360	0.0	630	0.0	1500	1360	0	630	0.84	0	63.8	51.7	34.0	25.0	25.0
2-3 PM	1320	0.0	612	0.0	1500	1320	0	612	0.79	0	63.9	52.3	35.0	25.2	25.2
3-4 PM	1309	0.0	607	0.0	1500	1309	0	607	0.78	0	64.0	52.5	35.3	25.3	25.3
4-5 PM	1250	0.0	579	0.0	1500	1250	0	579	0.70	0	64.1	53.5	36.9	25.6	25.6
5-6 PM	1092	0.0	506	0.0	1500	1092	0	506	0.53	0	64.3	56.0	41.4	26.6	26.6
6-7 PM	935	0.0	433	0.0	1500	935	0	433	0.51	0	64.6	56.4	41.9	27.4	27.4
7-8 PM	750	0.0	348	0.0	1500	750	0	348	0.50	0	65.0	56.9	42.6	28.6	28.6
8-9 PM	601	0.0	279	0.0	1500	601	0	279	0.48	0	65.3	57.4	43.1	29.4	29.4
9-10 PM	454	0.0	210	0.0	1500	454	0	210	0.47	0	65.5	57.8	43.7	30.3	30.3
10-11 PM	303	0.0	141	0.0	1500	303	0	141	0.45	0	65.8	58.2	44.3	31.1	31.1
11PM-MID	176	0.0	81	0.0	1500	176	0	81	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	0.0095
MAIN ROUTE WITH WORKS	0.0085
DIVERSION	0.0600

PIA: Personal Injury Accidents

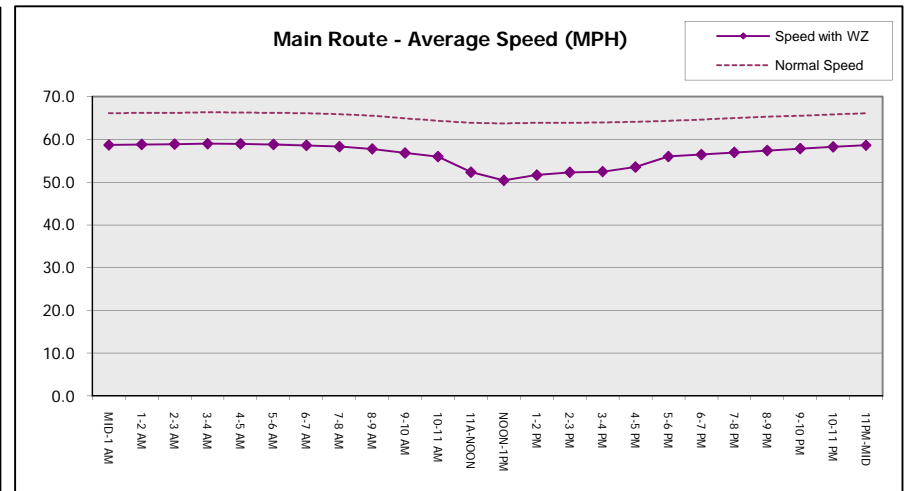
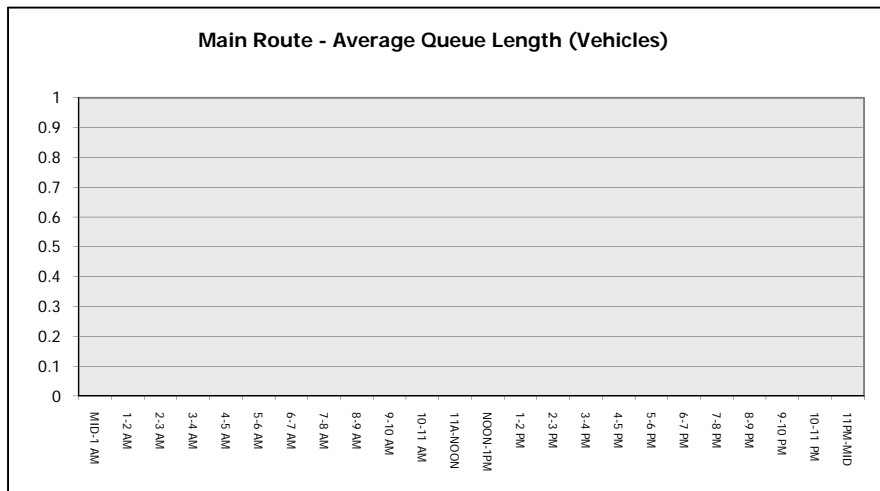
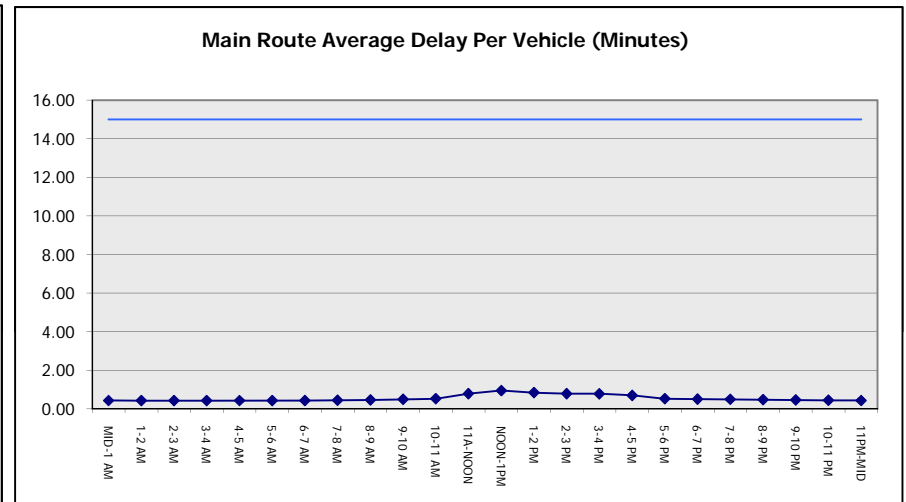
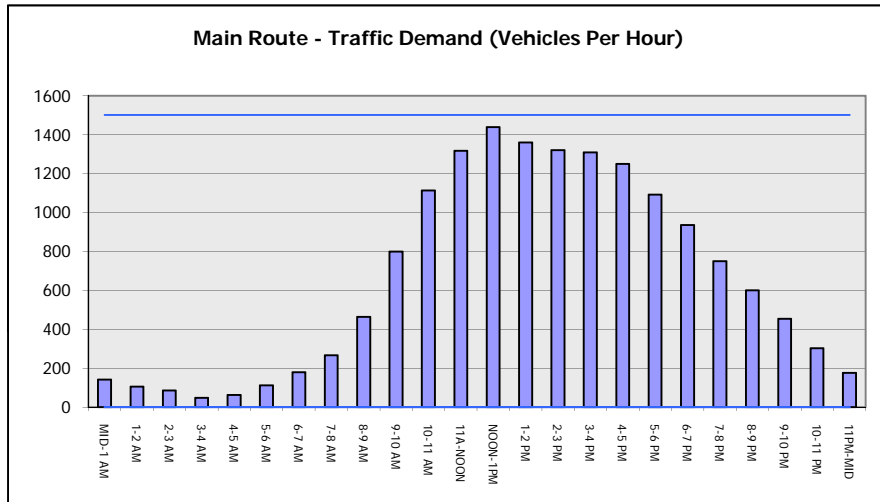
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,680
CONGESTED HOURS PER DAY*	0

\*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**  
**SUNDAY 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**

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	144	0.0	67	0.0	1500	144	0	67	0.44	0	66.1	58.7	44.9	31.2	31.2
1-2 AM	89	0.0	42	0.0	1500	89	0	42	0.43	0	66.2	58.9	45.1	31.9	31.9
2-3 AM	75	0.0	34	0.0	1500	75	0	34	0.43	0	66.3	58.9	45.2	32.0	32.0
3-4 AM	53	0.0	24	0.0	1500	53	0	24	0.43	0	66.3	58.9	45.3	32.3	32.3
4-5 AM	44	0.0	20	0.0	1500	44	0	20	0.43	0	66.3	59.0	45.3	32.4	32.4
5-6 AM	99	0.0	47	0.0	1500	99	0	47	0.43	0	66.2	58.8	45.1	31.7	31.7
6-7 AM	162	0.0	75	0.0	1500	162	0	75	0.44	0	66.1	58.6	44.8	31.1	31.1
7-8 AM	239	0.0	111	0.0	1500	239	0	111	0.45	0	66.0	58.4	44.5	30.1	30.1
8-9 AM	462	0.0	214	0.0	1500	462	0	214	0.47	0	65.5	57.8	43.7	27.5	27.5
9-10 AM	582	0.0	270	0.0	1500	582	0	270	0.48	0	65.3	57.4	43.2	26.1	26.1
10-11 AM	900	0.0	417	0.0	1500	900	0	417	0.51	0	64.7	56.5	42.0	22.4	22.4
11A-NOON	1004	0.0	466	0.0	1500	1004	0	466	0.52	0	64.5	56.3	41.7	21.4	21.4
NOON-1PM	1045	0.0	484	0.0	1500	1045	0	484	0.52	0	64.5	56.1	41.5	21.0	21.0
1-2 PM	1086	0.0	503	0.0	1500	1086	0	503	0.53	0	64.3	56.0	41.4	20.6	20.6
2-3 PM	1112	0.0	515	0.0	1500	1112	0	515	0.53	0	64.3	56.0	41.3	20.4	20.4
3-4 PM	1089	0.0	504	0.0	1500	1089	0	504	0.53	0	64.3	56.0	41.4	20.6	20.6
4-5 PM	1036	0.0	480	0.0	1500	1036	0	480	0.52	0	64.5	56.1	41.5	21.1	21.1
5-6 PM	925	0.0	429	0.0	1500	925	0	429	0.51	0	64.6	56.4	41.9	22.1	22.1
6-7 PM	746	0.0	346	0.0	1500	746	0	346	0.49	0	65.0	56.9	42.6	24.2	24.2
7-8 PM	587	0.0	272	0.0	1500	587	0	272	0.48	0	65.3	57.4	43.2	26.1	26.1
8-9 PM	466	0.0	216	0.0	1500	466	0	216	0.47	0	65.5	57.8	43.7	27.5	27.5
9-10 PM	343	0.0	158	0.0	1500	343	0	158	0.46	0	65.8	58.1	44.1	28.9	28.9
10-11 PM	237	0.0	110	0.0	1500	237	0	110	0.45	0	66.0	58.4	44.5	30.2	30.2
11PM-MID	135	0.0	63	0.0	1500	135	0	63	0.44	0	66.1	58.7	45.0	31.4	31.4

*----- 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	0.0077
MAIN ROUTE WITH WORKS	0.0068
DIVERSION	0.0484

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,658
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**  
**SUNDAY NORTHBOUND DIRECTION**

