

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

**MAY**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**  
**SATURDAY 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	115	0.0	53	0.0	1500	115	0	53	0.43	0	66.2	58.7	45.0	32.2	32.2
1-2 AM	71	0.0	33	0.0	1500	71	0	33	0.43	0	66.3	58.9	45.2	32.5	32.5
2-3 AM	75	0.0	34	0.0	1500	75	0	34	0.43	0	66.3	58.9	45.2	32.5	32.5
3-4 AM	57	0.0	26	0.0	1500	57	0	26	0.43	0	66.3	58.9	45.3	32.6	32.6
4-5 AM	80	0.0	37	0.0	1500	80	0	37	0.43	0	66.3	58.9	45.1	32.5	32.5
5-6 AM	171	0.0	79	0.0	1500	171	0	79	0.44	0	66.1	58.6	44.8	31.9	31.9
6-7 AM	262	0.0	122	0.0	1500	262	0	122	0.45	0	65.9	58.4	44.5	31.4	31.4
7-8 AM	482	0.0	223	0.0	1500	482	0	223	0.47	0	65.5	57.7	43.6	30.1	30.1
8-9 AM	733	0.0	340	0.0	1500	733	0	340	0.49	0	65.0	57.0	42.7	28.6	28.6
9-10 AM	960	0.0	445	0.0	1500	960	0	445	0.52	0	64.6	56.4	41.8	27.3	27.3
10-11 AM	1097	0.0	508	0.0	1500	1097	0	508	0.53	0	64.3	56.0	41.4	26.5	26.5
11A-NOON	1168	0.0	541	0.0	1500	1168	0	541	0.59	0	64.2	55.0	39.5	26.1	26.1
NOON-1PM	1100	0.0	509	0.0	1500	1100	0	509	0.53	0	64.3	56.0	41.4	26.5	26.5
1-2 PM	1087	0.0	504	0.0	1500	1087	0	504	0.53	0	64.3	56.0	41.4	26.6	26.6
2-3 PM	1003	0.0	465	0.0	1500	1003	0	465	0.52	0	64.5	56.3	41.7	27.1	27.1
3-4 PM	1006	0.0	467	0.0	1500	1006	0	467	0.52	0	64.5	56.3	41.7	27.1	27.1
4-5 PM	969	0.0	450	0.0	1500	969	0	450	0.52	0	64.6	56.3	41.8	27.3	27.3
5-6 PM	900	0.0	417	0.0	1500	900	0	417	0.51	0	64.7	56.5	42.0	27.7	27.7
6-7 PM	768	0.0	356	0.0	1500	768	0	356	0.50	0	65.0	56.9	42.5	28.4	28.4
7-8 PM	689	0.0	320	0.0	1500	689	0	320	0.49	0	65.1	57.1	42.8	28.9	28.9
8-9 PM	532	0.0	247	0.0	1500	532	0	247	0.47	0	65.4	57.6	43.4	29.8	29.8
9-10 PM	422	0.0	196	0.0	1500	422	0	196	0.46	0	65.6	57.9	43.8	30.4	30.4
10-11 PM	320	0.0	148	0.0	1500	320	0	148	0.45	0	65.8	58.2	44.2	31.1	31.1
11PM-MID	252	0.0	117	0.0	1500	252	0	117	0.45	0	65.9	58.4	44.5	31.4	31.4

*----- 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	0.0087
MAIN ROUTE WITH WORKS	0.0077
DIVERSION	0.0548

PIA: Personal Injury Accidents

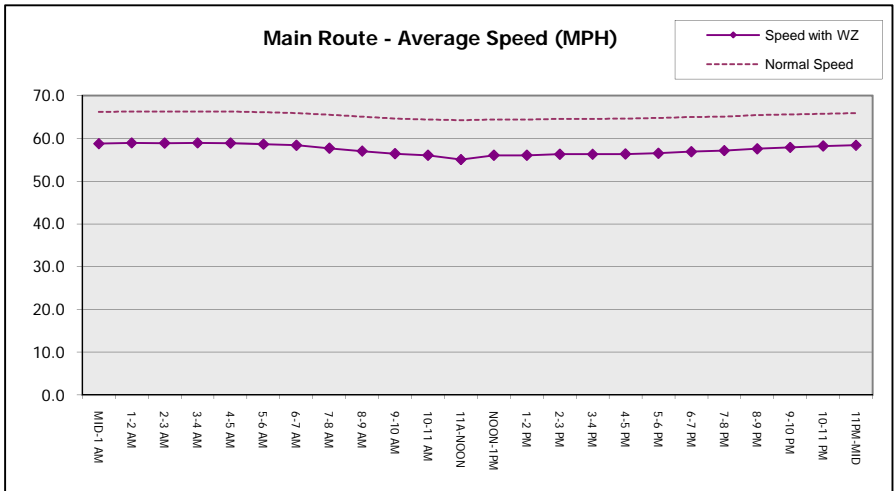
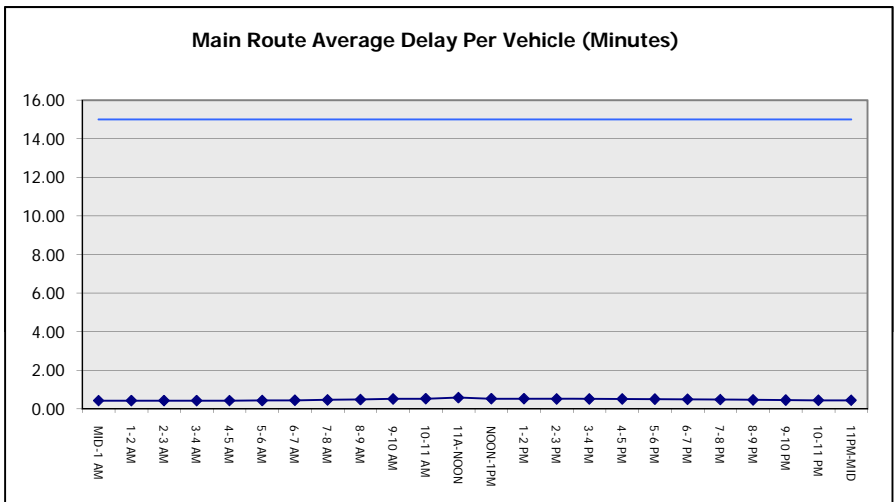
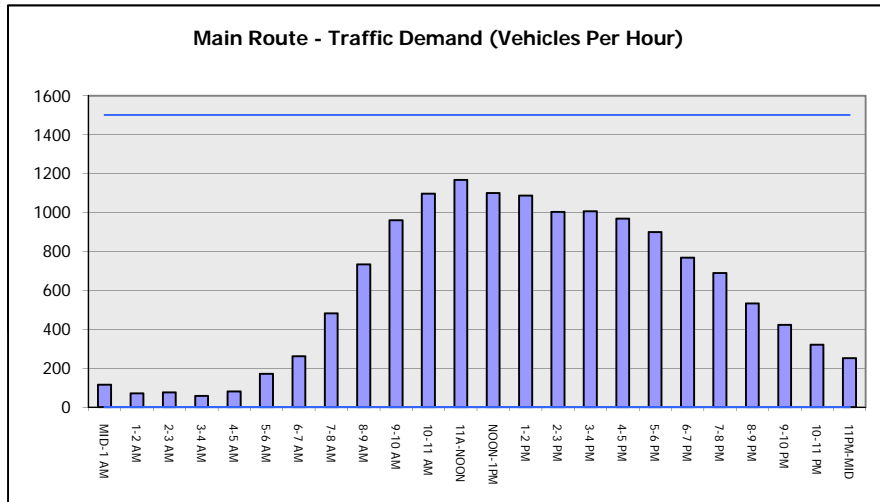
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,871
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 312 - BUS 53**

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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY 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>MAY</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	180	0.0	83	0.0	1500	180	0	83	0.44	0	66.1	58.6	44.8	30.8	30.8
1-2 AM	116	0.0	54	0.0	1500	116	0	54	0.43	0	66.2	58.7	45.0	31.5	31.5
2-3 AM	100	0.0	47	0.0	1500	100	0	47	0.43	0	66.2	58.8	45.1	31.7	31.7
3-4 AM	76	0.0	36	0.0	1500	76	0	36	0.43	0	66.3	58.9	45.2	32.0	32.0
4-5 AM	83	0.0	39	0.0	1500	83	0	39	0.43	0	66.3	58.9	45.1	31.9	31.9
5-6 AM	161	0.0	75	0.0	1500	161	0	75	0.44	0	66.1	58.6	44.8	31.1	31.1
6-7 AM	265	0.0	123	0.0	1500	265	0	123	0.45	0	65.9	58.3	44.4	29.8	29.8
7-8 AM	414	0.0	192	0.0	1500	414	0	192	0.46	0	65.6	57.9	43.8	28.1	28.1
8-9 AM	672	0.0	312	0.0	1500	672	0	312	0.49	0	65.1	57.2	42.8	25.1	25.1
9-10 AM	888	0.0	412	0.0	1500	888	0	412	0.51	0	64.7	56.6	42.1	22.5	22.5
10-11 AM	1094	0.0	507	0.0	1500	1094	0	507	0.53	0	64.3	56.0	41.4	20.6	20.6
11A-NOON	1167	0.0	541	0.0	1500	1167	0	541	0.59	0	64.2	55.0	39.6	19.9	19.9
NOON-1PM	1229	0.0	569	0.0	1500	1229	0	569	0.67	0	64.1	53.9	37.6	19.4	19.4
1-2 PM	1220	0.0	565	0.0	1500	1220	0	565	0.66	0	64.1	54.0	37.8	19.4	19.4
2-3 PM	1235	0.0	572	0.0	1500	1235	0	572	0.68	0	64.1	53.8	37.4	19.3	19.3
3-4 PM	1196	0.0	554	0.0	1500	1196	0	554	0.63	0	64.1	54.5	38.6	19.6	19.6
4-5 PM	1120	0.0	520	0.0	1500	1120	0	520	0.53	0	64.3	55.9	41.2	20.3	20.3
5-6 PM	1075	0.0	498	0.0	1500	1075	0	498	0.53	0	64.4	56.1	41.4	20.7	20.7
6-7 PM	873	0.0	405	0.0	1500	873	0	405	0.51	0	64.8	56.6	42.1	22.7	22.7
7-8 PM	768	0.0	356	0.0	1500	768	0	356	0.50	0	65.0	56.9	42.5	24.0	24.0
8-9 PM	618	0.0	286	0.0	1500	618	0	286	0.48	0	65.2	57.3	43.0	25.7	25.7
9-10 PM	534	0.0	248	0.0	1500	534	0	248	0.47	0	65.4	57.6	43.4	26.7	26.7
10-11 PM	377	0.0	175	0.0	1500	377	0	175	0.46	0	65.7	58.0	44.0	28.5	28.5
11PM-MID	237	0.0	110	0.0	1500	237	0	110	0.45	0	66.0	58.4	44.5	30.2	30.2

*----- 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)	\$2,231
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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