

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

**OCTOBER**  
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	102	0.0	48	0.0	1500	102	0	48	0.43	0	66.2	58.8	45.1	32.3	32.3
1-2 AM	71	0.0	32	0.0	1500	71	0	32	0.43	0	66.3	58.9	45.2	32.5	32.5
2-3 AM	70	0.0	32	0.0	1500	70	0	32	0.43	0	66.3	58.9	45.2	32.5	32.5
3-4 AM	52	0.0	24	0.0	1500	52	0	24	0.43	0	66.3	58.9	45.3	32.6	32.6
4-5 AM	66	0.0	30	0.0	1500	66	0	30	0.43	0	66.3	58.9	45.2	32.5	32.5
5-6 AM	116	0.0	54	0.0	1500	116	0	54	0.43	0	66.2	58.7	45.0	32.2	32.2
6-7 AM	156	0.0	72	0.0	1500	156	0	72	0.44	0	66.1	58.7	44.8	32.0	32.0
7-8 AM	262	0.0	121	0.0	1500	262	0	121	0.45	0	65.9	58.4	44.5	31.4	31.4
8-9 AM	489	0.0	226	0.0	1500	489	0	226	0.47	0	65.5	57.7	43.5	30.1	30.1
9-10 AM	789	0.0	366	0.0	1500	789	0	366	0.50	0	64.9	56.8	42.4	28.3	28.3
10-11 AM	1191	0.0	552	0.0	1500	1191	0	552	0.63	0	64.1	54.6	38.8	26.0	26.0
11A-NOON	1384	0.0	641	0.0	1500	1384	0	641	0.87	0	63.8	51.3	33.3	24.8	24.8
NOON-1PM	1358	0.0	630	0.0	1500	1358	0	630	0.84	0	63.8	51.7	34.0	25.0	25.0
1-2 PM	1238	0.0	573	0.0	1500	1238	0	573	0.69	0	64.1	53.7	37.3	25.7	25.7
2-3 PM	1188	0.0	551	0.0	1500	1188	0	551	0.62	0	64.1	54.6	38.8	26.0	26.0
3-4 PM	1146	0.0	532	0.0	1500	1146	0	532	0.57	0	64.3	55.4	40.2	26.2	26.2
4-5 PM	1028	0.0	477	0.0	1500	1028	0	477	0.52	0	64.5	56.2	41.6	27.0	27.0
5-6 PM	850	0.0	394	0.0	1500	850	0	394	0.50	0	64.8	56.7	42.2	27.9	27.9
6-7 PM	787	0.0	364	0.0	1500	787	0	364	0.50	0	64.9	56.8	42.4	28.3	28.3
7-8 PM	590	0.0	274	0.0	1500	590	0	274	0.48	0	65.3	57.4	43.2	29.5	29.5
8-9 PM	379	0.0	176	0.0	1500	379	0	176	0.46	0	65.7	58.0	44.0	30.7	30.7
9-10 PM	294	0.0	137	0.0	1500	294	0	137	0.45	0	65.8	58.2	44.3	31.2	31.2
10-11 PM	207	0.0	95	0.0	1500	207	0	95	0.44	0	66.0	58.5	44.6	31.7	31.7
11PM-MID	81	0.0	38	0.0	1500	81	0	38	0.43	0	66.3	58.9	45.1	32.4	32.4

**\*----- 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	0.0084
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0531

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

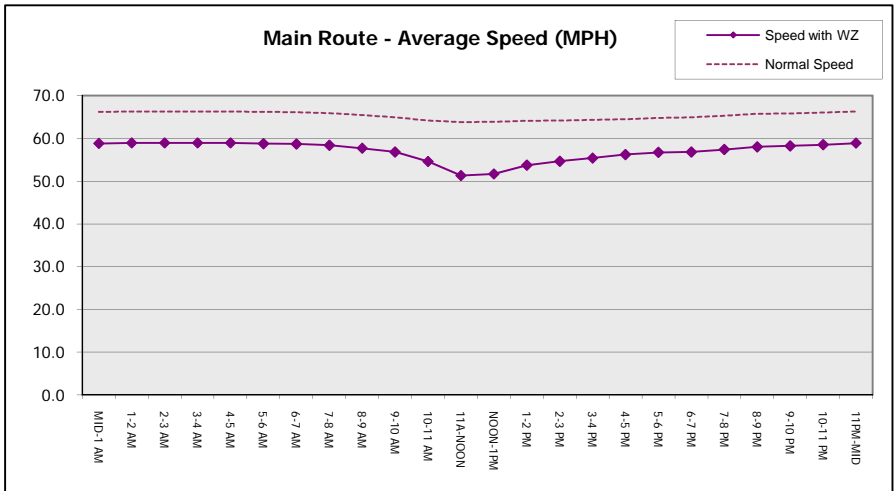
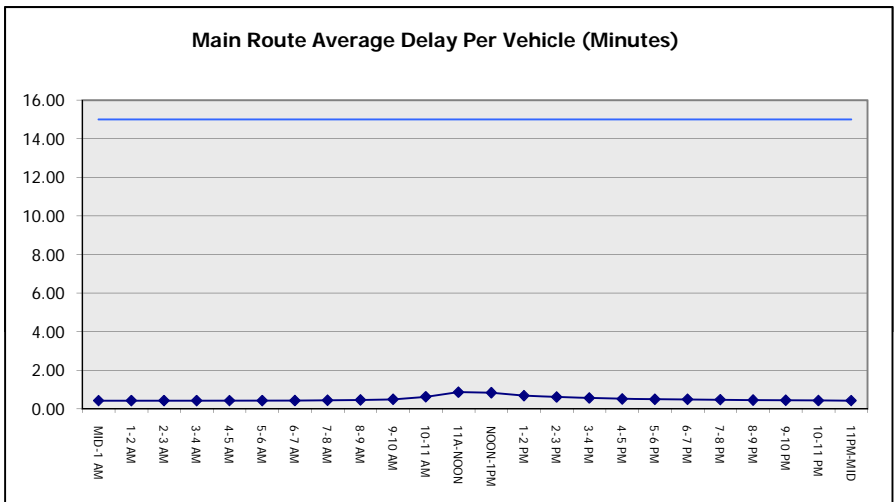
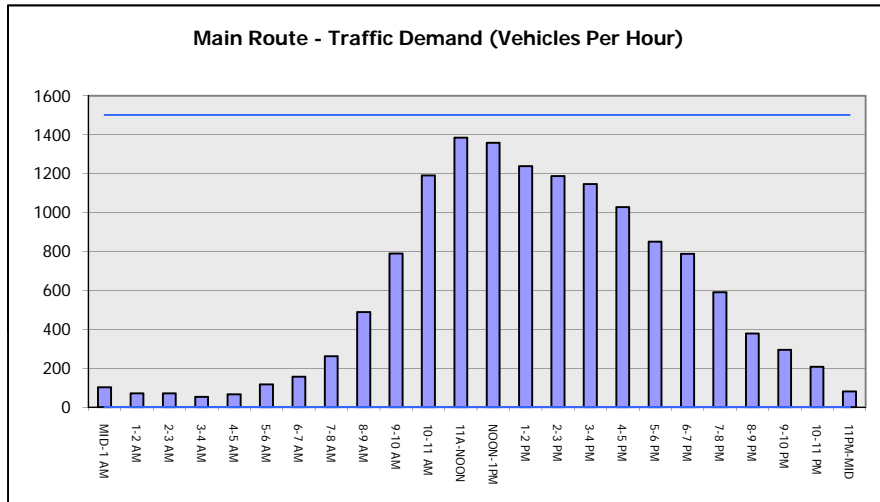
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,188
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 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>OCTOBER</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	101	0.0	47	0.0	1500	101	0	47	0.43	0	66.2	58.8	45.1	31.7	31.7
1-2 AM	83	0.0	39	0.0	1500	83	0	39	0.43	0	66.3	58.9	45.1	31.9	31.9
2-3 AM	71	0.0	32	0.0	1500	71	0	32	0.43	0	66.3	58.9	45.2	32.1	32.1
3-4 AM	51	0.0	23	0.0	1500	51	0	23	0.43	0	66.3	59.0	45.3	32.4	32.4
4-5 AM	59	0.0	27	0.0	1500	59	0	27	0.43	0	66.3	58.9	45.3	32.2	32.2
5-6 AM	104	0.0	49	0.0	1500	104	0	49	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	226	0.0	104	0.0	1500	226	0	104	0.44	0	66.0	58.4	44.6	30.3	30.3
8-9 AM	491	0.0	227	0.0	1500	491	0	227	0.47	0	65.5	57.7	43.5	27.2	27.2
9-10 AM	550	0.0	255	0.0	1500	550	0	255	0.48	0	65.4	57.5	43.3	26.5	26.5
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	898	0.0	416	0.0	1500	898	0	416	0.51	0	64.7	56.5	42.0	22.5	22.5
NOON-1PM	975	0.0	451	0.0	1500	975	0	451	0.52	0	64.6	56.3	41.8	21.6	21.6
1-2 PM	1029	0.0	477	0.0	1500	1029	0	477	0.52	0	64.5	56.2	41.6	21.1	21.1
2-3 PM	1062	0.0	492	0.0	1500	1062	0	492	0.53	0	64.4	56.1	41.5	20.8	20.8
3-4 PM	1066	0.0	494	0.0	1500	1066	0	494	0.53	0	64.4	56.1	41.4	20.8	20.8
4-5 PM	994	0.0	461	0.0	1500	994	0	461	0.52	0	64.5	56.3	41.7	21.4	21.4
5-6 PM	840	0.0	390	0.0	1500	840	0	390	0.50	0	64.8	56.7	42.2	23.1	23.1
6-7 PM	711	0.0	330	0.0	1500	711	0	330	0.49	0	65.1	57.1	42.7	24.7	24.7
7-8 PM	486	0.0	225	0.0	1500	486	0	225	0.47	0	65.5	57.7	43.5	27.3	27.3
8-9 PM	313	0.0	145	0.0	1500	313	0	145	0.45	0	65.8	58.2	44.2	29.2	29.2
9-10 PM	234	0.0	109	0.0	1500	234	0	109	0.45	0	66.0	58.4	44.5	30.2	30.2
10-11 PM	159	0.0	74	0.0	1500	159	0	74	0.44	0	66.1	58.6	44.8	31.1	31.1
11PM-MID	82	0.0	39	0.0	1500	82	0	39	0.43	0	66.3	58.9	45.1	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	0.0070
MAIN ROUTE WITH WORKS	0.0063
DIVERSION	0.0444

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,508
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

