

**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

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	92	0.0	43	0.0	1500	92	0	43	0.43	0	66.2	58.9	45.1	32.4	32.4
1-2 AM	62	0.0	28	0.0	1500	62	0	28	0.43	0	66.3	58.9	45.3	32.5	32.5
2-3 AM	65	0.0	29	0.0	1500	65	0	29	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	93	0.0	44	0.0	1500	93	0	44	0.43	0	66.2	58.8	45.1	32.4	32.4
5-6 AM	197	0.0	91	0.0	1500	197	0	91	0.44	0	66.0	58.6	44.7	31.8	31.8
6-7 AM	304	0.0	141	0.0	1500	304	0	141	0.45	0	65.8	58.2	44.3	31.1	31.1
7-8 AM	509	0.0	236	0.0	1500	509	0	236	0.47	0	65.5	57.6	43.5	29.9	29.9
8-9 AM	770	0.0	357	0.0	1500	770	0	357	0.50	0	65.0	56.9	42.5	28.4	28.4
9-10 AM	972	0.0	450	0.0	1500	972	0	450	0.52	0	64.6	56.3	41.8	27.3	27.3
10-11 AM	1136	0.0	527	0.0	1500	1136	0	527	0.55	0	64.3	55.6	40.6	26.3	26.3
11A-NOON	1157	0.0	536	0.0	1500	1157	0	536	0.58	0	64.2	55.2	39.9	26.2	26.2
NOON-1PM	1086	0.0	503	0.0	1500	1086	0	503	0.53	0	64.3	56.0	41.4	26.6	26.6
1-2 PM	989	0.0	459	0.0	1500	989	0	459	0.52	0	64.5	56.3	41.7	27.1	27.1
2-3 PM	983	0.0	456	0.0	1500	983	0	456	0.52	0	64.6	56.3	41.7	27.2	27.2
3-4 PM	1004	0.0	466	0.0	1500	1004	0	466	0.52	0	64.5	56.3	41.7	27.1	27.1
4-5 PM	989	0.0	459	0.0	1500	989	0	459	0.52	0	64.5	56.3	41.7	27.1	27.1
5-6 PM	857	0.0	398	0.0	1500	857	0	398	0.51	0	64.8	56.6	42.2	27.9	27.9
6-7 PM	774	0.0	359	0.0	1500	774	0	359	0.50	0	65.0	56.9	42.5	28.4	28.4
7-8 PM	634	0.0	294	0.0	1500	634	0	294	0.48	0	65.2	57.3	43.0	29.2	29.2
8-9 PM	431	0.0	200	0.0	1500	431	0	200	0.46	0	65.6	57.9	43.8	30.4	30.4
9-10 PM	377	0.0	174	0.0	1500	377	0	174	0.46	0	65.7	58.0	44.0	30.7	30.7
10-11 PM	285	0.0	132	0.0	1500	285	0	132	0.45	0	65.8	58.2	44.3	31.2	31.2
11PM-MID	171	0.0	79	0.0	1500	171	0	79	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 (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	0.0085
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0535

PIA: Personal Injury Accidents

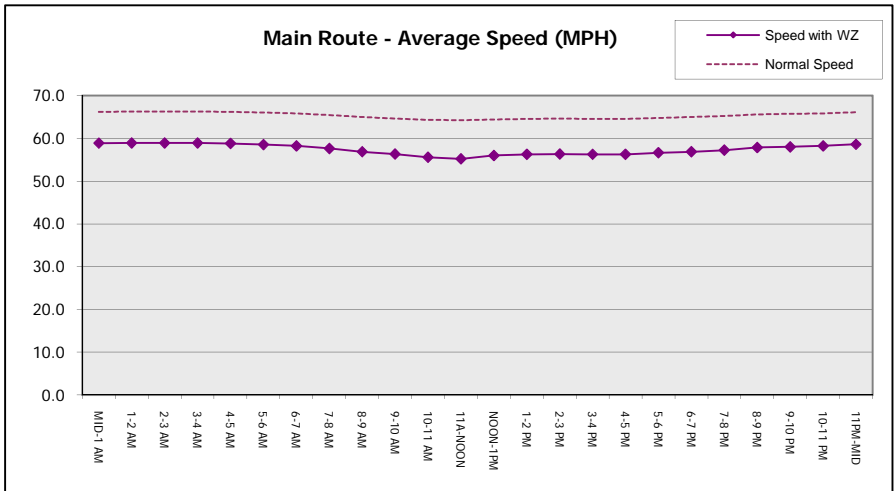
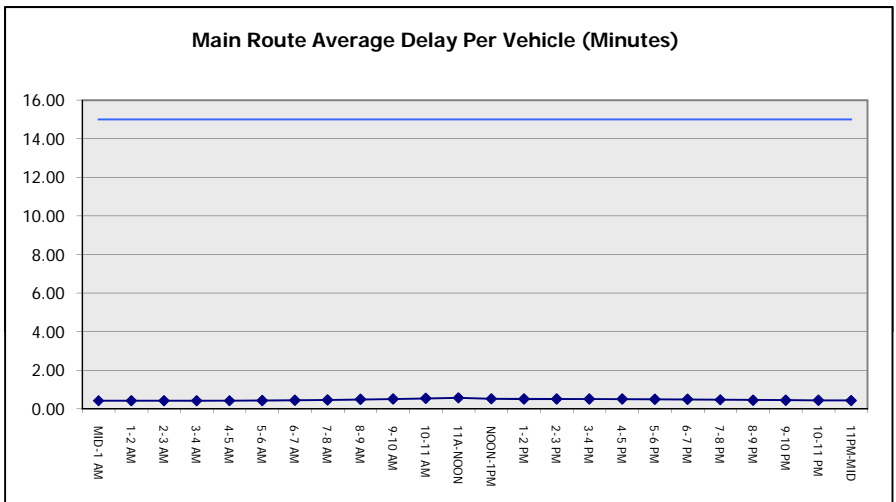
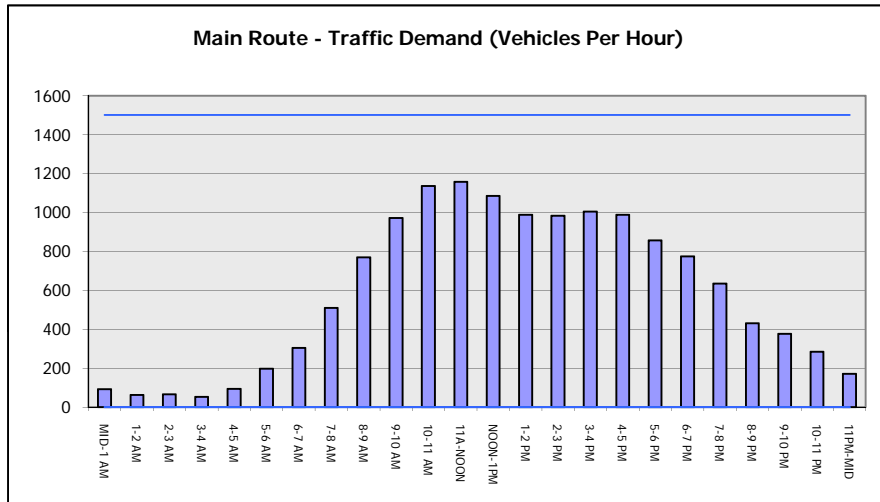
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,818
CONGESTED HOURS PER DAY*	0

*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
SATURDAY SOUTHBOUND DIRECTION



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

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	126	0.0	58	0.0	1500	126	0	58	0.43	0	66.1	58.7	45.0	31.5	31.5
1-2 AM	90	0.0	42	0.0	1500	90	0	42	0.43	0	66.2	58.9	45.1	31.9	31.9
2-3 AM	74	0.0	34	0.0	1500	74	0	34	0.43	0	66.3	58.9	45.2	32.0	32.0
3-4 AM	54	0.0	25	0.0	1500	54	0	25	0.43	0	66.3	58.9	45.3	32.3	32.3
4-5 AM	100	0.0	47	0.0	1500	100	0	47	0.43	0	66.2	58.8	45.1	31.7	31.7
5-6 AM	186	0.0	86	0.0	1500	186	0	86	0.44	0	66.0	58.6	44.7	30.7	30.7
6-7 AM	301	0.0	139	0.0	1500	301	0	139	0.45	0	65.8	58.2	44.3	29.4	29.4
7-8 AM	453	0.0	210	0.0	1500	453	0	210	0.47	0	65.5	57.8	43.7	27.6	27.6
8-9 AM	648	0.0	300	0.0	1500	648	0	300	0.49	0	65.2	57.3	43.0	25.4	25.4
9-10 AM	821	0.0	380	0.0	1500	821	0	380	0.50	0	64.8	56.8	42.3	23.3	23.3
10-11 AM	976	0.0	452	0.0	1500	976	0	452	0.52	0	64.6	56.3	41.8	21.6	21.6
11A-NOON	1047	0.0	486	0.0	1500	1047	0	486	0.52	0	64.5	56.1	41.5	20.9	20.9
NOON-1PM	1109	0.0	514	0.0	1500	1109	0	514	0.53	0	64.3	56.0	41.3	20.4	20.4
1-2 PM	1122	0.0	520	0.0	1500	1122	0	520	0.54	0	64.3	55.8	41.1	20.3	20.3
2-3 PM	1133	0.0	526	0.0	1500	1133	0	526	0.55	0	64.3	55.6	40.7	20.2	20.2
3-4 PM	1111	0.0	514	0.0	1500	1111	0	514	0.53	0	64.3	56.0	41.3	20.4	20.4
4-5 PM	1079	0.0	500	0.0	1500	1079	0	500	0.53	0	64.4	56.0	41.4	20.7	20.7
5-6 PM	1003	0.0	465	0.0	1500	1003	0	465	0.52	0	64.5	56.3	41.7	21.4	21.4
6-7 PM	845	0.0	392	0.0	1500	845	0	392	0.50	0	64.8	56.7	42.2	23.1	23.1
7-8 PM	696	0.0	323	0.0	1500	696	0	323	0.49	0	65.1	57.1	42.8	24.8	24.8
8-9 PM	558	0.0	259	0.0	1500	558	0	259	0.48	0	65.3	57.5	43.3	26.4	26.4
9-10 PM	426	0.0	198	0.0	1500	426	0	198	0.46	0	65.6	57.9	43.8	27.9	27.9
10-11 PM	284	0.0	132	0.0	1500	284	0	132	0.45	0	65.8	58.2	44.3	29.6	29.6
11PM-MID	181	0.0	83	0.0	1500	181	0	83	0.44	0	66.1	58.6	44.8	30.8	30.8

----- 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	0.0087
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0551

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,866
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

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SATURDAY NORTHBOUND DIRECTION

