

**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
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	137	0.0	64	0.0	1500	137	0	64	0.44	0	66.1	58.7	45.0	32.1	32.1
1-2 AM	82	0.0	39	0.0	1500	82	0	39	0.43	0	66.3	58.9	45.1	32.4	32.4
2-3 AM	80	0.0	37	0.0	1500	80	0	37	0.43	0	66.3	58.9	45.1	32.5	32.5
3-4 AM	54	0.0	24	0.0	1500	54	0	24	0.43	0	66.3	58.9	45.3	32.6	32.6
4-5 AM	56	0.0	26	0.0	1500	56	0	26	0.43	0	66.3	58.9	45.3	32.6	32.6
5-6 AM	107	0.0	50	0.0	1500	107	0	50	0.43	0	66.2	58.8	45.1	32.3	32.3
6-7 AM	157	0.0	73	0.0	1500	157	0	73	0.44	0	66.1	58.6	44.8	32.0	32.0
7-8 AM	241	0.0	112	0.0	1500	241	0	112	0.45	0	66.0	58.4	44.5	31.5	31.5
8-9 AM	395	0.0	183	0.0	1500	395	0	183	0.46	0	65.6	57.9	43.9	30.6	30.6
9-10 AM	692	0.0	321	0.0	1500	692	0	321	0.49	0	65.1	57.1	42.8	28.9	28.9
10-11 AM	1024	0.0	474	0.0	1500	1024	0	474	0.52	0	64.5	56.2	41.6	27.0	27.0
11A-NOON	1166	0.0	541	0.0	1500	1166	0	541	0.59	0	64.2	55.0	39.6	26.1	26.1
NOON-1PM	1275	0.0	592	0.0	1500	1275	0	592	0.73	0	64.0	53.1	36.2	25.5	25.5
1-2 PM	1156	0.0	536	0.0	1500	1156	0	536	0.58	0	64.2	55.2	39.9	26.2	26.2
2-3 PM	1099	0.0	509	0.0	1500	1099	0	509	0.53	0	64.3	56.0	41.4	26.5	26.5
3-4 PM	1091	0.0	505	0.0	1500	1091	0	505	0.53	0	64.3	56.0	41.4	26.6	26.6
4-5 PM	1085	0.0	502	0.0	1500	1085	0	502	0.53	0	64.3	56.0	41.4	26.6	26.6
5-6 PM	979	0.0	454	0.0	1500	979	0	454	0.52	0	64.6	56.3	41.7	27.2	27.2
6-7 PM	799	0.0	370	0.0	1500	799	0	370	0.50	0	64.9	56.8	42.4	28.3	28.3
7-8 PM	613	0.0	284	0.0	1500	613	0	284	0.48	0	65.3	57.3	43.1	29.4	29.4
8-9 PM	493	0.0	228	0.0	1500	493	0	228	0.47	0	65.5	57.7	43.5	30.1	30.1
9-10 PM	388	0.0	180	0.0	1500	388	0	180	0.46	0	65.6	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	152	0.0	71	0.0	1500	152	0	71	0.44	0	66.1	58.7	44.9	32.0	32.0

----- 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	0.0082
MAIN ROUTE WITH WORKS	0.0073
DIVERSION	0.0519

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

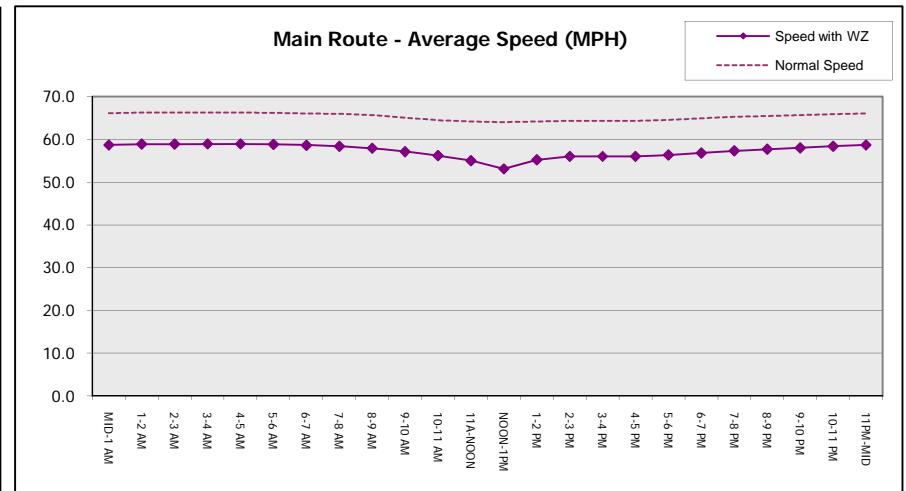
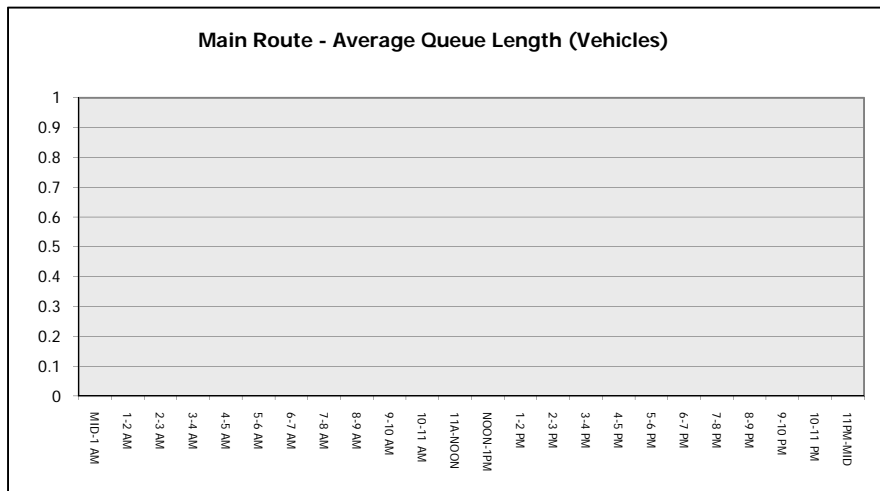
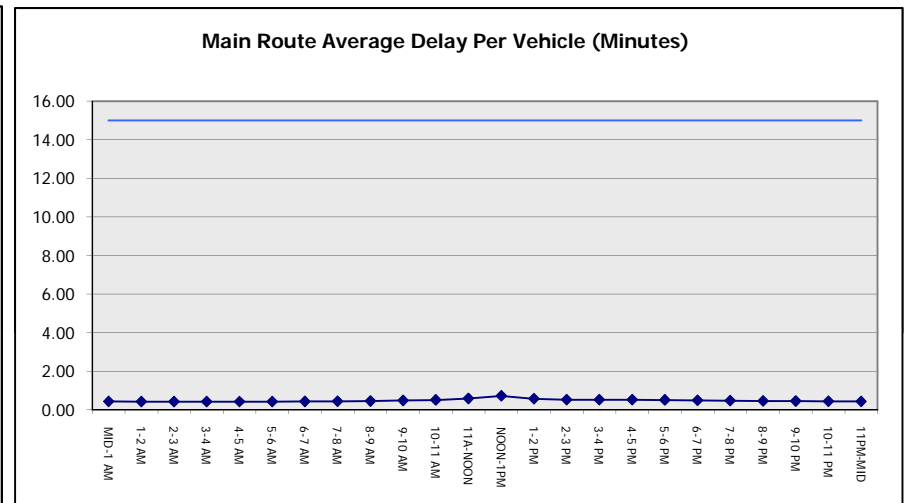
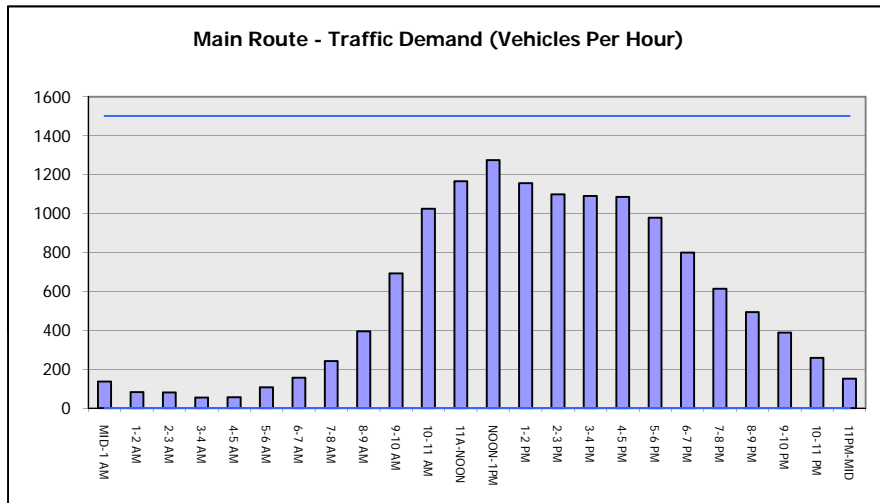
ROAD USER COSTS PER DAY (DOLLARS)	\$1,878
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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

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	146	0.0	68	0.0	1500	146	0	68	0.44	0	66.1	58.7	44.9	31.2	31.2
1-2 AM	93	0.0	43	0.0	1500	93	0	43	0.43	0	66.2	58.8	45.1	31.9	31.9
2-3 AM	76	0.0	36	0.0	1500	76	0	36	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	51	0.0	23	0.0	1500	51	0	23	0.43	0	66.3	59.0	45.3	32.4	32.4
5-6 AM	81	0.0	38	0.0	1500	81	0	38	0.43	0	66.3	58.9	45.1	32.0	32.0
6-7 AM	136	0.0	63	0.0	1500	136	0	63	0.44	0	66.1	58.7	45.0	31.4	31.4
7-8 AM	199	0.0	92	0.0	1500	199	0	92	0.44	0	66.0	58.5	44.7	30.6	30.6
8-9 AM	444	0.0	206	0.0	1500	444	0	206	0.47	0	65.6	57.8	43.7	27.8	27.8
9-10 AM	563	0.0	261	0.0	1500	563	0	261	0.48	0	65.3	57.5	43.3	26.4	26.4
10-11 AM	864	0.0	401	0.0	1500	864	0	401	0.51	0	64.8	56.6	42.2	22.9	22.9
11A-NOON	929	0.0	431	0.0	1500	929	0	431	0.51	0	64.6	56.4	41.9	22.1	22.1
NOON-1PM	1058	0.0	490	0.0	1500	1058	0	490	0.52	0	64.4	56.1	41.5	20.9	20.9
1-2 PM	1036	0.0	480	0.0	1500	1036	0	480	0.52	0	64.5	56.1	41.5	21.1	21.1
2-3 PM	1083	0.0	502	0.0	1500	1083	0	502	0.53	0	64.4	56.0	41.4	20.6	20.6
3-4 PM	1101	0.0	510	0.0	1500	1101	0	510	0.53	0	64.3	56.0	41.4	20.5	20.5
4-5 PM	1046	0.0	485	0.0	1500	1046	0	485	0.52	0	64.5	56.1	41.5	21.0	21.0
5-6 PM	926	0.0	429	0.0	1500	926	0	429	0.51	0	64.6	56.4	41.9	22.1	22.1
6-7 PM	773	0.0	358	0.0	1500	773	0	358	0.50	0	65.0	56.9	42.5	23.9	23.9
7-8 PM	544	0.0	253	0.0	1500	544	0	253	0.48	0	65.4	57.5	43.3	26.6	26.6
8-9 PM	467	0.0	216	0.0	1500	467	0	216	0.47	0	65.5	57.8	43.7	27.5	27.5
9-10 PM	301	0.0	140	0.0	1500	301	0	140	0.45	0	65.8	58.2	44.3	29.4	29.4
10-11 PM	236	0.0	110	0.0	1500	236	0	110	0.45	0	66.0	58.4	44.5	30.2	30.2
11PM-MID	130	0.0	60	0.0	1500	130	0	60	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	0.0075
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.0472

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,597
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

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SUNDAY NORTHBOUND DIRECTION

