

**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
MON-THUR 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	71	0.0	32	0.0	1500	71	0	32	0.43	0	66.3	58.9	45.2	32.5	32.5
1-2 AM	52	0.0	23	0.0	1500	52	0	23	0.43	0	66.3	58.9	45.3	32.6	32.6
2-3 AM	51	0.0	23	0.0	1500	51	0	23	0.43	0	66.3	59.0	45.3	32.6	32.6
3-4 AM	60	0.0	27	0.0	1500	60	0	27	0.43	0	66.3	58.9	45.3	32.5	32.5
4-5 AM	130	0.0	61	0.0	1500	130	0	61	0.44	0	66.1	58.7	45.0	32.2	32.2
5-6 AM	462	0.0	215	0.0	1500	462	0	215	0.47	0	65.5	57.8	43.7	30.2	30.2
6-7 AM	927	0.0	431	0.0	1499	927	0	431	0.51	0	64.6	56.4	41.9	27.5	27.5
7-8 AM	1716	0.0	796	0.0	1499	1716	0	796	4.23	100	63.2	29.1	30.8	22.9	22.9
8-9 AM	1167	0.0	541	0.0	1499	1167	0	541	2.87	88	64.2	35.5	36.3	26.1	26.1
9-10 AM	983	0.0	457	0.0	1500	983	0	457	0.52	0	64.6	56.3	41.7	27.2	27.2
10-11 AM	976	0.0	453	0.0	1500	976	0	453	0.52	0	64.6	56.3	41.7	27.2	27.2
11A-NOON	996	0.0	462	0.0	1500	996	0	462	0.52	0	64.5	56.3	41.7	27.1	27.1
NOON-1PM	1030	0.0	477	0.0	1500	1030	0	477	0.52	0	64.5	56.2	41.5	27.0	27.0
1-2 PM	1026	0.0	475	0.0	1500	1026	0	475	0.52	0	64.5	56.2	41.6	27.0	27.0
2-3 PM	1098	0.0	509	0.0	1500	1098	0	509	0.53	0	64.3	56.0	41.4	26.5	26.5
3-4 PM	1299	0.0	602	0.0	1499	1299	0	602	0.76	0	64.0	52.7	35.6	25.3	25.3
4-5 PM	1554	0.0	720	0.0	1499	1554	0	720	1.88	24	63.5	41.7	30.8	23.8	23.8
5-6 PM	1386	0.0	643	0.0	1499	1386	0	643	1.75	26	63.8	42.8	32.9	24.8	24.8
6-7 PM	899	0.0	417	0.0	1500	899	0	417	0.51	0	64.7	56.5	42.0	27.7	27.7
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	473	0.0	219	0.0	1500	473	0	219	0.47	0	65.5	57.8	43.6	30.2	30.2
9-10 PM	364	0.0	169	0.0	1500	364	0	169	0.46	0	65.7	58.1	44.0	30.8	30.8
10-11 PM	239	0.0	112	0.0	1500	239	0	112	0.45	0	66.0	58.4	44.5	31.5	31.5
11PM-MID	173	0.0	80	0.0	1500	173	0	80	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	0.0107
MAIN ROUTE WITH WORKS	0.0096
DIVERSION	0.0679

PIA: Personal Injury Accidents

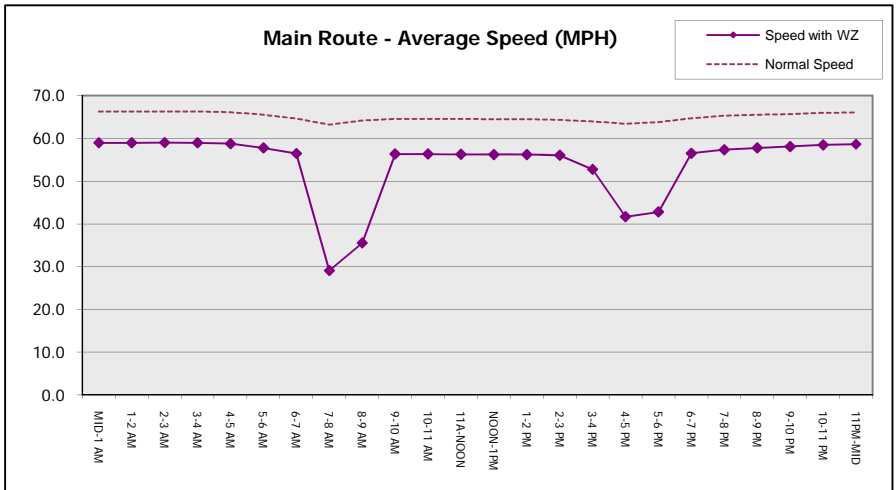
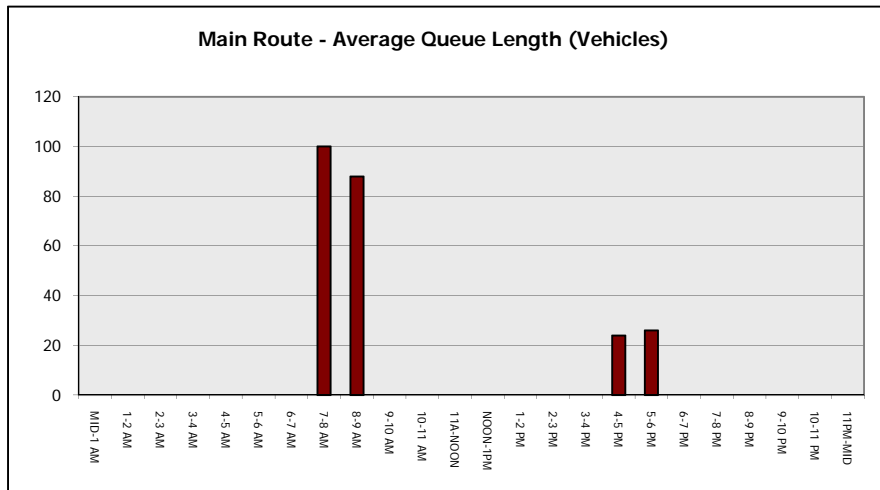
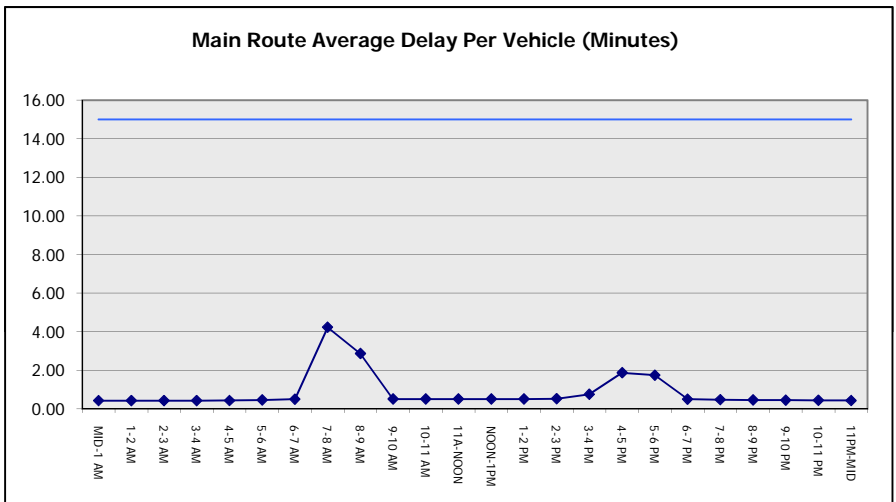
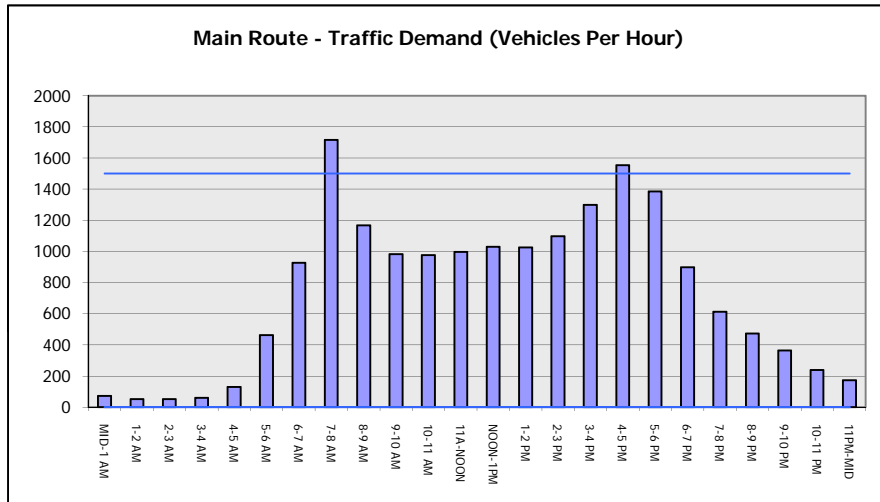
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,999
CONGESTED HOURS PER DAY*	0

*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**

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	96	0.0	45	0.0	1500	96	0	45	0.43	0	66.2	58.8	45.1	31.8	31.8
1-2 AM	67	0.0	31	0.0	1500	67	0	31	0.43	0	66.3	58.9	45.2	32.1	32.1
2-3 AM	61	0.0	28	0.0	1500	61	0	28	0.43	0	66.3	58.9	45.3	32.2	32.2
3-4 AM	67	0.0	30	0.0	1500	67	0	30	0.43	0	66.3	58.9	45.2	32.2	32.2
4-5 AM	114	0.0	53	0.0	1500	114	0	53	0.43	0	66.2	58.8	45.0	31.6	31.6
5-6 AM	306	0.0	142	0.0	1500	306	0	142	0.45	0	65.8	58.2	44.3	29.4	29.4
6-7 AM	738	0.0	342	0.0	1500	738	0	342	0.49	0	65.0	57.0	42.6	24.3	24.3
7-8 AM	1119	0.0	517	0.0	1500	1119	0	517	0.53	0	64.3	55.9	41.2	20.4	20.4
8-9 AM	847	0.0	393	0.0	1500	847	0	393	0.50	0	64.8	56.7	42.2	23.0	23.0
9-10 AM	768	0.0	356	0.0	1500	768	0	356	0.50	0	65.0	56.9	42.5	24.0	24.0
10-11 AM	833	0.0	386	0.0	1500	833	0	386	0.50	0	64.8	56.7	42.3	23.2	23.2
11A-NOON	916	0.0	425	0.0	1500	916	0	425	0.51	0	64.7	56.5	42.0	22.2	22.2
NOON-1PM	1011	0.0	469	0.0	1500	1011	0	469	0.52	0	64.5	56.2	41.7	21.3	21.3
1-2 PM	1089	0.0	504	0.0	1500	1089	0	504	0.53	0	64.3	56.0	41.4	20.6	20.6
2-3 PM	1273	0.0	591	0.0	1499	1273	0	591	0.73	0	64.0	53.1	36.3	18.9	18.9
3-4 PM	1494	0.0	692	0.0	1499	1494	0	692	1.21	6	63.6	47.6	31.5	17.0	17.0
4-5 PM	1747	0.0	809	0.0	1500	1747	0	809+	5.82	145	63.2	24.2	30.8	14.7	14.7
5-6 PM	1655	0.0	767	0.0	1499	1655	0	767	14.71	373	63.3	12.5	30.8	15.5	15.5
6-7 PM	1024	0.0	475	0.0	1499	1011	13	488	5.88	209	64.5	24.2	36.3	21.2	21.0
7-8 PM	790	0.0	365	0.0	1500	790	0	365	0.50	0	64.9	56.8	42.4	23.7	23.7
8-9 PM	668	0.0	308	0.0	1500	668	0	308	0.49	0	65.1	57.2	42.8	25.2	25.2
9-10 PM	480	0.0	222	0.0	1500	480	0	222	0.47	0	65.5	57.7	43.6	27.3	27.3
10-11 PM	317	0.0	147	0.0	1500	317	0	147	0.45	0	65.8	58.2	44.2	29.2	29.2
11PM-MID	188	0.0	87	0.0	1500	188	0	87	0.44	0	66.0	58.6	44.7	30.7	30.7

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0107
MAIN ROUTE WITH WORKS	0.0095
DIVERSION	0.0676

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$10,872
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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MON-THUR NORTHBOUND DIRECTION

