

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

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	52	0.0	24	0.0	1500	52	0	24	0.43	0	66.3	58.9	45.3	32.6	32.6
1-2 AM	47	0.0	21	0.0	1500	47	0	21	0.43	0	66.3	59.0	45.3	32.7	32.7
2-3 AM	46	0.0	21	0.0	1500	46	0	21	0.43	0	66.3	59.0	45.3	32.7	32.7
3-4 AM	67	0.0	31	0.0	1500	67	0	31	0.43	0	66.3	58.9	45.2	32.5	32.5
4-5 AM	179	0.0	82	0.0	1500	179	0	82	0.44	0	66.1	58.6	44.8	31.9	31.9
5-6 AM	612	0.0	284	0.0	1500	612	0	284	0.48	0	65.3	57.3	43.1	29.4	29.4
6-7 AM	1291	0.0	600	0.0	1499	1291	0	600	0.75	0	64.0	52.9	36.1	25.4	25.4
7-8 AM	1673	0.0	776	0.0	1499	1673	0	776	4.16	93	63.3	29.4	30.8	23.2	23.2
8-9 AM	1062	0.0	492	0.0	1500	1062	0	492	1.66	42	64.4	43.8	38.8	26.7	26.7
9-10 AM	958	0.0	444	0.0	1500	958	0	444	0.52	0	64.6	56.4	41.9	27.3	27.3
10-11 AM	960	0.0	445	0.0	1500	960	0	445	0.52	0	64.6	56.4	41.8	27.3	27.3
11A-NOON	961	0.0	445	0.0	1500	961	0	445	0.52	0	64.6	56.4	41.8	27.3	27.3
NOON-1PM	947	0.0	439	0.0	1500	947	0	439	0.51	0	64.6	56.4	41.9	27.4	27.4
1-2 PM	941	0.0	436	0.0	1500	941	0	436	0.51	0	64.6	56.4	41.9	27.4	27.4
2-3 PM	1058	0.0	491	0.0	1500	1058	0	491	0.52	0	64.4	56.1	41.5	26.8	26.8
3-4 PM	1265	0.0	586	0.0	1500	1265	0	586	0.72	0	64.0	53.2	36.5	25.5	25.5
4-5 PM	1478	0.0	686	0.0	1500	1478	0	686	1.00	0	63.7	49.8	31.2	24.3	24.3
5-6 PM	1096	0.0	508	0.0	1500	1096	0	508	0.53	0	64.3	56.0	41.4	26.5	26.5
6-7 PM	707	0.0	328	0.0	1500	707	0	328	0.49	0	65.1	57.1	42.7	28.8	28.8
7-8 PM	453	0.0	210	0.0	1500	453	0	210	0.47	0	65.5	57.8	43.7	30.3	30.3
8-9 PM	348	0.0	161	0.0	1500	348	0	161	0.46	0	65.8	58.1	44.1	30.9	30.9
9-10 PM	261	0.0	121	0.0	1500	261	0	121	0.45	0	65.9	58.4	44.5	31.4	31.4
10-11 PM	207	0.0	96	0.0	1500	207	0	96	0.44	0	66.0	58.5	44.6	31.7	31.7
11PM-MID	91	0.0	43	0.0	1500	91	0	43	0.43	0	66.2	58.9	45.1	32.4	32.4

----- 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	0.0101
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0641

PIA: Personal Injury Accidents

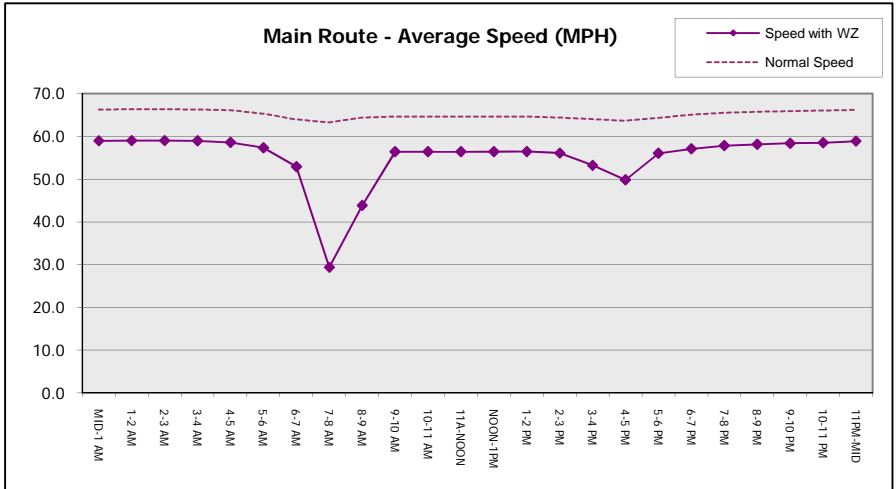
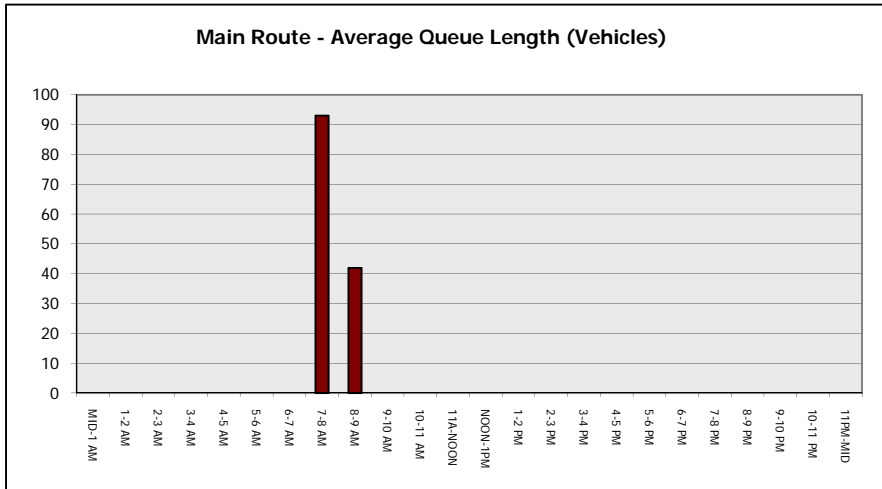
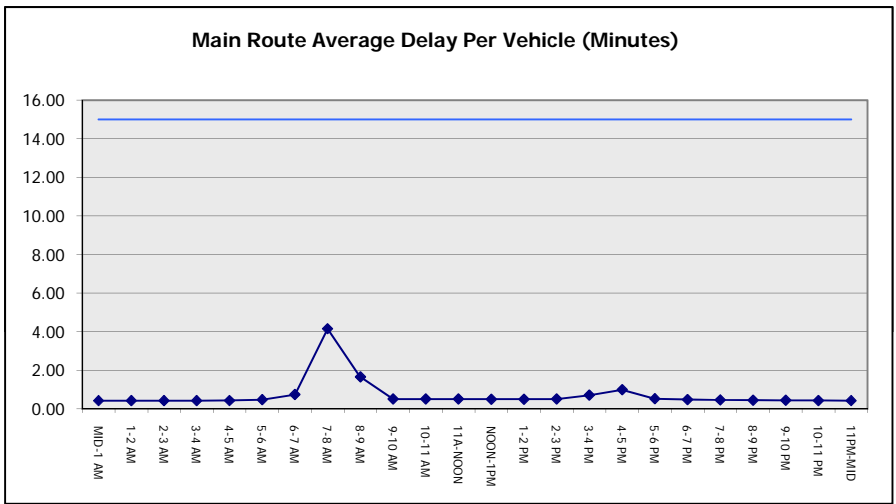
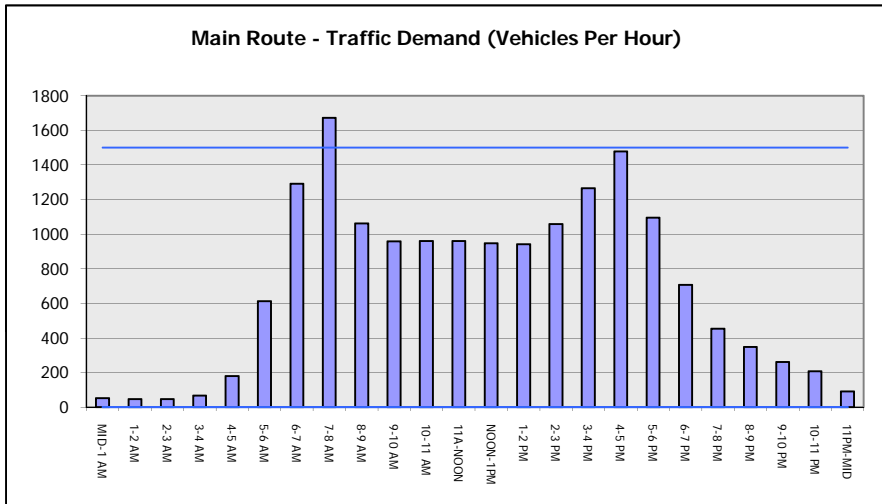
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,787
CONGESTED HOURS PER DAY*	0

*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**

OCTOBER
 Analyzed for 2009
 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	OCTOBER
	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			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		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	61	0.0	28	0.0	1500	61	0	28	0.43	0	66.3	58.9	45.3	32.2	32.2
1-2 AM	53	0.0	24	0.0	1500	53	0	24	0.43	0	66.3	58.9	45.3	32.3	32.3
2-3 AM	55	0.0	25	0.0	1500	55	0	25	0.43	0	66.3	58.9	45.3	32.3	32.3
3-4 AM	71	0.0	32	0.0	1500	71	0	32	0.43	0	66.3	58.9	45.2	32.1	32.1
4-5 AM	174	0.0	81	0.0	1500	174	0	81	0.44	0	66.1	58.6	44.8	30.9	30.9
5-6 AM	409	0.0	190	0.0	1500	409	0	190	0.46	0	65.6	57.9	43.8	28.1	28.1
6-7 AM	896	0.0	415	0.0	1500	896	0	415	0.51	0	64.7	56.6	42.0	22.5	22.5
7-8 AM	1011	0.0	469	0.0	1500	1011	0	469	0.52	0	64.5	56.2	41.6	21.3	21.3
8-9 AM	759	0.0	352	0.0	1500	759	0	352	0.50	0	65.0	56.9	42.5	24.1	24.1
9-10 AM	735	0.0	340	0.0	1500	735	0	340	0.49	0	65.0	57.0	42.6	24.4	24.4
10-11 AM	796	0.0	369	0.0	1500	796	0	369	0.50	0	64.9	56.8	42.4	23.7	23.7
11A-NOON	890	0.0	413	0.0	1500	890	0	413	0.51	0	64.7	56.6	42.0	22.5	22.5
NOON-1PM	987	0.0	458	0.0	1500	987	0	458	0.52	0	64.5	56.3	41.7	21.5	21.5
1-2 PM	1095	0.0	507	0.0	1500	1095	0	507	0.53	0	64.3	56.0	41.4	20.6	20.6
2-3 PM	1305	0.0	605	0.0	1499	1305	0	605	0.77	0	64.0	52.6	35.5	18.7	18.7
3-4 PM	1561	0.0	723	0.0	1499	1561	0	723	1.56	16	63.5	44.2	30.9	16.4	16.4
4-5 PM	1902	0.0	882	0.0	1500	1902	0	882+	10.16	277	62.8	16.5	30.8	13.2	13.2
5-6 PM	1296	0.0	601	0.0	1499	1273	22	623	14.90	382	64.0	12.4	30.8	18.8	18.3
6-7 PM	912	0.0	423	0.0	1500	912	0	423	1.78	57	64.7	43.0	40.8	22.3	22.4
7-8 PM	688	0.0	319	0.0	1500	688	0	319	0.49	0	65.1	57.1	42.8	24.9	24.9
8-9 PM	563	0.0	261	0.0	1500	563	0	261	0.48	0	65.3	57.5	43.3	26.4	26.4
9-10 PM	379	0.0	176	0.0	1500	379	0	176	0.46	0	65.7	58.0	44.0	28.5	28.5
10-11 PM	223	0.0	103	0.0	1500	223	0	103	0.44	0	66.0	58.4	44.6	30.3	30.3
11PM-MID	140	0.0	65	0.0	1500	140	0	65	0.44	0	66.1	58.7	44.9	31.3	31.3

+ 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	0.0103
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0650

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$10,779
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
MON-THUR NORTHBOUND DIRECTION

