

USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 312 - BUS 53	AUGUST
	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	125	0.0	58	0.0	1500	125	0	58	0.43	0	66.1	58.7	45.0	32.2	32.2
1-2 AM	92	0.0	43	0.0	1500	92	0	43	0.43	0	66.2	58.9	45.1	32.4	32.4
2-3 AM	85	0.0	40	0.0	1500	85	0	40	0.43	0	66.2	58.9	45.1	32.4	32.4
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	92	0.0	43	0.0	1500	92	0	43	0.43	0	66.2	58.9	45.1	32.4	32.4
5-6 AM	179	0.0	83	0.0	1500	179	0	83	0.44	0	66.1	58.6	44.8	31.9	31.9
6-7 AM	298	0.0	138	0.0	1500	298	0	138	0.45	0	65.8	58.2	44.3	31.2	31.2
7-8 AM	499	0.0	231	0.0	1500	499	0	231	0.47	0	65.5	57.7	43.5	30.0	30.0
8-9 AM	777	0.0	360	0.0	1500	777	0	360	0.50	0	65.0	56.9	42.5	28.4	28.4
9-10 AM	1084	0.0	502	0.0	1500	1084	0	502	0.53	0	64.3	56.0	41.4	26.6	26.6
10-11 AM	1278	0.0	593	0.0	1500	1278	0	593	0.74	0	64.0	53.0	36.1	25.5	25.5
11A-NOON	1341	0.0	622	0.0	1500	1341	0	622	0.82	0	63.9	52.0	34.4	25.1	25.1
NOON-1PM	1186	0.0	550	0.0	1500	1186	0	550	0.62	0	64.1	54.6	38.9	26.0	26.0
1-2 PM	1104	0.0	511	0.0	1500	1104	0	511	0.53	0	64.3	56.0	41.3	26.5	26.5
2-3 PM	1066	0.0	494	0.0	1500	1066	0	494	0.53	0	64.4	56.1	41.4	26.7	26.7
3-4 PM	1012	0.0	469	0.0	1500	1012	0	469	0.52	0	64.5	56.2	41.6	27.0	27.0
4-5 PM	987	0.0	458	0.0	1500	987	0	458	0.52	0	64.5	56.3	41.7	27.1	27.1
5-6 PM	898	0.0	416	0.0	1500	898	0	416	0.51	0	64.7	56.5	42.0	27.7	27.7
6-7 PM	750	0.0	348	0.0	1500	750	0	348	0.50	0	65.0	56.9	42.6	28.6	28.6
7-8 PM	708	0.0	328	0.0	1500	708	0	328	0.49	0	65.1	57.1	42.7	28.8	28.8
8-9 PM	557	0.0	258	0.0	1500	557	0	258	0.48	0	65.3	57.5	43.3	29.7	29.7
9-10 PM	481	0.0	223	0.0	1500	481	0	223	0.47	0	65.5	57.7	43.6	30.1	30.1
10-11 PM	373	0.0	174	0.0	1500	373	0	174	0.46	0	65.7	58.0	44.0	30.7	30.7
11PM-MID	257	0.0	119	0.0	1500	257	0	119	0.45	0	65.9	58.4	44.5	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	0.0093
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.0585

PIA: Personal Injury Accidents

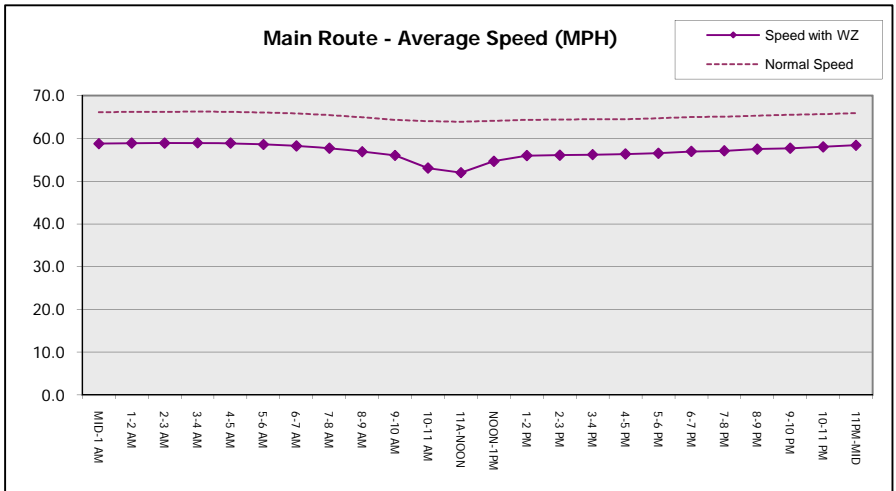
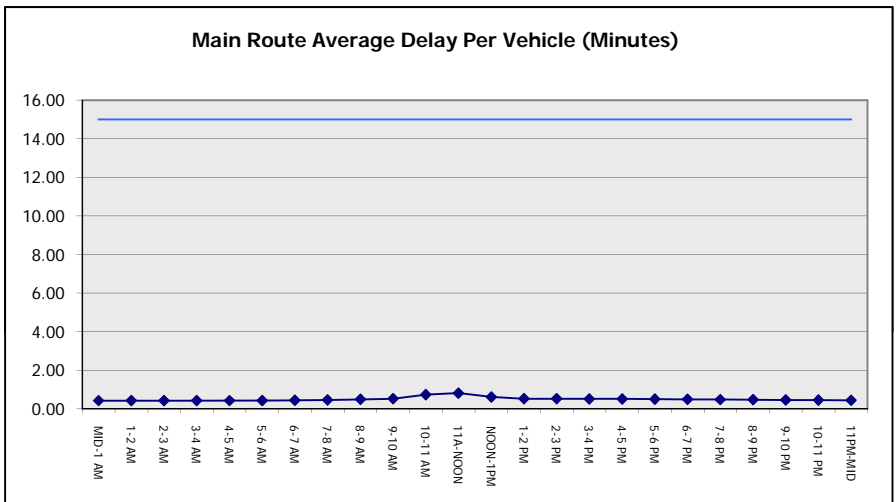
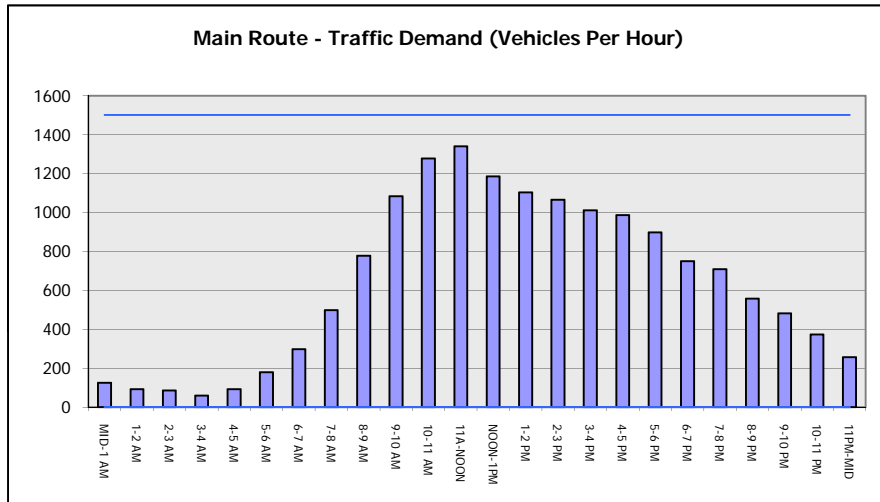
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,203
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 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	AUGUST
	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	192	0.0	88	0.0	1500	192	0	88	0.44	0	66.0	58.6	44.7	30.7	30.7
1-2 AM	125	0.0	58	0.0	1500	125	0	58	0.43	0	66.1	58.7	45.0	31.5	31.5
2-3 AM	103	0.0	48	0.0	1500	103	0	48	0.43	0	66.2	58.8	45.1	31.7	31.7
3-4 AM	81	0.0	38	0.0	1500	81	0	38	0.43	0	66.3	58.9	45.1	32.0	32.0
4-5 AM	99	0.0	46	0.0	1500	99	0	46	0.43	0	66.2	58.8	45.1	31.8	31.8
5-6 AM	173	0.0	80	0.0	1500	173	0	80	0.44	0	66.1	58.6	44.8	30.9	30.9
6-7 AM	286	0.0	133	0.0	1500	286	0	133	0.45	0	65.8	58.2	44.3	29.6	29.6
7-8 AM	457	0.0	211	0.0	1500	457	0	211	0.47	0	65.5	57.8	43.7	27.6	27.6
8-9 AM	733	0.0	340	0.0	1500	733	0	340	0.49	0	65.0	57.0	42.7	24.4	24.4
9-10 AM	941	0.0	436	0.0	1500	941	0	436	0.51	0	64.6	56.4	41.9	22.0	22.0
10-11 AM	1212	0.0	562	0.0	1500	1212	0	562	0.65	0	64.1	54.2	38.1	19.5	19.5
11A-NOON	1286	0.0	597	0.0	1500	1286	0	597	0.75	0	64.0	52.9	35.9	18.8	18.8
NOON-1PM	1351	0.0	626	0.0	1500	1351	0	626	0.83	0	63.8	51.8	34.2	18.3	18.3
1-2 PM	1335	0.0	619	0.0	1500	1335	0	619	0.81	0	63.9	52.0	34.6	18.4	18.4
2-3 PM	1285	0.0	596	0.0	1500	1285	0	596	0.75	0	64.0	52.9	35.9	18.8	18.8
3-4 PM	1215	0.0	563	0.0	1500	1215	0	563	0.66	0	64.1	54.2	37.9	19.5	19.5
4-5 PM	1066	0.0	494	0.0	1500	1066	0	494	0.53	0	64.4	56.1	41.4	20.8	20.8
5-6 PM	1023	0.0	474	0.0	1500	1023	0	474	0.52	0	64.5	56.2	41.6	21.2	21.2
6-7 PM	788	0.0	365	0.0	1500	788	0	365	0.50	0	64.9	56.8	42.4	23.7	23.7
7-8 PM	660	0.0	306	0.0	1500	660	0	306	0.49	0	65.1	57.2	42.9	25.2	25.2
8-9 PM	608	0.0	282	0.0	1500	608	0	282	0.48	0	65.3	57.4	43.1	25.8	25.8
9-10 PM	508	0.0	235	0.0	1500	508	0	235	0.47	0	65.5	57.6	43.5	27.0	27.0
10-11 PM	321	0.0	148	0.0	1500	321	0	148	0.45	0	65.8	58.2	44.2	29.2	29.2
11PM-MID	191	0.0	88	0.0	1500	191	0	88	0.44	0	66.0	58.6	44.7	30.7	30.7

----- 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	0.0097
MAIN ROUTE WITH WORKS	0.0086
DIVERSION	0.0613

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,532
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

