

**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

FRIDAY 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	68	0.0	31	0.0	1500	68	0	31	0.43	0	66.3	58.9	45.2	32.5	32.5
1-2 AM	68	0.0	31	0.0	1500	68	0	31	0.43	0	66.3	58.9	45.2	32.5	32.5
2-3 AM	49	0.0	22	0.0	1500	49	0	22	0.43	0	66.3	59.0	45.3	32.6	32.6
3-4 AM	63	0.0	29	0.0	1500	63	0	29	0.43	0	66.3	58.9	45.3	32.5	32.5
4-5 AM	176	0.0	81	0.0	1500	176	0	81	0.44	0	66.1	58.6	44.8	31.9	31.9
5-6 AM	559	0.0	259	0.0	1500	559	0	259	0.48	0	65.3	57.5	43.3	29.7	29.7
6-7 AM	1133	0.0	526	0.0	1499	1133	0	526	0.61	0	64.3	54.8	39.2	26.3	26.3
7-8 AM	1506	0.0	698	0.0	1499	1506	0	698	1.25	6	63.6	47.1	30.8	24.2	24.2
8-9 AM	1028	0.0	476	0.0	1500	1028	0	476	0.52	0	64.5	56.1	41.6	27.0	27.0
9-10 AM	1049	0.0	486	0.0	1500	1049	0	486	0.52	0	64.5	56.1	41.5	26.8	26.8
10-11 AM	1068	0.0	495	0.0	1500	1068	0	495	0.53	0	64.4	56.1	41.4	26.7	26.7
11A-NOON	1120	0.0	519	0.0	1500	1120	0	519	0.53	0	64.3	55.9	41.2	26.4	26.4
NOON-1PM	1103	0.0	511	0.0	1500	1103	0	511	0.53	0	64.3	56.0	41.3	26.5	26.5
1-2 PM	1097	0.0	508	0.0	1500	1097	0	508	0.53	0	64.3	56.0	41.4	26.5	26.5
2-3 PM	1226	0.0	568	0.0	1500	1226	0	568	0.67	0	64.1	54.0	37.6	25.8	25.8
3-4 PM	1376	0.0	638	0.0	1499	1376	0	638	0.86	0	63.8	51.4	33.6	24.9	24.9
4-5 PM	1503	0.0	696	0.0	1499	1503	0	696	1.26	6	63.6	47.1	30.9	24.2	24.2
5-6 PM	1210	0.0	561	0.0	1500	1210	0	561	0.65	0	64.1	54.3	38.3	25.9	25.9
6-7 PM	866	0.0	402	0.0	1500	866	0	402	0.51	0	64.8	56.6	42.2	27.9	27.9
7-8 PM	582	0.0	270	0.0	1500	582	0	270	0.48	0	65.3	57.4	43.2	29.5	29.5
8-9 PM	432	0.0	200	0.0	1500	432	0	200	0.46	0	65.6	57.9	43.8	30.4	30.4
9-10 PM	373	0.0	173	0.0	1500	373	0	173	0.46	0	65.7	58.0	44.0	30.7	30.7
10-11 PM	272	0.0	126	0.0	1500	272	0	126	0.45	0	65.9	58.3	44.4	31.4	31.4
11PM-MID	165	0.0	76	0.0	1500	165	0	76	0.44	0	66.1	58.6	44.8	32.0	32.0

----- 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	0.0109
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0692

PIA: Personal Injury Accidents

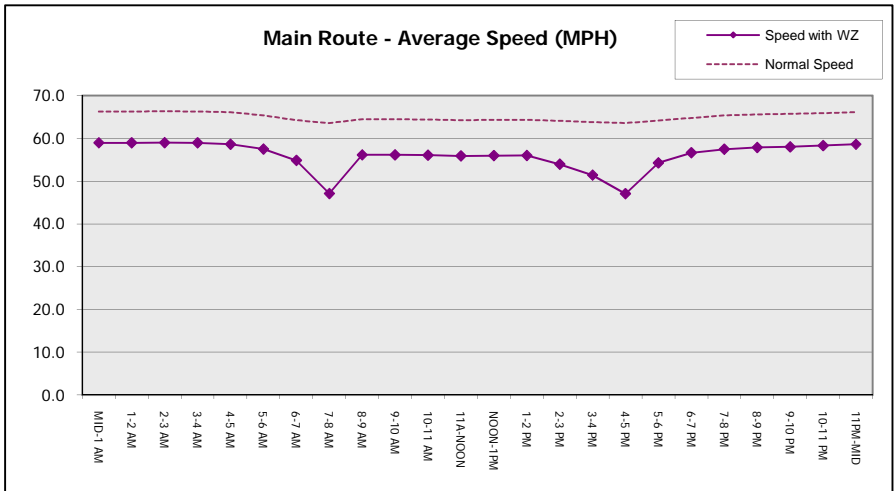
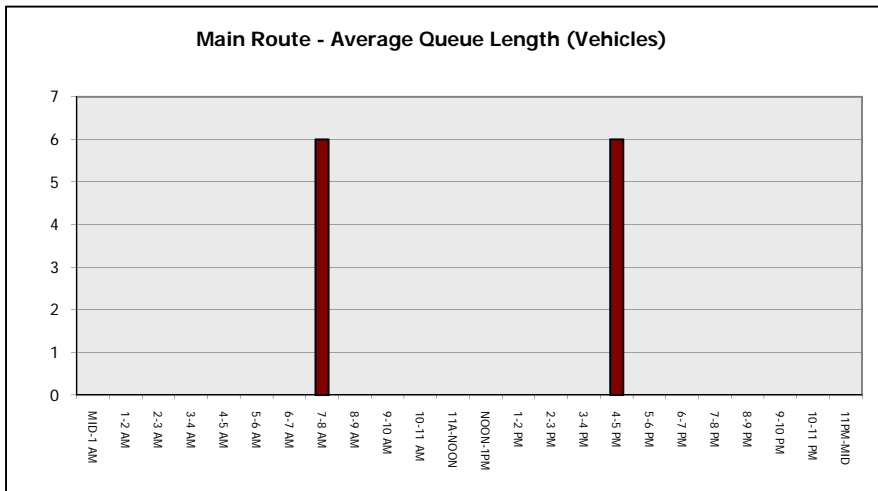
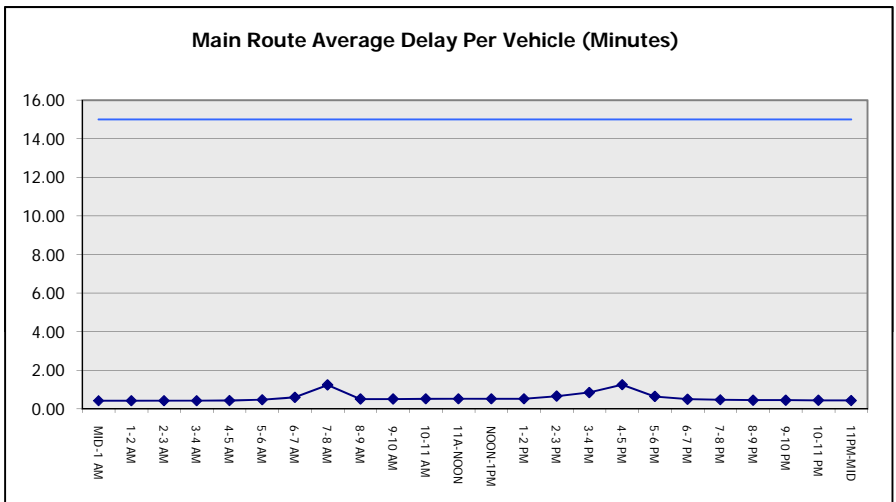
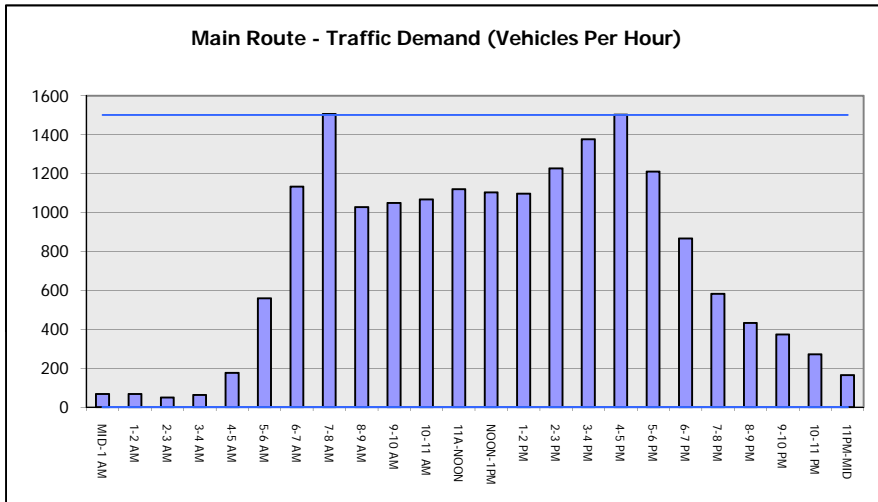
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,001
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

FRIDAY 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	93	0.0	44	0.0	1500	93	0	44	0.43	0	66.2	58.8	45.1	31.8	31.8
1-2 AM	79	0.0	37	0.0	1500	79	0	37	0.43	0	66.3	58.9	45.1	32.0	32.0
2-3 AM	69	0.0	32	0.0	1500	69	0	32	0.43	0	66.3	58.9	45.2	32.1	32.1
3-4 AM	72	0.0	33	0.0	1500	72	0	33	0.43	0	66.3	58.9	45.2	32.0	32.0
4-5 AM	160	0.0	74	0.0	1500	160	0	74	0.44	0	66.1	58.6	44.8	31.1	31.1
5-6 AM	368	0.0	170	0.0	1500	368	0	170	0.46	0	65.7	58.1	44.0	28.6	28.6
6-7 AM	829	0.0	384	0.0	1500	829	0	384	0.50	0	64.8	56.8	42.3	23.2	23.2
7-8 AM	958	0.0	444	0.0	1500	958	0	444	0.52	0	64.6	56.4	41.9	21.7	21.7
8-9 AM	830	0.0	384	0.0	1500	830	0	384	0.50	0	64.8	56.8	42.3	23.2	23.2
9-10 AM	868	0.0	403	0.0	1500	868	0	403	0.51	0	64.8	56.6	42.2	22.8	22.8
10-11 AM	994	0.0	461	0.0	1500	994	0	461	0.52	0	64.5	56.3	41.7	21.4	21.4
11A-NOON	1145	0.0	532	0.0	1500	1145	0	532	0.57	0	64.3	55.4	40.3	20.1	20.1
NOON-1PM	1333	0.0	618	0.0	1499	1333	0	618	0.81	0	63.9	52.1	34.7	18.4	18.4
1-2 PM	1466	0.0	680	0.0	1499	1466	0	680	1.01	0	63.7	49.7	31.6	17.2	17.2
2-3 PM	1665	0.0	772	0.0	1500	1665	0	772	3.33	71	63.3	32.9	30.8	15.5	15.5
3-4 PM	1931	0.0	895	0.0	1500	1931	0	895+	13.84	373	62.8	13.2	30.8	13.0	13.2
4-5 PM	1981	0.0	918	0.0	1499	1645	336	1254+	27.84	725	62.7	8.7	31.1	12.7	12.5
5-6 PM	1408	0.0	652	0.0	1500	1178	230	882+	23.05	600	63.8	9.5	30.8	17.8	14.2
6-7 PM	1086	0.0	503	0.0	1499	1076	10	513	7.35	223	64.3	20.9	34.7	20.6	20.4
7-8 PM	895	0.0	415	0.0	1500	895	0	415	0.51	0	64.7	56.6	42.0	22.5	22.5
8-9 PM	758	0.0	351	0.0	1500	758	0	351	0.50	0	65.0	56.9	42.5	24.1	24.1
9-10 PM	556	0.0	258	0.0	1500	556	0	258	0.48	0	65.3	57.5	43.3	26.5	26.5
10-11 PM	333	0.0	154	0.0	1500	333	0	154	0.45	0	65.8	58.1	44.2	29.1	29.1
11PM-MID	233	0.0	109	0.0	1500	233	0	109	0.45	0	66.0	58.4	44.5	30.2	30.2

+ 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	0.0122
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0817

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$32,690
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
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OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

