

USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 312 - BUS 53	AUGUST
	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	99	0.0	46	0.0	OFF	99	0	46	0.00	0	66.2	66.2	66.2	32.4	32.4
1-2 AM	76	0.0	36	0.0	OFF	76	0	36	0.00	0	66.3	66.3	66.3	32.5	32.5
2-3 AM	61	0.0	28	0.0	OFF	61	0	28	0.00	0	66.3	66.3	66.3	32.5	32.5
3-4 AM	66	0.0	30	0.0	OFF	66	0	30	0.00	0	66.3	66.3	66.3	32.5	32.5
4-5 AM	129	0.0	60	0.0	OFF	129	0	60	0.00	0	66.1	66.1	66.1	32.2	32.2
5-6 AM	461	0.0	214	0.0	OFF	461	0	214	0.00	0	65.5	65.5	65.5	30.2	30.2
6-7 AM	904	0.0	419	0.0	OFF	904	0	419	0.00	0	64.7	64.7	64.7	27.6	27.6
7-8 AM	1415	0.0	656	0.0	OFF	1415	0	656	0.00	0	63.8	63.8	63.8	24.7	24.7
8-9 AM	1029	0.0	477	0.0	OFF	1029	0	477	0.00	0	64.5	64.5	64.5	27.0	27.0
9-10 AM	1046	0.0	485	0.0	OFF	1046	0	485	0.00	0	64.5	64.5	64.5	26.8	26.8
10-11 AM	1181	0.0	547	0.0	1500	1181	0	547	0.61	0	64.2	54.8	39.1	26.0	26.0
11A-NOON	1241	0.0	575	0.0	1500	1241	0	575	0.69	0	64.1	53.7	37.2	25.7	25.7
NOON-1PM	1251	0.0	579	0.0	1500	1251	0	579	0.70	0	64.0	53.5	36.9	25.6	25.6
1-2 PM	1235	0.0	572	0.0	1500	1235	0	572	0.68	0	64.1	53.8	37.4	25.7	25.7
2-3 PM	1335	0.0	619	0.0	1500	1335	0	619	0.81	0	63.9	52.0	34.6	25.2	25.2
3-4 PM	1404	0.0	650	0.0	OFF	1404	0	650	0.00	0	63.8	63.8	63.8	24.7	24.7
4-5 PM	1448	0.0	671	0.0	OFF	1448	0	671	0.00	0	63.7	63.7	63.7	24.5	24.5
5-6 PM	1297	0.0	602	0.0	OFF	1297	0	602	0.00	0	64.0	64.0	64.0	25.3	25.3
6-7 PM	950	0.0	440	0.0	OFF	950	0	440	0.00	0	64.6	64.6	64.6	27.4	27.4
7-8 PM	714	0.0	331	0.0	OFF	714	0	331	0.00	0	65.1	65.1	65.1	28.8	28.8
8-9 PM	528	0.0	245	0.0	OFF	528	0	245	0.00	0	65.4	65.4	65.4	29.9	29.9
9-10 PM	455	0.0	211	0.0	OFF	455	0	211	0.00	0	65.5	65.5	65.5	30.2	30.2
10-11 PM	330	0.0	153	0.0	OFF	330	0	153	0.00	0	65.8	65.8	65.8	31.0	31.0
11PM-MID	230	0.0	107	0.0	OFF	230	0	107	0.00	0	66.0	66.0	66.0	31.5	31.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0114
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.0722

PIA: Personal Injury Accidents

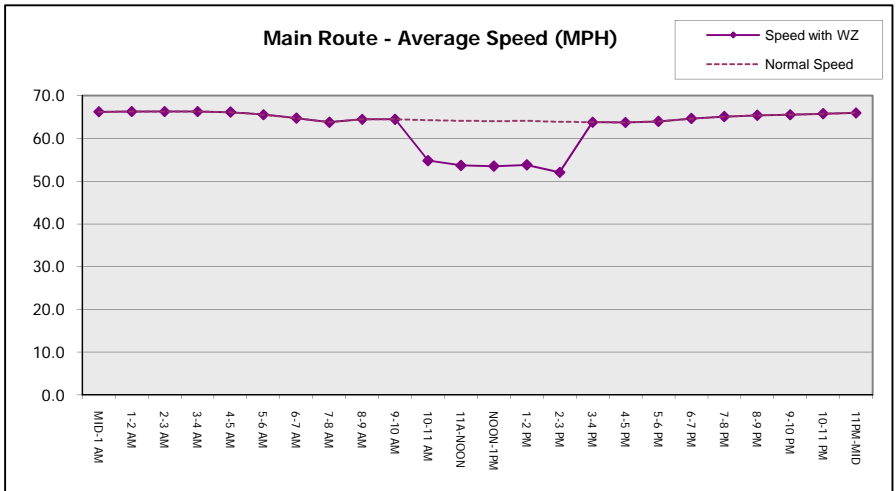
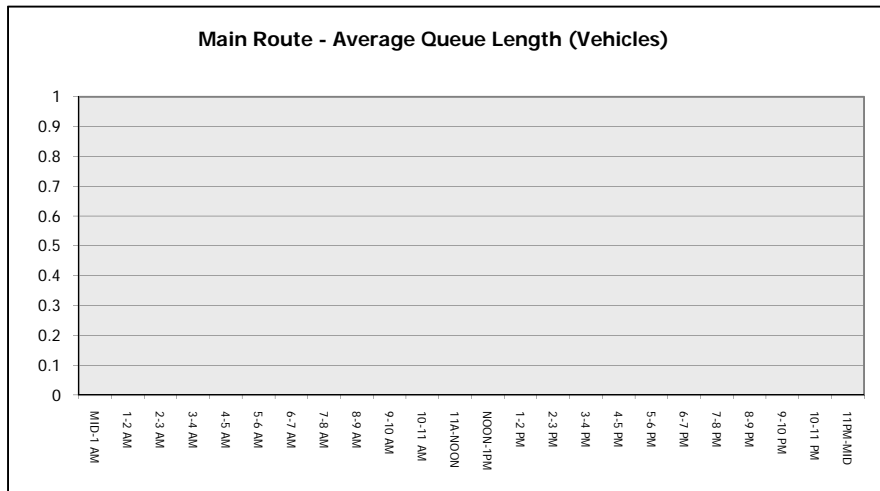
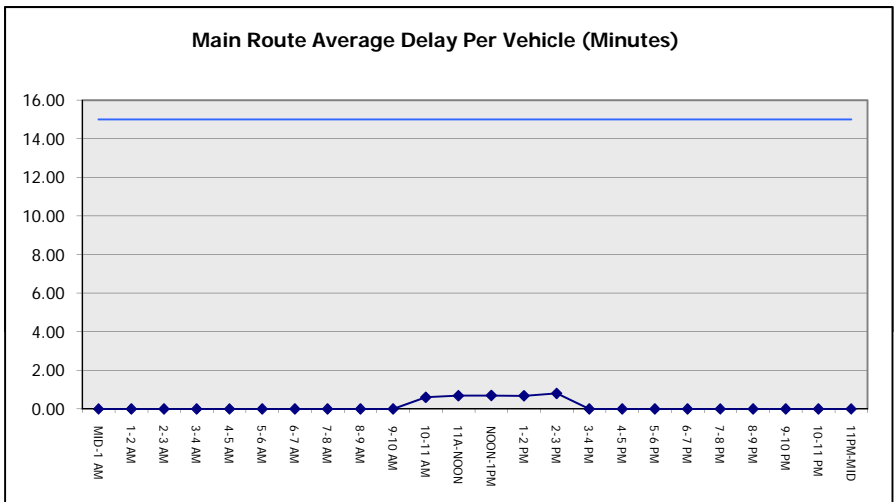
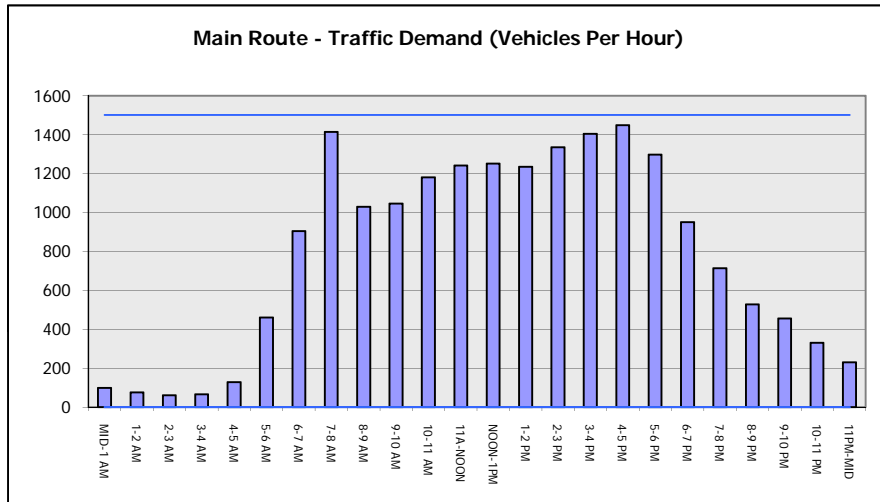
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$784
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 312 - BUS 53

AUGUST
 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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 312 - BUS 53	AUGUST
	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	138	0.0	64	0.0	OFF	138	0	64	0.00	0	66.1	66.1	66.1	31.3	31.3
1-2 AM	95	0.0	45	0.0	OFF	95	0	45	0.00	0	66.2	66.2	66.2	31.8	31.8
2-3 AM	86	0.0	40	0.0	OFF	86	0	40	0.00	0	66.2	66.2	66.2	31.9	31.9
3-4 AM	84	0.0	40	0.0	OFF	84	0	40	0.00	0	66.2	66.2	66.2	31.9	31.9
4-5 AM	148	0.0	69	0.0	OFF	148	0	69	0.00	0	66.1	66.1	66.1	31.2	31.2
5-6 AM	315	0.0	146	0.0	OFF	315	0	146	0.00	0	65.8	65.8	65.8	29.2	29.2
6-7 AM	686	0.0	318	0.0	OFF	686	0	318	0.00	0	65.1	65.1	65.1	25.0	25.0
7-8 AM	990	0.0	459	0.0	OFF	990	0	459	0.00	0	64.5	64.5	64.5	21.5	21.5
8-9 AM	888	0.0	412	0.0	OFF	888	0	412	0.00	0	64.7	64.7	64.7	22.5	22.5
9-10 AM	928	0.0	430	0.0	OFF	928	0	430	0.00	0	64.6	64.6	64.6	22.1	22.1
10-11 AM	1105	0.0	512	0.0	1500	1105	0	512	0.53	0	64.3	56.0	41.3	20.4	20.4
11A-NOON	1298	0.0	602	0.0	1500	1298	0	602	0.76	0	64.0	52.7	35.6	18.8	18.8
NOON-1PM	1421	0.0	660	0.0	1499	1421	0	660	0.92	0	63.7	50.7	32.5	17.6	17.6
1-2 PM	1576	0.0	731	0.0	1499	1576	0	731	1.87	25	63.5	41.7	30.8	16.3	16.3
2-3 PM	1823	0.0	845	0.0	1500	1823	0	845+	8.54	224	63.0	18.8	30.8	14.0	14.0
3-4 PM	1971	0.0	914	0.0	OFF	1971	0	914+	0.63	39	62.7	53.4	53.4	12.7	12.7
4-5 PM	2144	0.0	993	0.0	OFF	2144	0	993+	0.00	0	62.4	62.4	62.4	11.7	11.7
5-6 PM	1886	0.0	875	0.0	OFF	1886	0	875+	0.00	0	62.8	62.8	62.8	13.4	13.4
6-7 PM	1394	0.0	646	0.0	OFF	1394	0	646	0.00	0	63.8	63.8	63.8	17.9	17.9
7-8 PM	1059	0.0	491	0.0	OFF	1059	0	491	0.00	0	64.4	64.4	64.4	20.9	20.9
8-9 PM	902	0.0	418	0.0	OFF	902	0	418	0.00	0	64.7	64.7	64.7	22.4	22.4
9-10 PM	716	0.0	332	0.0	OFF	716	0	332	0.00	0	65.1	65.1	65.1	24.6	24.6
10-11 PM	470	0.0	218	0.0	OFF	470	0	218	0.00	0	65.5	65.5	65.5	27.4	27.4
11PM-MID	308	0.0	143	0.0	OFF	308	0	143	0.00	0	65.8	65.8	65.8	29.3	29.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0136
MAIN ROUTE WITH WORKS	0.0131
DIVERSION	0.0858

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,058
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES)
 OFF-PEAK DAY CLOSURE
 DIVERSION ROUTE: STH 312 - BUS 53**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

