

USH 53: STH 29 TO USH 12 (EAU CLAIRE AND CHIPPEWA COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 312 - BUS 53	MAY
	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	80	0.0	38	0.0	OFF	80	0	38	0.00	0	66.3	66.3	66.3	32.4	32.4
1-2 AM	66	0.0	30	0.0	OFF	66	0	30	0.00	0	66.3	66.3	66.3	32.5	32.5
2-3 AM	66	0.0	30	0.0	OFF	66	0	30	0.00	0	66.3	66.3	66.3	32.5	32.5
3-4 AM	64	0.0	29	0.0	OFF	64	0	29	0.00	0	66.3	66.3	66.3	32.5	32.5
4-5 AM	130	0.0	60	0.0	OFF	130	0	60	0.00	0	66.1	66.1	66.1	32.2	32.2
5-6 AM	445	0.0	206	0.0	OFF	445	0	206	0.00	0	65.6	65.6	65.6	30.3	30.3
6-7 AM	876	0.0	406	0.0	OFF	876	0	406	0.00	0	64.8	64.8	64.8	27.8	27.8
7-8 AM	1628	0.0	755	0.0	OFF	1628	0	755	0.00	0	63.3	63.3	63.3	23.4	23.4
8-9 AM	1163	0.0	539	0.0	OFF	1163	0	539	0.00	0	64.2	64.2	64.2	26.1	26.1
9-10 AM	1027	0.0	476	0.0	OFF	1027	0	476	0.00	0	64.5	64.5	64.5	27.0	27.0
10-11 AM	1059	0.0	491	0.0	1500	1059	0	491	0.52	0	64.4	56.1	41.5	26.8	26.8
11A-NOON	1102	0.0	510	0.0	1500	1102	0	510	0.53	0	64.3	56.0	41.3	26.5	26.5
NOON-1PM	1131	0.0	525	0.0	1500	1131	0	525	0.55	0	64.3	55.7	40.8	26.3	26.3
1-2 PM	1109	0.0	514	0.0	1500	1109	0	514	0.53	0	64.3	56.0	41.3	26.5	26.5
2-3 PM	1199	0.0	556	0.0	1500	1199	0	556	0.64	0	64.1	54.4	38.5	26.0	26.0
3-4 PM	1396	0.0	647	0.0	OFF	1396	0	647	0.00	0	63.8	63.8	63.8	24.8	24.8
4-5 PM	1589	0.0	737	0.0	OFF	1589	0	737	0.00	0	63.4	63.4	63.4	23.7	23.7
5-6 PM	1448	0.0	671	0.0	OFF	1448	0	671	0.00	0	63.7	63.7	63.7	24.5	24.5
6-7 PM	1058	0.0	490	0.0	OFF	1058	0	490	0.00	0	64.4	64.4	64.4	26.8	26.8
7-8 PM	730	0.0	339	0.0	OFF	730	0	339	0.00	0	65.0	65.0	65.0	28.6	28.6
8-9 PM	521	0.0	241	0.0	OFF	521	0	241	0.00	0	65.4	65.4	65.4	29.9	29.9
9-10 PM	419	0.0	195	0.0	OFF	419	0	195	0.00	0	65.6	65.6	65.6	30.5	30.5
10-11 PM	308	0.0	143	0.0	OFF	308	0	143	0.00	0	65.8	65.8	65.8	31.1	31.1
11PM-MID	231	0.0	108	0.0	OFF	231	0	108	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	0.0721

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$625
CONGESTED HOURS PER DAY*	0

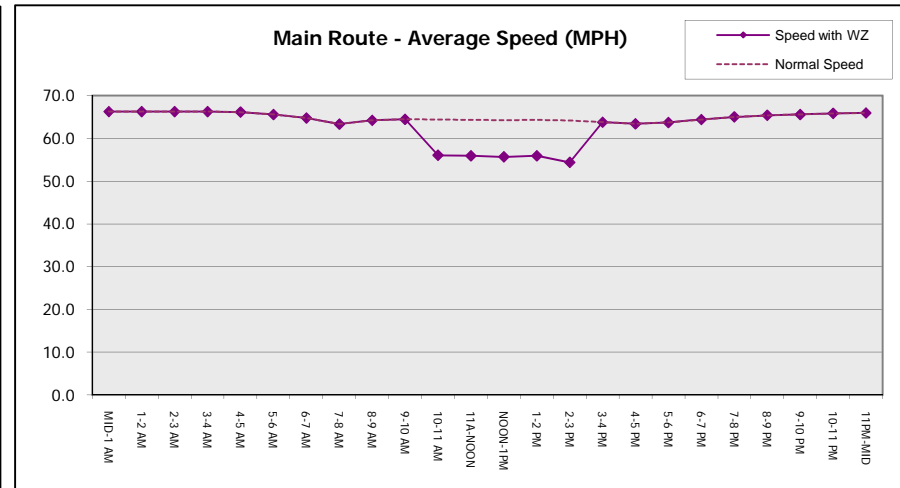
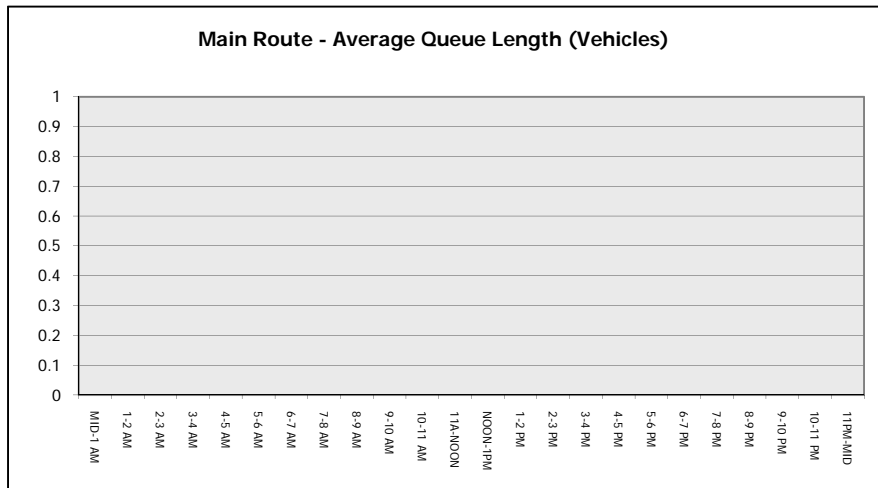
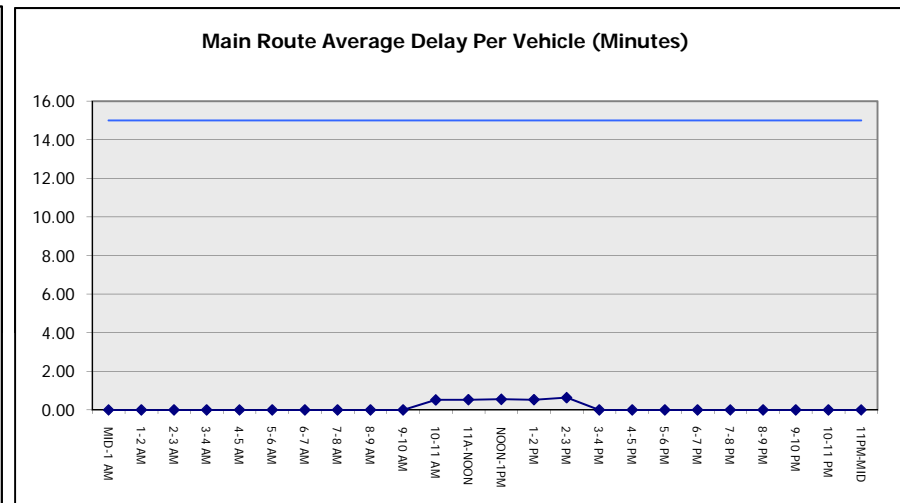
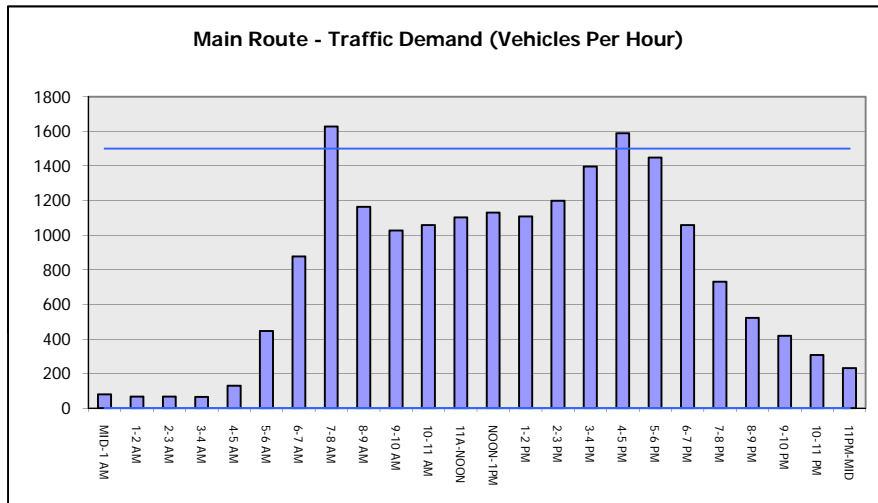
*Delays Exceeding 15 Minutes

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

MAY
 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	MAY
	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	129	0.0	60	0.0	OFF	129	0	60	0.00	0	66.1	66.1	66.1	31.4	31.4
1-2 AM	93	0.0	44	0.0	OFF	93	0	44	0.00	0	66.2	66.2	66.2	31.8	31.8
2-3 AM	84	0.0	39	0.0	OFF	84	0	39	0.00	0	66.2	66.2	66.2	31.9	31.9
3-4 AM	82	0.0	39	0.0	OFF	82	0	39	0.00	0	66.3	66.3	66.3	31.9	31.9
4-5 AM	135	0.0	63	0.0	OFF	135	0	63	0.00	0	66.1	66.1	66.1	31.4	31.4
5-6 AM	291	0.0	135	0.0	OFF	291	0	135	0.00	0	65.8	65.8	65.8	29.5	29.5
6-7 AM	708	0.0	329	0.0	OFF	708	0	329	0.00	0	65.1	65.1	65.1	24.7	24.7
7-8 AM	1134	0.0	526	0.0	OFF	1134	0	526	0.00	0	64.3	64.3	64.3	20.2	20.2
8-9 AM	922	0.0	427	0.0	OFF	922	0	427	0.00	0	64.6	64.6	64.6	22.2	22.2
9-10 AM	914	0.0	424	0.0	OFF	914	0	424	0.00	0	64.7	64.7	64.7	22.2	22.2
10-11 AM	1044	0.0	484	0.0	1500	1044	0	484	0.52	0	64.5	56.1	41.5	21.0	21.0
11A-NOON	1168	0.0	542	0.0	1500	1168	0	542	0.59	0	64.2	55.0	39.5	19.9	19.9
NOON-1PM	1312	0.0	608	0.0	1500	1312	0	608	0.78	0	64.0	52.5	35.2	18.6	18.6
1-2 PM	1446	0.0	670	0.0	1499	1446	0	670	0.95	0	63.7	50.3	32.0	17.5	17.5
2-3 PM	1654	0.0	766	0.0	1499	1654	0	766	3.06	63	63.3	34.2	30.8	15.6	15.6
3-4 PM	1875	0.0	870	0.0	OFF	1875	0	870+	0.10	5	62.9	61.2	61.2	13.5	13.5
4-5 PM	2106	0.0	976	0.0	OFF	2106	0	976+	0.00	0	62.5	62.5	62.5	11.9	11.9
5-6 PM	1925	0.0	893	0.0	OFF	1925	0	893+	0.00	0	62.8	62.8	62.8	13.0	13.0
6-7 PM	1338	0.0	621	0.0	OFF	1338	0	621	0.00	0	63.9	63.9	63.9	18.4	18.4
7-8 PM	1053	0.0	488	0.0	OFF	1053	0	488	0.00	0	64.4	64.4	64.4	20.9	20.9
8-9 PM	890	0.0	413	0.0	OFF	890	0	413	0.00	0	64.7	64.7	64.7	22.5	22.5
9-10 PM	766	0.0	355	0.0	OFF	766	0	355	0.00	0	65.0	65.0	65.0	24.0	24.0
10-11 PM	519	0.0	240	0.0	OFF	519	0	240	0.00	0	65.4	65.4	65.4	26.9	26.9
11PM-MID	326	0.0	151	0.0	OFF	326	0	151	0.00	0	65.8	65.8	65.8	29.1	29.1

"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	0.0133
MAIN ROUTE WITH WORKS	0.0128
DIVERSION	0.0838

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,782
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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

