

<b>IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 33 - USH 12</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**FRIDAY WESTBOUND 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	356	0.0	147	0.0	1500	356	0	147	0.46	0	65.7	63.4	44.1	42.6	42.6
1-2 AM	289	0.0	119	0.0	1500	289	0	119	0.45	0	65.8	63.5	44.3	43.0	43.0
2-3 AM	255	0.0	105	0.0	1500	255	0	105	0.45	0	65.9	63.6	44.5	43.2	43.2
3-4 AM	300	0.0	124	0.0	1500	300	0	124	0.45	0	65.8	63.5	44.3	43.0	43.0
4-5 AM	310	0.0	128	0.0	1500	310	0	128	0.45	0	65.8	63.5	44.2	42.9	42.9
5-6 AM	433	0.0	179	0.0	OFF	433	0	179	0.00	0	65.6	65.6	65.6	42.2	42.2
6-7 AM	639	0.0	263	0.0	OFF	639	0	263	0.00	0	65.2	65.2	65.2	41.0	41.0
7-8 AM	891	0.0	366	0.0	OFF	891	0	366	0.00	0	64.7	64.7	64.7	39.5	39.5
8-9 AM	1048	0.0	431	0.0	OFF	1048	0	431	0.00	0	64.5	64.5	64.5	38.6	38.6
9-10 AM	1213	0.0	499	0.0	OFF	1213	0	499	0.00	0	64.1	64.1	64.1	37.6	37.6
10-11 AM	1488	0.0	613	0.0	OFF	1488	0	613	0.00	0	63.6	63.6	63.6	36.0	36.0
11A-NOON	1639	0.0	675	0.0	OFF	1639	0	675	0.00	0	63.3	63.3	63.3	35.1	35.1
NOON-1PM	1540	0.0	634	0.0	OFF	1540	0	634	0.00	0	63.5	63.5	63.5	35.7	35.7
1-2 PM	1681	0.0	692	0.0	OFF	1681	0	692	0.00	0	63.3	63.3	63.3	34.8	34.8
2-3 PM	1870	0.0	770	0.0	OFF	1870	0	770	0.00	0	62.9	62.9	62.9	33.7	33.7
3-4 PM	1935	0.0	796	0.0	OFF	1935	0	796	0.00	0	62.8	62.8	62.8	33.3	33.3
4-5 PM	1878	0.0	773	0.0	OFF	1878	0	773	0.00	0	62.9	62.9	62.9	33.7	33.7
5-6 PM	1867	0.0	769	0.0	OFF	1867	0	769	0.00	0	62.9	62.9	62.9	33.8	33.8
6-7 PM	1807	0.0	744	0.0	OFF	1807	0	744	0.00	0	63.0	63.0	63.0	34.1	34.1
7-8 PM	1566	0.0	644	0.0	1499	1566	0	644	2.77	48	63.5	52.2	30.8	35.5	35.5
8-9 PM	1316	0.0	542	0.0	1499	1316	0	542	1.52	19	64.0	57.1	34.5	37.0	37.0
9-10 PM	934	0.0	385	0.0	1500	934	0	385	0.51	0	64.6	62.1	41.9	39.2	39.2
10-11 PM	688	0.0	283	0.0	1500	688	0	283	0.49	0	65.1	62.7	42.8	40.7	40.7
11PM-MID	483	0.0	199	0.0	1500	483	0	199	0.47	0	65.5	63.1	43.6	41.9	41.9

"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	0.0572
MAIN ROUTE WITH WORKS	0.0568
DIVERSION	0.0830

PIA: Personal Injury Accidents

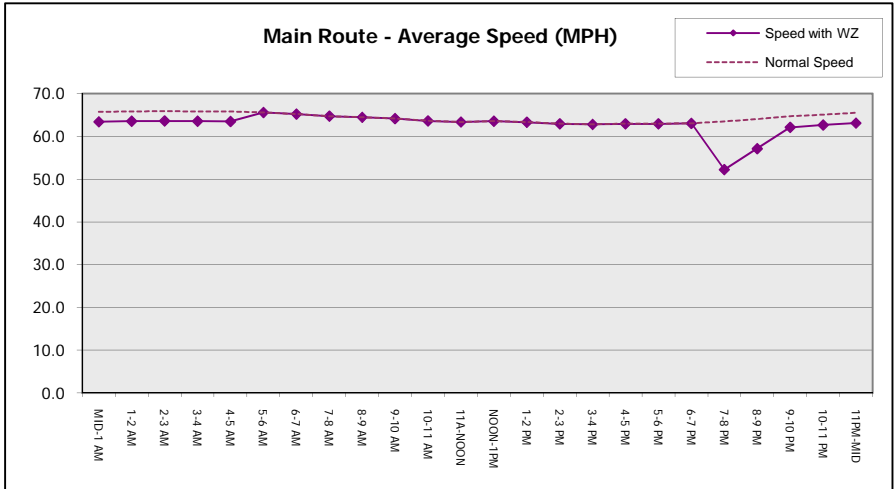
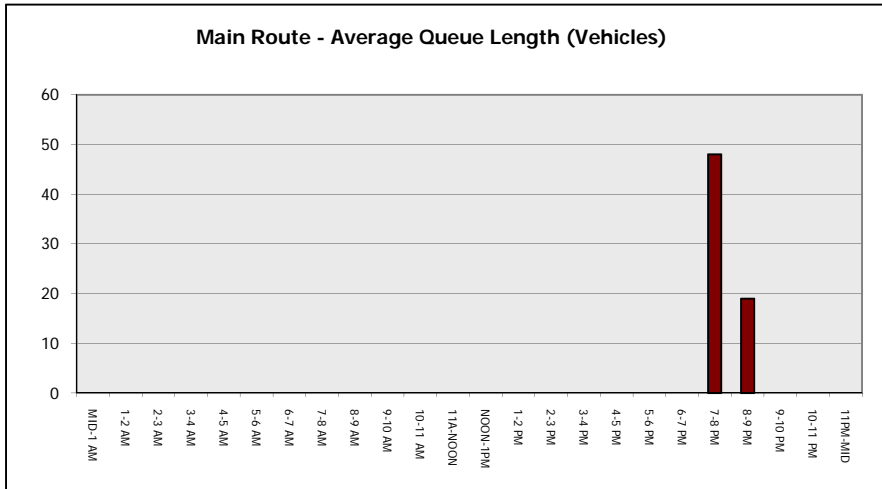
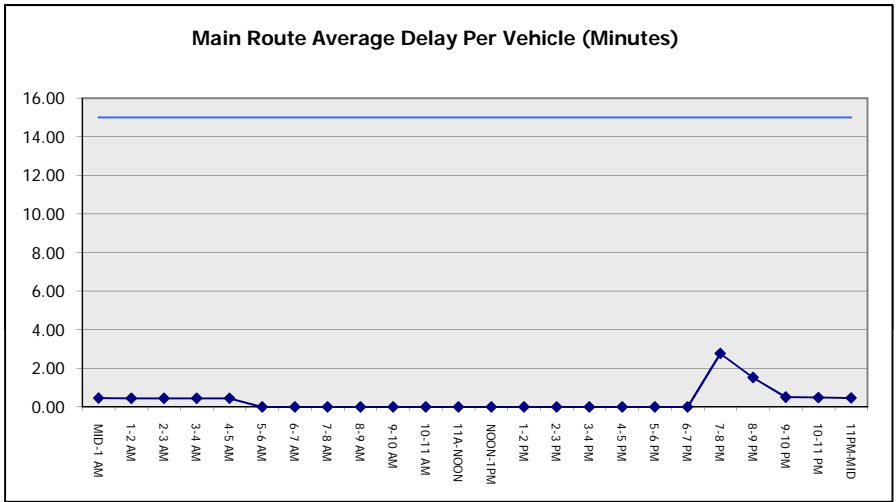
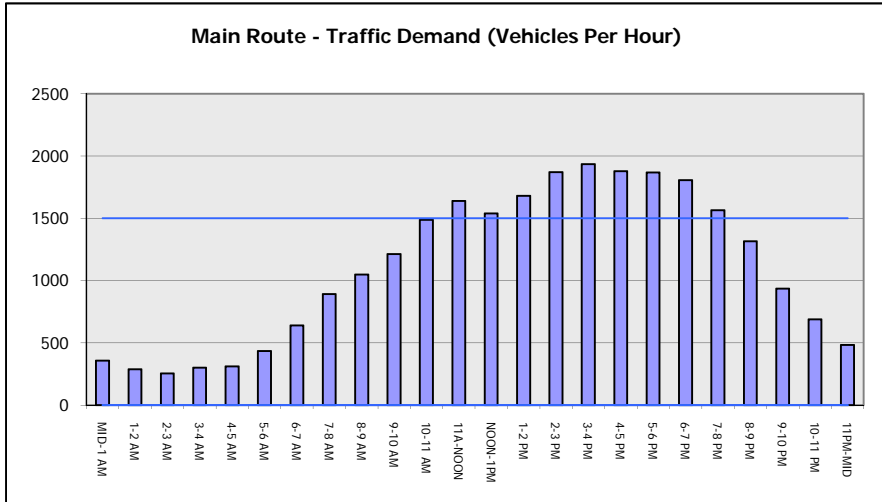
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,750
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 33 - USH 12**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 33 - USH 12</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY EASTBOUND 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	301	0.0	124	0.0	1500	301	0	124	0.45	0	65.8	63.5	44.3	43.0	43.0	
1-2 AM	220	0.0	90	0.0	1500	220	0	90	0.44	0	66.0	63.7	44.6	43.4	43.4	
2-3 AM	246	0.0	101	0.0	1500	246	0	101	0.45	0	66.0	63.7	44.5	43.3	43.3	
3-4 AM	201	0.0	83	0.0	1500	201	0	83	0.44	0	66.0	63.7	44.6	43.5	43.5	
4-5 AM	214	0.0	88	0.0	1500	214	0	88	0.44	0	66.0	63.7	44.6	43.5	43.5	
5-6 AM	269	0.0	111	0.0	OFF	269	0	111	0.00	0	65.9	65.9	65.9	43.2	43.2	
6-7 AM	442	0.0	183	0.0	OFF	442	0	183	0.00	0	65.6	65.6	65.6	42.1	42.1	
7-8 AM	621	0.0	256	0.0	OFF	621	0	256	0.00	0	65.2	65.2	65.2	41.0	41.0	
8-9 AM	771	0.0	318	0.0	OFF	771	0	318	0.00	0	65.0	65.0	65.0	40.2	40.2	
9-10 AM	1030	0.0	424	0.0	OFF	1030	0	424	0.00	0	64.5	64.5	64.5	38.7	38.7	
10-11 AM	1080	0.0	444	0.0	OFF	1080	0	444	0.00	0	64.4	64.4	64.4	38.4	38.4	
11A-NOON	1300	0.0	535	0.0	OFF	1300	0	535	0.00	0	64.0	64.0	64.0	37.1	37.1	
NOON-1PM	1437	0.0	592	0.0	OFF	1437	0	592	0.00	0	63.7	63.7	63.7	36.3	36.3	
1-2 PM	1607	0.0	662	0.0	OFF	1607	0	662	0.00	0	63.4	63.4	63.4	35.3	35.3	
2-3 PM	1768	0.0	729	0.0	OFF	1768	0	729	0.00	0	63.1	63.1	63.1	34.3	34.3	
3-4 PM	1852	0.0	763	0.0	OFF	1852	0	763	0.00	0	62.9	62.9	62.9	33.8	33.8	
4-5 PM	1899	0.0	782	0.0	OFF	1899	0	782	0.00	0	62.8	62.8	62.8	33.6	33.6	
5-6 PM	1754	0.0	722	0.0	OFF	1754	0	722	0.00	0	63.1	63.1	63.1	34.4	34.4	
6-7 PM	1576	0.0	648	0.0	OFF	1576	0	648	0.00	0	63.5	63.5	63.5	35.5	35.5	
7-8 PM	1367	0.0	563	0.0	1500	1367	0	563	0.85	0	63.8	59.9	33.8	36.7	36.7	
8-9 PM	1222	0.0	503	0.0	1500	1222	0	503	0.66	0	64.1	60.9	37.8	37.6	37.6	
9-10 PM	859	0.0	354	0.0	1500	859	0	354	0.51	0	64.8	62.3	42.2	39.7	39.7	
10-11 PM	585	0.0	241	0.0	1500	585	0	241	0.48	0	65.3	62.9	43.2	41.3	41.3	
11PM-MID	363	0.0	150	0.0	1500	363	0	150	0.46	0	65.7	63.3	44.0	42.6	42.6	

"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	0.0498
MAIN ROUTE WITH WORKS	0.0494
DIVERSION	0.0722

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$734
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 33 - USH 12**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

