

<b>IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 33 - USH 12</b>	<b>AUGUST</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	377	0.0	155	0.0	1500	377	0	155	0.46	0	65.7	63.3	44.0	42.5	42.5
1-2 AM	334	0.0	137	0.0	1500	334	0	137	0.45	0	65.8	63.5	44.2	42.8	42.8
2-3 AM	340	0.0	140	0.0	1500	340	0	140	0.46	0	65.8	63.4	44.2	42.7	42.7
3-4 AM	329	0.0	135	0.0	1500	329	0	135	0.45	0	65.8	63.5	44.2	42.8	42.8
4-5 AM	336	0.0	138	0.0	1500	336	0	138	0.46	0	65.8	63.4	44.2	42.7	42.7
5-6 AM	442	0.0	182	0.0	1500	442	0	182	0.47	0	65.6	63.2	43.7	42.1	42.1
6-7 AM	627	0.0	259	0.0	1500	627	0	259	0.48	0	65.2	62.8	43.0	41.0	41.0
7-8 AM	890	0.0	366	0.0	1500	890	0	366	0.51	0	64.7	62.2	42.0	39.5	39.5
8-9 AM	1214	0.0	500	0.0	1499	1214	0	500	0.65	0	64.1	61.0	38.1	37.6	37.6
9-10 AM	1519	0.0	625	0.0	1499	1519	0	625	1.39	11	63.5	57.4	31.4	35.8	35.8
10-11 AM	1790	0.0	737	0.0	1500	1790	0	737	7.20	178	63.0	40.5	30.8	34.2	34.2
11A-NOON	1879	0.0	773	0.0	1500	1861	18	791	19.70	518	62.9	25.0	30.8	33.7	33.4
NOON-1PM	1943	0.0	800	0.0	1499	1651	292	1092	29.57	775	62.8	19.2	30.8	33.3	29.2
1-2 PM	2173	0.0	895	0.0	1499	1698	475	1370+	36.17	956	62.3	16.6	30.8	32.0	25.2
2-3 PM	2080	0.0	856	0.0	1499	1474	606	1462+	38.92	1028	62.5	15.7	30.8	32.5	23.9
3-4 PM	2227	0.0	917	0.0	1499	1619	608	1525+	40.89	1083	62.2	15.1	30.8	31.7	23.0
4-5 PM	2180	0.0	898	0.0	1499	1488	692	1590+	43.17	1143	62.3	14.5	30.8	31.9	22.0
5-6 PM	1970	0.0	812	0.0	1499	1316	654	1466+	39.09	1033	62.7	15.6	30.8	33.2	23.8
6-7 PM	1923	0.0	791	0.0	1499	1417	505	1297+	34.32	903	62.8	17.3	30.8	33.4	26.2
7-8 PM	1787	0.0	736	0.0	1499	1373	414	1149	30.86	809	63.0	18.6	30.8	34.2	28.3
8-9 PM	1361	0.0	560	0.0	1499	1222	139	699	22.66	588	63.8	23.0	30.8	36.8	34.8
9-10 PM	1010	0.0	416	0.0	1499	1010	0	416	7.97	229	64.5	39.6	36.1	38.8	38.8
10-11 PM	804	0.0	331	0.0	1500	804	0	331	0.50	0	64.9	62.4	42.4	40.0	40.0
11PM-MID	539	0.0	222	0.0	1500	539	0	222	0.47	0	65.4	63.0	43.3	41.5	41.5

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0651
MAIN ROUTE WITH WORKS	0.0539
DIVERSION	0.1280

PIA: Personal Injury Accidents

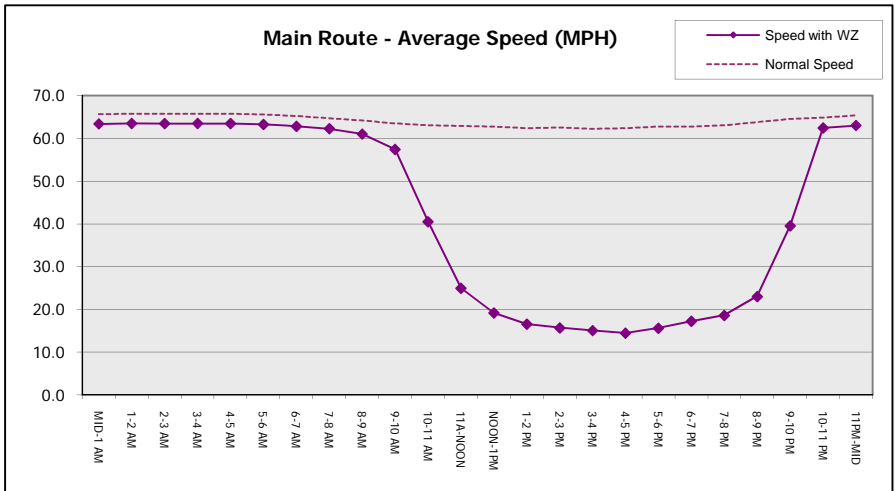
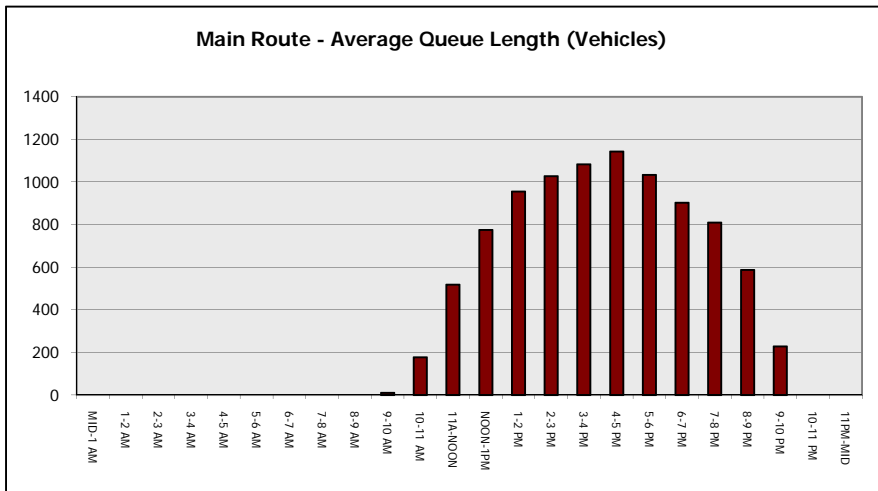
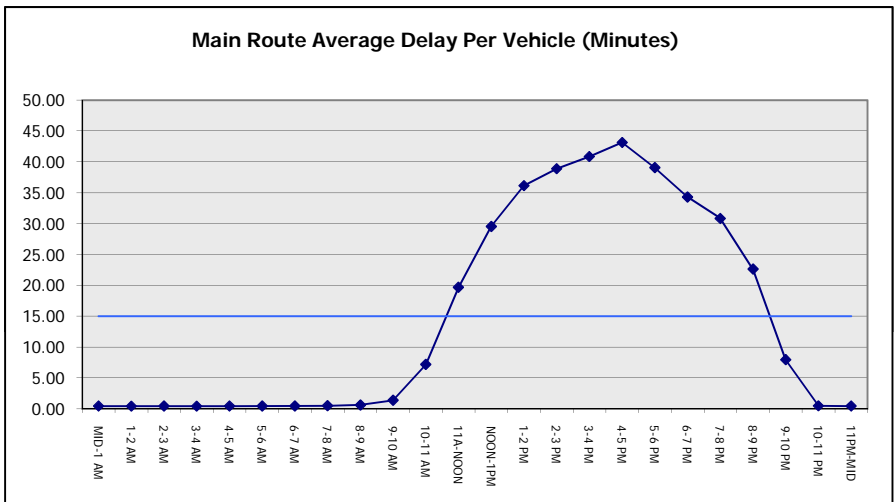
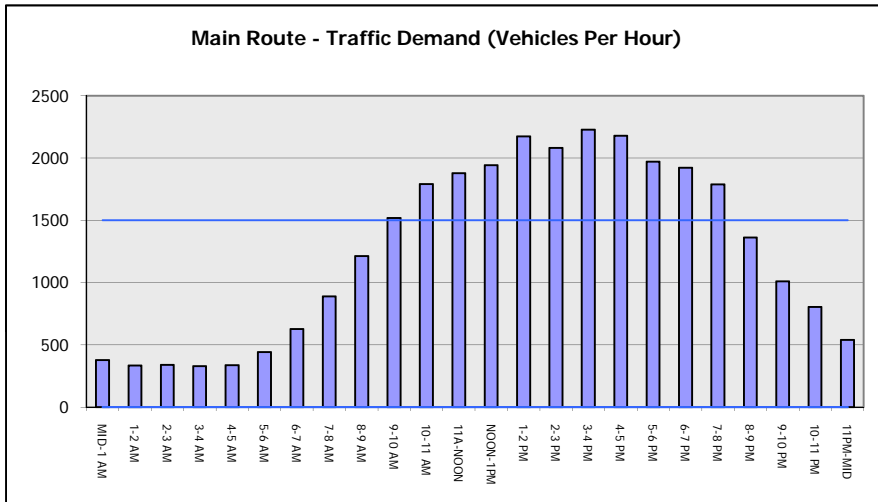
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$186,480
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding 15 Minutes

**IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 33 - USH 12**

**AUGUST**  
 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>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 33 - USH 12</b>	<b>AUGUST</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	340	0.0	140	0.0	1500	340	0	140	0.46	0	65.8	63.4	44.2	42.7	42.7
1-2 AM	280	0.0	116	0.0	1500	280	0	116	0.45	0	65.9	63.5	44.3	43.0	43.0
2-3 AM	247	0.0	101	0.0	1500	247	0	101	0.45	0	66.0	63.7	44.5	43.3	43.3
3-4 AM	213	0.0	87	0.0	1500	213	0	87	0.44	0	66.0	63.7	44.6	43.5	43.5
4-5 AM	219	0.0	90	0.0	1500	219	0	90	0.44	0	66.0	63.7	44.6	43.4	43.4
5-6 AM	292	0.0	121	0.0	1500	292	0	121	0.45	0	65.8	63.5	44.3	43.0	43.0
6-7 AM	414	0.0	170	0.0	1500	414	0	170	0.46	0	65.6	63.3	43.8	42.3	42.3
7-8 AM	648	0.0	267	0.0	1500	648	0	267	0.49	0	65.2	62.7	43.0	40.9	40.9
8-9 AM	884	0.0	364	0.0	1500	884	0	364	0.51	0	64.7	62.2	42.1	39.5	39.5
9-10 AM	1209	0.0	498	0.0	1500	1209	0	498	0.65	0	64.1	61.0	38.1	37.6	37.6
10-11 AM	1255	0.0	516	0.0	1499	1255	0	516	0.71	0	64.0	60.7	36.8	37.4	37.4
11A-NOON	1470	0.0	606	0.0	1499	1470	0	606	1.10	3	63.7	58.6	31.8	36.1	36.1
NOON-1PM	1741	0.0	717	0.0	1500	1741	0	717	4.85	112	63.2	45.9	30.8	34.5	34.5
1-2 PM	2212	0.0	911	0.0	1500	2150	62	973	21.33	588	62.3	23.7	30.8	31.7	30.9
2-3 PM	2180	0.0	898	0.0	1500	1657	524	1422+	37.66	996	62.3	16.1	30.8	31.9	24.5
3-4 PM	2232	0.0	919	0.0	1500	1591	641	1560+	42.09	1115	62.2	14.8	30.8	31.6	22.5
4-5 PM	2158	0.0	889	0.0	1500	1457	701	1589+	43.16	1143	62.3	14.5	30.8	32.0	22.0
5-6 PM	1922	0.0	791	0.0	1500	1282	639	1431+	38.03	1005	62.8	16.0	30.8	33.4	24.3
6-7 PM	1716	0.0	706	0.0	1500	1302	414	1120	30.25	793	63.2	18.9	30.8	34.7	28.8
7-8 PM	1469	0.0	605	0.0	1499	1336	133	737	23.43	606	63.7	22.5	30.8	36.1	34.2
8-9 PM	1270	0.0	524	0.0	1499	1270	0	524	16.93	432	64.0	27.5	30.8	37.3	37.3
9-10 PM	968	0.0	399	0.0	1499	968	0	399	3.51	98	64.6	50.5	38.9	39.1	39.1
10-11 PM	657	0.0	271	0.0	1500	657	0	271	0.49	0	65.1	62.7	42.9	40.9	40.9
11PM-MID	457	0.0	188	0.0	1500	457	0	188	0.47	0	65.5	63.2	43.7	42.0	42.0

+ 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	0.0573
MAIN ROUTE WITH WORKS	0.0490
DIVERSION	0.1069

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$138,199
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: STH 33 - USH 12**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

