

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	OCTOBER
	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	324	0.0	134	0.0	1500	324	0	134	0.45	0	65.8	63.5	44.2	42.8	42.8
1-2 AM	311	0.0	128	0.0	1500	311	0	128	0.45	0	65.8	63.5	44.2	42.9	42.9
2-3 AM	278	0.0	115	0.0	1500	278	0	115	0.45	0	65.9	63.6	44.4	43.1	43.1
3-4 AM	286	0.0	118	0.0	1500	286	0	118	0.45	0	65.8	63.5	44.3	43.0	43.0
4-5 AM	316	0.0	130	0.0	1500	316	0	130	0.45	0	65.8	63.5	44.2	42.8	42.8
5-6 AM	409	0.0	168	0.0	1500	409	0	168	0.46	0	65.6	63.3	43.8	42.3	42.3
6-7 AM	586	0.0	241	0.0	1500	586	0	241	0.48	0	65.3	62.9	43.2	41.3	41.3
7-8 AM	822	0.0	338	0.0	1500	822	0	338	0.50	0	64.8	62.3	42.3	39.9	39.9
8-9 AM	1012	0.0	416	0.0	1500	1012	0	416	0.52	0	64.5	62.0	41.6	38.8	38.8
9-10 AM	1217	0.0	501	0.0	1500	1217	0	501	0.66	0	64.1	61.0	37.9	37.6	37.6
10-11 AM	1453	0.0	598	0.0	1499	1453	0	598	0.96	0	63.7	59.2	31.8	36.2	36.2
11A-NOON	1555	0.0	640	0.0	1499	1555	0	640	1.77	20	63.5	55.8	30.8	35.6	35.6
NOON-1PM	1674	0.0	689	0.0	1500	1674	0	689	5.67	130	63.3	44.0	30.8	34.9	34.9
1-2 PM	1936	0.0	797	0.0	1500	1936	0	797	16.45	437	62.8	27.7	30.8	33.3	33.3
2-3 PM	2004	0.0	825	0.0	1499	1707	296	1121	30.17	793	62.7	18.9	30.8	33.0	28.8
3-4 PM	1920	0.0	790	0.0	1499	1476	444	1234+	32.76	860	62.8	17.8	30.8	33.5	27.1
4-5 PM	1955	0.0	805	0.0	1499	1522	433	1238+	32.84	862	62.7	17.8	30.8	33.2	27.1
5-6 PM	1896	0.0	780	0.0	1499	1456	440	1220+	32.44	851	62.8	17.9	30.8	33.6	27.3
6-7 PM	1786	0.0	736	0.0	1499	1405	381	1117	30.15	789	63.0	18.9	30.8	34.2	28.8
7-8 PM	1423	0.0	586	0.0	1499	1268	156	742	23.43	608	63.7	22.5	30.8	36.3	34.2
8-9 PM	1135	0.0	468	0.0	1499	1135	0	468	12.83	335	64.3	32.0	32.4	38.1	38.1
9-10 PM	822	0.0	338	0.0	1500	822	0	338	0.97	14	64.8	60.2	42.2	39.9	39.9
10-11 PM	558	0.0	229	0.0	1500	558	0	229	0.48	0	65.3	63.0	43.3	41.4	41.4
11PM-MID	411	0.0	169	0.0	1500	411	0	169	0.46	0	65.6	63.3	43.8	42.3	42.3

+ 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	0.0565
MAIN ROUTE WITH WORKS	0.0502
DIVERSION	0.0983

PIA: Personal Injury Accidents

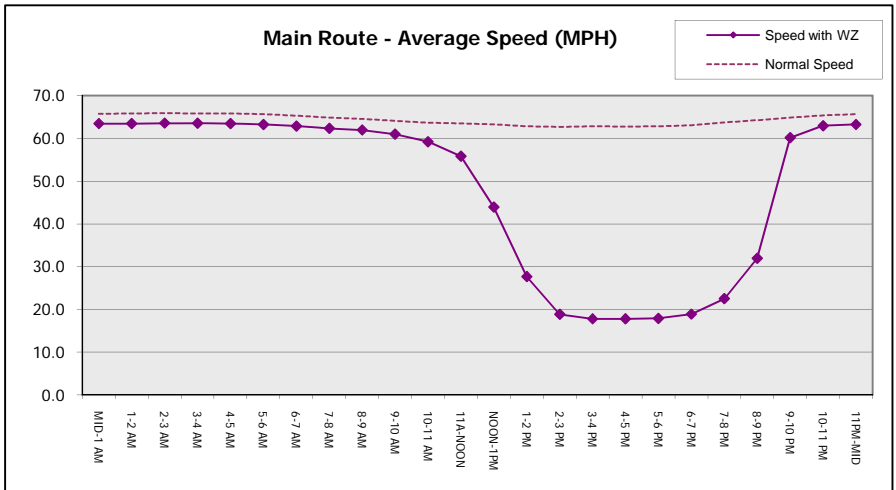
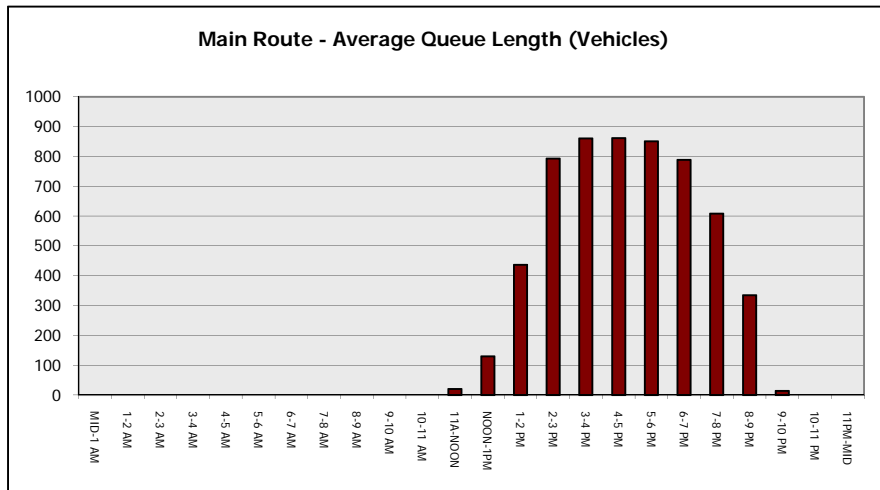
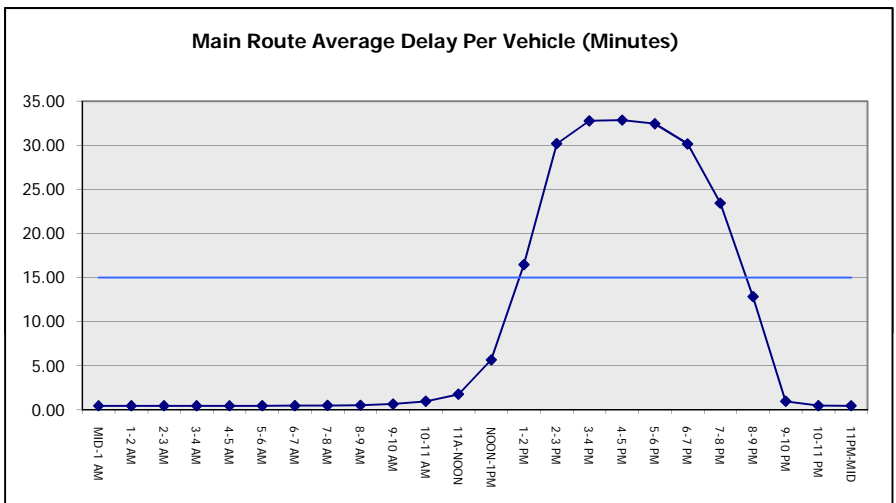
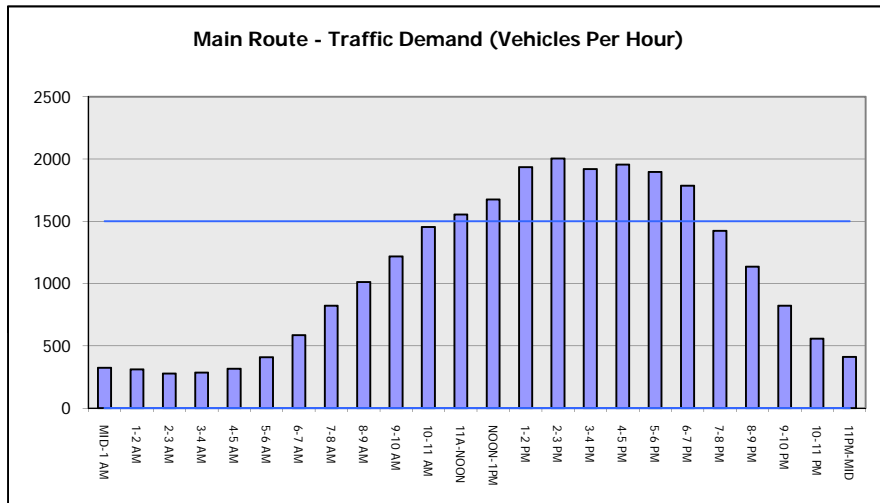
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$102,264
CONGESTED HOURS PER DAY*	7

*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**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



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	OCTOBER
	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			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		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	288	0.0	119	0.0	1500	288	0	119	0.45	0	65.8	63.5	44.3	43.0	43.0
1-2 AM	253	0.0	104	0.0	1500	253	0	104	0.45	0	65.9	63.6	44.5	43.2	43.2
2-3 AM	238	0.0	98	0.0	1500	238	0	98	0.45	0	66.0	63.7	44.5	43.3	43.3
3-4 AM	204	0.0	84	0.0	1500	204	0	84	0.44	0	66.0	63.7	44.6	43.5	43.5
4-5 AM	217	0.0	89	0.0	1500	217	0	89	0.44	0	66.0	63.7	44.6	43.5	43.5
5-6 AM	268	0.0	111	0.0	1500	268	0	111	0.45	0	65.9	63.6	44.4	43.2	43.2
6-7 AM	395	0.0	162	0.0	1500	395	0	162	0.46	0	65.6	63.3	43.9	42.4	42.4
7-8 AM	613	0.0	253	0.0	1500	613	0	253	0.48	0	65.3	62.8	43.1	41.1	41.1
8-9 AM	755	0.0	310	0.0	1500	755	0	310	0.50	0	65.0	62.5	42.5	40.3	40.3
9-10 AM	992	0.0	409	0.0	1500	992	0	409	0.52	0	64.5	62.0	41.7	38.9	38.9
10-11 AM	1245	0.0	512	0.0	1500	1245	0	512	0.69	0	64.1	60.7	37.1	37.4	37.4
11A-NOON	1446	0.0	596	0.0	1499	1446	0	596	0.95	0	63.7	59.3	32.0	36.2	36.2
NOON-1PM	1615	0.0	666	0.0	1499	1615	0	666	2.69	47	63.4	52.4	30.8	35.2	35.2
1-2 PM	1764	0.0	726	0.0	1500	1764	0	726	9.48	238	63.1	36.4	30.8	34.3	34.3
2-3 PM	1910	0.0	786	0.0	1500	1869	41	828	21.65	571	62.8	23.5	30.8	33.5	32.9
3-4 PM	2006	0.0	826	0.0	1498	1644	360	1185	31.64	830	62.7	18.3	30.7	33.0	27.8
4-5 PM	2039	0.0	840	0.0	1499	1545	494	1334+	35.25	928	62.6	16.9	30.8	32.7	25.7
5-6 PM	1830	0.0	754	0.0	1499	1344	486	1240+	32.94	865	63.0	17.8	30.8	34.0	27.1
6-7 PM	1611	0.0	664	0.0	1499	1331	280	943	26.82	699	63.4	20.6	30.8	35.3	31.3
7-8 PM	1328	0.0	547	0.0	1499	1292	36	583	20.13	517	63.9	24.8	30.8	36.9	36.4
8-9 PM	1067	0.0	439	0.0	1499	1067	0	439	7.48	208	64.4	40.5	35.5	38.4	38.4
9-10 PM	795	0.0	328	0.0	1500	795	0	328	0.50	0	64.9	62.4	42.4	40.1	40.1
10-11 PM	552	0.0	227	0.0	1500	552	0	227	0.48	0	65.3	63.0	43.3	41.5	41.5
11PM-MID	357	0.0	147	0.0	1500	357	0	147	0.46	0	65.7	63.4	44.0	42.6	42.6

+ 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	0.0515
MAIN ROUTE WITH WORKS	0.0464
DIVERSION	0.0877

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$87,094
CONGESTED HOURS PER DAY*	6

*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**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

