

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) NIGHTTIME 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	OFF	409	0	168	0.00	0	65.6	65.6	65.6	42.3	42.3
6-7 AM	586	0.0	241	0.0	OFF	586	0	241	0.00	0	65.3	65.3	65.3	41.3	41.3
7-8 AM	822	0.0	338	0.0	OFF	822	0	338	0.00	0	64.8	64.8	64.8	39.9	39.9
8-9 AM	1012	0.0	416	0.0	OFF	1012	0	416	0.00	0	64.5	64.5	64.5	38.8	38.8
9-10 AM	1217	0.0	501	0.0	OFF	1217	0	501	0.00	0	64.1	64.1	64.1	37.6	37.6
10-11 AM	1453	0.0	598	0.0	OFF	1453	0	598	0.00	0	63.7	63.7	63.7	36.2	36.2
11A-NOON	1555	0.0	640	0.0	OFF	1555	0	640	0.00	0	63.5	63.5	63.5	35.6	35.6
NOON-1PM	1674	0.0	689	0.0	OFF	1674	0	689	0.00	0	63.3	63.3	63.3	34.9	34.9
1-2 PM	1936	0.0	797	0.0	OFF	1936	0	797	0.00	0	62.8	62.8	62.8	33.3	33.3
2-3 PM	2004	0.0	825	0.0	OFF	2004	0	825	0.00	0	62.7	62.7	62.7	33.0	33.0
3-4 PM	1920	0.0	790	0.0	OFF	1920	0	790	0.00	0	62.8	62.8	62.8	33.5	33.5
4-5 PM	1955	0.0	805	0.0	OFF	1955	0	805	0.00	0	62.7	62.7	62.7	33.2	33.2
5-6 PM	1896	0.0	780	0.0	OFF	1896	0	780	0.00	0	62.8	62.8	62.8	33.6	33.6
6-7 PM	1786	0.0	736	0.0	OFF	1786	0	736	0.00	0	63.0	63.0	63.0	34.2	34.2
7-8 PM	1423	0.0	586	0.0	1499	1423	0	586	0.94	0	63.7	59.4	32.6	36.3	36.3
8-9 PM	1135	0.0	468	0.0	1500	1135	0	468	0.55	0	64.3	61.6	40.6	38.1	38.1
9-10 PM	822	0.0	338	0.0	1500	822	0	338	0.50	0	64.8	62.3	42.3	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

"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	0.0565
MAIN ROUTE WITH WORKS	0.0561
DIVERSION	0.0819

PIA: Personal Injury Accidents

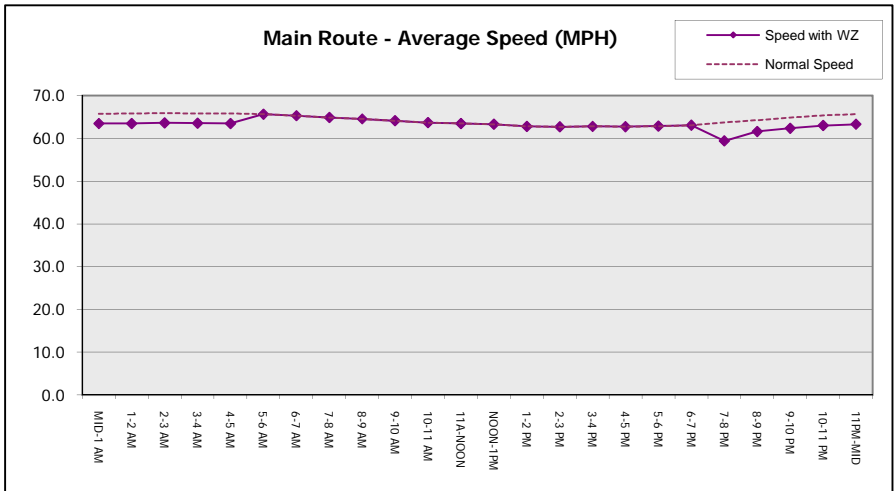
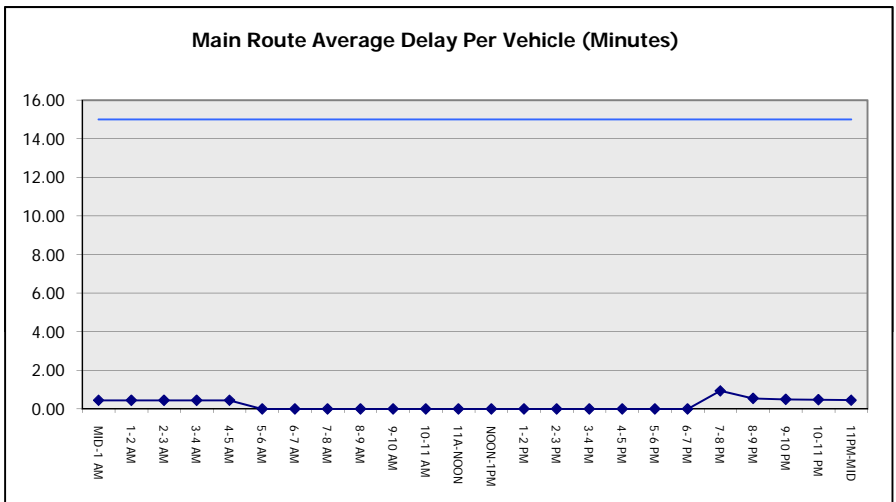
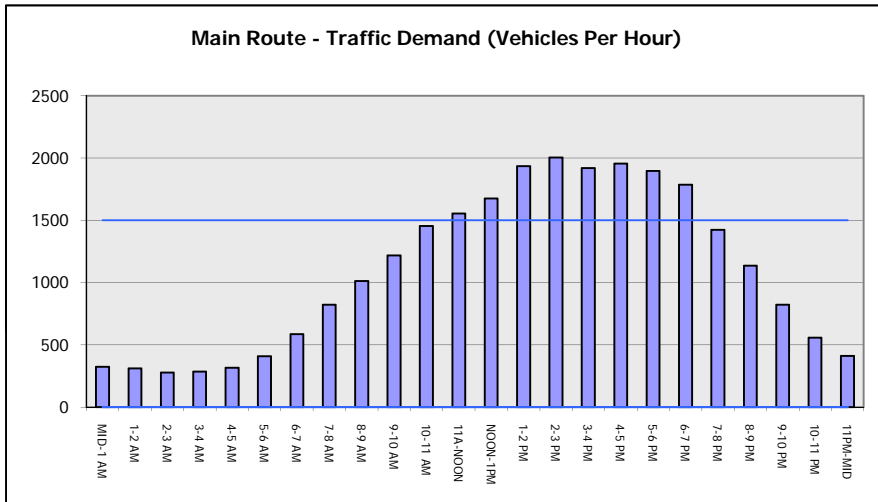
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$755
CONGESTED HOURS PER DAY*	0

*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

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) NIGHTTIME 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						
	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	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	OFF	268	0	111	0.00	0	65.9	65.9	65.9	43.2	43.2
6-7 AM	395	0.0	162	0.0	OFF	395	0	162	0.00	0	65.6	65.6	65.6	42.4	42.4
7-8 AM	613	0.0	253	0.0	OFF	613	0	253	0.00	0	65.3	65.3	65.3	41.1	41.1
8-9 AM	755	0.0	310	0.0	OFF	755	0	310	0.00	0	65.0	65.0	65.0	40.3	40.3
9-10 AM	992	0.0	409	0.0	OFF	992	0	409	0.00	0	64.5	64.5	64.5	38.9	38.9
10-11 AM	1245	0.0	512	0.0	OFF	1245	0	512	0.00	0	64.1	64.1	64.1	37.4	37.4
11A-NOON	1446	0.0	596	0.0	OFF	1446	0	596	0.00	0	63.7	63.7	63.7	36.2	36.2
NOON-1PM	1615	0.0	666	0.0	OFF	1615	0	666	0.00	0	63.4	63.4	63.4	35.2	35.2
1-2 PM	1764	0.0	726	0.0	OFF	1764	0	726	0.00	0	63.1	63.1	63.1	34.3	34.3
2-3 PM	1910	0.0	786	0.0	OFF	1910	0	786	0.00	0	62.8	62.8	62.8	33.5	33.5
3-4 PM	2006	0.0	826	0.0	OFF	2006	0	826	0.00	0	62.7	62.7	62.7	33.0	33.0
4-5 PM	2039	0.0	840	0.0	OFF	2039	0	840	0.00	0	62.6	62.6	62.6	32.7	32.7
5-6 PM	1830	0.0	754	0.0	OFF	1830	0	754	0.00	0	63.0	63.0	63.0	34.0	34.0
6-7 PM	1611	0.0	664	0.0	OFF	1611	0	664	0.00	0	63.4	63.4	63.4	35.3	35.3
7-8 PM	1328	0.0	547	0.0	1500	1328	0	547	0.80	0	63.9	60.1	34.8	36.9	36.9
8-9 PM	1067	0.0	439	0.0	1500	1067	0	439	0.53	0	64.4	61.9	41.4	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

"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	0.0515
MAIN ROUTE WITH WORKS	0.0511
DIVERSION	0.0747

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$643
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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

