

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 33 - USH 12	MAY
	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	OFF	356	0	147	0.00	0	65.7	65.7	65.7	42.6	42.6
1-2 AM	289	0.0	119	0.0	OFF	289	0	119	0.00	0	65.8	65.8	65.8	43.0	43.0
2-3 AM	255	0.0	105	0.0	OFF	255	0	105	0.00	0	65.9	65.9	65.9	43.2	43.2
3-4 AM	300	0.0	124	0.0	OFF	300	0	124	0.00	0	65.8	65.8	65.8	43.0	43.0
4-5 AM	310	0.0	128	0.0	OFF	310	0	128	0.00	0	65.8	65.8	65.8	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	1499	1213	0	499	0.65	0	64.1	61.0	38.1	37.6	37.6
10-11 AM	1488	0.0	613	0.0	1499	1488	0	613	1.17	5	63.6	58.3	31.5	36.0	36.0
11A-NOON	1639	0.0	675	0.0	1500	1639	0	675	4.17	88	63.3	47.8	30.8	35.1	35.1
NOON-1PM	1540	0.0	634	0.0	1499	1540	0	634	7.61	178	63.5	39.9	30.8	35.7	35.7
1-2 PM	1681	0.0	692	0.0	1500	1681	0	692	11.22	279	63.3	33.8	30.8	34.8	34.8
2-3 PM	1870	0.0	770	0.0	1500	1844	26	796	21.14	555	62.9	23.9	30.8	33.7	33.3
3-4 PM	1935	0.0	796	0.0	1499	1610	325	1121	30.20	791	62.8	18.9	30.8	33.3	28.8
4-5 PM	1878	0.0	773	0.0	OFF	1878	0	773	3.39	164	62.9	49.9	49.9	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	OFF	1566	0	644	0.00	0	63.5	63.5	63.5	35.5	35.5
8-9 PM	1316	0.0	542	0.0	OFF	1316	0	542	0.00	0	64.0	64.0	64.0	37.0	37.0
9-10 PM	934	0.0	385	0.0	OFF	934	0	385	0.00	0	64.6	64.6	64.6	39.2	39.2
10-11 PM	688	0.0	283	0.0	OFF	688	0	283	0.00	0	65.1	65.1	65.1	40.7	40.7
11PM-MID	483	0.0	199	0.0	OFF	483	0	199	0.00	0	65.5	65.5	65.5	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	0.0557
DIVERSION	0.0857

PIA: Personal Injury Accidents

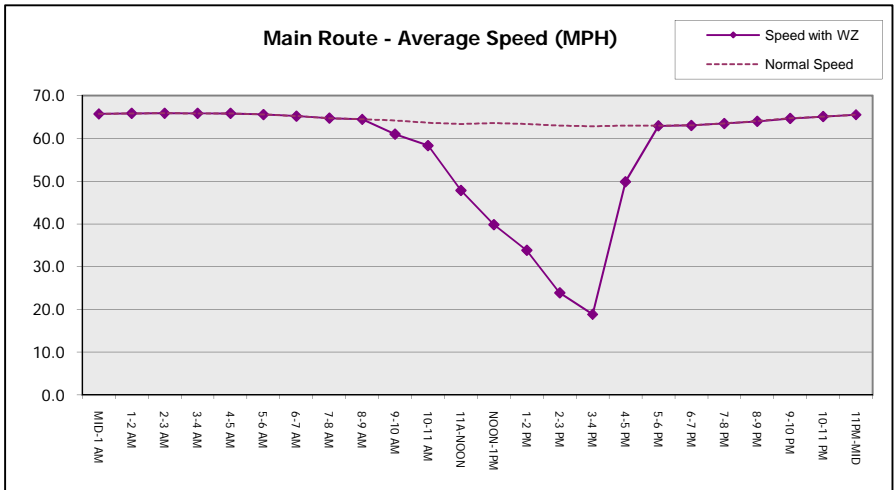
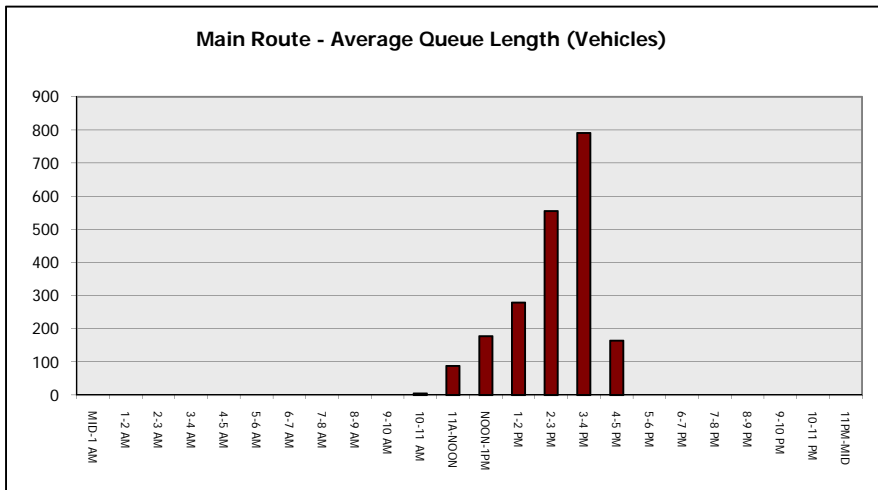
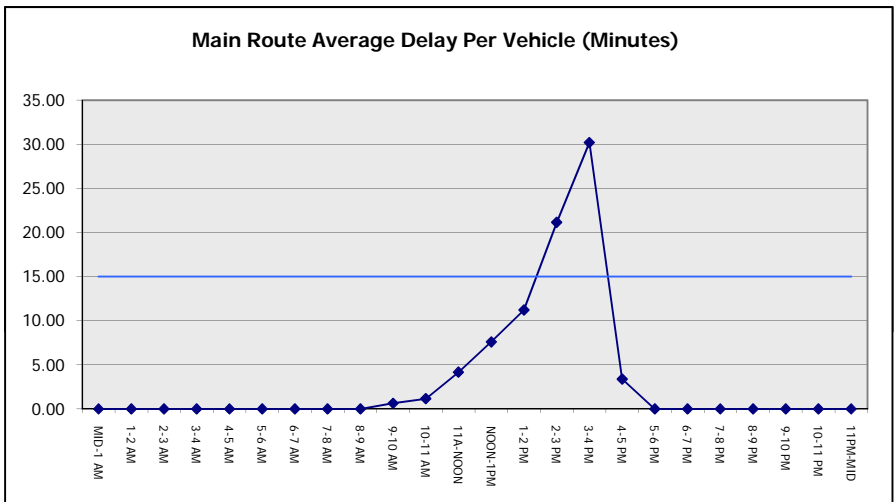
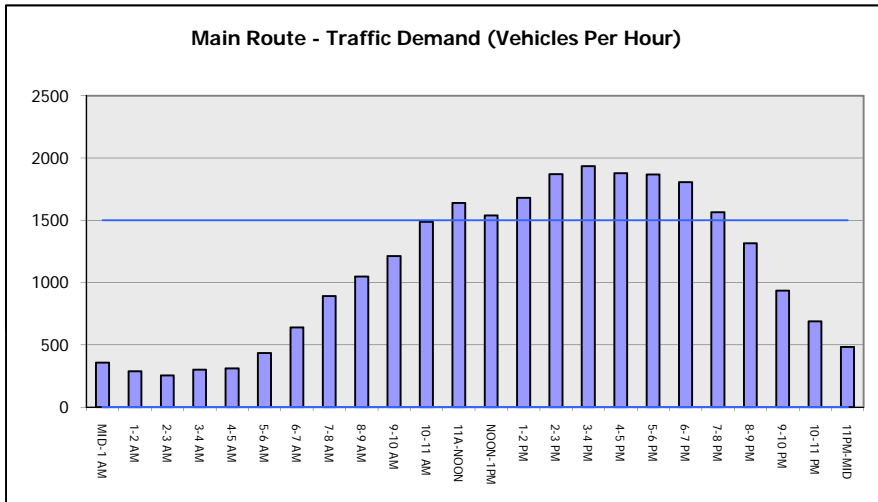
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$25,097
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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

MAY
 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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 33 - USH 12	MAY
	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	OFF	301	0	124	0.00	0	65.8	65.8	65.8	43.0	43.0
1-2 AM	220	0.0	90	0.0	OFF	220	0	90	0.00	0	66.0	66.0	66.0	43.4	43.4
2-3 AM	246	0.0	101	0.0	OFF	246	0	101	0.00	0	66.0	66.0	66.0	43.3	43.3
3-4 AM	201	0.0	83	0.0	OFF	201	0	83	0.00	0	66.0	66.0	66.0	43.5	43.5
4-5 AM	214	0.0	88	0.0	OFF	214	0	88	0.00	0	66.0	66.0	66.0	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	1500	1030	0	424	0.52	0	64.5	61.9	41.5	38.7	38.7
10-11 AM	1080	0.0	444	0.0	1500	1080	0	444	0.53	0	64.4	61.8	41.4	38.4	38.4
11A-NOON	1300	0.0	535	0.0	1500	1300	0	535	0.77	0	64.0	60.4	35.5	37.1	37.1
NOON-1PM	1437	0.0	592	0.0	1499	1437	0	592	0.94	0	63.7	59.4	32.2	36.3	36.3
1-2 PM	1607	0.0	662	0.0	1499	1607	0	662	2.54	43	63.4	53.0	30.8	35.3	35.3
2-3 PM	1768	0.0	729	0.0	1500	1768	0	729	9.31	233	63.1	36.7	30.8	34.3	34.3
3-4 PM	1852	0.0	763	0.0	1500	1829	22	785	20.81	545	62.9	24.2	30.8	33.8	33.5
4-5 PM	1899	0.0	782	0.0	OFF	1899	0	782	2.43	118	62.8	52.9	52.9	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	OFF	1367	0	563	0.00	0	63.8	63.8	63.8	36.7	36.7
8-9 PM	1222	0.0	503	0.0	OFF	1222	0	503	0.00	0	64.1	64.1	64.1	37.6	37.6
9-10 PM	859	0.0	354	0.0	OFF	859	0	354	0.00	0	64.8	64.8	64.8	39.7	39.7
10-11 PM	585	0.0	241	0.0	OFF	585	0	241	0.00	0	65.3	65.3	65.3	41.3	41.3
11PM-MID	363	0.0	150	0.0	OFF	363	0	150	0.00	0	65.7	65.7	65.7	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	0.0490
DIVERSION	0.0724

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,682
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

