

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	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	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	1500	433	0	179	0.46	0	65.6	63.2	43.8	42.2	42.2
6-7 AM	639	0.0	263	0.0	1500	639	0	263	0.48	0	65.2	62.8	43.0	41.0	41.0
7-8 AM	891	0.0	366	0.0	1500	891	0	366	0.51	0	64.7	62.2	42.0	39.5	39.5
8-9 AM	1048	0.0	431	0.0	1500	1048	0	431	0.52	0	64.5	61.9	41.5	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	1499	1476	402	1175	31.41	823	62.9	18.4	30.8	33.7	27.9
5-6 PM	1867	0.0	769	0.0	1499	1488	379	1148	30.80	806	62.9	18.6	30.8	33.8	28.4
6-7 PM	1807	0.0	744	0.0	1499	1448	359	1103	29.85	780	63.0	19.1	30.8	34.1	29.0
7-8 PM	1566	0.0	644	0.0	1499	1339	226	871	25.57	664	63.5	21.2	30.8	35.5	32.3
8-9 PM	1316	0.0	542	0.0	1499	1300	16	558	19.53	501	64.0	25.3	30.8	37.0	36.8
9-10 PM	934	0.0	385	0.0	1499	934	0	385	4.92	148	64.6	46.5	38.3	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

----- 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	0.0572
MAIN ROUTE WITH WORKS	0.0518
DIVERSION	0.0962

PIA: Personal Injury Accidents

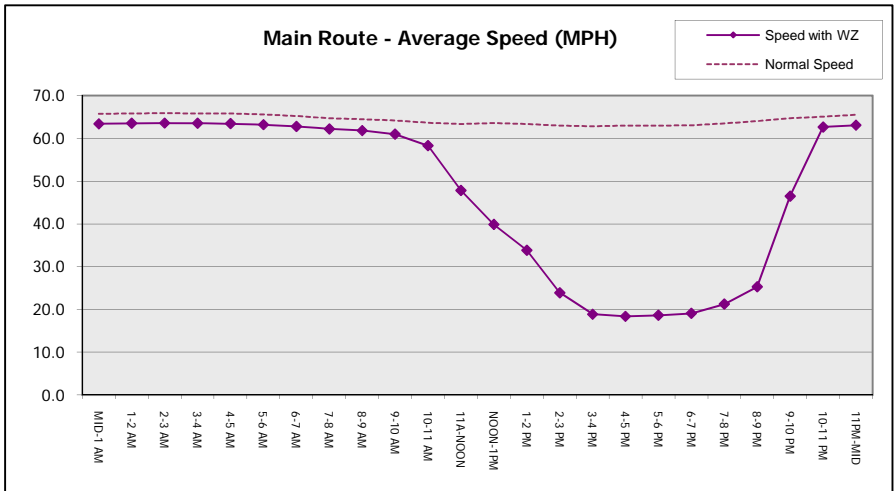
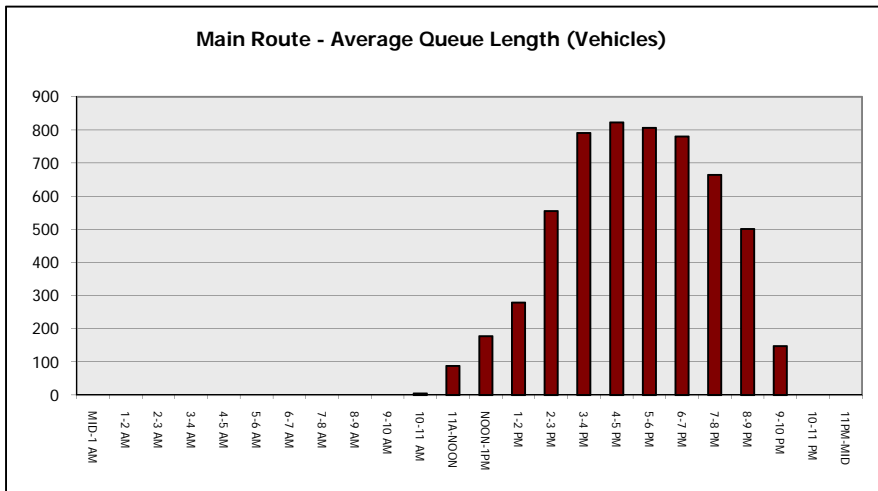
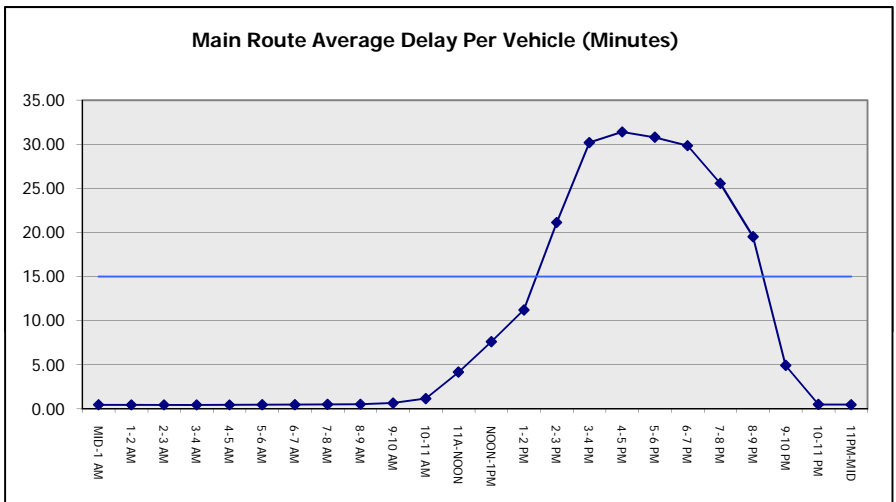
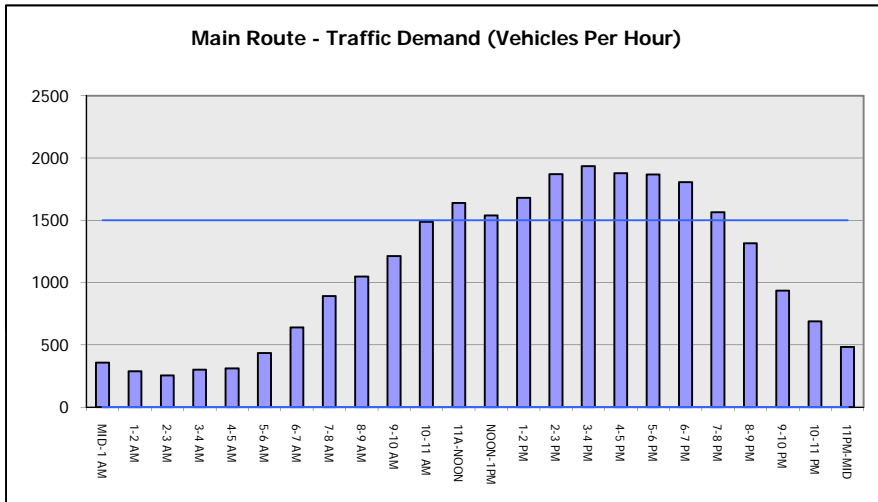
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$94,776
CONGESTED HOURS PER DAY*	7

*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

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) CONTINUOUS (24 HOUR) 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 DIVERTING	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	1500	269	0	111	0.45	0	65.9	63.6	44.4	43.2	43.2
6-7 AM	442	0.0	183	0.0	1500	442	0	183	0.47	0	65.6	63.2	43.7	42.1	42.1
7-8 AM	621	0.0	256	0.0	1500	621	0	256	0.48	0	65.2	62.8	43.0	41.0	41.0
8-9 AM	771	0.0	318	0.0	1500	771	0	318	0.50	0	65.0	62.5	42.5	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	1499	1599	301	1083	29.41	770	62.8	19.3	30.8	33.6	29.3
5-6 PM	1754	0.0	722	0.0	1499	1409	345	1068	29.15	762	63.1	19.4	30.8	34.4	29.5
6-7 PM	1576	0.0	648	0.0	1499	1381	195	843	25.10	651	63.5	21.5	30.8	35.5	32.7
7-8 PM	1367	0.0	563	0.0	1499	1346	21	584	20.30	521	63.8	24.7	30.8	36.7	36.4
8-9 PM	1222	0.0	503	0.0	1499	1222	0	503	12.40	315	64.1	32.5	31.4	37.6	37.6
9-10 PM	859	0.0	354	0.0	1500	859	0	354	1.22	23	64.8	59.1	42.0	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

----- 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	0.0464
DIVERSION	0.0790

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$63,364
CONGESTED HOURS PER DAY*	5

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

