

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	208	0.0	85	0.0	1500	208	0	85	0.44	0	66.0	63.7	44.6	43.5	43.5
1-2 AM	151	0.0	62	0.0	1500	151	0	62	0.44	0	66.1	63.8	44.9	43.8	43.8
2-3 AM	136	0.0	56	0.0	1500	136	0	56	0.44	0	66.1	63.9	45.0	43.9	43.9
3-4 AM	130	0.0	54	0.0	1500	130	0	54	0.44	0	66.1	63.9	45.0	44.0	44.0
4-5 AM	132	0.0	55	0.0	1500	132	0	55	0.44	0	66.1	63.9	45.0	43.9	43.9
5-6 AM	157	0.0	65	0.0	1500	157	0	65	0.44	0	66.1	63.8	44.8	43.8	43.8
6-7 AM	246	0.0	100	0.0	1500	246	0	100	0.45	0	66.0	63.7	44.5	43.3	43.3
7-8 AM	420	0.0	172	0.0	1500	420	0	172	0.46	0	65.6	63.2	43.8	42.2	42.2
8-9 AM	711	0.0	293	0.0	1500	711	0	293	0.49	0	65.1	62.6	42.7	40.6	40.6
9-10 AM	1113	0.0	459	0.0	1499	1113	0	459	0.60	0	64.3	61.4	39.6	38.2	38.2
10-11 AM	1631	0.0	672	0.0	1499	1631	0	672	2.36	39	63.3	53.5	30.8	35.1	35.1
11A-NOON	1954	0.0	805	0.0	1500	1954	0	805	12.84	343	62.7	31.5	30.8	33.2	33.2
NOON-1PM	2125	0.0	875	0.0	1499	1872	252	1127	30.25	801	62.4	18.8	30.8	32.2	28.6
1-2 PM	2247	0.0	925	0.0	1499	1685	562	1487+	39.65	1050	62.2	15.5	30.8	31.5	23.5
2-3 PM	2427	0.0	999	0.0	1499	1613	814	1814+	46.28	1231	61.7	13.7	30.8	30.5	20.9
3-4 PM	2449	0.0	1009	0.0	1499	1500	949	1958+	47.28	1260	61.4	13.5	30.8	30.4	20.5
4-5 PM	2227	0.0	917	0.0	1499	1449	778	1695+	46.98	1247	62.2	13.6	30.8	31.7	20.7
5-6 PM	1969	0.0	811	0.0	1499	1254	716	1526+	41.04	1087	62.7	15.1	30.8	33.2	23.0
6-7 PM	1724	0.0	710	0.0	1499	1248	476	1186	31.72	834	63.2	18.3	30.8	34.6	27.8
7-8 PM	1360	0.0	560	0.0	1499	1251	109	669	22.21	575	63.8	23.3	30.8	36.8	35.2
8-9 PM	1057	0.0	435	0.0	1499	1057	0	435	9.25	254	64.4	37.2	34.8	38.5	38.5
9-10 PM	794	0.0	327	0.0	1500	794	0	327	0.51	0	64.9	62.4	42.4	40.1	40.1
10-11 PM	564	0.0	232	0.0	1500	564	0	232	0.48	0	65.3	62.9	43.3	41.4	41.4
11PM-MID	387	0.0	159	0.0	1500	387	0	159	0.46	0	65.6	63.3	44.0	42.4	42.4

+ 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	0.0570
MAIN ROUTE WITH WORKS	0.0455
DIVERSION	0.1182

PIA: Personal Injury Accidents

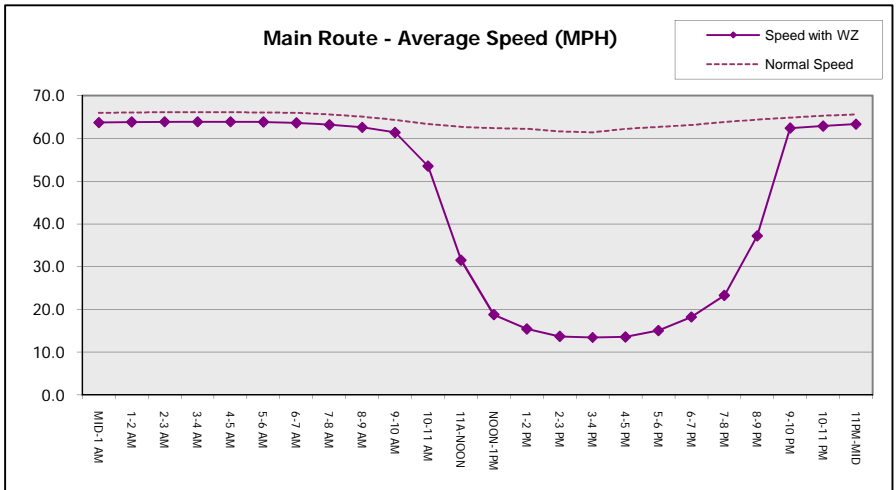
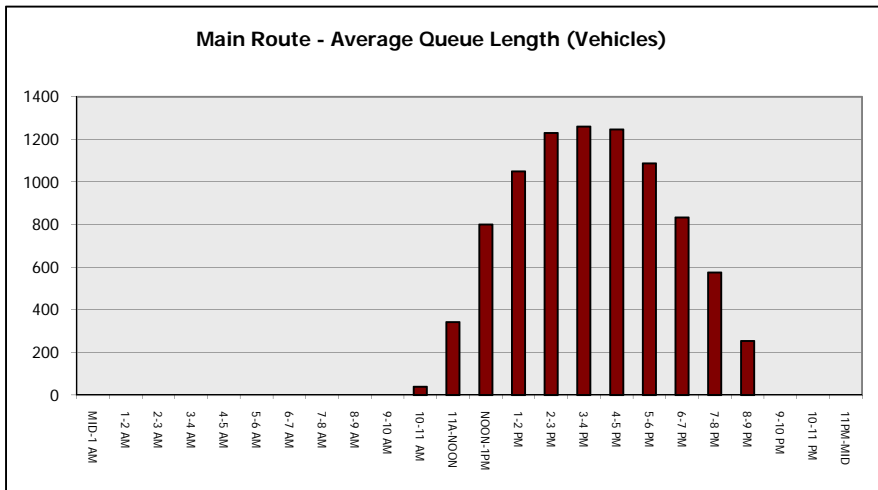
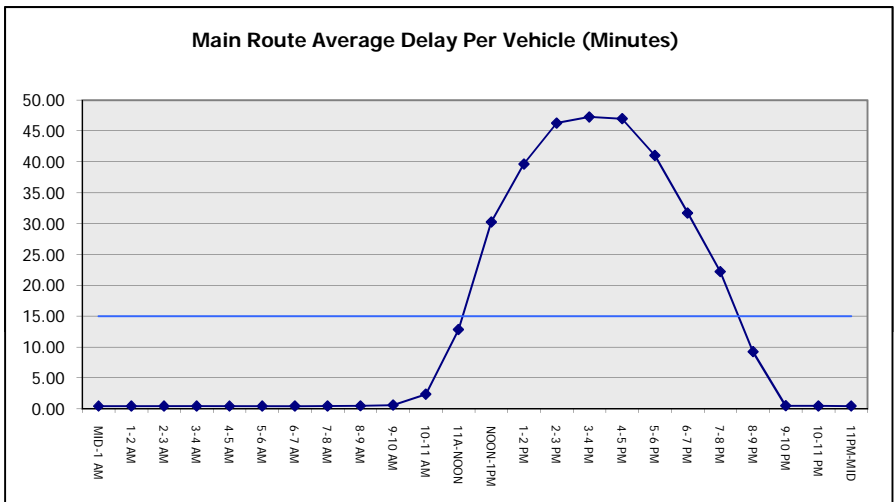
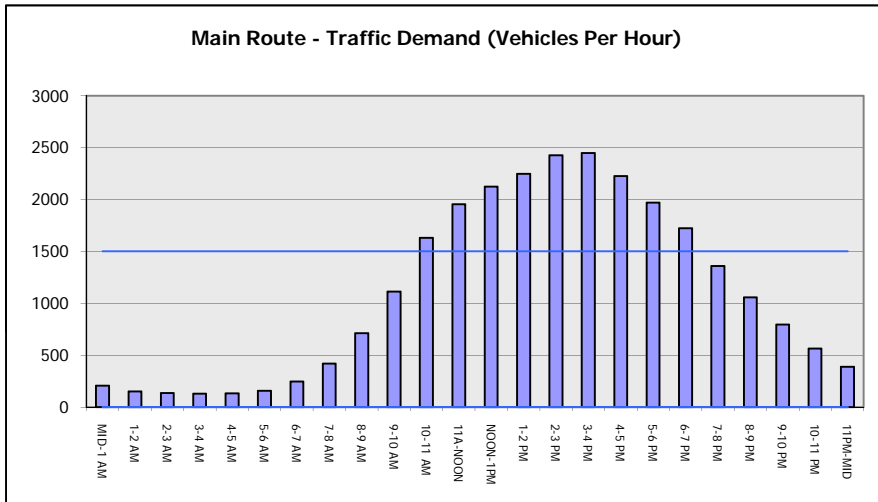
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$232,707
CONGESTED HOURS PER DAY*	8

*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
SUNDAY 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	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	227	0.0	93	0.0	1500	227	0	93	0.44	0	66.0	63.7	44.6	43.4	43.4
1-2 AM	161	0.0	66	0.0	1500	161	0	66	0.44	0	66.1	63.8	44.8	43.8	43.8
2-3 AM	130	0.0	54	0.0	1500	130	0	54	0.44	0	66.1	63.9	45.0	44.0	44.0
3-4 AM	111	0.0	46	0.0	1500	111	0	46	0.43	0	66.2	63.9	45.0	44.1	44.1
4-5 AM	103	0.0	43	0.0	1500	103	0	43	0.43	0	66.2	64.0	45.1	44.1	44.1
5-6 AM	140	0.0	58	0.0	1500	140	0	58	0.44	0	66.1	63.8	44.9	43.9	43.9
6-7 AM	210	0.0	86	0.0	1500	210	0	86	0.44	0	66.0	63.7	44.6	43.5	43.5
7-8 AM	396	0.0	163	0.0	1500	396	0	163	0.46	0	65.6	63.3	43.9	42.4	42.4
8-9 AM	732	0.0	301	0.0	1500	732	0	301	0.49	0	65.0	62.5	42.7	40.4	40.4
9-10 AM	1174	0.0	483	0.0	1499	1174	0	483	0.64	0	64.2	61.1	38.6	37.8	37.8
10-11 AM	1676	0.0	690	0.0	1499	1676	0	690	3.01	59	63.3	51.3	30.8	34.9	34.9
11A-NOON	2091	0.0	860	0.0	1500	2082	9	870	16.43	451	62.5	27.6	30.8	32.5	32.3
NOON-1PM	2301	0.0	948	0.0	1500	1883	419	1366+	36.02	958	62.1	16.6	30.8	31.2	25.3
1-2 PM	2603	0.0	1071	0.0	1500	1533	1070	2142+	46.65	1252	59.8	13.5	30.8	29.4	20.6
2-3 PM	2715	0.0	1118	0.0	1500	1502	1213	2331+	46.67	1260	58.7	13.5	30.8	28.8	20.5
3-4 PM	2714	0.0	1117	0.0	1500	1502	1212	2329+	46.67	1260	58.7	13.5	30.8	28.8	20.5
4-5 PM	2462	0.0	1014	0.0	1500	1502	960	1974+	47.25	1260	61.3	13.5	30.8	30.2	20.5
5-6 PM	2168	0.0	893	0.0	1500	1441	727	1620+	44.30	1174	62.3	14.2	30.8	32.0	21.6
6-7 PM	1839	0.0	758	0.0	1500	1202	637	1395+	37.01	979	63.0	16.3	30.8	33.9	24.8
7-8 PM	1469	0.0	605	0.0	1500	1208	261	866	25.50	666	63.7	21.3	30.8	36.1	32.4
8-9 PM	1119	0.0	461	0.0	1499	1119	0	461	13.70	359	64.3	30.9	32.3	38.1	38.1
9-10 PM	877	0.0	361	0.0	1500	877	0	361	1.14	20	64.8	59.4	42.0	39.6	39.6
10-11 PM	609	0.0	251	0.0	1500	609	0	251	0.48	0	65.3	62.8	43.1	41.2	41.2
11PM-MID	378	0.0	156	0.0	1500	378	0	156	0.46	0	65.7	63.3	44.0	42.5	42.5

+ 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	0.0615
MAIN ROUTE WITH WORKS	0.0460
DIVERSION	0.1389

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$279,858
CONGESTED HOURS PER DAY*	9

*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
SUNDAY EASTBOUND DIRECTION

