

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - 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	447	0.0	29	0.0	1500	447	0	29	0.53	0	70.2	47.6	43.7	19.7	19.7
1-2 AM	315	0.0	21	0.0	1500	315	0	21	0.51	0	70.2	48.1	44.2	19.7	19.7
2-3 AM	242	0.0	16	0.0	1500	242	0	16	0.50	0	70.2	48.3	44.5	19.7	19.7
3-4 AM	240	0.0	16	0.0	1500	240	0	16	0.50	0	70.2	48.3	44.5	19.7	19.7
4-5 AM	247	0.0	16	0.0	1500	247	0	16	0.50	0	70.2	48.3	44.5	19.7	19.7
5-6 AM	287	0.0	19	0.0	1500	287	0	19	0.51	0	70.2	48.1	44.3	19.7	19.7
6-7 AM	383	0.0	25	0.0	1500	383	0	25	0.52	0	70.2	47.8	44.0	19.7	19.7
7-8 AM	615	0.0	41	0.0	1500	615	0	41	0.55	0	70.0	46.9	43.1	19.6	19.6
8-9 AM	969	0.0	64	0.0	1499	969	0	64	0.58	0	69.6	45.7	41.8	19.5	19.5
9-10 AM	1440	0.0	95	0.0	1499	1440	0	95	1.26	11	68.9	32.5	33.3	19.3	19.3
10-11 AM	2167	0.0	144	0.0	1500	1699	468	612	8.48	203	68.1	9.6	30.8	19.0	17.1
11A-NOON	2793	0.0	185	0.0	1500	1618	1175	1360	12.84	310	67.3	7.5	30.8	18.8	12.9
NOON-1PM	3181	0.0	211	0.0	1499	1543	1638	1848+	16.14	395	66.8	6.6	30.8	18.6	11.0
1-2 PM	3788	0.0	251	0.0	1500	1500	2288	2539+	16.37	402	65.0	6.6	30.8	18.3	10.9
2-3 PM	4393	0.0	291	0.0	1500	1500	2893	3183+	16.25	402	60.9	6.6	30.8	18.1	10.9
3-4 PM	4682	0.0	310	0.0	1500	1500	3182	3492+	16.18	402	58.9	6.6	30.8	17.9	10.9
4-5 PM	4915	0.0	325	0.0	1500	1500	3415	3740+	16.12	402	57.3	6.6	30.8	17.8	10.9
5-6 PM	4608	0.0	305	0.0	1500	1500	3108	3413+	16.20	402	59.4	6.6	30.8	18.0	10.9
6-7 PM	4048	0.0	268	0.0	1500	1500	2548	2816+	16.32	402	63.2	6.6	30.8	18.2	10.9
7-8 PM	3446	0.0	228	0.0	1500	1500	1946	2174+	16.41	402	66.4	6.6	30.8	18.4	10.9
8-9 PM	2836	0.0	188	0.0	1499	1407	1429	1617+	15.20	371	67.2	6.8	30.8	18.7	11.5
9-10 PM	2058	0.0	136	0.0	1500	1374	684	820	9.60	225	68.2	8.8	30.8	19.0	16.0
10-11 PM	1374	0.0	91	0.0	1500	1337	37	128	5.44	125	69.1	12.7	32.3	19.3	19.6
11PM-MID	964	0.0	64	0.0	1500	963	0	64	0.60	0	69.6	45.2	41.8	19.5	19.5

+ 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	0.0104
MAIN ROUTE WITH WORKS	0.0036
DIVERSION	0.0859

PIA: Personal Injury Accidents

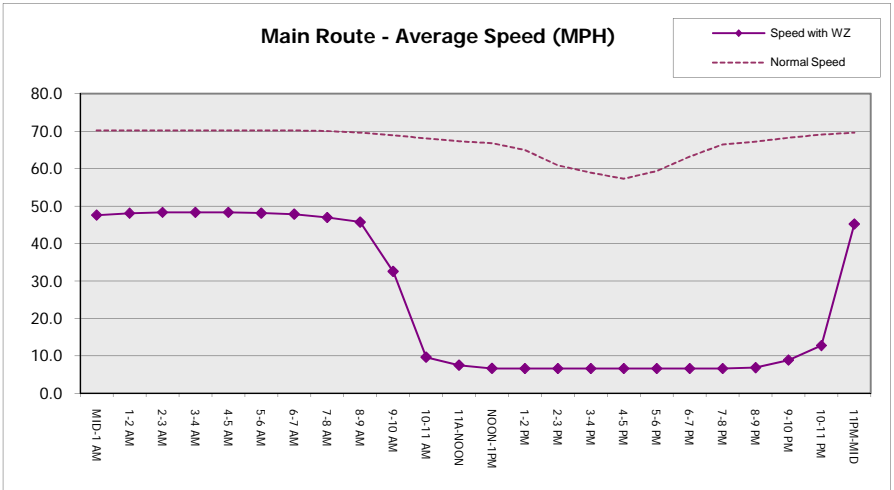
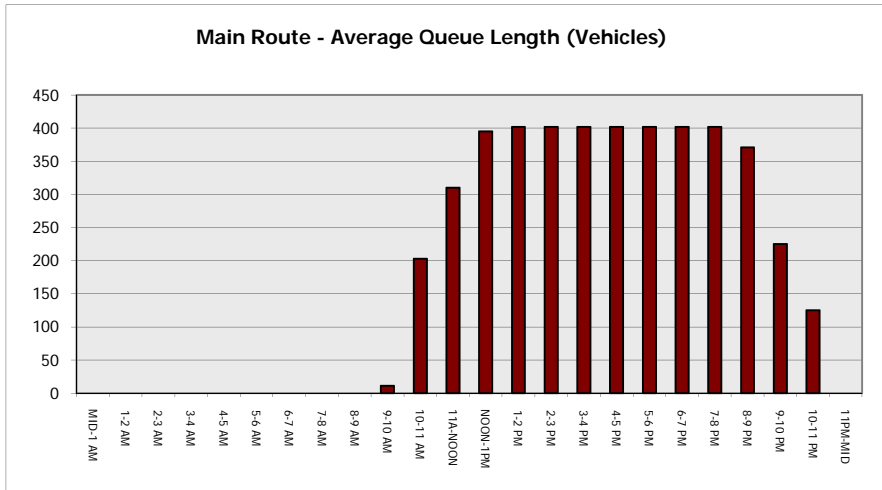
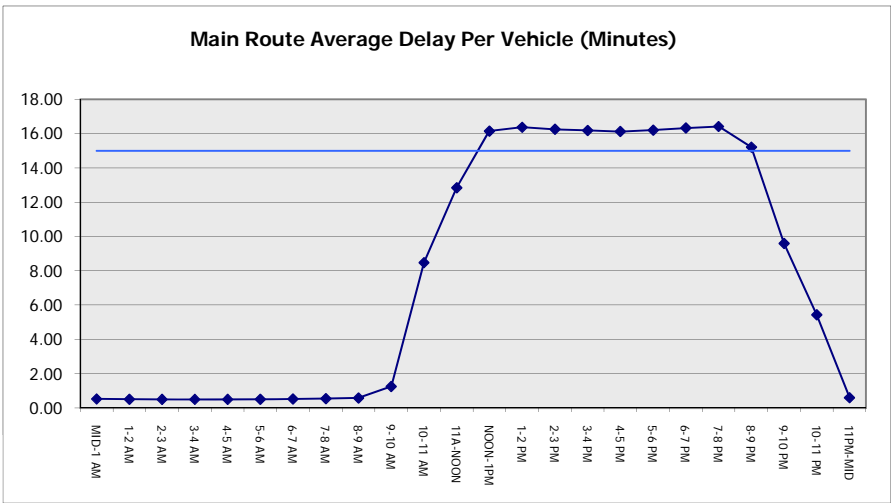
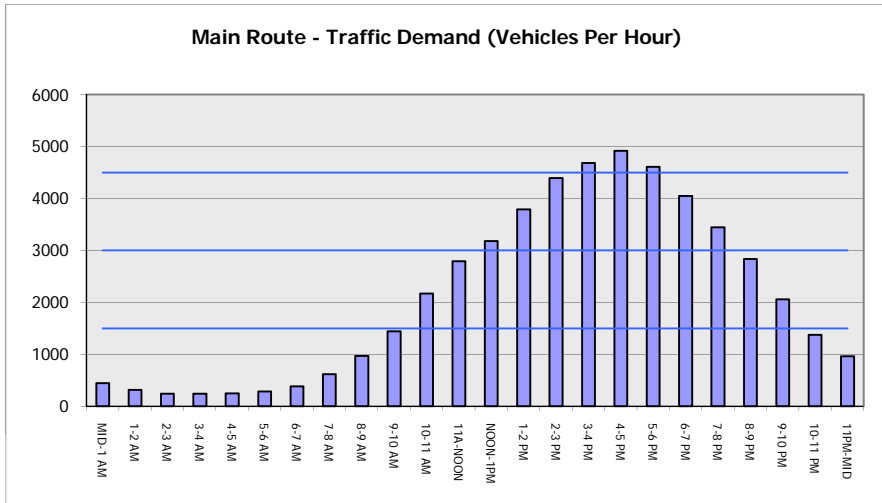
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$200,885
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - 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	435	0.0	29	0.0	1500	435	0	29	0.53	0	70.2	47.6	43.8	19.7	19.7
1-2 AM	286	0.0	19	0.0	1500	286	0	19	0.51	0	70.2	48.1	44.3	19.7	19.7
2-3 AM	217	0.0	14	0.0	1500	217	0	14	0.50	0	70.2	48.4	44.6	19.8	19.8
3-4 AM	184	0.0	12	0.0	1500	184	0	12	0.49	0	70.2	48.6	44.8	19.8	19.8
4-5 AM	195	0.0	13	0.0	1500	195	0	13	0.50	0	70.2	48.5	44.7	19.8	19.8
5-6 AM	306	0.0	21	0.0	1500	306	0	21	0.51	0	70.2	48.1	44.3	19.7	19.7
6-7 AM	643	0.0	42	0.0	1500	643	0	42	0.55	0	69.9	46.9	43.0	19.6	19.6
7-8 AM	1089	0.0	72	0.0	1499	1089	0	72	0.65	0	69.4	44.0	40.0	19.4	19.4
8-9 AM	1609	0.0	107	0.0	1499	1609	0	107	1.85	33	68.7	26.1	31.3	19.2	19.2
9-10 AM	2372	0.0	157	0.0	1499	1645	726	883	9.90	234	67.8	8.7	30.8	18.9	15.6
10-11 AM	3047	0.0	202	0.0	1500	1613	1434	1636+	14.91	364	66.9	6.9	30.8	18.6	11.6
11A-NOON	3190	0.0	211	0.0	1500	1504	1686	1897+	16.40	402	66.8	6.6	30.8	18.6	10.9
NOON-1PM	3518	0.0	233	0.0	1500	1500	2018	2251+	16.41	402	66.4	6.6	30.8	18.4	10.9
1-2 PM	3447	0.0	228	0.0	1500	1500	1947	2175+	16.41	402	66.4	6.6	30.8	18.4	10.9
2-3 PM	3146	0.0	209	0.0	1500	1502	1644	1852+	16.39	401	66.8	6.6	30.8	18.6	10.9
3-4 PM	3026	0.0	200	0.0	1500	1498	1527	1727+	16.29	399	66.9	6.6	30.8	18.6	10.9
4-5 PM	2916	0.0	193	0.0	1499	1461	1455	1649+	15.66	382	67.1	6.7	30.8	18.7	11.2
5-6 PM	2553	0.0	169	0.0	1499	1408	1145	1314	12.47	299	67.6	7.6	30.8	18.8	13.2
6-7 PM	2289	0.0	151	0.0	1500	1459	830	981	10.36	243	67.9	8.4	30.8	18.9	15.0
7-8 PM	1929	0.0	128	0.0	1500	1458	471	599	8.64	198	68.3	9.4	30.8	19.1	17.2
8-9 PM	1613	0.0	107	0.0	1500	1472	141	248	7.46	166	68.7	10.3	30.8	19.2	19.2
9-10 PM	1139	0.0	76	0.0	1499	1139	0	76	1.54	46	69.3	29.6	37.6	19.4	19.5
10-11 PM	788	0.0	52	0.0	1500	788	0	52	0.56	0	69.7	46.3	42.4	19.6	19.6
11PM-MID	543	0.0	36	0.0	1500	543	0	36	0.54	0	70.0	47.2	43.3	19.6	19.6

+ 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	0.0084
MAIN ROUTE WITH WORKS	0.0036
DIVERSION	0.0540

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$142,876
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

**IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

