

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

SATURDAY 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	621	0.0	41	0.0	1500	621	0	41	0.55	0	70.0	46.9	43.0	19.6	19.6
1-2 AM	445	0.0	29	0.0	1500	445	0	29	0.53	0	70.2	47.6	43.7	19.7	19.7
2-3 AM	368	0.0	25	0.0	1500	368	0	25	0.52	0	70.2	47.9	44.0	19.7	19.7
3-4 AM	394	0.0	26	0.0	1500	394	0	26	0.52	0	70.2	47.8	43.9	19.7	19.7
4-5 AM	489	0.0	32	0.0	1500	489	0	32	0.53	0	70.1	47.4	43.5	19.7	19.7
5-6 AM	585	0.0	39	0.0	1500	585	0	39	0.54	0	70.0	47.1	43.2	19.6	19.6
6-7 AM	667	0.0	44	0.0	1500	667	0	44	0.55	0	69.9	46.8	42.8	19.6	19.6
7-8 AM	1039	0.0	69	0.0	1499	1039	0	69	0.60	0	69.4	45.3	41.3	19.4	19.4
8-9 AM	1419	0.0	94	0.0	1499	1419	0	94	1.09	3	69.0	35.1	33.0	19.3	19.3
9-10 AM	1939	0.0	129	0.0	1500	1697	242	371	6.18	145	68.3	11.7	30.8	19.1	18.2
10-11 AM	2504	0.0	165	0.0	1500	1574	930	1095	11.00	260	67.6	8.1	30.8	18.8	14.4
11A-NOON	2622	0.0	174	0.0	1499	1508	1114	1288	12.23	292	67.5	7.6	30.8	18.8	13.3
NOON-1PM	2542	0.0	169	0.0	1499	1486	1056	1225	11.79	280	67.6	7.8	30.8	18.8	13.7
1-2 PM	2716	0.0	179	0.0	1500	1537	1179	1358	12.79	307	67.4	7.5	30.8	18.8	12.9
2-3 PM	2633	0.0	174	0.0	1499	1477	1156	1330	12.56	300	67.4	7.6	30.8	18.8	13.0
3-4 PM	2631	0.0	174	0.0	1500	1498	1133	1307	12.37	296	67.4	7.6	30.8	18.8	13.2
4-5 PM	2490	0.0	165	0.0	1499	1468	1022	1187	11.55	274	67.6	7.9	30.8	18.8	13.8
5-6 PM	2226	0.0	147	0.0	1500	1459	767	914	10.01	234	67.9	8.6	30.8	18.9	15.4
6-7 PM	1958	0.0	130	0.0	1500	1469	489	619	8.72	199	68.3	9.3	30.8	19.1	17.1
7-8 PM	1654	0.0	109	0.0	1500	1474	181	290	7.59	170	68.7	10.2	30.8	19.2	18.9
8-9 PM	1448	0.0	96	0.0	1499	1443	5	101	6.50	142	68.9	11.2	30.8	19.3	19.9
9-10 PM	1300	0.0	86	0.0	1499	1300	0	86	1.73	37	69.1	27.3	34.3	19.3	19.4
10-11 PM	973	0.0	65	0.0	1500	973	0	65	0.58	0	69.6	45.7	41.8	19.5	19.5
11PM-MID	634	0.0	42	0.0	1500	634	0	42	0.55	0	69.9	46.9	43.0	19.6	19.6

----- 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	0.0075
MAIN ROUTE WITH WORKS	0.0038
DIVERSION	0.0356

PIA: Personal Injury Accidents

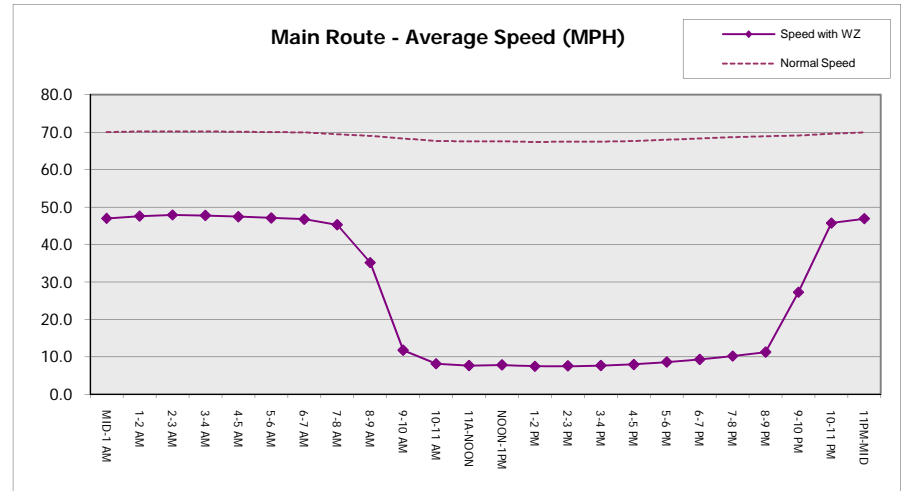
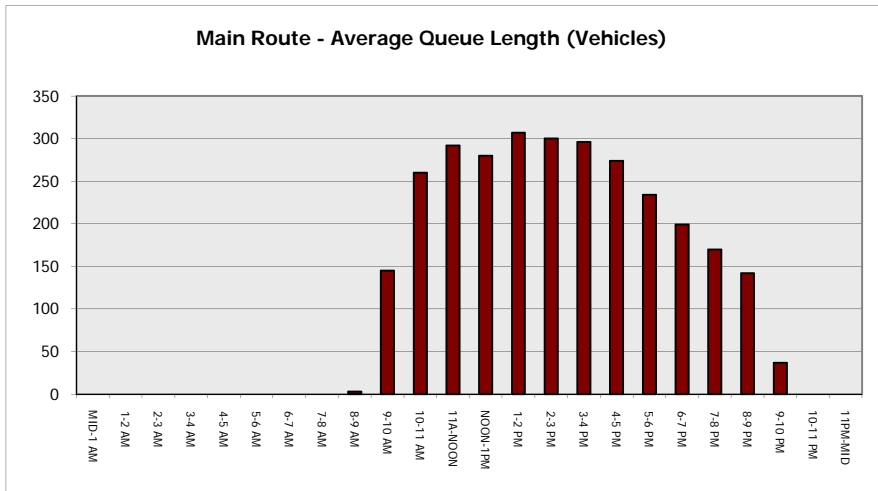
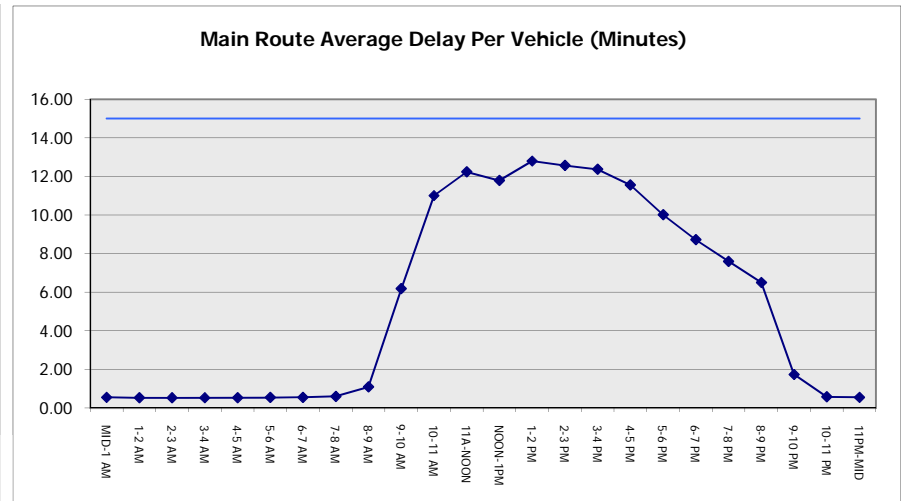
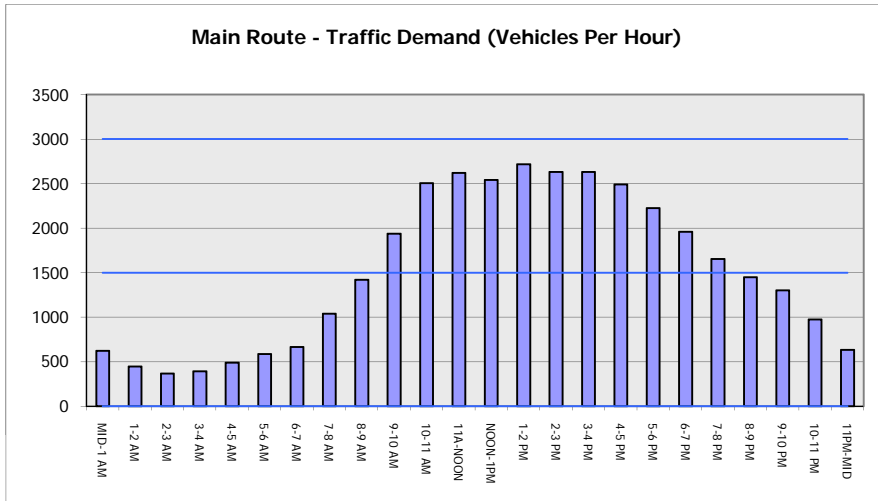
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$88,875
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SATURDAY 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	639	0.0	42	0.0	1500	639	0	42	0.55	0	69.9	46.9	43.0	19.6	19.6
1-2 AM	379	0.0	25	0.0	1500	379	0	25	0.52	0	70.2	47.8	44.0	19.7	19.7
2-3 AM	313	0.0	21	0.0	1500	313	0	21	0.51	0	70.2	48.1	44.2	19.7	19.7
3-4 AM	284	0.0	18	0.0	1500	284	0	18	0.51	0	70.2	48.2	44.3	19.7	19.7
4-5 AM	354	0.0	24	0.0	1500	354	0	24	0.52	0	70.2	47.9	44.1	19.7	19.7
5-6 AM	529	0.0	35	0.0	1500	529	0	35	0.54	0	70.0	47.3	43.4	19.7	19.7
6-7 AM	974	0.0	65	0.0	1499	974	0	65	0.58	0	69.6	45.7	41.8	19.5	19.5
7-8 AM	1649	0.0	109	0.0	1499	1649	0	109	1.98	40	68.7	25.2	31.1	19.2	19.3
8-9 AM	2353	0.0	156	0.0	1499	1612	741	897	9.95	234	67.8	8.6	30.8	18.9	15.5
9-10 AM	2899	0.0	192	0.0	1500	1617	1282	1475	13.84	336	67.1	7.2	30.8	18.7	12.2
10-11 AM	3275	0.0	217	0.0	1499	1500	1774	1992+	16.42	402	66.7	6.6	30.8	18.5	10.9
11A-NOON	3112	0.0	206	0.0	1500	1508	1604	1811+	16.35	400	66.9	6.6	30.8	18.6	10.9
NOON-1PM	2861	0.0	189	0.0	1500	1442	1419	1608+	15.20	370	67.2	6.8	30.8	18.7	11.4
1-2 PM	2561	0.0	170	0.0	1499	1432	1129	1299	12.34	295	67.6	7.6	30.8	18.8	13.2
2-3 PM	2410	0.0	160	0.0	1500	1479	931	1091	10.96	258	67.8	8.1	30.8	18.9	14.4
3-4 PM	2328	0.0	155	0.0	1500	1485	842	997	10.44	245	67.8	8.4	30.8	18.9	14.9
4-5 PM	2046	0.0	135	0.0	1499	1464	581	716	9.11	210	68.2	9.1	30.8	19.0	16.5
5-6 PM	1952	0.0	130	0.0	1500	1490	462	591	8.61	196	68.3	9.4	30.8	19.1	17.2
6-7 PM	1671	0.0	110	0.0	1500	1473	198	308	7.64	171	68.7	10.1	30.8	19.2	18.8
7-8 PM	1454	0.0	96	0.0	1500	1444	9	105	6.58	144	68.9	11.1	30.8	19.3	19.9
8-9 PM	1282	0.0	84	0.0	1499	1282	0	84	1.59	33	69.1	28.7	34.8	19.4	19.4
9-10 PM	1081	0.0	71	0.0	1500	1081	0	71	0.60	0	69.4	45.3	41.4	19.4	19.4
10-11 PM	856	0.0	56	0.0	1500	856	0	56	0.57	0	69.7	46.1	42.2	19.5	19.5
11PM-MID	640	0.0	42	0.0	1500	640	0	42	0.55	0	69.9	46.9	43.0	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	0.0078
MAIN ROUTE WITH WORKS	0.0038
DIVERSION	0.0411

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$107,054
CONGESTED HOURS PER DAY*	3

*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
SATURDAY EASTBOUND DIRECTION

