

<b>IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12</b>	<b>OCTOBER</b>
	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	517	0.0	35	0.0	1500	517	0	35	0.53	0	70.1	47.3	43.5	19.7	19.7
1-2 AM	386	0.0	26	0.0	1500	386	0	26	0.52	0	70.2	47.8	44.0	19.7	19.7
2-3 AM	352	0.0	24	0.0	1500	352	0	24	0.52	0	70.2	47.9	44.1	19.7	19.7
3-4 AM	348	0.0	23	0.0	1500	348	0	23	0.51	0	70.2	47.9	44.1	19.7	19.7
4-5 AM	423	0.0	28	0.0	1500	423	0	28	0.52	0	70.2	47.6	43.8	19.7	19.7
5-6 AM	554	0.0	37	0.0	1500	554	0	37	0.54	0	70.0	47.2	43.3	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	991	0.0	66	0.0	1500	991	0	66	0.59	0	69.5	45.6	41.7	19.4	19.4
8-9 AM	1348	0.0	90	0.0	1499	1348	0	90	0.89	0	69.1	38.6	34.5	19.3	19.3
9-10 AM	1874	0.0	124	0.0	1499	1708	165	289	5.25	124	68.4	13.1	30.8	19.1	18.6
10-11 AM	2236	0.0	148	0.0	1499	1530	706	854	9.72	226	67.9	8.8	30.8	18.9	15.7
11A-NOON	2346	0.0	156	0.0	1499	1506	840	996	10.43	244	67.8	8.4	30.8	18.9	15.0
NOON-1PM	2190	0.0	145	0.0	1499	1475	714	859	9.74	226	68.0	8.8	30.8	19.0	15.7
1-2 PM	2127	0.0	141	0.0	1500	1496	630	771	9.34	216	68.1	8.9	30.8	19.0	16.2
2-3 PM	2215	0.0	147	0.0	1500	1513	702	849	9.70	225	68.0	8.8	30.8	18.9	15.8
3-4 PM	2242	0.0	148	0.0	1499	1503	739	887	9.87	230	67.9	8.7	30.8	18.9	15.5
4-5 PM	2316	0.0	153	0.0	1500	1505	811	965	10.26	240	67.9	8.4	30.8	18.9	15.1
5-6 PM	2058	0.0	136	0.0	1499	1461	596	733	9.18	212	68.2	9.1	30.8	19.0	16.4
6-7 PM	1757	0.0	117	0.0	1500	1473	284	401	7.94	179	68.6	9.9	30.8	19.1	18.3
7-8 PM	1648	0.0	109	0.0	1500	1491	157	266	7.51	168	68.7	10.2	30.8	19.2	19.1
8-9 PM	1345	0.0	89	0.0	1499	1344	2	90	4.30	97	69.1	15.0	32.0	19.3	19.6
9-10 PM	1215	0.0	80	0.0	1500	1215	0	80	0.73	0	69.2	42.0	38.1	19.4	19.4
10-11 PM	917	0.0	61	0.0	1500	917	0	61	0.58	0	69.6	45.9	42.0	19.5	19.5
11PM-MID	592	0.0	39	0.0	1500	592	0	39	0.54	0	70.0	47.1	43.2	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	0.0068
MAIN ROUTE WITH WORKS	0.0037
DIVERSION	0.0260

PIA: Personal Injury Accidents

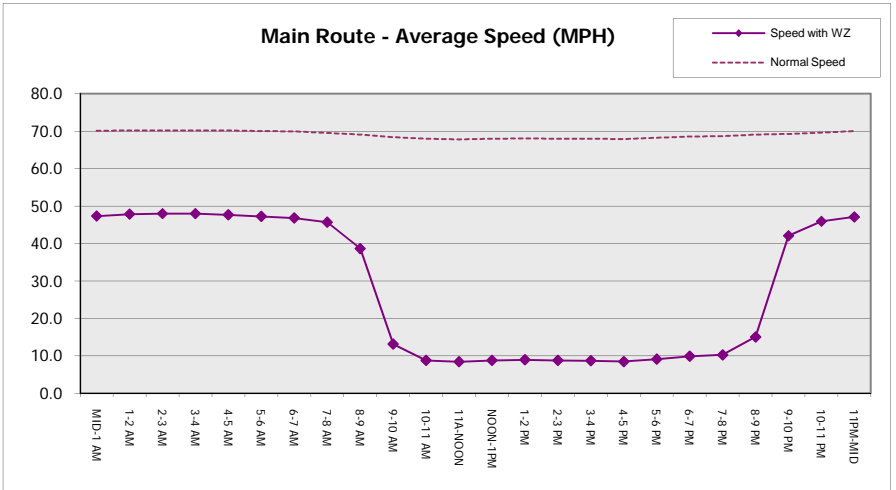
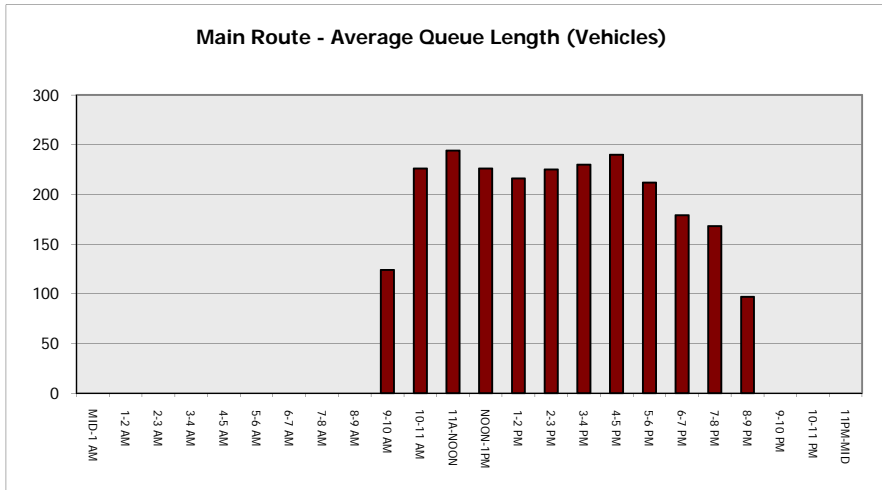
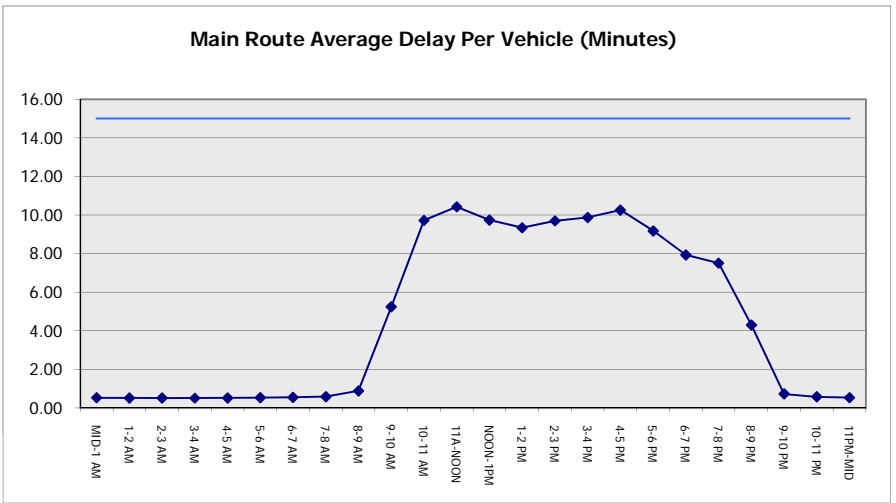
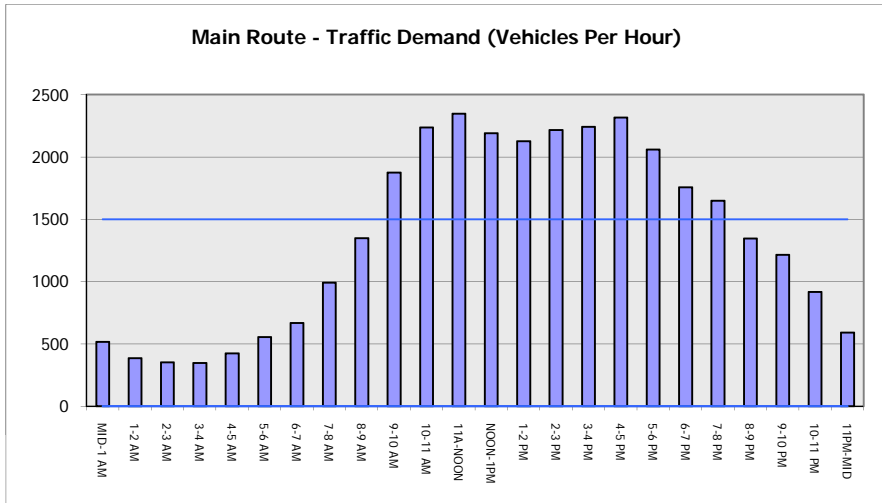
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$64,987
CONGESTED HOURS PER DAY*	0

\*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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12</b>	<b>OCTOBER</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	549	0.0	37	0.0	1500	549	0	37	0.54	0	70.0	47.2	43.3	19.6	19.6
1-2 AM	349	0.0	23	0.0	1500	349	0	23	0.52	0	70.2	47.9	44.1	19.7	19.7
2-3 AM	267	0.0	17	0.0	1500	267	0	17	0.50	0	70.2	48.3	44.4	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	358	0.0	24	0.0	1500	358	0	24	0.52	0	70.2	47.9	44.0	19.7	19.7
5-6 AM	535	0.0	36	0.0	1500	535	0	36	0.54	0	70.0	47.3	43.3	19.6	19.6
6-7 AM	913	0.0	61	0.0	1499	913	0	61	0.58	0	69.6	45.9	42.0	19.5	19.5
7-8 AM	1421	0.0	94	0.0	1499	1421	0	94	1.13	5	69.0	34.5	33.2	19.3	19.3
8-9 AM	1927	0.0	128	0.0	1500	1686	241	369	6.37	149	68.3	11.5	30.8	19.1	18.3
9-10 AM	2430	0.0	161	0.0	1500	1566	865	1026	10.60	250	67.7	8.3	30.8	18.9	14.8
10-11 AM	2687	0.0	178	0.0	1500	1537	1149	1328	12.54	300	67.4	7.6	30.8	18.8	13.1
11A-NOON	2603	0.0	173	0.0	1499	1470	1133	1306	12.38	296	67.5	7.6	30.8	18.8	13.2
NOON-1PM	2358	0.0	156	0.0	1499	1458	900	1056	10.76	253	67.8	8.3	30.8	18.9	14.6
1-2 PM	2255	0.0	149	0.0	1500	1490	766	915	10.01	233	67.9	8.6	30.8	18.9	15.4
2-3 PM	2227	0.0	147	0.0	1500	1497	730	877	9.83	229	67.9	8.7	30.8	18.9	15.6
3-4 PM	2159	0.0	143	0.0	1500	1492	667	809	9.51	220	68.1	8.9	30.8	19.0	16.0
4-5 PM	2166	0.0	144	0.0	1500	1499	667	811	9.52	220	68.1	8.9	30.8	19.0	16.0
5-6 PM	1975	0.0	131	0.0	1499	1473	502	633	8.77	201	68.2	9.3	30.8	19.1	17.0
6-7 PM	1657	0.0	110	0.0	1500	1471	187	297	7.61	170	68.7	10.2	30.8	19.2	18.9
7-8 PM	1416	0.0	94	0.0	1499	1412	4	98	6.02	131	69.0	11.8	30.9	19.3	19.8
8-9 PM	1160	0.0	77	0.0	1500	1160	0	77	0.88	9	69.3	38.9	39.2	19.4	19.4
9-10 PM	981	0.0	65	0.0	1500	981	0	65	0.58	0	69.5	45.6	41.7	19.5	19.5
10-11 PM	819	0.0	54	0.0	1500	819	0	54	0.57	0	69.7	46.2	42.3	19.6	19.6
11PM-MID	601	0.0	40	0.0	1500	601	0	40	0.54	0	70.0	47.0	43.1	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	0.0070
MAIN ROUTE WITH WORKS	0.0037
DIVERSION	0.0307

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$76,251
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
 DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12**

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

