

<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>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	499	0.0	34	0.0	1500	499	0	34	0.53	0	70.1	47.4	43.5	19.7	19.7
1-2 AM	433	0.0	29	0.0	1500	433	0	29	0.53	0	70.2	47.6	43.8	19.7	19.7
2-3 AM	438	0.0	29	0.0	1500	438	0	29	0.53	0	70.2	47.6	43.7	19.7	19.7
3-4 AM	610	0.0	40	0.0	1500	610	0	40	0.54	0	70.0	46.9	43.1	19.6	19.6
4-5 AM	1118	0.0	75	0.0	1499	1118	0	75	0.68	0	69.4	43.2	39.2	19.4	19.4
5-6 AM	1747	0.0	116	0.0	1499	1731	16	131	3.89	93	68.6	16.3	30.8	19.1	19.4
6-7 AM	1951	0.0	129	0.0	1499	1467	484	613	8.69	199	68.3	9.4	30.8	19.1	17.1
7-8 AM	1897	0.0	125	0.0	1499	1490	407	532	8.39	191	68.4	9.6	30.8	19.1	17.6
8-9 AM	1830	0.0	121	0.0	1500	1495	335	456	8.12	184	68.4	9.7	30.8	19.1	17.9
9-10 AM	1885	0.0	125	0.0	1500	1508	377	503	8.28	188	68.4	9.6	30.8	19.1	17.7
10-11 AM	1983	0.0	131	0.0	1500	1511	472	603	8.65	198	68.2	9.4	30.8	19.1	17.1
11A-NOON	2060	0.0	136	0.0	1500	1508	552	688	8.99	206	68.2	9.2	30.8	19.0	16.6
NOON-1PM	2116	0.0	141	0.0	1499	1509	607	747	9.24	213	68.1	9.0	30.8	19.0	16.3
1-2 PM	2297	0.0	152	0.0	1500	1524	772	925	10.06	235	67.9	8.6	30.8	18.9	15.3
2-3 PM	2354	0.0	156	0.0	1499	1507	848	1003	10.47	245	67.8	8.4	30.8	18.9	14.9
3-4 PM	2435	0.0	161	0.0	1500	1512	922	1083	10.91	257	67.7	8.2	30.8	18.9	14.5
4-5 PM	2474	0.0	164	0.0	1500	1500	973	1138	11.24	266	67.7	8.0	30.8	18.9	14.2
5-6 PM	2254	0.0	149	0.0	1499	1460	794	943	10.16	238	67.9	8.5	30.8	18.9	15.2
6-7 PM	1925	0.0	128	0.0	1500	1462	463	591	8.61	197	68.3	9.4	30.8	19.1	17.2
7-8 PM	1635	0.0	108	0.0	1500	1476	159	267	7.52	168	68.7	10.2	30.8	19.2	19.1
8-9 PM	1419	0.0	94	0.0	1499	1415	3	97	6.02	131	69.0	11.8	30.9	19.3	19.8
9-10 PM	1169	0.0	78	0.0	1500	1169	0	78	0.92	10	69.3	38.1	38.8	19.4	19.4
10-11 PM	876	0.0	58	0.0	1500	876	0	58	0.57	0	69.6	46.0	42.1	19.5	19.5
11PM-MID	593	0.0	39	0.0	1500	593	0	39	0.54	0	70.0	47.0	43.2	19.6	19.6

*----- 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	0.0079
MAIN ROUTE WITH WORKS	0.0042
DIVERSION	0.0327

PIA: Personal Injury Accidents

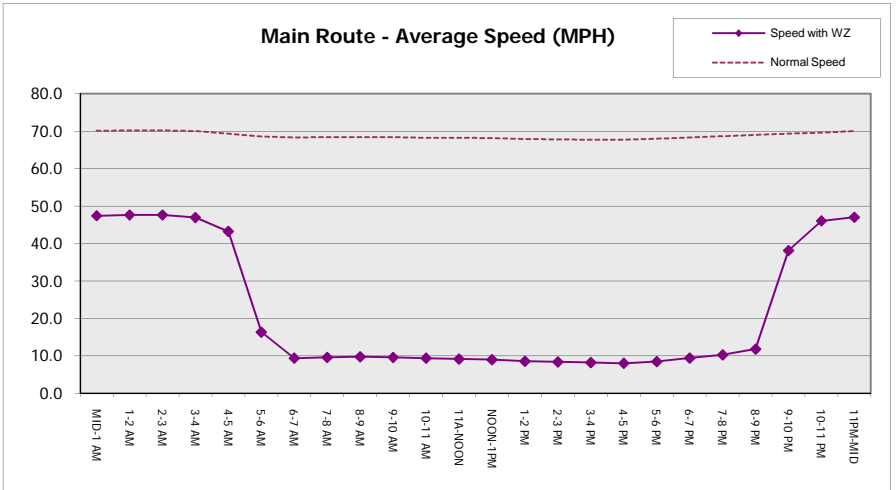
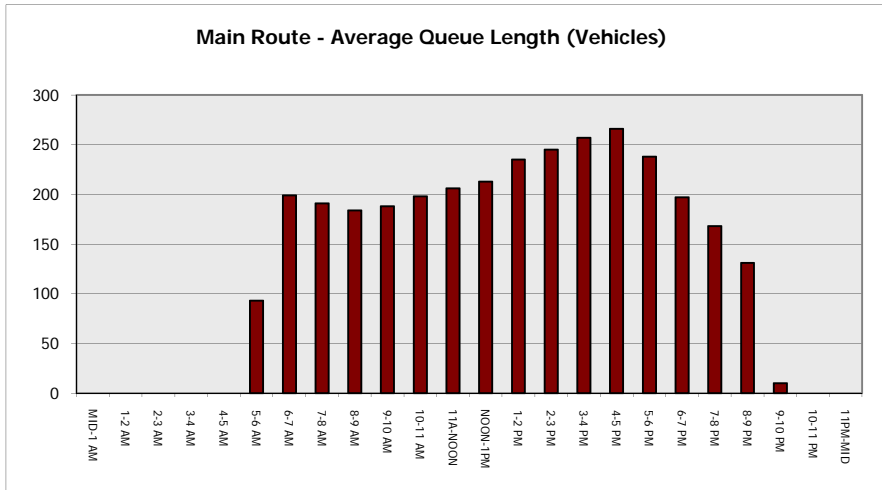
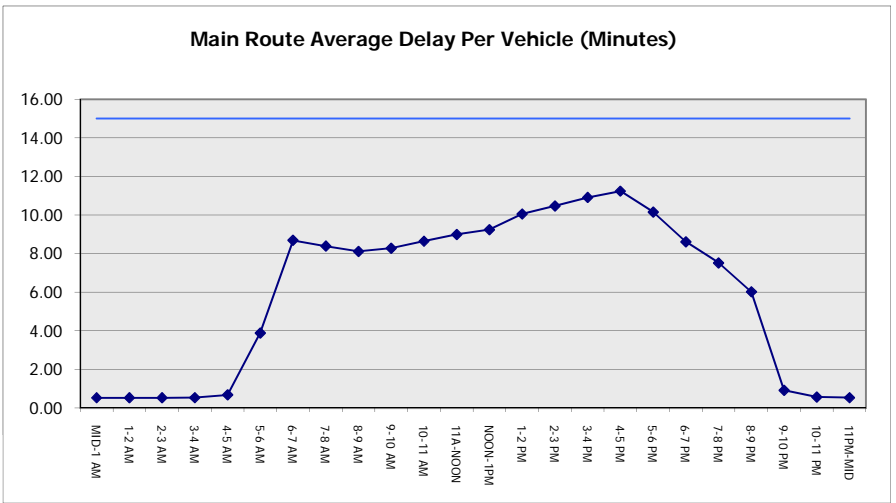
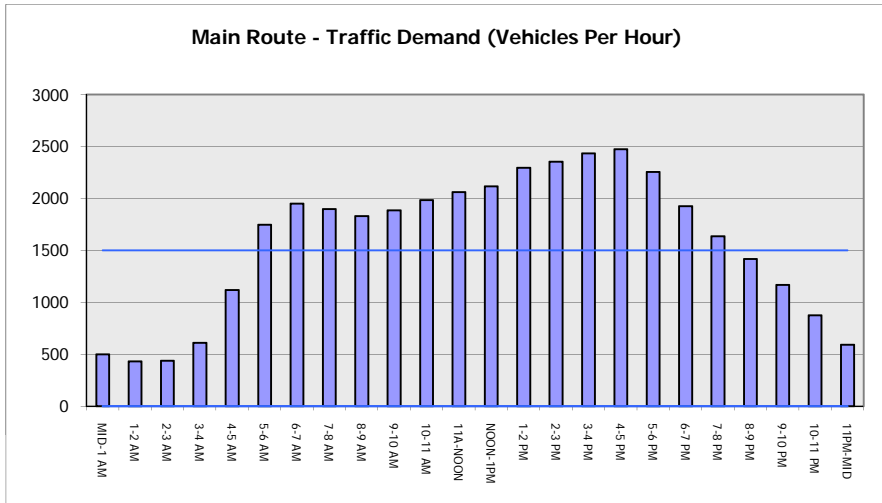
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$68,782
CONGESTED HOURS PER DAY*	0

\*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**  
**MON-THUR 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>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	462	0.0	30	0.0	1500	462	0	30	0.53	0	70.2	47.5	43.7	19.7	19.7
1-2 AM	310	0.0	21	0.0	1500	310	0	21	0.51	0	70.2	48.1	44.2	19.7	19.7
2-3 AM	272	0.0	18	0.0	1500	272	0	18	0.51	0	70.2	48.2	44.4	19.7	19.7
3-4 AM	313	0.0	21	0.0	1500	313	0	21	0.51	0	70.2	48.1	44.2	19.7	19.7
4-5 AM	452	0.0	30	0.0	1500	452	0	30	0.53	0	70.2	47.6	43.7	19.7	19.7
5-6 AM	766	0.0	51	0.0	1500	766	0	51	0.56	0	69.8	46.5	42.5	19.6	19.6
6-7 AM	1342	0.0	89	0.0	1499	1342	0	89	0.88	0	69.1	38.8	34.7	19.3	19.3
7-8 AM	1683	0.0	111	0.0	1499	1683	0	111	3.40	75	68.6	17.7	30.8	19.2	19.4
8-9 AM	1858	0.0	123	0.0	1499	1511	347	470	8.17	185	68.4	9.7	30.8	19.1	17.9
9-10 AM	2256	0.0	149	0.0	1500	1549	707	856	9.73	226	67.9	8.8	30.8	18.9	15.7
10-11 AM	2439	0.0	161	0.0	1499	1519	919	1081	10.90	257	67.7	8.2	30.8	18.9	14.5
11A-NOON	2381	0.0	158	0.0	1499	1486	895	1053	10.74	253	67.8	8.3	30.8	18.9	14.6
NOON-1PM	2334	0.0	155	0.0	1500	1496	838	993	10.41	244	67.8	8.4	30.8	18.9	15.0
1-2 PM	2426	0.0	161	0.0	1500	1519	907	1068	10.83	255	67.7	8.2	30.8	18.9	14.5
2-3 PM	2599	0.0	172	0.0	1500	1532	1067	1239	11.89	283	67.5	7.8	30.8	18.8	13.6
3-4 PM	2729	0.0	181	0.0	1500	1524	1205	1385	13.01	312	67.3	7.4	30.8	18.8	12.7
4-5 PM	2683	0.0	177	0.0	1499	1476	1206	1384	13.00	312	67.4	7.4	30.8	18.8	12.7
5-6 PM	2303	0.0	152	0.0	1499	1430	873	1025	10.60	250	67.9	8.3	30.8	18.9	14.8
6-7 PM	2004	0.0	133	0.0	1500	1465	540	673	8.93	205	68.2	9.2	30.8	19.1	16.8
7-8 PM	1610	0.0	107	0.0	1500	1466	144	251	7.47	167	68.7	10.2	30.8	19.2	19.1
8-9 PM	1364	0.0	91	0.0	1499	1364	0	91	4.70	103	69.1	14.0	31.7	19.3	19.6
9-10 PM	1134	0.0	76	0.0	1500	1134	0	76	0.66	0	69.3	43.6	40.1	19.4	19.4
10-11 PM	955	0.0	64	0.0	1500	955	0	64	0.58	0	69.6	45.8	41.9	19.5	19.5
11PM-MID	629	0.0	42	0.0	1500	629	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	0.0077
MAIN ROUTE WITH WORKS	0.0039
DIVERSION	0.0370

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$73,572
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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

