

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

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	414	0.0	27	0.0	1500	414	0	27	0.52	0	70.2	47.7	43.8	19.7	19.7
1-2 AM	383	0.0	25	0.0	1500	383	0	25	0.52	0	70.2	47.8	44.0	19.7	19.7
2-3 AM	411	0.0	27	0.0	1500	411	0	27	0.52	0	70.2	47.7	43.8	19.7	19.7
3-4 AM	548	0.0	37	0.0	1500	548	0	37	0.54	0	70.0	47.2	43.3	19.6	19.6
4-5 AM	991	0.0	66	0.0	1499	991	0	66	0.60	0	69.5	45.3	41.4	19.4	19.4
5-6 AM	1725	0.0	115	0.0	1499	1725	0	115	3.42	82	68.6	17.8	30.8	19.2	19.5
6-7 AM	1955	0.0	130	0.0	1499	1473	482	612	8.69	199	68.3	9.4	30.8	19.1	17.1
7-8 AM	1869	0.0	124	0.0	1499	1486	384	508	8.30	188	68.4	9.6	30.8	19.1	17.7
8-9 AM	1714	0.0	114	0.0	1499	1486	228	342	7.74	174	68.6	10.1	30.8	19.2	18.6
9-10 AM	1616	0.0	107	0.0	1500	1494	122	229	7.40	165	68.7	10.3	30.8	19.2	19.3
10-11 AM	1667	0.0	110	0.0	1500	1506	161	271	7.53	168	68.7	10.2	30.8	19.2	19.0
11A-NOON	1727	0.0	115	0.0	1500	1505	222	337	7.73	173	68.6	10.1	30.8	19.2	18.6
NOON-1PM	1762	0.0	117	0.0	1500	1505	258	374	7.85	176	68.6	9.9	30.8	19.1	18.4
1-2 PM	1937	0.0	129	0.0	1500	1517	420	549	8.45	192	68.3	9.5	30.8	19.1	17.5
2-3 PM	1969	0.0	131	0.0	1499	1503	467	597	8.63	197	68.3	9.4	30.8	19.1	17.2
3-4 PM	2089	0.0	138	0.0	1500	1513	575	714	9.10	209	68.1	9.1	30.8	19.0	16.5
4-5 PM	2102	0.0	139	0.0	1500	1497	605	744	9.23	213	68.1	9.0	30.8	19.0	16.3
5-6 PM	1945	0.0	129	0.0	1499	1478	467	596	8.63	197	68.3	9.4	30.8	19.1	17.2
6-7 PM	1619	0.0	107	0.0	1500	1470	149	256	7.49	167	68.7	10.2	30.8	19.2	19.1
7-8 PM	1331	0.0	89	0.0	1499	1331	0	89	3.73	89	69.1	16.7	32.5	19.3	19.6
8-9 PM	1108	0.0	74	0.0	1500	1108	0	74	0.60	0	69.4	45.3	41.3	19.4	19.4
9-10 PM	943	0.0	63	0.0	1500	943	0	63	0.58	0	69.6	45.8	41.9	19.5	19.5
10-11 PM	703	0.0	46	0.0	1500	703	0	46	0.55	0	69.9	46.6	42.7	19.6	19.6
11PM-MID	493	0.0	32	0.0	1500	493	0	32	0.53	0	70.1	47.4	43.5	19.7	19.7

----- 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	0.0068
MAIN ROUTE WITH WORKS	0.0040
DIVERSION	0.0205

PIA: Personal Injury Accidents

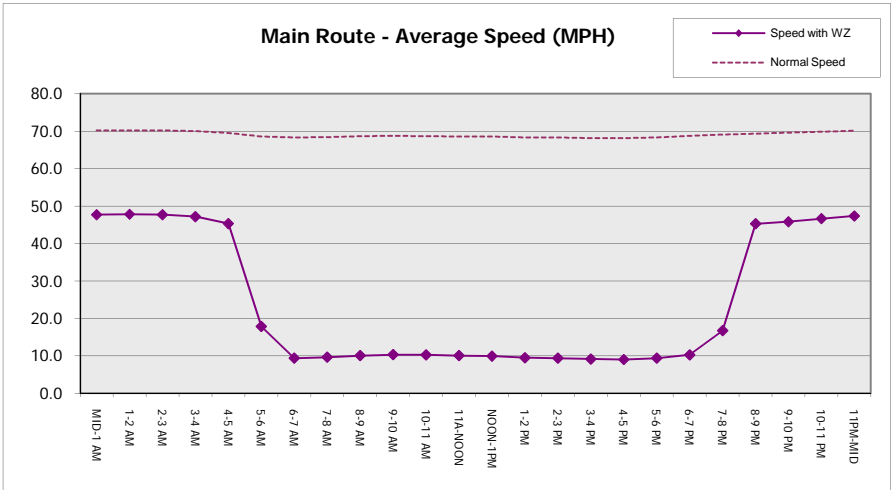
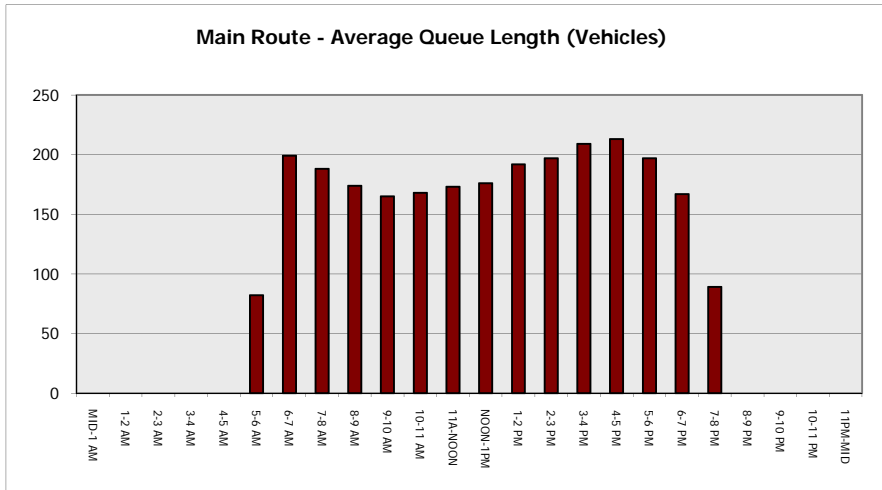
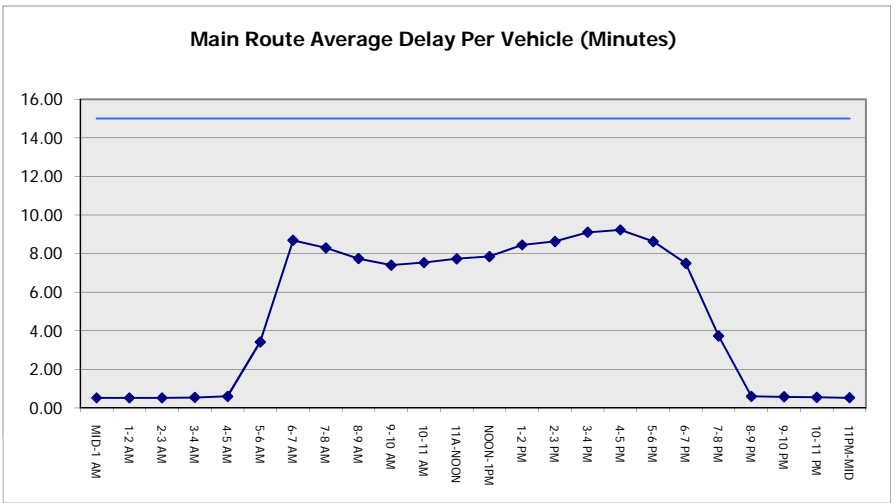
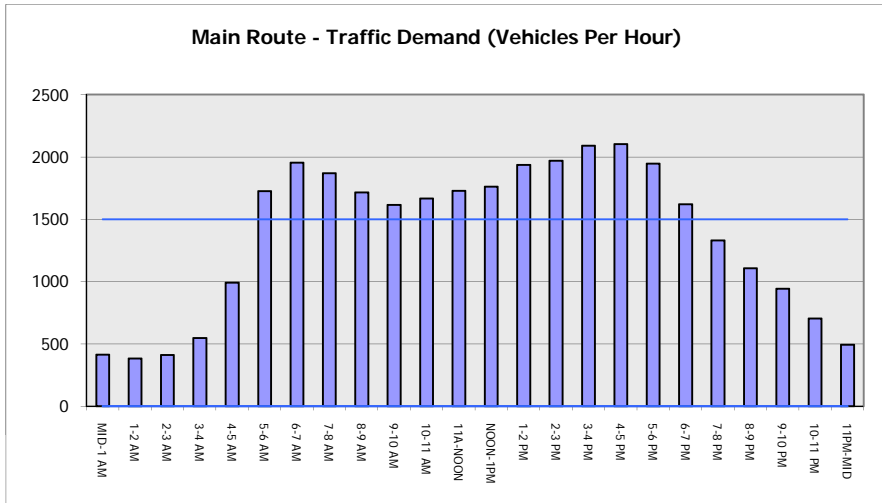
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$49,178
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	OCTOBER
	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						
	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	422	0.0	28	0.0	1500	422	0	28	0.52	0	70.2	47.7	43.8	19.7	19.7
1-2 AM	285	0.0	18	0.0	1500	285	0	18	0.51	0	70.2	48.2	44.3	19.7	19.7
2-3 AM	255	0.0	17	0.0	1500	255	0	17	0.50	0	70.2	48.3	44.5	19.7	19.7
3-4 AM	291	0.0	19	0.0	1500	291	0	19	0.51	0	70.2	48.1	44.3	19.7	19.7
4-5 AM	412	0.0	27	0.0	1500	412	0	27	0.52	0	70.2	47.7	43.8	19.7	19.7
5-6 AM	706	0.0	46	0.0	1500	706	0	46	0.56	0	69.9	46.6	42.7	19.6	19.6
6-7 AM	1200	0.0	80	0.0	1499	1200	0	80	0.71	0	69.2	42.4	38.3	19.4	19.4
7-8 AM	1575	0.0	104	0.0	1499	1575	0	104	1.83	23	68.7	26.3	30.8	19.3	19.3
8-9 AM	1650	0.0	109	0.0	1499	1607	44	153	5.96	131	68.7	11.9	30.8	19.2	19.5
9-10 AM	1892	0.0	125	0.0	1499	1513	379	504	8.29	188	68.4	9.6	30.8	19.1	17.7
10-11 AM	2017	0.0	134	0.0	1500	1509	507	641	8.80	202	68.2	9.3	30.8	19.1	17.0
11A-NOON	1978	0.0	131	0.0	1499	1493	484	615	8.70	199	68.2	9.4	30.8	19.1	17.1
NOON-1PM	1957	0.0	130	0.0	1500	1500	456	586	8.59	196	68.3	9.4	30.8	19.1	17.3
1-2 PM	2092	0.0	138	0.0	1500	1519	573	711	9.08	209	68.1	9.1	30.8	19.0	16.5
2-3 PM	2296	0.0	152	0.0	1500	1530	766	918	10.03	234	67.9	8.6	30.8	18.9	15.4
3-4 PM	2545	0.0	169	0.0	1500	1536	1008	1177	11.48	272	67.6	7.9	30.8	18.8	13.9
4-5 PM	2504	0.0	165	0.0	1499	1477	1026	1192	11.58	275	67.6	7.9	30.8	18.8	13.8
5-6 PM	2052	0.0	136	0.0	1499	1435	617	753	9.27	215	68.2	9.0	30.8	19.0	16.3
6-7 PM	1765	0.0	117	0.0	1500	1473	292	409	7.96	180	68.6	9.9	30.8	19.1	18.3
7-8 PM	1351	0.0	90	0.0	1499	1342	9	98	4.68	106	69.1	14.2	32.1	19.3	19.6
8-9 PM	1121	0.0	75	0.0	1500	1121	0	75	0.63	0	69.4	44.3	40.5	19.4	19.4
9-10 PM	990	0.0	66	0.0	1500	990	0	66	0.59	0	69.5	45.6	41.7	19.4	19.4
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	543	0.0	36	0.0	1500	543	0	36	0.54	0	70.0	47.2	43.3	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	0.0254

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$51,856
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**

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

