

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) NIGHTTIME 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	OFF	1419	0	94	0.00	0	69.0	69.0	69.0	19.3	19.3
9-10 AM	1939	0.0	129	0.0	OFF	1939	0	129	0.00	0	68.3	68.3	68.3	19.1	19.1
10-11 AM	2504	0.0	165	0.0	OFF	2504	0	165	0.00	0	67.6	67.6	67.6	18.8	18.8
11A-NOON	2622	0.0	174	0.0	OFF	2622	0	174	0.00	0	67.5	67.5	67.5	18.8	18.8
NOON-1PM	2542	0.0	169	0.0	OFF	2542	0	169	0.00	0	67.6	67.6	67.6	18.8	18.8
1-2 PM	2716	0.0	179	0.0	OFF	2716	0	179	0.00	0	67.4	67.4	67.4	18.8	18.8
2-3 PM	2633	0.0	174	0.0	OFF	2633	0	174	0.00	0	67.4	67.4	67.4	18.8	18.8
3-4 PM	2631	0.0	174	0.0	OFF	2631	0	174	0.00	0	67.4	67.4	67.4	18.8	18.8
4-5 PM	2490	0.0	165	0.0	OFF	2490	0	165	0.00	0	67.6	67.6	67.6	18.8	18.8
5-6 PM	2226	0.0	147	0.0	OFF	2226	0	147	0.00	0	67.9	67.9	67.9	18.9	18.9
6-7 PM	1958	0.0	130	0.0	1499	1686	272	402	7.37	169	68.3	10.4	31.2	19.1	18.2
7-8 PM	1654	0.0	109	0.0	1500	1476	179	288	7.58	169	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0066
DIVERSION	0.0087

PIA: Personal Injury Accidents

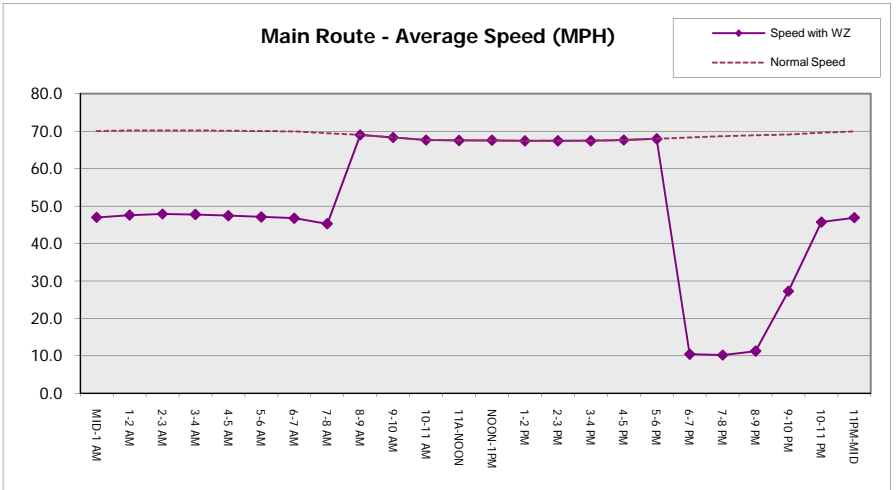
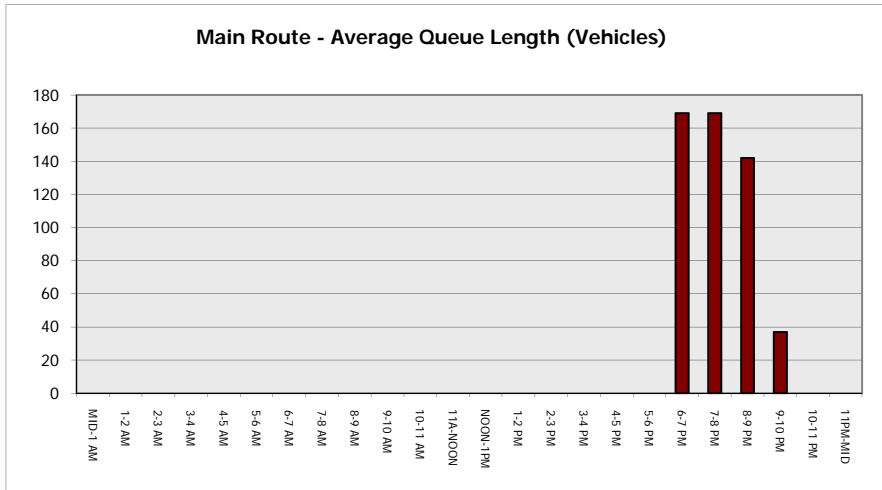
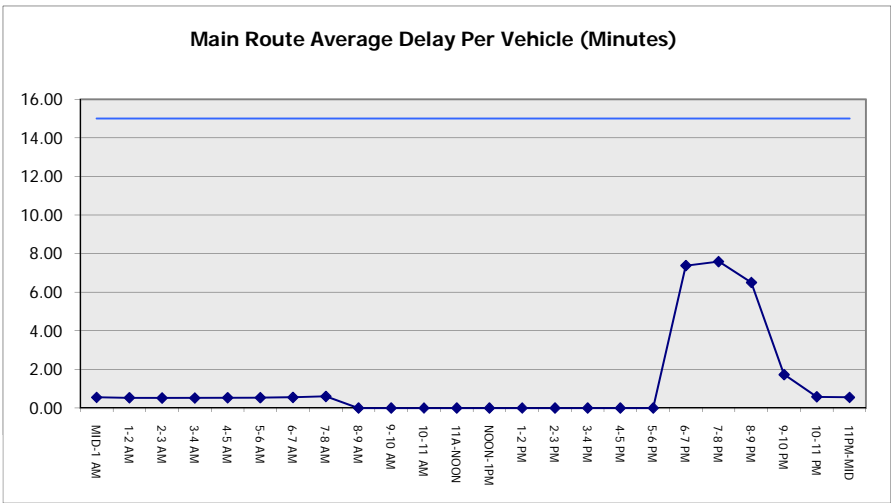
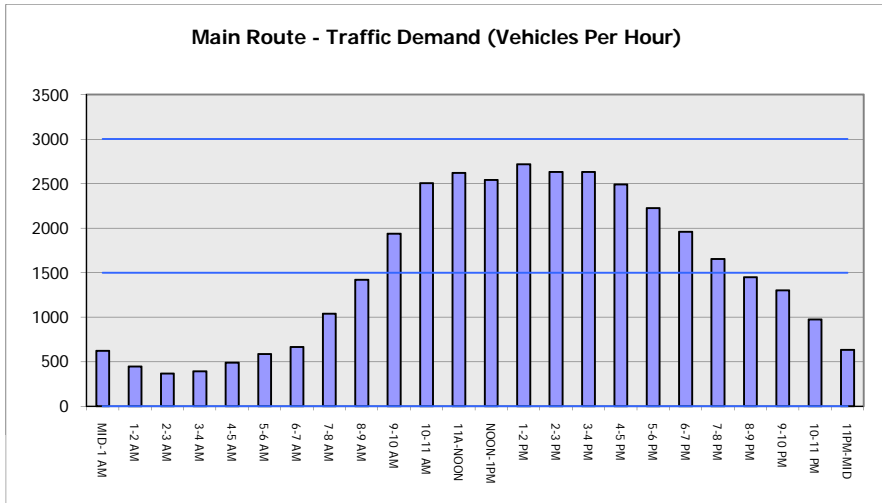
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,490
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
NIGHTTIME 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) NIGHTTIME 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						
	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	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	OFF	2353	0	156	0.04	3	67.8	65.6	65.6	18.9	18.9
9-10 AM	2899	0.0	192	0.0	OFF	2899	0	192	0.00	0	67.1	67.1	67.1	18.7	18.7
10-11 AM	3275	0.0	217	0.0	OFF	3275	0	217	0.00	0	66.7	66.7	66.7	18.5	18.5
11A-NOON	3112	0.0	206	0.0	OFF	3112	0	206	0.00	0	66.9	66.9	66.9	18.6	18.6
NOON-1PM	2861	0.0	189	0.0	OFF	2861	0	189	0.00	0	67.2	67.2	67.2	18.7	18.7
1-2 PM	2561	0.0	170	0.0	OFF	2561	0	170	0.00	0	67.6	67.6	67.6	18.8	18.8
2-3 PM	2410	0.0	160	0.0	OFF	2410	0	160	0.00	0	67.8	67.8	67.8	18.9	18.9
3-4 PM	2328	0.0	155	0.0	OFF	2328	0	155	0.00	0	67.8	67.8	67.8	18.9	18.9
4-5 PM	2046	0.0	135	0.0	OFF	2046	0	135	0.00	0	68.2	68.2	68.2	19.0	19.0
5-6 PM	1952	0.0	130	0.0	OFF	1952	0	130	0.00	0	68.3	68.3	68.3	19.1	19.1
6-7 PM	1671	0.0	110	0.0	1499	1671	0	110	4.57	101	68.7	14.3	30.8	19.2	19.5
7-8 PM	1454	0.0	96	0.0	1499	1436	17	113	6.59	144	68.9	11.1	30.8	19.3	19.8
8-9 PM	1282	0.0	84	0.0	1499	1282	0	84	1.59	33	69.1	28.8	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0078
MAIN ROUTE WITH WORKS	0.0070
DIVERSION	0.0077

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$7,097
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
NIGHTTIME 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

