

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	512	0.0	34	0.0	3000	512	0	34	0.36	0	70.1	53.0	49.7	19.7	19.7
1-2 AM	443	0.0	29	0.0	3000	443	0	29	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	485	0.0	32	0.0	3000	485	0	32	0.36	0	70.1	53.0	49.7	19.7	19.7
3-4 AM	561	0.0	37	0.0	3000	561	0	37	0.36	0	70.0	53.0	49.7	19.6	19.6
4-5 AM	850	0.0	56	0.0	3000	850	0	56	0.35	0	69.7	53.0	49.7	19.5	19.5
5-6 AM	1526	0.0	101	0.0	3000	1526	0	101	0.34	0	68.8	52.8	49.7	19.3	19.3
6-7 AM	1776	0.0	118	0.0	3000	1776	0	118	0.34	0	68.5	52.8	49.7	19.1	19.1
7-8 AM	1922	0.0	128	0.0	3000	1922	0	128	0.34	0	68.4	52.8	49.7	19.1	19.1
8-9 AM	1788	0.0	119	0.0	3000	1788	0	119	0.34	0	68.5	52.8	49.7	19.1	19.1
9-10 AM	1861	0.0	123	0.0	3000	1861	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 AM	2100	0.0	139	0.0	3000	2100	0	139	0.33	0	68.1	52.8	49.7	19.0	19.0
11A-NOON	2358	0.0	156	0.0	3000	2358	0	156	0.33	0	67.8	52.7	49.7	18.9	18.9
NOON-1PM	2526	0.0	168	0.0	2999	2526	0	168	0.42	0	67.6	49.6	46.3	18.8	18.8
1-2 PM	2917	0.0	193	0.0	2999	2917	0	193	0.68	0	67.1	42.4	38.6	18.7	18.7
2-3 PM	3211	0.0	213	0.0	3000	3211	0	213	2.27	97	66.8	23.6	37.3	18.6	18.9
3-4 PM	3203	0.0	212	0.0	2999	3200	3	215	6.35	314	66.8	13.6	37.3	18.6	20.6
4-5 PM	3163	0.0	210	0.0	2999	2984	179	389	8.07	404	66.8	12.2	37.3	18.6	20.1
5-6 PM	2953	0.0	196	0.0	3000	2919	35	230	7.33	364	67.1	12.7	37.3	18.6	20.8
6-7 PM	2549	0.0	169	0.0	2999	2549	0	169	1.89	131	67.6	27.6	42.5	18.8	19.6
7-8 PM	2122	0.0	141	0.0	3000	2122	0	141	0.33	0	68.1	52.7	49.7	19.0	19.0
8-9 PM	1809	0.0	120	0.0	3000	1809	0	120	0.34	0	68.5	52.8	49.7	19.1	19.1
9-10 PM	1390	0.0	92	0.0	3000	1390	0	92	0.34	0	69.0	52.8	49.7	19.3	19.3
10-11 PM	1097	0.0	72	0.0	3000	1097	0	72	0.35	0	69.4	52.9	49.7	19.4	19.4
11PM-MID	677	0.0	44	0.0	3000	677	0	44	0.36	0	69.9	53.0	49.7	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	0.0091
MAIN ROUTE WITH WORKS	0.0061
DIVERSION	0.0095

PIA: Personal Injury Accidents

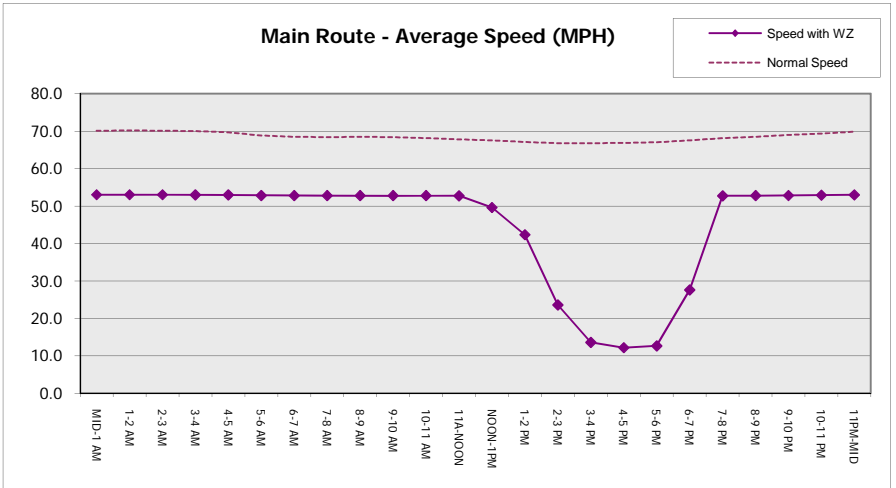
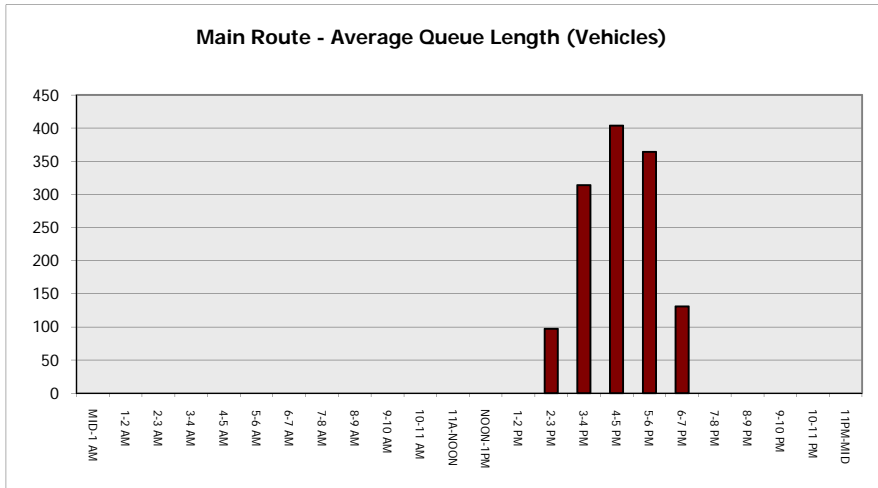
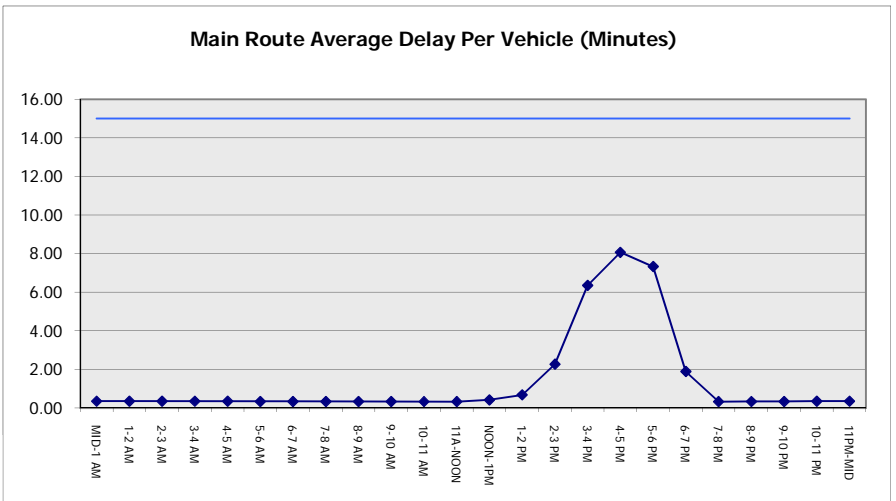
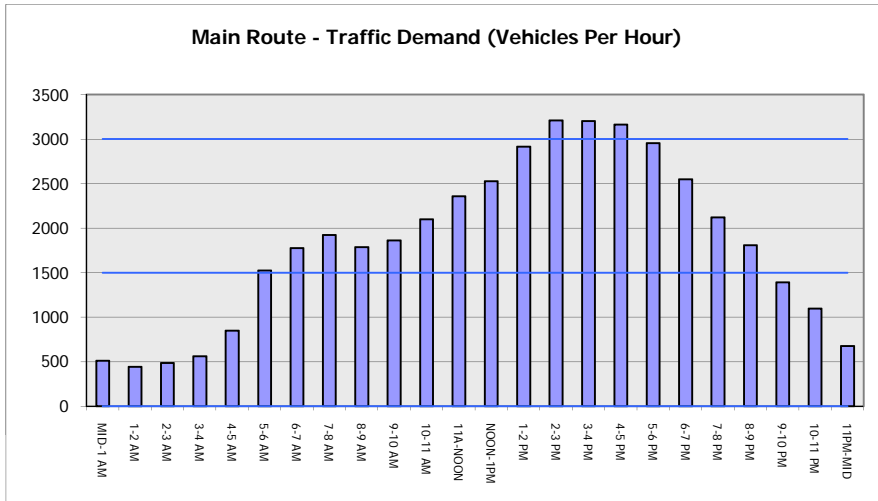
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,508
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	490	0.0	32	0.0	3000	490	0	32	0.36	0	70.1	53.0	49.7	19.7	19.7
1-2 AM	360	0.0	24	0.0	3000	360	0	24	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	281	0.0	18	0.0	3000	281	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	325	0.0	22	0.0	3000	325	0	22	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	399	0.0	26	0.0	3000	399	0	26	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	710	0.0	48	0.0	3000	710	0	48	0.36	0	69.9	53.0	49.7	19.6	19.6
6-7 AM	1096	0.0	72	0.0	3000	1096	0	72	0.35	0	69.4	52.9	49.7	19.4	19.4
7-8 AM	1715	0.0	114	0.0	3000	1715	0	114	0.34	0	68.6	52.8	49.7	19.2	19.2
8-9 AM	1931	0.0	128	0.0	3000	1931	0	128	0.34	0	68.3	52.8	49.7	19.1	19.1
9-10 AM	2439	0.0	161	0.0	3000	2439	0	161	0.36	0	67.7	51.5	48.3	18.9	18.9
10-11 AM	2879	0.0	190	0.0	3000	2879	0	190	0.65	0	67.1	43.0	39.2	18.7	18.7
11A-NOON	2940	0.0	195	0.0	2999	2940	0	195	0.69	0	67.1	42.1	38.2	18.7	18.7
NOON-1PM	2995	0.0	198	0.0	2999	2995	0	198	0.84	8	67.0	38.9	37.9	18.6	18.6
1-2 PM	3535	0.0	235	0.0	3000	3470	65	299	4.98	264	66.3	15.7	37.3	18.4	19.6
2-3 PM	3755	0.0	249	0.0	2999	3060	696	944	10.40	536	65.2	10.9	37.3	18.3	17.1
3-4 PM	3948	0.0	262	0.0	3000	3061	887	1149	11.55	602	63.9	10.4	37.3	18.3	16.1
4-5 PM	3892	0.0	257	0.0	2999	2968	925	1182	11.78	614	64.3	10.4	37.3	18.3	15.9
5-6 PM	3547	0.0	235	0.0	2999	2883	664	898	10.20	524	66.3	11.0	37.3	18.4	17.4
6-7 PM	3260	0.0	216	0.0	3000	2920	340	556	8.68	439	66.7	11.7	37.3	18.5	19.2
7-8 PM	2501	0.0	165	0.0	2999	2497	5	170	2.80	201	67.6	22.7	42.5	18.8	20.0
8-9 PM	1635	0.0	108	0.0	3000	1635	0	108	0.34	0	68.7	52.8	49.7	19.2	19.2
9-10 PM	1292	0.0	85	0.0	3000	1292	0	85	0.35	0	69.1	52.9	49.7	19.3	19.3
10-11 PM	1048	0.0	69	0.0	3000	1048	0	69	0.35	0	69.4	52.9	49.7	19.4	19.4
11PM-MID	784	0.0	52	0.0	3000	784	0	52	0.35	0	69.7	53.0	49.7	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	0.0099
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0206

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$54,866
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

