

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	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	447	0.0	29	0.0	3000	447	0	29	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	315	0.0	21	0.0	3000	315	0	21	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	242	0.0	16	0.0	3000	242	0	16	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	240	0.0	16	0.0	3000	240	0	16	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	247	0.0	16	0.0	3000	247	0	16	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	287	0.0	19	0.0	3000	287	0	19	0.36	0	70.2	53.0	49.7	19.7	19.7
6-7 AM	383	0.0	25	0.0	3000	383	0	25	0.36	0	70.2	53.0	49.7	19.7	19.7
7-8 AM	615	0.0	41	0.0	3000	615	0	41	0.36	0	70.0	53.0	49.7	19.6	19.6
8-9 AM	969	0.0	64	0.0	3000	969	0	64	0.35	0	69.6	52.9	49.7	19.5	19.5
9-10 AM	1440	0.0	95	0.0	3000	1440	0	95	0.34	0	68.9	52.8	49.7	19.3	19.3
10-11 AM	2167	0.0	144	0.0	3000	2167	0	144	0.33	0	68.1	52.7	49.7	19.0	19.0
11A-NOON	2793	0.0	185	0.0	2999	2793	0	185	0.59	0	67.3	44.6	40.8	18.8	18.8
NOON-1PM	3181	0.0	211	0.0	2999	3181	0	211	1.58	59	66.8	28.9	37.3	18.6	18.8
1-2 PM	3788	0.0	251	0.0	3000	3414	374	625	8.53	448	65.0	12.0	37.3	18.3	18.8
2-3 PM	4393	0.0	291	0.0	3000	3256	1137	1428	13.68	729	60.9	9.8	37.3	18.1	14.7
3-4 PM	4682	0.0	310	0.0	2999	3086	1596	1906+	17.10	923	58.9	9.1	37.3	17.9	13.0
4-5 PM	4915	0.0	325	0.0	3000	3000	1915	2240+	17.35	942	57.3	9.1	37.3	17.8	12.9
5-6 PM	4608	0.0	305	0.0	3000	2985	1622	1927+	17.33	934	59.4	9.1	37.3	18.0	12.9
6-7 PM	4048	0.0	268	0.0	2999	2757	1291	1559	15.25	810	63.2	9.5	37.3	18.2	13.8
7-8 PM	3446	0.0	228	0.0	3000	2757	689	917	10.35	534	66.4	11.0	37.3	18.4	17.3
8-9 PM	2836	0.0	188	0.0	3000	2768	69	257	6.84	341	67.2	13.2	37.3	18.7	20.5
9-10 PM	2058	0.0	136	0.0	3000	2058	0	136	0.58	27	68.2	45.4	49.6	19.0	19.1
10-11 PM	1374	0.0	91	0.0	3000	1374	0	91	0.34	0	69.1	52.8	49.7	19.3	19.3
11PM-MID	964	0.0	64	0.0	3000	964	0	64	0.35	0	69.6	52.9	49.7	19.5	19.5

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0104
MAIN ROUTE WITH WORKS	0.0059
DIVERSION	0.0367

PIA: Personal Injury Accidents

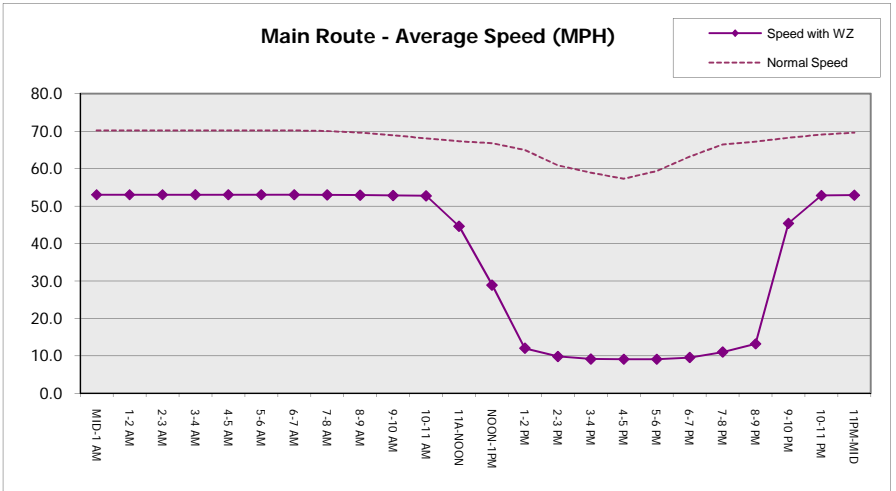
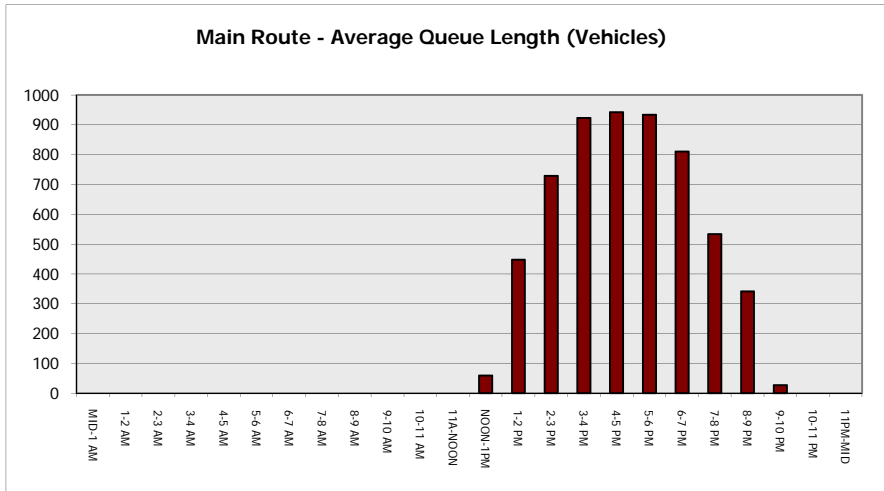
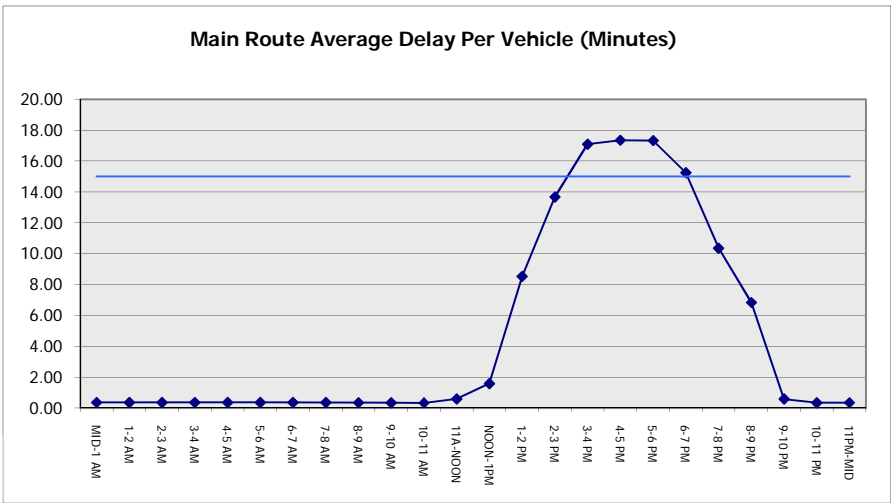
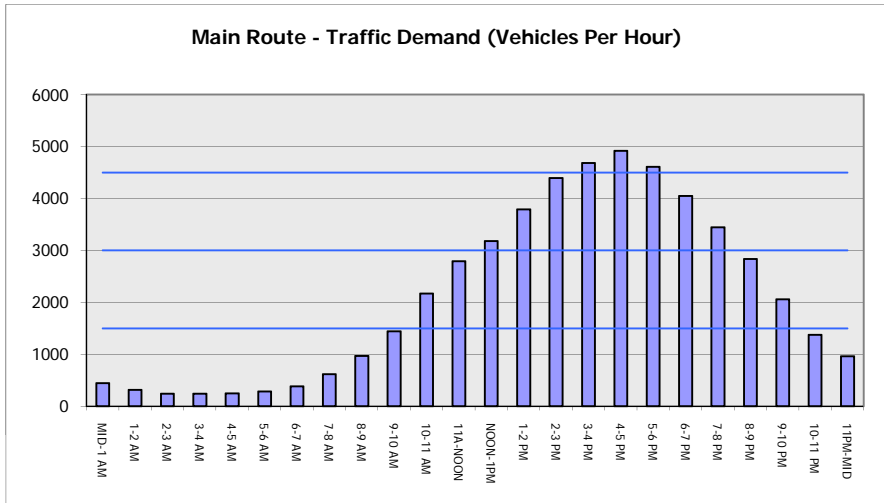
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$136,620
CONGESTED HOURS PER DAY*	4

*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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	435	0.0	29	0.0	3000	435	0	29	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	286	0.0	19	0.0	3000	286	0	19	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	217	0.0	14	0.0	3000	217	0	14	0.36	0	70.2	53.0	49.7	19.8	19.8
3-4 AM	184	0.0	12	0.0	3000	184	0	12	0.36	0	70.2	53.0	49.7	19.8	19.8
4-5 AM	195	0.0	13	0.0	3000	195	0	13	0.36	0	70.2	53.0	49.7	19.8	19.8
5-6 AM	306	0.0	21	0.0	3000	306	0	21	0.36	0	70.2	53.0	49.7	19.7	19.7
6-7 AM	643	0.0	42	0.0	3000	643	0	42	0.36	0	69.9	53.0	49.7	19.6	19.6
7-8 AM	1089	0.0	72	0.0	3000	1089	0	72	0.35	0	69.4	52.9	49.7	19.4	19.4
8-9 AM	1609	0.0	107	0.0	3000	1609	0	107	0.34	0	68.7	52.8	49.7	19.2	19.2
9-10 AM	2372	0.0	157	0.0	2999	2372	0	157	0.38	0	67.8	50.9	47.6	18.9	18.9
10-11 AM	3047	0.0	202	0.0	2999	3047	0	202	0.99	18	66.9	36.1	37.7	18.6	18.6
11A-NOON	3190	0.0	211	0.0	2999	3190	0	211	3.41	155	66.8	18.8	37.3	18.6	19.3
NOON-1PM	3518	0.0	233	0.0	3000	3225	292	526	8.40	428	66.4	12.0	37.3	18.4	19.3
1-2 PM	3447	0.0	228	0.0	2999	2965	482	710	9.30	473	66.4	11.4	37.3	18.4	18.4
2-3 PM	3146	0.0	209	0.0	2999	2933	213	422	8.19	411	66.8	12.0	37.3	18.6	19.9
3-4 PM	3026	0.0	200	0.0	3000	2982	44	243	7.60	378	66.9	12.5	37.3	18.6	20.8
4-5 PM	2916	0.0	193	0.0	2999	2916	0	193	6.94	343	67.1	13.0	37.3	18.7	20.9
5-6 PM	2553	0.0	169	0.0	2999	2553	0	169	1.58	107	67.6	30.1	42.8	18.8	19.4
6-7 PM	2289	0.0	151	0.0	3000	2289	0	151	0.33	0	67.9	52.7	49.7	18.9	18.9
7-8 PM	1929	0.0	128	0.0	3000	1929	0	128	0.34	0	68.3	52.8	49.7	19.1	19.1
8-9 PM	1613	0.0	107	0.0	3000	1613	0	107	0.34	0	68.7	52.8	49.7	19.2	19.2
9-10 PM	1139	0.0	76	0.0	3000	1139	0	76	0.35	0	69.3	52.9	49.7	19.4	19.4
10-11 PM	788	0.0	52	0.0	3000	788	0	52	0.35	0	69.7	53.0	49.7	19.6	19.6
11PM-MID	543	0.0	36	0.0	3000	543	0	36	0.36	0	70.0	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	0.0084
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.0113

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$45,190
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

