

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

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	347	0.0	23	0.0	3000	347	0	23	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	265	0.0	17	0.0	3000	265	0	17	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	228	0.0	15	0.0	3000	228	0	15	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	220	0.0	14	0.0	3000	220	0	14	0.36	0	70.2	53.0	49.7	19.8	19.8
4-5 AM	221	0.0	15	0.0	3000	221	0	15	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	285	0.0	18	0.0	3000	285	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
6-7 AM	373	0.0	25	0.0	3000	373	0	25	0.36	0	70.2	53.0	49.7	19.7	19.7
7-8 AM	529	0.0	35	0.0	3000	529	0	35	0.36	0	70.0	53.0	49.7	19.7	19.7
8-9 AM	827	0.0	55	0.0	3000	827	0	55	0.35	0	69.7	53.0	49.7	19.5	19.5
9-10 AM	1325	0.0	88	0.0	3000	1325	0	88	0.35	0	69.1	52.8	49.7	19.3	19.3
10-11 AM	1878	0.0	124	0.0	3000	1878	0	124	0.34	0	68.4	52.8	49.7	19.1	19.1
11A-NOON	2452	0.0	162	0.0	3000	2452	0	162	0.37	0	67.7	51.2	48.0	18.9	18.9
NOON-1PM	2742	0.0	182	0.0	2999	2742	0	182	0.56	0	67.3	45.4	41.7	18.8	18.8
1-2 PM	3149	0.0	209	0.0	2999	3149	0	209	1.44	48	66.8	30.2	37.3	18.6	18.6
2-3 PM	3581	0.0	237	0.0	3000	3367	214	451	7.10	366	66.3	13.0	37.3	18.4	19.4
3-4 PM	3990	0.0	264	0.0	2999	3134	856	1120	11.37	593	63.6	10.5	37.3	18.3	16.3
4-5 PM	4122	0.0	273	0.0	2999	3046	1076	1350	12.94	681	62.7	10.0	37.3	18.2	15.1
5-6 PM	3930	0.0	261	0.0	2999	2909	1021	1282	12.48	653	64.0	10.2	37.3	18.3	15.4
6-7 PM	3455	0.0	229	0.0	2999	2844	610	840	9.92	509	66.4	11.1	37.3	18.4	17.7
7-8 PM	3176	0.0	211	0.0	3000	2935	241	452	8.29	417	66.8	12.0	37.3	18.6	19.7
8-9 PM	2591	0.0	172	0.0	2999	2591	0	172	3.75	220	67.5	18.8	40.6	18.8	20.1
9-10 PM	1863	0.0	123	0.0	3000	1863	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 PM	1234	0.0	82	0.0	3000	1234	0	82	0.35	0	69.2	52.9	49.7	19.4	19.4
11PM-MID	727	0.0	49	0.0	3000	727	0	49	0.35	0	69.8	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	0.0090
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.0211

PIA: Personal Injury Accidents

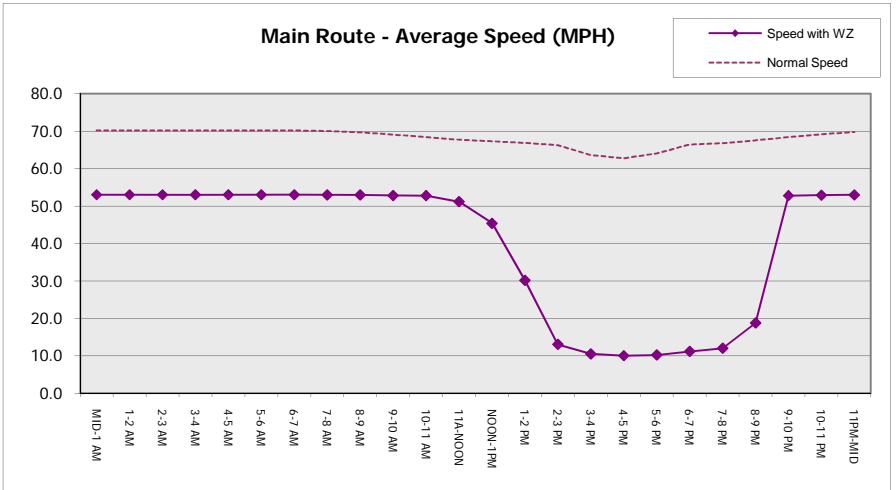
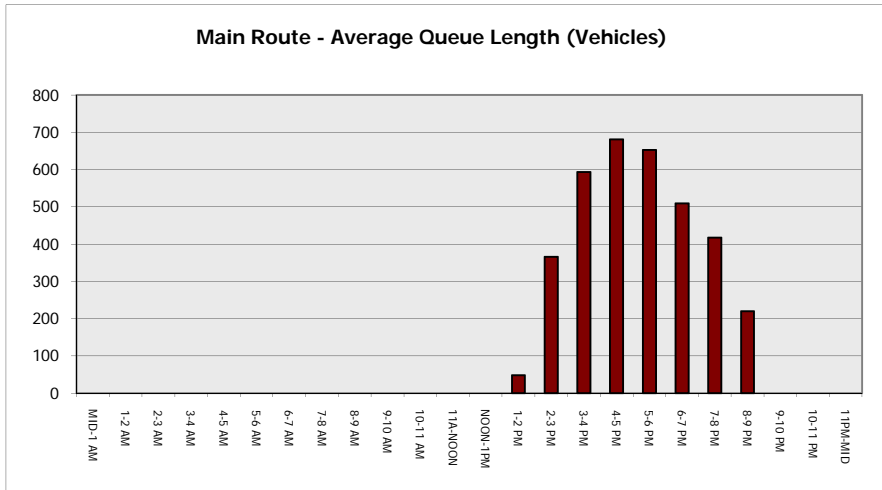
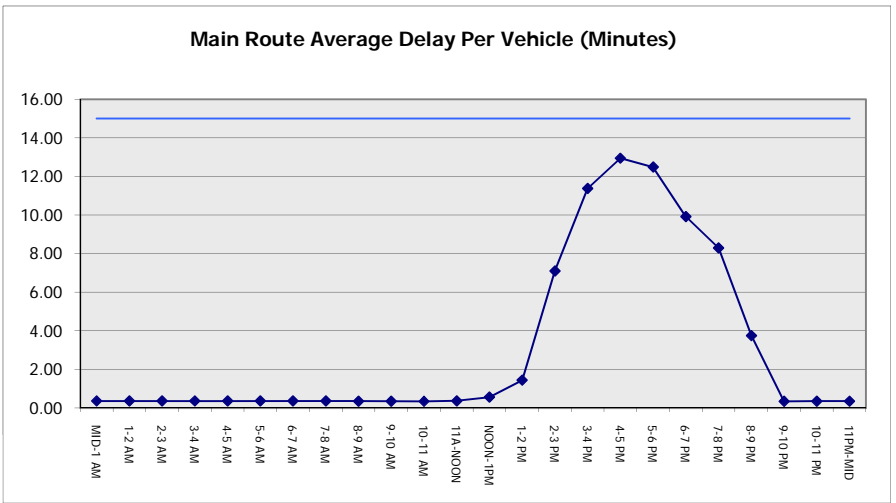
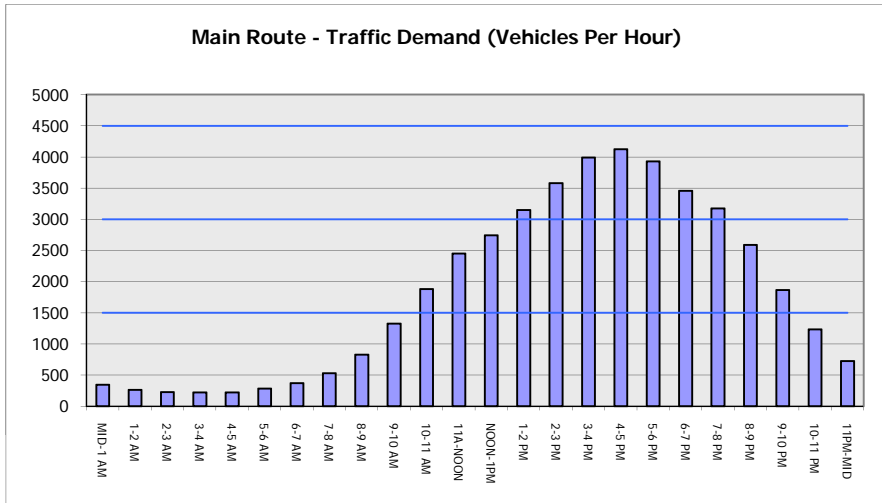
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$73,854
CONGESTED HOURS PER DAY*	0

*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
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	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	401	0.0	27	0.0	3000	401	0	27	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	250	0.0	16	0.0	3000	250	0	16	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	209	0.0	14	0.0	3000	209	0	14	0.36	0	70.2	53.0	49.7	19.8	19.8
3-4 AM	172	0.0	12	0.0	3000	172	0	12	0.36	0	70.2	53.0	49.7	19.8	19.8
4-5 AM	215	0.0	14	0.0	3000	215	0	14	0.36	0	70.2	53.0	49.7	19.8	19.8
5-6 AM	296	0.0	19	0.0	3000	296	0	19	0.36	0	70.2	53.0	49.7	19.7	19.7
6-7 AM	514	0.0	34	0.0	3000	514	0	34	0.36	0	70.1	53.0	49.7	19.7	19.7
7-8 AM	830	0.0	55	0.0	3000	830	0	55	0.35	0	69.7	53.0	49.7	19.5	19.5
8-9 AM	1252	0.0	83	0.0	3000	1252	0	83	0.35	0	69.2	52.9	49.7	19.4	19.4
9-10 AM	1923	0.0	128	0.0	3000	1923	0	128	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 AM	2562	0.0	170	0.0	3000	2562	0	170	0.44	0	67.6	48.8	45.3	18.8	18.8
11A-NOON	2925	0.0	193	0.0	2999	2925	0	193	0.68	0	67.1	42.4	38.4	18.7	18.7
NOON-1PM	3011	0.0	199	0.0	2999	3011	0	199	0.79	3	67.0	40.0	37.3	18.6	18.6
1-2 PM	3053	0.0	202	0.0	3000	3053	0	202	1.42	39	66.9	30.2	37.3	18.6	18.6
2-3 PM	3037	0.0	201	0.0	2999	3037	0	201	2.30	87	66.9	23.0	37.3	18.6	18.8
3-4 PM	2993	0.0	198	0.0	2999	2993	0	198	2.60	103	67.0	21.5	37.3	18.6	18.9
4-5 PM	2924	0.0	193	0.0	3000	2924	0	193	1.95	70	67.1	25.3	37.6	18.7	18.8
5-6 PM	2592	0.0	172	0.0	3000	2592	0	172	0.47	0	67.5	48.0	44.8	18.8	18.8
6-7 PM	2083	0.0	138	0.0	3000	2083	0	138	0.33	0	68.1	52.8	49.7	19.0	19.0
7-8 PM	1813	0.0	120	0.0	3000	1813	0	120	0.34	0	68.5	52.8	49.7	19.1	19.1
8-9 PM	1229	0.0	81	0.0	3000	1229	0	81	0.35	0	69.2	52.9	49.7	19.4	19.4
9-10 PM	917	0.0	61	0.0	3000	917	0	61	0.35	0	69.6	53.0	49.7	19.5	19.5
10-11 PM	690	0.0	45	0.0	3000	690	0	45	0.36	0	69.9	53.0	49.7	19.6	19.6
11PM-MID	453	0.0	30	0.0	3000	453	0	30	0.36	0	70.2	53.0	49.7	19.7	19.7

----- 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	0.0051
DIVERSION	0.0073

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$10,495
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

SUNDAY EASTBOUND DIRECTION

