

<b>IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12</b>	<b>AUGUST</b>
	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	3000	621	0	41	0.36	0	70.0	53.0	49.7	19.6	19.6
1-2 AM	445	0.0	29	0.0	3000	445	0	29	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	368	0.0	25	0.0	3000	368	0	25	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	394	0.0	26	0.0	3000	394	0	26	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	489	0.0	32	0.0	3000	489	0	32	0.36	0	70.1	53.0	49.7	19.7	19.7
5-6 AM	585	0.0	39	0.0	3000	585	0	39	0.36	0	70.0	53.0	49.7	19.6	19.6
6-7 AM	667	0.0	44	0.0	3000	667	0	44	0.36	0	69.9	53.0	49.7	19.6	19.6
7-8 AM	1039	0.0	69	0.0	3000	1039	0	69	0.35	0	69.4	52.9	49.7	19.4	19.4
8-9 AM	1419	0.0	94	0.0	3000	1419	0	94	0.34	0	69.0	52.8	49.7	19.3	19.3
9-10 AM	1939	0.0	129	0.0	3000	1939	0	129	0.34	0	68.3	52.8	49.7	19.1	19.1
10-11 AM	2504	0.0	165	0.0	3000	2504	0	165	0.40	0	67.6	50.1	46.7	18.8	18.8
11A-NOON	2622	0.0	174	0.0	3000	2622	0	174	0.48	0	67.5	47.6	44.0	18.8	18.8
NOON-1PM	2542	0.0	169	0.0	3000	2542	0	169	0.43	0	67.6	49.2	45.8	18.8	18.8
1-2 PM	2716	0.0	179	0.0	3000	2716	0	179	0.54	0	67.4	45.8	42.2	18.8	18.8
2-3 PM	2633	0.0	174	0.0	3000	2633	0	174	0.49	0	67.4	47.4	43.8	18.8	18.8
3-4 PM	2631	0.0	174	0.0	3000	2631	0	174	0.49	0	67.4	47.4	43.8	18.8	18.8
4-5 PM	2490	0.0	165	0.0	3000	2490	0	165	0.40	0	67.6	50.4	47.1	18.8	18.8
5-6 PM	2226	0.0	147	0.0	3000	2226	0	147	0.33	0	67.9	52.7	49.7	18.9	18.9
6-7 PM	1958	0.0	130	0.0	3000	1958	0	130	0.34	0	68.3	52.8	49.7	19.1	19.1
7-8 PM	1654	0.0	109	0.0	3000	1654	0	109	0.34	0	68.7	52.8	49.7	19.2	19.2
8-9 PM	1448	0.0	96	0.0	3000	1448	0	96	0.34	0	68.9	52.8	49.7	19.3	19.3
9-10 PM	1300	0.0	86	0.0	3000	1300	0	86	0.35	0	69.1	52.9	49.7	19.3	19.3
10-11 PM	973	0.0	65	0.0	3000	973	0	65	0.35	0	69.6	52.9	49.7	19.5	19.5
11PM-MID	634	0.0	42	0.0	3000	634	0	42	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 (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	0.0075
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.0073

PIA: Personal Injury Accidents

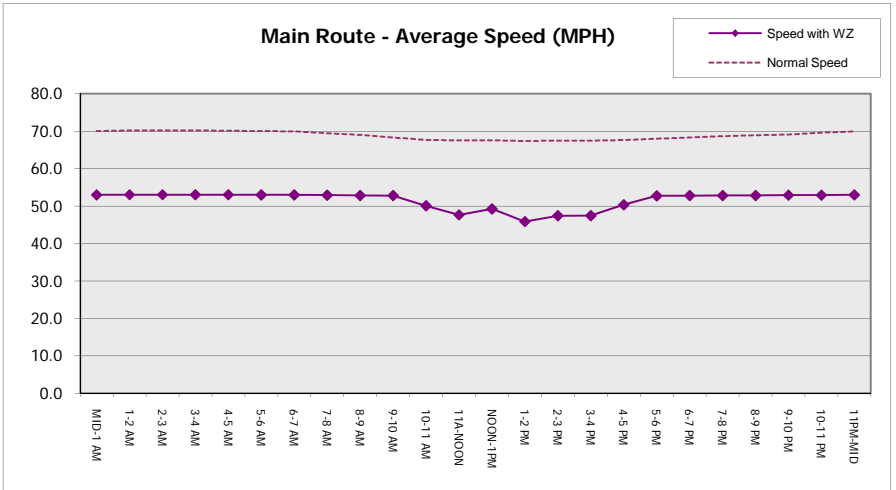
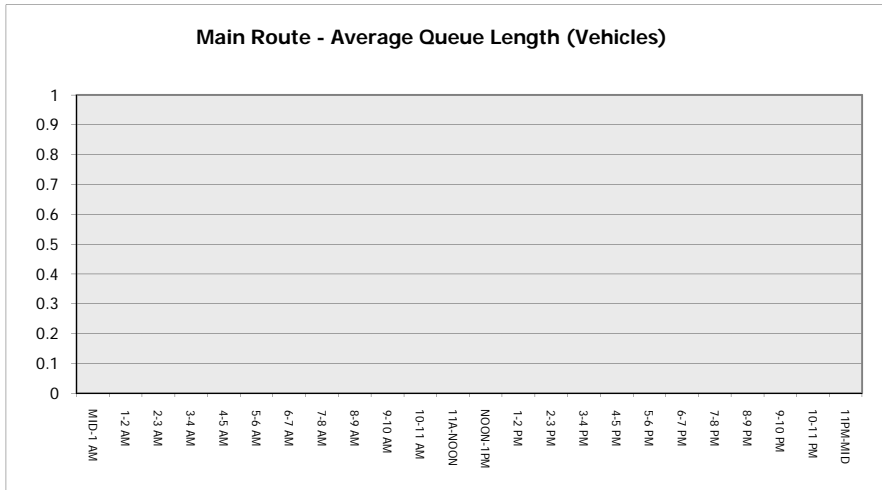
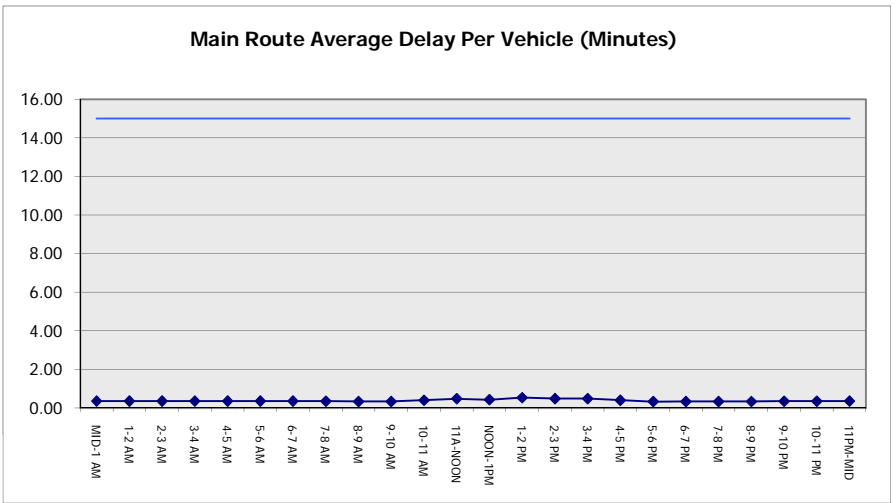
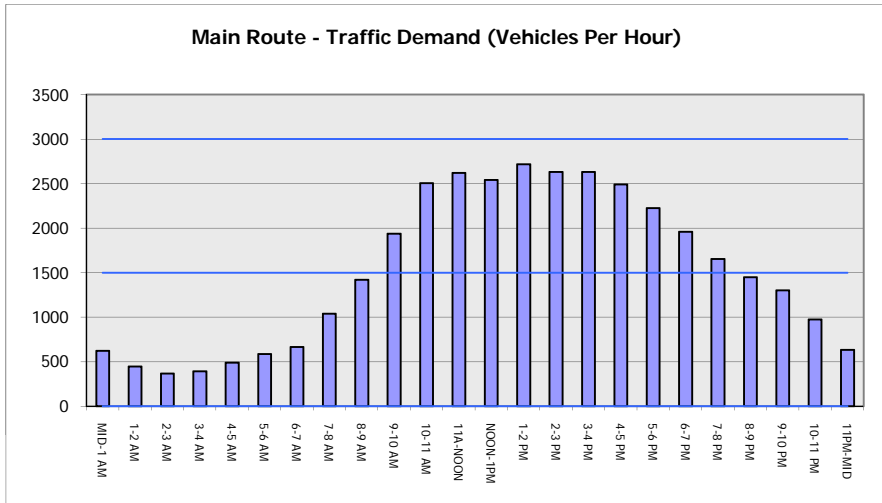
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,079
CONGESTED HOURS PER DAY*	0

\*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**  
**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12</b>	<b>AUGUST</b>
	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	3000	639	0	42	0.36	0	69.9	53.0	49.7	19.6	19.6
1-2 AM	379	0.0	25	0.0	3000	379	0	25	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	313	0.0	21	0.0	3000	313	0	21	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	284	0.0	18	0.0	3000	284	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	354	0.0	24	0.0	3000	354	0	24	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	529	0.0	35	0.0	3000	529	0	35	0.36	0	70.0	53.0	49.7	19.7	19.7
6-7 AM	974	0.0	65	0.0	3000	974	0	65	0.35	0	69.6	52.9	49.7	19.5	19.5
7-8 AM	1649	0.0	109	0.0	3000	1649	0	109	0.34	0	68.7	52.8	49.7	19.2	19.2
8-9 AM	2353	0.0	156	0.0	2999	2353	0	156	0.37	0	67.8	51.4	48.1	18.9	18.9
9-10 AM	2899	0.0	192	0.0	2999	2899	0	192	0.68	1	67.1	42.2	39.1	18.7	18.7
10-11 AM	3275	0.0	217	0.0	3000	3275	0	217	2.92	137	66.7	20.6	37.3	18.5	19.1
11A-NOON	3112	0.0	206	0.0	2999	3101	11	218	7.03	348	66.9	12.9	37.3	18.6	20.8
NOON-1PM	2861	0.0	189	0.0	2999	2857	4	193	6.61	326	67.2	13.4	37.3	18.7	20.7
1-2 PM	2561	0.0	170	0.0	2999	2561	0	170	1.23	74	67.6	33.7	43.3	18.8	19.1
2-3 PM	2410	0.0	160	0.0	3000	2410	0	160	0.34	0	67.8	52.2	49.1	18.9	18.9
3-4 PM	2328	0.0	155	0.0	3000	2328	0	155	0.33	0	67.8	52.7	49.7	18.9	18.9
4-5 PM	2046	0.0	135	0.0	3000	2046	0	135	0.33	0	68.2	52.8	49.7	19.0	19.0
5-6 PM	1952	0.0	130	0.0	3000	1952	0	130	0.34	0	68.3	52.8	49.7	19.1	19.1
6-7 PM	1671	0.0	110	0.0	3000	1671	0	110	0.34	0	68.7	52.8	49.7	19.2	19.2
7-8 PM	1454	0.0	96	0.0	3000	1454	0	96	0.34	0	68.9	52.8	49.7	19.3	19.3
8-9 PM	1282	0.0	84	0.0	3000	1282	0	84	0.35	0	69.1	52.9	49.7	19.4	19.4
9-10 PM	1081	0.0	71	0.0	3000	1081	0	71	0.35	0	69.4	52.9	49.7	19.4	19.4
10-11 PM	856	0.0	56	0.0	3000	856	0	56	0.35	0	69.7	53.0	49.7	19.5	19.5
11PM-MID	640	0.0	42	0.0	3000	640	0	42	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	0.0078
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0077

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$17,663
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12**

**AUGUST**  
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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

