

<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>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	430	0.0	28	0.0	3000	430	0	28	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	372	0.0	25	0.0	3000	372	0	25	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	397	0.0	26	0.0	3000	397	0	26	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	568	0.0	38	0.0	3000	568	0	38	0.36	0	70.0	53.0	49.7	19.6	19.6
4-5 AM	1046	0.0	69	0.0	3000	1046	0	69	0.35	0	69.4	52.9	49.7	19.4	19.4
5-6 AM	1738	0.0	115	0.0	3000	1738	0	115	0.34	0	68.6	52.8	49.7	19.2	19.2
6-7 AM	1900	0.0	125	0.0	3000	1900	0	125	0.34	0	68.4	52.8	49.7	19.1	19.1
7-8 AM	1866	0.0	123	0.0	3000	1866	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
8-9 AM	1675	0.0	111	0.0	3000	1675	0	111	0.34	0	68.7	52.8	49.7	19.2	19.2
9-10 AM	1686	0.0	111	0.0	3000	1686	0	111	0.34	0	68.6	52.8	49.7	19.2	19.2
10-11 AM	1750	0.0	116	0.0	3000	1750	0	116	0.34	0	68.6	52.8	49.7	19.1	19.1
11A-NOON	1818	0.0	120	0.0	3000	1818	0	120	0.34	0	68.5	52.8	49.7	19.1	19.1
NOON-1PM	1920	0.0	128	0.0	3000	1920	0	128	0.34	0	68.4	52.8	49.7	19.1	19.1
1-2 PM	2100	0.0	140	0.0	3000	2100	0	140	0.33	0	68.1	52.8	49.7	19.0	19.0
2-3 PM	2181	0.0	145	0.0	3000	2181	0	145	0.33	0	68.0	52.7	49.7	19.0	19.0
3-4 PM	2329	0.0	155	0.0	3000	2329	0	155	0.33	0	67.8	52.7	49.7	18.9	18.9
4-5 PM	2353	0.0	156	0.0	3000	2353	0	156	0.33	0	67.8	52.7	49.7	18.9	18.9
5-6 PM	2026	0.0	134	0.0	3000	2026	0	134	0.33	0	68.2	52.8	49.7	19.1	19.1
6-7 PM	1737	0.0	115	0.0	3000	1737	0	115	0.34	0	68.6	52.8	49.7	19.2	19.2
7-8 PM	1490	0.0	98	0.0	3000	1490	0	98	0.34	0	68.9	52.8	49.7	19.3	19.3
8-9 PM	1307	0.0	87	0.0	3000	1307	0	87	0.35	0	69.1	52.9	49.7	19.3	19.3
9-10 PM	1049	0.0	69	0.0	3000	1049	0	69	0.35	0	69.4	52.9	49.7	19.4	19.4
10-11 PM	789	0.0	52	0.0	3000	789	0	52	0.35	0	69.7	53.0	49.7	19.6	19.6
11PM-MID	520	0.0	35	0.0	3000	520	0	35	0.36	0	70.1	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	0.0072
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0071

PIA: Personal Injury Accidents

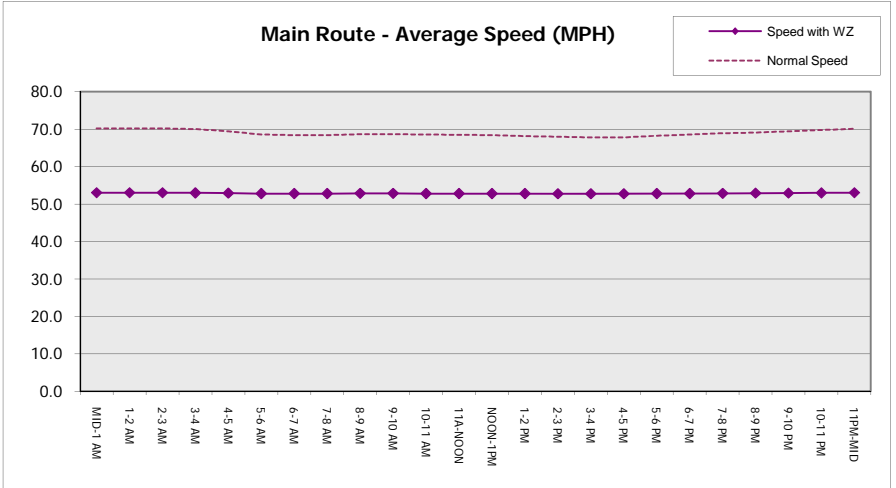
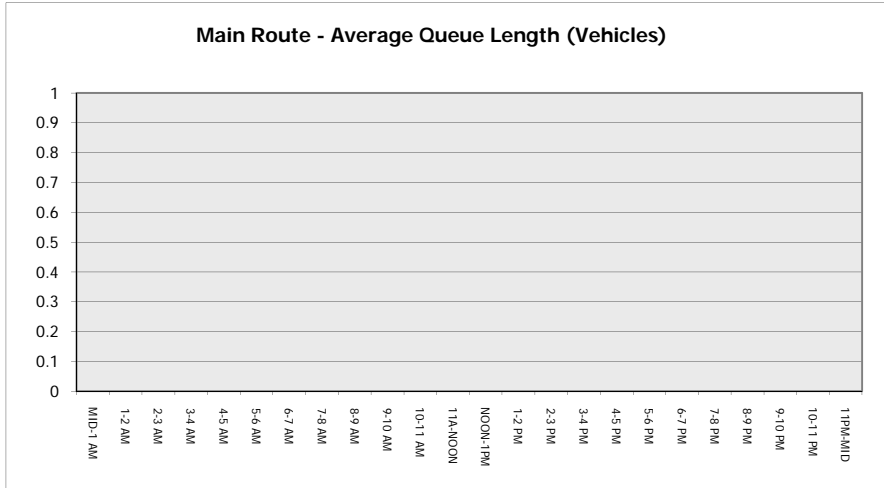
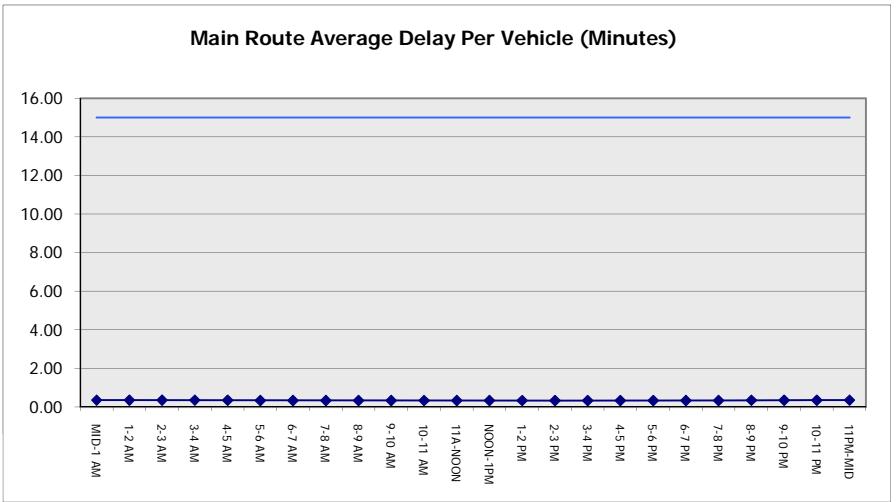
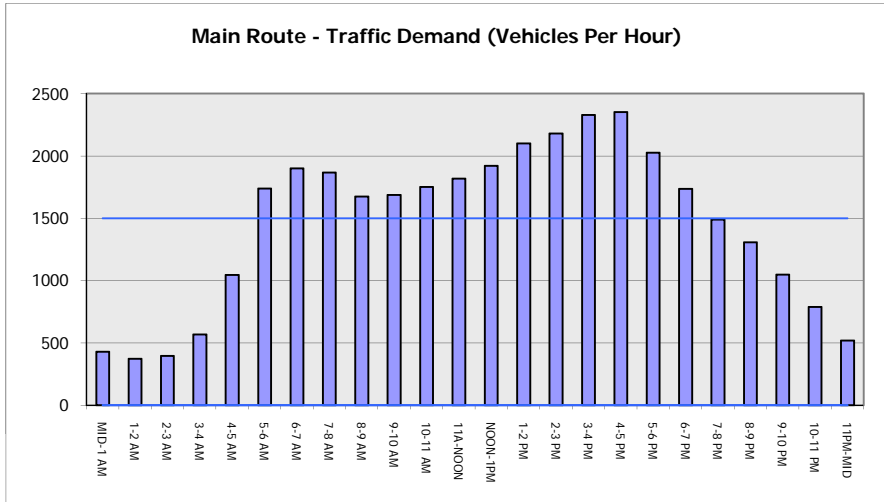
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,281
CONGESTED HOURS PER DAY*	0

\*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**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>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</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR 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	398	0.0	26	0.0	3000	398	0	26	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	284	0.0	18	0.0	3000	284	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	248	0.0	16	0.0	3000	248	0	16	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	286	0.0	19	0.0	3000	286	0	19	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	429	0.0	28	0.0	3000	429	0	28	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	747	0.0	50	0.0	3000	747	0	50	0.35	0	69.8	53.0	49.7	19.6	19.6
6-7 AM	1256	0.0	83	0.0	3000	1256	0	83	0.35	0	69.2	52.9	49.7	19.4	19.4
7-8 AM	1481	0.0	98	0.0	3000	1481	0	98	0.34	0	68.9	52.8	49.7	19.3	19.3
8-9 AM	1642	0.0	109	0.0	3000	1642	0	109	0.34	0	68.7	52.8	49.7	19.2	19.2
9-10 AM	1943	0.0	129	0.0	3000	1943	0	129	0.34	0	68.3	52.8	49.7	19.1	19.1
10-11 AM	2032	0.0	134	0.0	3000	2032	0	134	0.33	0	68.2	52.8	49.7	19.1	19.1
11A-NOON	2020	0.0	134	0.0	3000	2020	0	134	0.33	0	68.2	52.8	49.7	19.1	19.1
NOON-1PM	2043	0.0	135	0.0	3000	2043	0	135	0.33	0	68.2	52.8	49.7	19.0	19.0
1-2 PM	2157	0.0	143	0.0	3000	2157	0	143	0.33	0	68.1	52.7	49.7	19.0	19.0
2-3 PM	2343	0.0	156	0.0	3000	2343	0	156	0.33	0	67.8	52.7	49.7	18.9	18.9
3-4 PM	2634	0.0	174	0.0	3000	2634	0	174	0.49	0	67.4	47.4	43.8	18.8	18.8
4-5 PM	2475	0.0	164	0.0	3000	2475	0	164	0.39	0	67.7	50.7	47.4	18.9	18.9
5-6 PM	2074	0.0	137	0.0	3000	2074	0	137	0.33	0	68.2	52.8	49.7	19.0	19.0
6-7 PM	1807	0.0	120	0.0	3000	1807	0	120	0.34	0	68.5	52.8	49.7	19.1	19.1
7-8 PM	1493	0.0	98	0.0	3000	1493	0	98	0.34	0	68.9	52.8	49.7	19.3	19.3
8-9 PM	1169	0.0	78	0.0	3000	1169	0	78	0.35	0	69.3	52.9	49.7	19.4	19.4
9-10 PM	1002	0.0	66	0.0	3000	1002	0	66	0.35	0	69.5	52.9	49.7	19.4	19.4
10-11 PM	802	0.0	53	0.0	3000	802	0	53	0.35	0	69.7	53.0	49.7	19.6	19.6
11PM-MID	513	0.0	34	0.0	3000	513	0	34	0.36	0	70.1	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	0.0069
MAIN ROUTE WITH WORKS	0.0047
DIVERSION	0.0067

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,263
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**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**MON-THUR EASTBOUND DIRECTION**

