

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

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	414	0.0	27	0.0	3000	414	0	27	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	383	0.0	25	0.0	3000	383	0	25	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	411	0.0	27	0.0	3000	411	0	27	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	548	0.0	37	0.0	3000	548	0	37	0.36	0	70.0	53.0	49.7	19.6	19.6
4-5 AM	991	0.0	66	0.0	3000	991	0	66	0.35	0	69.5	52.9	49.7	19.4	19.4
5-6 AM	1725	0.0	115	0.0	3000	1725	0	115	0.34	0	68.6	52.8	49.7	19.2	19.2
6-7 AM	1955	0.0	130	0.0	3000	1955	0	130	0.34	0	68.3	52.8	49.7	19.1	19.1
7-8 AM	1869	0.0	124	0.0	3000	1869	0	124	0.34	0	68.4	52.8	49.7	19.1	19.1
8-9 AM	1714	0.0	114	0.0	3000	1714	0	114	0.34	0	68.6	52.8	49.7	19.2	19.2
9-10 AM	1616	0.0	107	0.0	3000	1616	0	107	0.34	0	68.7	52.8	49.7	19.2	19.2
10-11 AM	1667	0.0	110	0.0	3000	1667	0	110	0.34	0	68.7	52.8	49.7	19.2	19.2
11A-NOON	1727	0.0	115	0.0	3000	1727	0	115	0.34	0	68.6	52.8	49.7	19.2	19.2
NOON-1PM	1762	0.0	117	0.0	3000	1762	0	117	0.34	0	68.6	52.8	49.7	19.1	19.1
1-2 PM	1937	0.0	129	0.0	3000	1937	0	129	0.34	0	68.3	52.8	49.7	19.1	19.1
2-3 PM	1969	0.0	131	0.0	3000	1969	0	131	0.34	0	68.3	52.8	49.7	19.1	19.1
3-4 PM	2089	0.0	138	0.0	3000	2089	0	138	0.33	0	68.1	52.8	49.7	19.0	19.0
4-5 PM	2102	0.0	139	0.0	3000	2102	0	139	0.33	0	68.1	52.8	49.7	19.0	19.0
5-6 PM	1945	0.0	129	0.0	3000	1945	0	129	0.34	0	68.3	52.8	49.7	19.1	19.1
6-7 PM	1619	0.0	107	0.0	3000	1619	0	107	0.34	0	68.7	52.8	49.7	19.2	19.2
7-8 PM	1331	0.0	89	0.0	3000	1331	0	89	0.35	0	69.1	52.8	49.7	19.3	19.3
8-9 PM	1108	0.0	74	0.0	3000	1108	0	74	0.35	0	69.4	52.9	49.7	19.4	19.4
9-10 PM	943	0.0	63	0.0	3000	943	0	63	0.35	0	69.6	52.9	49.7	19.5	19.5
10-11 PM	703	0.0	46	0.0	3000	703	0	46	0.36	0	69.9	53.0	49.7	19.6	19.6
11PM-MID	493	0.0	32	0.0	3000	493	0	32	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	0.0068
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0067

PIA: Personal Injury Accidents

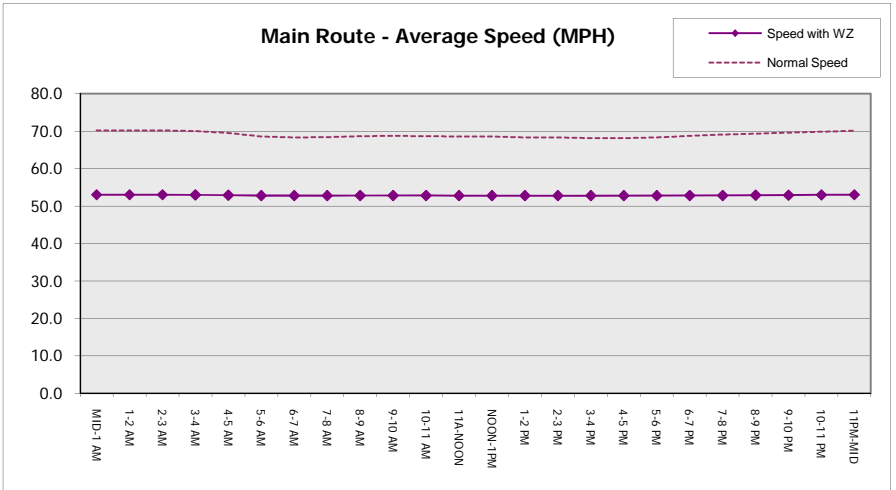
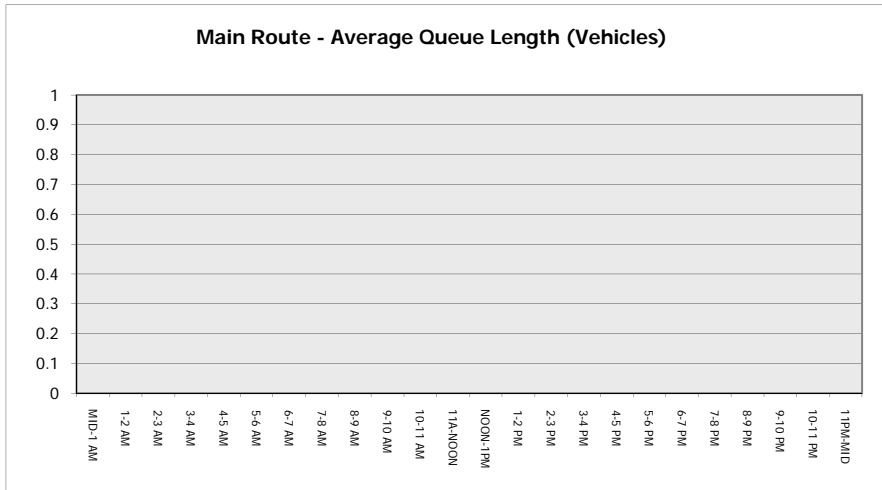
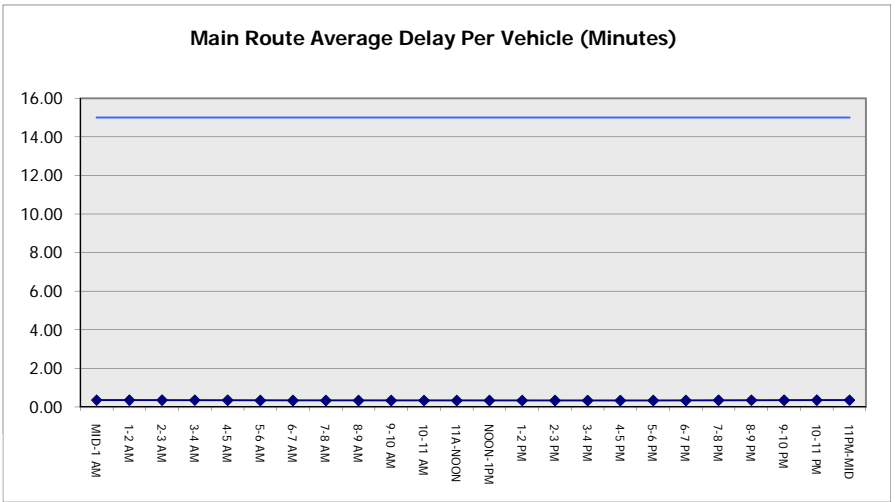
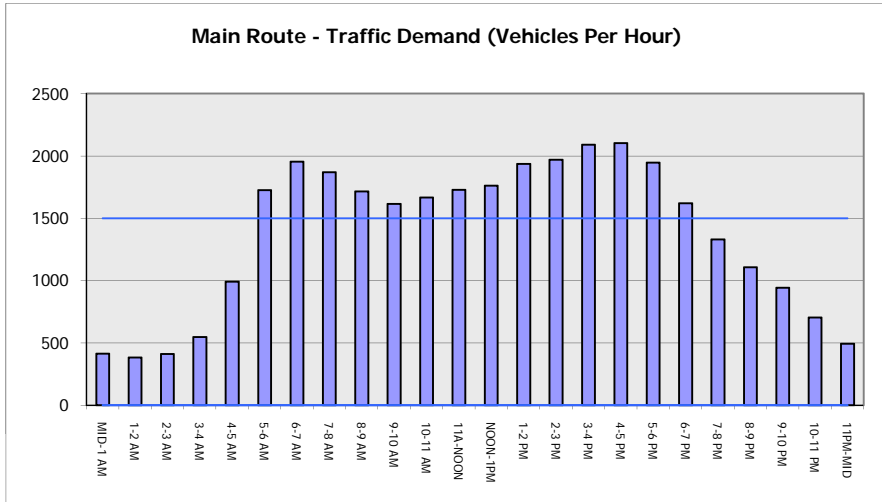
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,155
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

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	422	0.0	28	0.0	3000	422	0	28	0.36	0	70.2	53.0	49.7	19.7	19.7
1-2 AM	285	0.0	18	0.0	3000	285	0	18	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	255	0.0	17	0.0	3000	255	0	17	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	291	0.0	19	0.0	3000	291	0	19	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	412	0.0	27	0.0	3000	412	0	27	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	706	0.0	46	0.0	3000	706	0	46	0.36	0	69.9	53.0	49.7	19.6	19.6
6-7 AM	1200	0.0	80	0.0	3000	1200	0	80	0.35	0	69.2	52.9	49.7	19.4	19.4
7-8 AM	1575	0.0	104	0.0	3000	1575	0	104	0.34	0	68.7	52.8	49.7	19.3	19.3
8-9 AM	1650	0.0	109	0.0	3000	1650	0	109	0.34	0	68.7	52.8	49.7	19.2	19.2
9-10 AM	1892	0.0	125	0.0	3000	1892	0	125	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 AM	2017	0.0	134	0.0	3000	2017	0	134	0.33	0	68.2	52.8	49.7	19.1	19.1
11A-NOON	1978	0.0	131	0.0	3000	1978	0	131	0.34	0	68.2	52.8	49.7	19.1	19.1
NOON-1PM	1957	0.0	130	0.0	3000	1957	0	130	0.34	0	68.3	52.8	49.7	19.1	19.1
1-2 PM	2092	0.0	138	0.0	3000	2092	0	138	0.33	0	68.1	52.8	49.7	19.0	19.0
2-3 PM	2296	0.0	152	0.0	3000	2296	0	152	0.33	0	67.9	52.7	49.7	18.9	18.9
3-4 PM	2545	0.0	169	0.0	3000	2545	0	169	0.43	0	67.6	49.2	45.8	18.8	18.8
4-5 PM	2504	0.0	165	0.0	3000	2504	0	165	0.40	0	67.6	50.1	46.7	18.8	18.8
5-6 PM	2052	0.0	136	0.0	3000	2052	0	136	0.33	0	68.2	52.8	49.7	19.0	19.0
6-7 PM	1765	0.0	117	0.0	3000	1765	0	117	0.34	0	68.6	52.8	49.7	19.1	19.1
7-8 PM	1351	0.0	90	0.0	3000	1351	0	90	0.35	0	69.1	52.8	49.7	19.3	19.3
8-9 PM	1121	0.0	75	0.0	3000	1121	0	75	0.35	0	69.4	52.9	49.7	19.4	19.4
9-10 PM	990	0.0	66	0.0	3000	990	0	66	0.35	0	69.5	52.9	49.7	19.4	19.4
10-11 PM	819	0.0	54	0.0	3000	819	0	54	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	0.0068
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0066

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,201
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12

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MON-THUR EASTBOUND DIRECTION

