

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

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	517	0.0	35	0.0	3000	517	0	35	0.36	0	70.1	53.0	49.7	19.7	19.7
1-2 AM	386	0.0	26	0.0	3000	386	0	26	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	352	0.0	24	0.0	3000	352	0	24	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	348	0.0	23	0.0	3000	348	0	23	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	423	0.0	28	0.0	3000	423	0	28	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	554	0.0	37	0.0	3000	554	0	37	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	991	0.0	66	0.0	3000	991	0	66	0.35	0	69.5	52.9	49.7	19.4	19.4
8-9 AM	1348	0.0	90	0.0	3000	1348	0	90	0.35	0	69.1	52.8	49.7	19.3	19.3
9-10 AM	1874	0.0	124	0.0	3000	1874	0	124	0.34	0	68.4	52.8	49.7	19.1	19.1
10-11 AM	2236	0.0	148	0.0	3000	2236	0	148	0.33	0	67.9	52.7	49.7	18.9	18.9
11A-NOON	2346	0.0	156	0.0	3000	2346	0	156	0.33	0	67.8	52.7	49.7	18.9	18.9
NOON-1PM	2190	0.0	145	0.0	3000	2190	0	145	0.33	0	68.0	52.7	49.7	19.0	19.0
1-2 PM	2127	0.0	141	0.0	3000	2127	0	141	0.33	0	68.1	52.7	49.7	19.0	19.0
2-3 PM	2215	0.0	147	0.0	3000	2215	0	147	0.33	0	68.0	52.7	49.7	18.9	18.9
3-4 PM	2242	0.0	148	0.0	3000	2242	0	148	0.33	0	67.9	52.7	49.7	18.9	18.9
4-5 PM	2316	0.0	153	0.0	3000	2316	0	153	0.33	0	67.9	52.7	49.7	18.9	18.9
5-6 PM	2058	0.0	136	0.0	3000	2058	0	136	0.33	0	68.2	52.8	49.7	19.0	19.0
6-7 PM	1757	0.0	117	0.0	3000	1757	0	117	0.34	0	68.6	52.8	49.7	19.1	19.1
7-8 PM	1648	0.0	109	0.0	3000	1648	0	109	0.34	0	68.7	52.8	49.7	19.2	19.2
8-9 PM	1345	0.0	89	0.0	3000	1345	0	89	0.35	0	69.1	52.8	49.7	19.3	19.3
9-10 PM	1215	0.0	80	0.0	3000	1215	0	80	0.35	0	69.2	52.9	49.7	19.4	19.4
10-11 PM	917	0.0	61	0.0	3000	917	0	61	0.35	0	69.6	53.0	49.7	19.5	19.5
11PM-MID	592	0.0	39	0.0	3000	592	0	39	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 (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	0.0068
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0066

PIA: Personal Injury Accidents

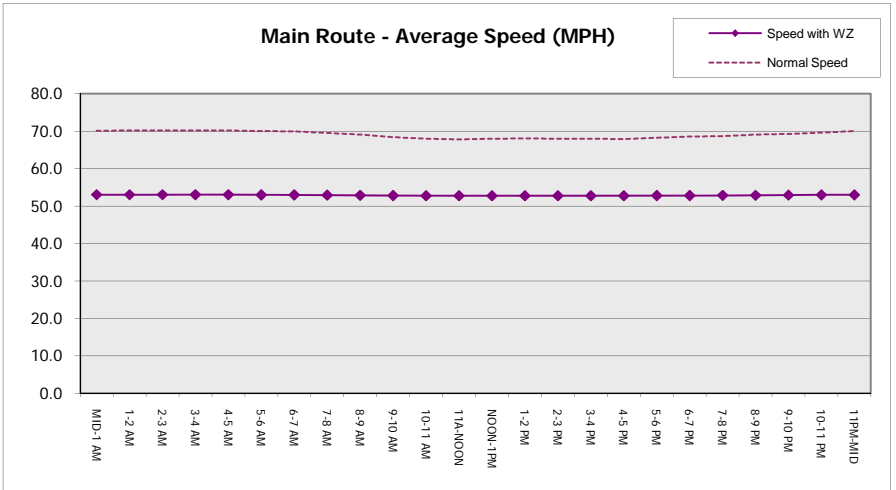
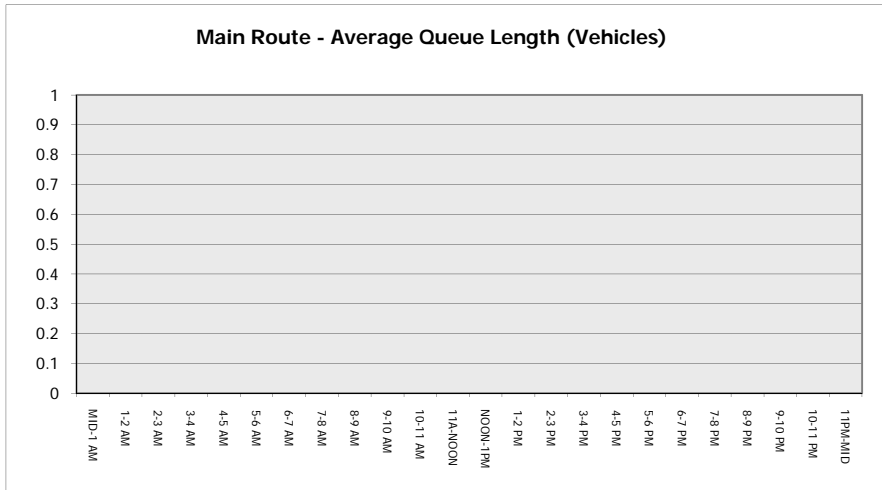
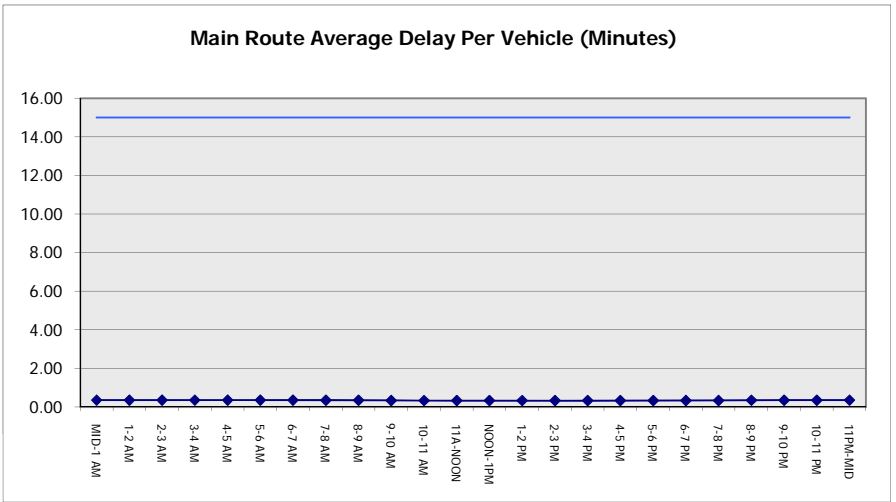
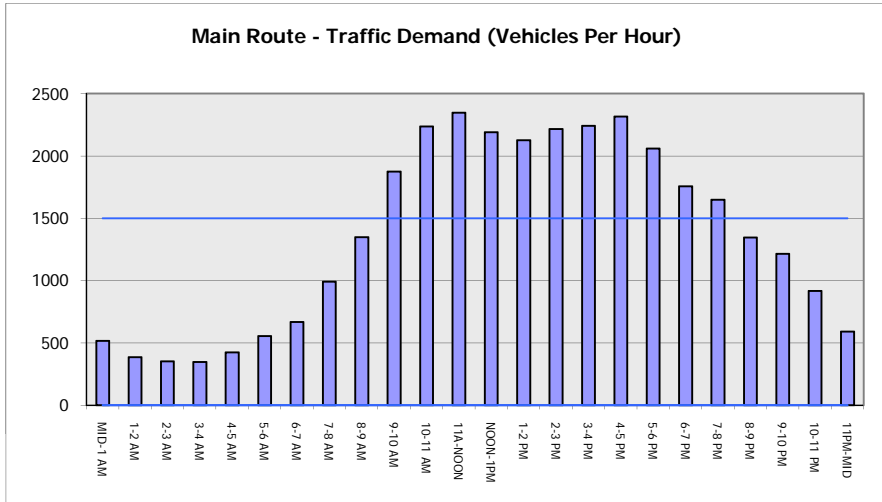
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,697
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

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	549	0.0	37	0.0	3000	549	0	37	0.36	0	70.0	53.0	49.7	19.6	19.6
1-2 AM	349	0.0	23	0.0	3000	349	0	23	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	267	0.0	17	0.0	3000	267	0	17	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	358	0.0	24	0.0	3000	358	0	24	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	535	0.0	36	0.0	3000	535	0	36	0.36	0	70.0	53.0	49.7	19.6	19.6
6-7 AM	913	0.0	61	0.0	3000	913	0	61	0.35	0	69.6	53.0	49.7	19.5	19.5
7-8 AM	1421	0.0	94	0.0	3000	1421	0	94	0.34	0	69.0	52.8	49.7	19.3	19.3
8-9 AM	1927	0.0	128	0.0	3000	1927	0	128	0.34	0	68.3	52.8	49.7	19.1	19.1
9-10 AM	2430	0.0	161	0.0	3000	2430	0	161	0.36	0	67.7	51.7	48.6	18.9	18.9
10-11 AM	2687	0.0	178	0.0	3000	2687	0	178	0.52	0	67.4	46.4	42.7	18.8	18.8
11A-NOON	2603	0.0	173	0.0	3000	2603	0	173	0.47	0	67.5	48.0	44.5	18.8	18.8
NOON-1PM	2358	0.0	156	0.0	3000	2358	0	156	0.33	0	67.8	52.7	49.7	18.9	18.9
1-2 PM	2255	0.0	149	0.0	3000	2255	0	149	0.33	0	67.9	52.7	49.7	18.9	18.9
2-3 PM	2227	0.0	147	0.0	3000	2227	0	147	0.33	0	67.9	52.7	49.7	18.9	18.9
3-4 PM	2159	0.0	143	0.0	3000	2159	0	143	0.33	0	68.1	52.7	49.7	19.0	19.0
4-5 PM	2166	0.0	144	0.0	3000	2166	0	144	0.33	0	68.1	52.7	49.7	19.0	19.0
5-6 PM	1975	0.0	131	0.0	3000	1975	0	131	0.34	0	68.2	52.8	49.7	19.1	19.1
6-7 PM	1657	0.0	110	0.0	3000	1657	0	110	0.34	0	68.7	52.8	49.7	19.2	19.2
7-8 PM	1416	0.0	94	0.0	3000	1416	0	94	0.34	0	69.0	52.8	49.7	19.3	19.3
8-9 PM	1160	0.0	77	0.0	3000	1160	0	77	0.35	0	69.3	52.9	49.7	19.4	19.4
9-10 PM	981	0.0	65	0.0	3000	981	0	65	0.35	0	69.5	52.9	49.7	19.5	19.5
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	601	0.0	40	0.0	3000	601	0	40	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	0.0070
MAIN ROUTE WITH WORKS	0.0048
DIVERSION	0.0069

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,035
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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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

