

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 1 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	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	591	0.0	69	0.0	3000	591	0	69	0.36	0	70.0	55.5	49.7	19.3	19.3
1-2 AM	442	0.0	52	0.0	3000	442	0	52	0.36	0	70.2	55.6	49.7	19.4	19.4
2-3 AM	402	0.0	47	0.0	3000	402	0	47	0.36	0	70.2	55.6	49.7	19.5	19.5
3-4 AM	398	0.0	47	0.0	3000	398	0	47	0.36	0	70.2	55.6	49.7	19.5	19.5
4-5 AM	484	0.0	57	0.0	3000	484	0	57	0.36	0	70.1	55.5	49.7	19.4	19.4
5-6 AM	633	0.0	74	0.0	3000	633	0	74	0.36	0	69.9	55.5	49.7	19.3	19.3
6-7 AM	763	0.0	90	0.0	3000	763	0	90	0.35	0	69.8	55.5	49.7	19.2	19.2
7-8 AM	1134	0.0	134	0.0	3000	1134	0	134	0.35	0	69.3	55.3	49.7	18.8	18.8
8-9 AM	1541	0.0	181	0.0	3000	1541	0	181	0.34	0	68.8	55.3	49.7	18.4	18.4
9-10 AM	2143	0.0	252	0.0	3000	2143	0	252	0.33	0	68.1	55.1	49.7	17.9	17.9
10-11 AM	2558	0.0	301	0.0	3000	2558	0	301	0.44	0	67.6	51.5	45.5	17.5	17.5
11A-NOON	2685	0.0	316	0.0	3000	2685	0	316	0.52	0	67.4	49.2	42.7	17.4	17.4
NOON-1PM	2505	0.0	295	0.0	3000	2505	0	295	0.40	0	67.6	52.6	46.7	17.6	17.6
1-2 PM	2432	0.0	287	0.0	3000	2432	0	287	0.36	0	67.7	54.0	48.5	17.6	17.6
2-3 PM	2534	0.0	298	0.0	3000	2534	0	298	0.42	0	67.6	52.0	46.0	17.5	17.5
3-4 PM	2565	0.0	302	0.0	3000	2565	0	302	0.44	0	67.6	51.4	45.3	17.5	17.5
4-5 PM	2650	0.0	312	0.0	3000	2650	0	312	0.50	0	67.4	49.9	43.5	17.4	17.4
5-6 PM	2354	0.0	277	0.0	3000	2354	0	277	0.33	0	67.8	55.0	49.7	17.7	17.7
6-7 PM	2009	0.0	237	0.0	3000	2009	0	237	0.33	0	68.2	55.1	49.7	18.0	18.0
7-8 PM	1885	0.0	222	0.0	3000	1885	0	222	0.34	0	68.4	55.1	49.7	18.1	18.1
8-9 PM	1539	0.0	181	0.0	3000	1539	0	181	0.34	0	68.8	55.3	49.7	18.4	18.4
9-10 PM	1390	0.0	163	0.0	3000	1390	0	163	0.34	0	69.0	55.3	49.7	18.6	18.6
10-11 PM	1050	0.0	123	0.0	3000	1050	0	123	0.35	0	69.4	55.4	49.7	18.9	18.9
11PM-MID	677	0.0	80	0.0	3000	677	0	80	0.36	0	69.9	55.5	49.7	19.3	19.3

----- 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	0.0095
MAIN ROUTE WITH WORKS	0.0070
DIVERSION	0.0143

PIA: Personal Injury Accidents

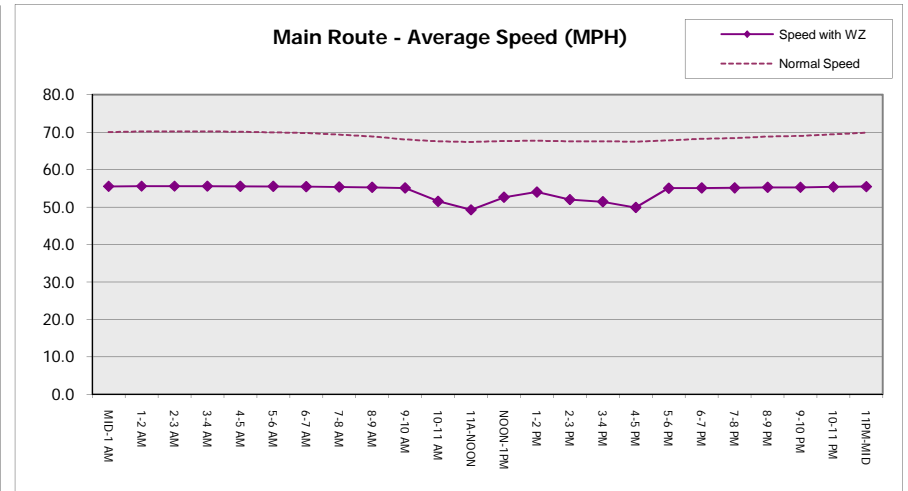
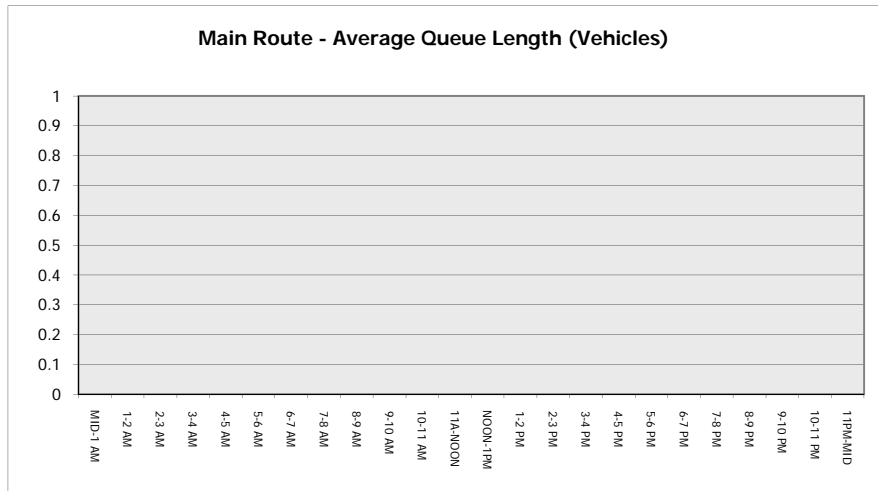
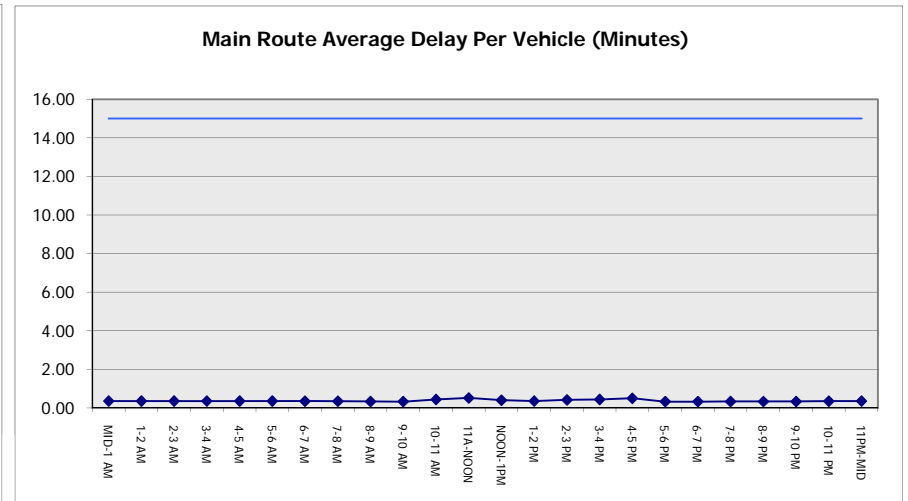
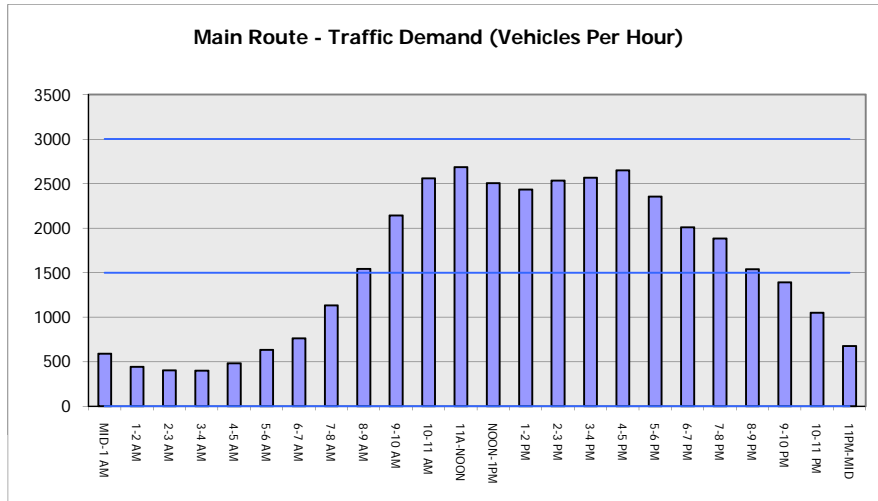
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,720
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 1 LANE CLOSURE
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 1 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	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	628	0.0	74	0.0	3000	628	0	74	0.36	0	69.9	55.5	49.7	19.3	19.3
1-2 AM	398	0.0	47	0.0	3000	398	0	47	0.36	0	70.2	55.6	49.7	19.5	19.5
2-3 AM	305	0.0	36	0.0	3000	305	0	36	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	325	0.0	39	0.0	3000	325	0	39	0.36	0	70.2	55.6	49.7	19.6	19.6
4-5 AM	410	0.0	48	0.0	3000	410	0	48	0.36	0	70.2	55.6	49.7	19.5	19.5
5-6 AM	612	0.0	72	0.0	3000	612	0	72	0.36	0	70.0	55.5	49.7	19.3	19.3
6-7 AM	1045	0.0	123	0.0	3000	1045	0	123	0.35	0	69.4	55.4	49.7	18.9	18.9
7-8 AM	1625	0.0	192	0.0	3000	1625	0	192	0.34	0	68.7	55.2	49.7	18.4	18.4
8-9 AM	2205	0.0	260	0.0	3000	2205	0	260	0.33	0	68.0	55.0	49.7	17.8	17.8
9-10 AM	2780	0.0	328	0.0	2999	2780	0	328	0.58	0	67.3	47.8	41.0	17.3	17.3
10-11 AM	3074	0.0	362	0.0	2999	3074	0	362	1.24	30	66.9	35.8	37.3	17.0	17.0
11A-NOON	2978	0.0	351	0.0	2999	2978	0	351	2.08	74	67.0	27.3	37.3	17.1	17.1
NOON-1PM	2698	0.0	318	0.0	3000	2698	0	318	0.61	5	67.4	47.1	42.4	17.4	17.4
1-2 PM	2581	0.0	304	0.0	3000	2581	0	304	0.45	0	67.5	51.1	45.0	17.5	17.5
2-3 PM	2547	0.0	300	0.0	3000	2547	0	300	0.43	0	67.6	51.8	45.7	17.5	17.5
3-4 PM	2470	0.0	291	0.0	3000	2470	0	291	0.38	0	67.7	53.3	47.6	17.6	17.6
4-5 PM	2478	0.0	292	0.0	3000	2478	0	292	0.39	0	67.6	53.1	47.3	17.6	17.6
5-6 PM	2261	0.0	266	0.0	3000	2261	0	266	0.33	0	67.9	55.0	49.7	17.8	17.8
6-7 PM	1896	0.0	223	0.0	3000	1896	0	223	0.34	0	68.4	55.1	49.7	18.1	18.1
7-8 PM	1620	0.0	190	0.0	3000	1620	0	190	0.34	0	68.7	55.2	49.7	18.4	18.4
8-9 PM	1327	0.0	156	0.0	3000	1327	0	156	0.35	0	69.1	55.3	49.7	18.6	18.6
9-10 PM	1122	0.0	132	0.0	3000	1122	0	132	0.35	0	69.4	55.3	49.7	18.8	18.8
10-11 PM	937	0.0	110	0.0	3000	937	0	110	0.35	0	69.6	55.4	49.7	19.0	19.0
11PM-MID	688	0.0	81	0.0	3000	688	0	81	0.36	0	69.9	55.5	49.7	19.3	19.3

----- 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	0.0099
MAIN ROUTE WITH WORKS	0.0073
DIVERSION	0.0150

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$5,981
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SATURDAY EASTBOUND DIRECTION

