

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) NIGHTTIME 2 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	1500	591	0	69	0.54	0	70.0	50.1	43.2	19.3	19.3
1-2 AM	442	0.0	52	0.0	1500	442	0	52	0.53	0	70.2	50.6	43.7	19.4	19.4
2-3 AM	402	0.0	47	0.0	1500	402	0	47	0.52	0	70.2	50.7	43.9	19.5	19.5
3-4 AM	398	0.0	47	0.0	1500	398	0	47	0.52	0	70.2	50.8	43.9	19.5	19.5
4-5 AM	484	0.0	57	0.0	1500	484	0	57	0.53	0	70.1	50.5	43.6	19.4	19.4
5-6 AM	633	0.0	74	0.0	1500	633	0	74	0.55	0	69.9	50.0	43.0	19.3	19.3
6-7 AM	763	0.0	90	0.0	1500	763	0	90	0.56	0	69.8	49.6	42.5	19.2	19.2
7-8 AM	1134	0.0	134	0.0	1499	1134	0	134	0.67	0	69.3	46.8	39.5	18.8	18.8
8-9 AM	1541	0.0	181	0.0	OFF	1541	0	181	0.00	0	68.8	68.8	68.8	18.4	18.4
9-10 AM	2143	0.0	252	0.0	OFF	2143	0	252	0.00	0	68.1	68.1	68.1	17.9	17.9
10-11 AM	2558	0.0	301	0.0	OFF	2558	0	301	0.00	0	67.6	67.6	67.6	17.5	17.5
11A-NOON	2685	0.0	316	0.0	OFF	2685	0	316	0.00	0	67.4	67.4	67.4	17.4	17.4
NOON-1PM	2505	0.0	295	0.0	OFF	2505	0	295	0.00	0	67.6	67.6	67.6	17.6	17.6
1-2 PM	2432	0.0	287	0.0	OFF	2432	0	287	0.00	0	67.7	67.7	67.7	17.6	17.6
2-3 PM	2534	0.0	298	0.0	OFF	2534	0	298	0.00	0	67.6	67.6	67.6	17.5	17.5
3-4 PM	2565	0.0	302	0.0	OFF	2565	0	302	0.00	0	67.6	67.6	67.6	17.5	17.5
4-5 PM	2650	0.0	312	0.0	OFF	2650	0	312	0.00	0	67.4	67.4	67.4	17.4	17.4
5-6 PM	2354	0.0	277	0.0	OFF	2354	0	277	0.00	0	67.8	67.8	67.8	17.7	17.7
6-7 PM	2009	0.0	237	0.0	1499	1741	268	505	8.33	199	68.2	10.5	30.8	18.0	16.3
7-8 PM	1885	0.0	222	0.0	1500	1477	408	630	9.96	232	68.4	9.3	30.8	18.1	15.6
8-9 PM	1539	0.0	181	0.0	1499	1448	91	272	8.08	183	68.8	10.6	30.8	18.4	18.1
9-10 PM	1390	0.0	163	0.0	1499	1390	0	163	5.69	126	69.0	13.6	31.2	18.6	18.6
10-11 PM	1050	0.0	123	0.0	1500	1050	0	124	0.72	4	69.4	45.7	40.9	18.9	18.9
11PM-MID	677	0.0	80	0.0	1500	677	0	80	0.55	0	69.9	49.8	42.8	19.3	19.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0095
MAIN ROUTE WITH WORKS	0.0085
DIVERSION	0.0169

PIA: Personal Injury Accidents

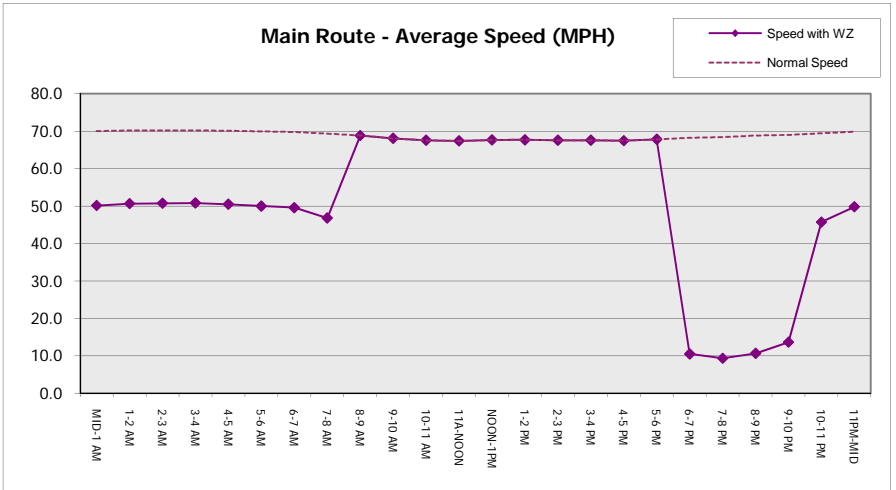
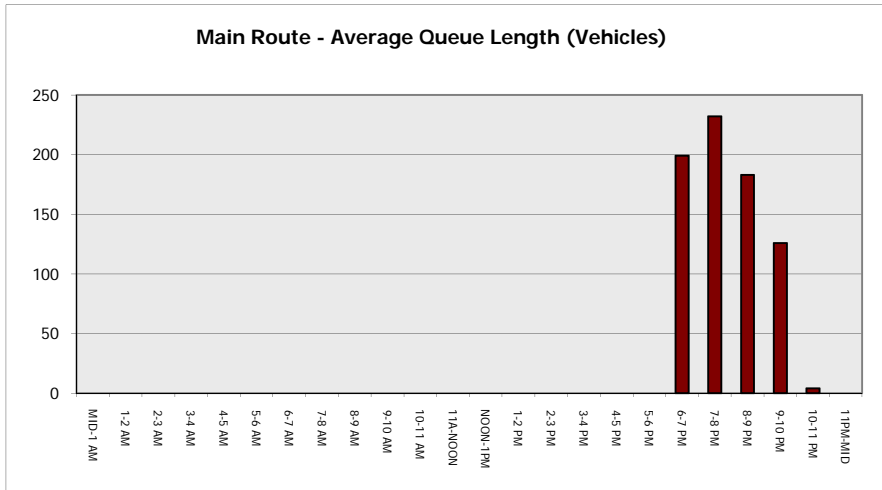
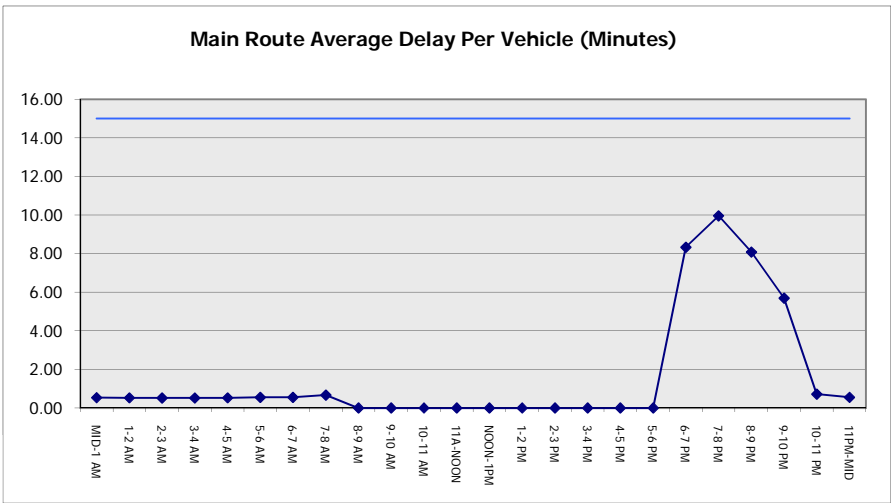
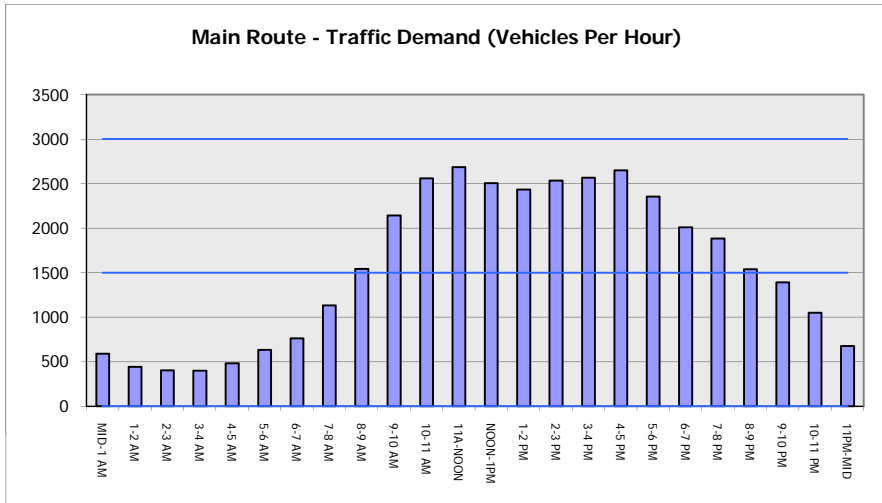
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$16,425
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
NIGHTTIME 2 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	OCTOBER
	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	628	0.0	74	0.0	1500	628	0	74	0.55	0	69.9	50.0	43.0	19.3	19.3
1-2 AM	398	0.0	47	0.0	1500	398	0	47	0.52	0	70.2	50.8	43.9	19.5	19.5
2-3 AM	305	0.0	36	0.0	1500	305	0	36	0.51	0	70.2	51.1	44.3	19.6	19.6
3-4 AM	325	0.0	39	0.0	1500	325	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
4-5 AM	410	0.0	48	0.0	1500	410	0	48	0.52	0	70.2	50.7	43.8	19.5	19.5
5-6 AM	612	0.0	72	0.0	1500	612	0	72	0.55	0	70.0	50.1	43.1	19.3	19.3
6-7 AM	1045	0.0	123	0.0	1499	1045	0	123	0.62	0	69.4	47.8	40.7	18.9	18.9
7-8 AM	1625	0.0	192	0.0	1499	1625	0	192	1.92	33	68.7	28.9	31.0	18.4	18.4
8-9 AM	2205	0.0	260	0.0	OFF	2205	0	260	0.03	2	68.0	66.7	66.7	17.8	17.8
9-10 AM	2780	0.0	328	0.0	OFF	2780	0	328	0.00	0	67.3	67.3	67.3	17.3	17.3
10-11 AM	3074	0.0	362	0.0	OFF	3074	0	362	0.00	0	66.9	66.9	66.9	17.0	17.0
11A-NOON	2978	0.0	351	0.0	OFF	2978	0	351	0.00	0	67.0	67.0	67.0	17.1	17.1
NOON-1PM	2698	0.0	318	0.0	OFF	2698	0	318	0.00	0	67.4	67.4	67.4	17.4	17.4
1-2 PM	2581	0.0	304	0.0	OFF	2581	0	304	0.00	0	67.5	67.5	67.5	17.5	17.5
2-3 PM	2547	0.0	300	0.0	OFF	2547	0	300	0.00	0	67.6	67.6	67.6	17.5	17.5
3-4 PM	2470	0.0	291	0.0	OFF	2470	0	291	0.00	0	67.7	67.7	67.7	17.6	17.6
4-5 PM	2478	0.0	292	0.0	OFF	2478	0	292	0.00	0	67.6	67.6	67.6	17.6	17.6
5-6 PM	2261	0.0	266	0.0	OFF	2261	0	266	0.00	0	67.9	67.9	67.9	17.8	17.8
6-7 PM	1896	0.0	223	0.0	1499	1716	180	403	7.26	171	68.4	11.6	30.8	18.1	17.0
7-8 PM	1620	0.0	190	0.0	1500	1462	158	349	8.47	193	68.7	10.3	30.8	18.4	17.6
8-9 PM	1327	0.0	156	0.0	1499	1327	0	156	4.56	107	69.1	16.2	32.2	18.6	18.7
9-10 PM	1122	0.0	132	0.0	1500	1122	0	132	0.63	0	69.4	47.6	40.4	18.8	18.8
10-11 PM	937	0.0	110	0.0	1500	937	0	110	0.58	0	69.6	48.9	41.9	19.0	19.0
11PM-MID	688	0.0	81	0.0	1500	688	0	81	0.55	0	69.9	49.8	42.8	19.3	19.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0099
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0161

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,114
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 2 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 EASTBOUND DIRECTION

