

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

FRIDAY 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	586	0.0	69	0.0	3000	586	0	69	0.36	0	70.0	55.5	49.7	19.3	19.3
1-2 AM	506	0.0	60	0.0	3000	506	0	60	0.36	0	70.1	55.5	49.7	19.4	19.4
2-3 AM	555	0.0	65	0.0	3000	555	0	65	0.36	0	70.0	55.5	49.7	19.4	19.4
3-4 AM	641	0.0	75	0.0	3000	641	0	75	0.36	0	69.9	55.5	49.7	19.3	19.3
4-5 AM	973	0.0	114	0.0	3000	973	0	114	0.35	0	69.6	55.4	49.7	19.0	19.0
5-6 AM	1746	0.0	205	0.0	3000	1746	0	205	0.34	0	68.6	55.2	49.7	18.3	18.3
6-7 AM	2032	0.0	240	0.0	3000	2032	0	240	0.33	0	68.2	55.1	49.7	18.0	18.0
7-8 AM	2199	0.0	259	0.0	3000	2199	0	259	0.33	0	68.0	55.0	49.7	17.8	17.8
8-9 AM	2046	0.0	241	0.0	3000	2046	0	241	0.33	0	68.2	55.1	49.7	18.0	18.0
9-10 AM	2129	0.0	251	0.0	3000	2129	0	251	0.33	0	68.1	55.1	49.7	17.9	17.9
10-11 AM	2403	0.0	283	0.0	3000	2403	0	283	0.34	0	67.8	54.6	49.2	17.6	17.6
11A-NOON	2698	0.0	318	0.0	3000	2698	0	318	0.53	0	67.4	49.1	42.5	17.4	17.4
NOON-1PM	2890	0.0	340	0.0	2999	2890	0	340	0.66	0	67.1	46.0	39.1	17.2	17.2
1-2 PM	3337	0.0	394	0.0	2999	3337	0	394	2.87	144	66.6	23.1	37.3	16.8	17.1
2-3 PM	3673	0.0	432	0.0	3000	3363	310	743	10.77	564	65.8	11.4	37.3	16.5	16.8
3-4 PM	3664	0.0	431	0.0	2999	3030	634	1065	13.76	720	65.8	10.3	37.3	16.5	14.7
4-5 PM	3619	0.0	426	0.0	2999	2975	644	1070	13.82	723	66.1	10.3	37.3	16.5	14.7
5-6 PM	3379	0.0	398	0.0	2999	2866	513	911	12.30	639	66.5	10.7	37.3	16.8	15.7
6-7 PM	2916	0.0	343	0.0	2999	2788	129	472	9.03	460	67.1	12.3	37.3	17.2	18.4
7-8 PM	2427	0.0	286	0.0	2999	2427	0	286	1.69	131	67.7	31.9	44.5	17.6	18.0
8-9 PM	2069	0.0	244	0.0	3000	2069	0	244	0.33	0	68.2	55.1	49.7	17.9	17.9
9-10 PM	1590	0.0	187	0.0	3000	1590	0	187	0.34	0	68.7	55.2	49.7	18.4	18.4
10-11 PM	1256	0.0	148	0.0	3000	1256	0	148	0.35	0	69.2	55.3	49.7	18.7	18.7
11PM-MID	775	0.0	91	0.0	3000	775	0	91	0.35	0	69.7	55.5	49.7	19.1	19.1

----- 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	0.0127
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0265

PIA: Personal Injury Accidents

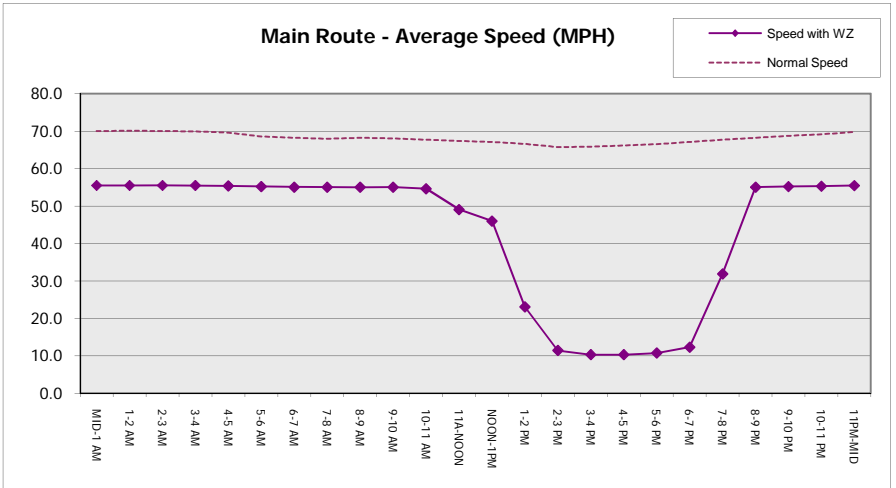
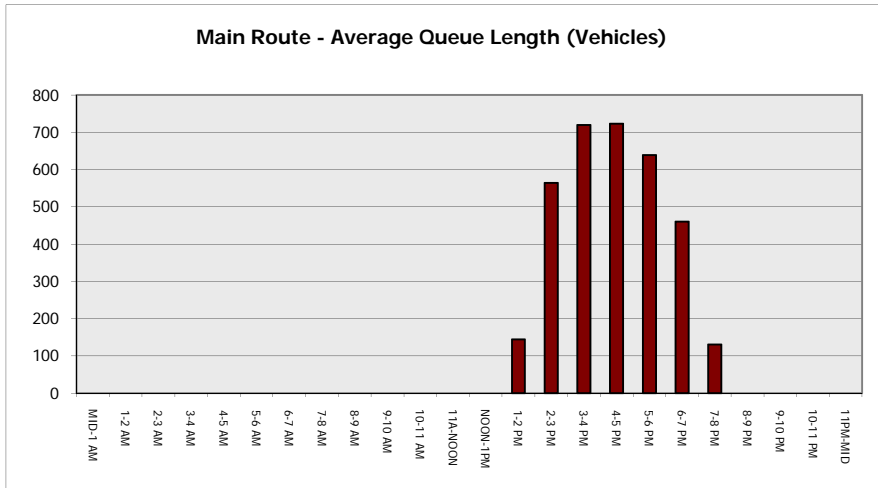
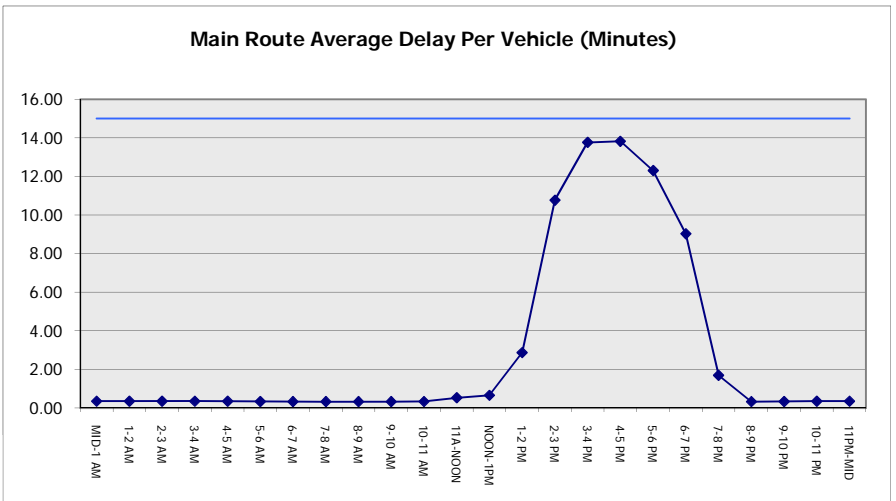
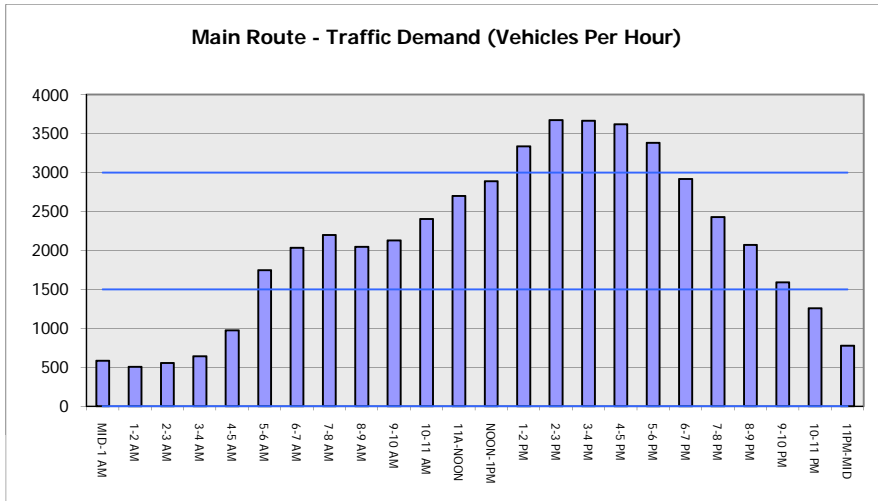
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$56,228
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVERTING	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	561	0.0	66	0.0	3000	561	0	66	0.36	0	70.0	55.5	49.7	19.4	19.4
1-2 AM	413	0.0	48	0.0	3000	413	0	48	0.36	0	70.2	55.6	49.7	19.5	19.5
2-3 AM	321	0.0	38	0.0	3000	321	0	38	0.36	0	70.2	55.6	49.7	19.6	19.6
3-4 AM	373	0.0	44	0.0	3000	373	0	44	0.36	0	70.2	55.6	49.7	19.5	19.5
4-5 AM	457	0.0	53	0.0	3000	457	0	53	0.36	0	70.2	55.6	49.7	19.4	19.4
5-6 AM	812	0.0	95	0.0	3000	812	0	95	0.35	0	69.7	55.5	49.7	19.1	19.1
6-7 AM	1254	0.0	148	0.0	3000	1254	0	148	0.35	0	69.2	55.3	49.7	18.7	18.7
7-8 AM	1962	0.0	231	0.0	3000	1962	0	231	0.34	0	68.3	55.1	49.7	18.1	18.1
8-9 AM	2209	0.0	261	0.0	3000	2209	0	261	0.33	0	68.0	55.0	49.7	17.8	17.8
9-10 AM	2790	0.0	329	0.0	2999	2790	0	329	0.59	0	67.3	47.6	40.9	17.3	17.3
10-11 AM	3294	0.0	388	0.0	2999	3294	0	388	2.68	129	66.6	23.9	37.3	16.8	17.1
11A-NOON	3364	0.0	396	0.0	2999	3257	107	503	8.75	448	66.6	12.5	37.3	16.8	18.1
NOON-1PM	3426	0.0	403	0.0	2999	3065	361	764	11.10	572	66.4	11.2	37.3	16.7	16.6
1-2 PM	4045	0.0	476	0.0	3000	3348	696	1172	14.98	798	63.2	10.0	37.3	16.1	14.1
2-3 PM	4296	0.0	506	0.0	2999	3165	1130	1636+	20.01	1078	61.5	9.1	37.3	15.9	12.2
3-4 PM	4517	0.0	532	0.0	3000	3031	1487	2018+	21.23	1151	60.0	8.9	37.3	15.7	11.8
4-5 PM	4453	0.0	524	0.0	3000	2975	1478	2003+	21.23	1149	60.4	8.9	37.3	15.8	11.8
5-6 PM	4058	0.0	478	0.0	3000	2930	1127	1606+	20.38	1093	63.2	9.0	37.3	16.1	12.0
6-7 PM	3731	0.0	440	0.0	2999	2775	955	1395	18.35	976	65.4	9.3	37.3	16.4	12.7
7-8 PM	2863	0.0	337	0.0	2999	2492	370	707	10.65	562	67.2	11.6	37.4	17.2	17.1
8-9 PM	1870	0.0	220	0.0	3000	1870	0	220	0.81	58	68.4	43.7	49.7	18.1	18.3
9-10 PM	1478	0.0	174	0.0	3000	1478	0	174	0.34	0	68.9	55.3	49.7	18.5	18.5
10-11 PM	1198	0.0	141	0.0	3000	1198	0	141	0.35	0	69.2	55.3	49.7	18.8	18.8
11PM-MID	897	0.0	106	0.0	3000	897	0	106	0.35	0	69.6	55.4	49.7	19.1	19.1

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0139
MAIN ROUTE WITH WORKS	0.0088
DIVERSION	0.0461

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$145,842
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

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

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FRIDAY EASTBOUND DIRECTION

