

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	AUGUST
	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	639	0.0	75	0.0	3000	639	0	75	0.36	0	69.9	55.5	49.7	19.3	19.3
1-2 AM	532	0.0	63	0.0	3000	532	0	63	0.36	0	70.0	55.5	49.7	19.4	19.4
2-3 AM	554	0.0	65	0.0	3000	554	0	65	0.36	0	70.0	55.5	49.7	19.4	19.4
3-4 AM	643	0.0	75	0.0	3000	643	0	75	0.36	0	69.9	55.5	49.7	19.3	19.3
4-5 AM	1072	0.0	127	0.0	3000	1072	0	127	0.35	0	69.4	55.4	49.7	18.9	18.9
5-6 AM	1706	0.0	201	0.0	3000	1706	0	201	0.34	0	68.6	55.2	49.7	18.3	18.3
6-7 AM	1991	0.0	234	0.0	3000	1991	0	234	0.33	0	68.2	55.1	49.7	18.0	18.0
7-8 AM	2127	0.0	250	0.0	3000	2127	0	250	0.33	0	68.1	55.1	49.7	17.9	17.9
8-9 AM	2072	0.0	244	0.0	3000	2072	0	244	0.33	0	68.2	55.1	49.7	17.9	17.9
9-10 AM	2248	0.0	265	0.0	3000	2248	0	265	0.33	0	67.9	55.0	49.7	17.8	17.8
10-11 AM	2619	0.0	309	0.0	3000	2619	0	309	0.48	0	67.5	50.4	44.1	17.5	17.5
11A-NOON	2882	0.0	339	0.0	2999	2882	0	339	0.65	0	67.1	46.1	39.1	17.2	17.2
NOON-1PM	2996	0.0	353	0.0	2999	2996	0	353	0.84	8	67.0	42.1	37.9	17.1	17.1
1-2 PM	3470	0.0	408	0.0	3000	3470	0	408	4.65	247	66.4	17.5	37.3	16.6	17.5
2-3 PM	3691	0.0	434	0.0	2999	3219	473	907	12.25	639	65.6	10.7	37.3	16.5	15.8
3-4 PM	3698	0.0	435	0.0	2999	3027	671	1106	14.20	745	65.6	10.2	37.3	16.5	14.5
4-5 PM	3542	0.0	418	0.0	2999	2917	625	1043	13.54	707	66.3	10.4	37.3	16.6	14.9
5-6 PM	3398	0.0	400	0.0	3000	2915	483	882	12.05	624	66.5	10.9	37.3	16.7	15.9
6-7 PM	3131	0.0	368	0.0	3000	2878	253	622	10.16	521	66.8	11.6	37.3	17.0	17.5
7-8 PM	2620	0.0	309	0.0	2999	2615	5	314	5.63	295	67.5	15.7	39.1	17.5	18.6
8-9 PM	2195	0.0	258	0.0	3000	2195	0	259	0.38	3	68.0	53.5	49.7	17.8	17.8
9-10 PM	2059	0.0	243	0.0	3000	2059	0	243	0.33	0	68.2	55.1	49.7	17.9	17.9
10-11 PM	1545	0.0	182	0.0	3000	1545	0	182	0.34	0	68.8	55.2	49.7	18.4	18.4
11PM-MID	1022	0.0	120	0.0	3000	1022	0	120	0.35	0	69.5	55.4	49.7	18.9	18.9

----- 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	0.0133
MAIN ROUTE WITH WORKS	0.0094
DIVERSION	0.0283

PIA: Personal Injury Accidents

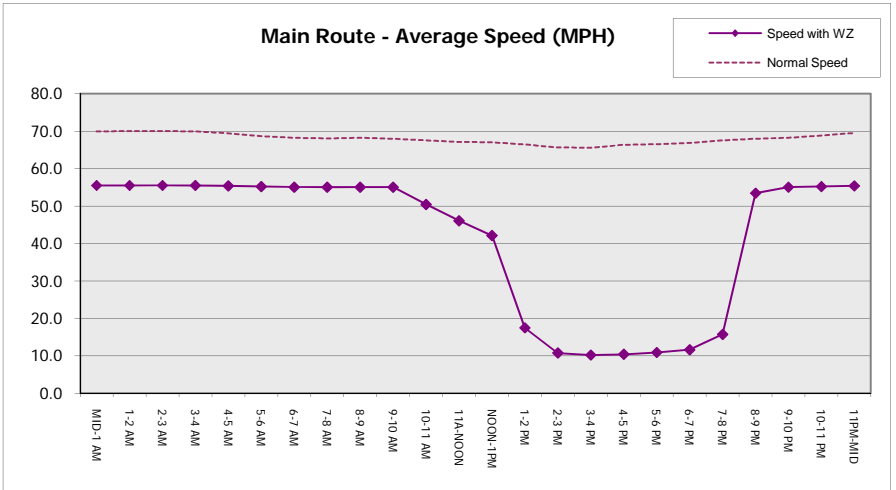
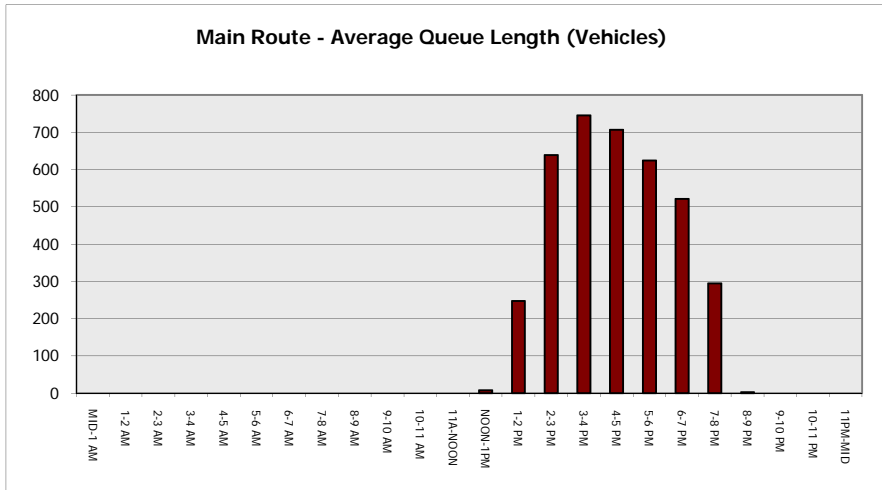
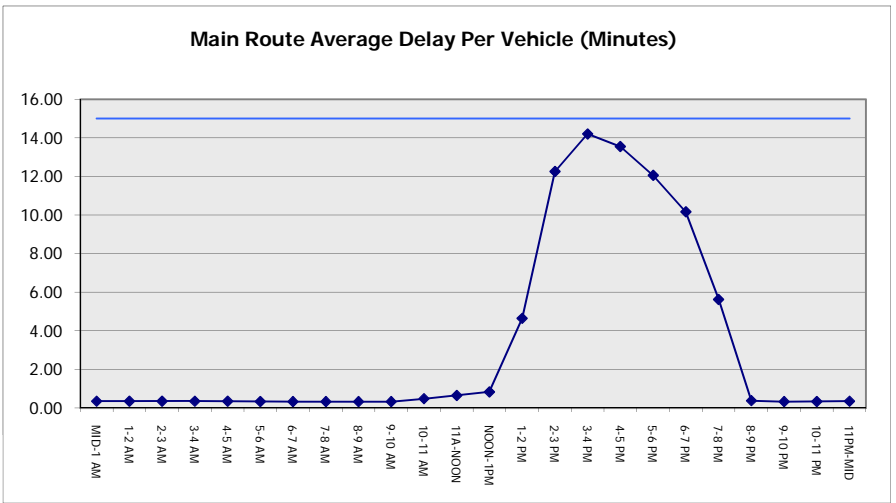
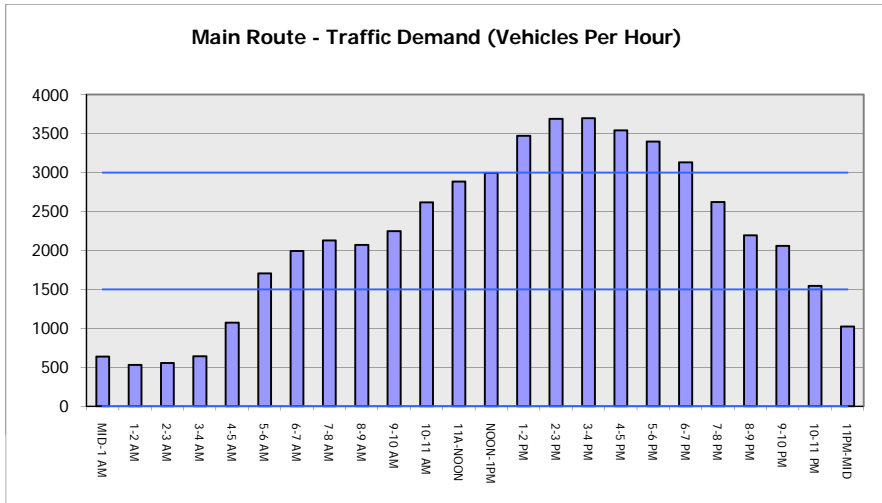
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$64,179
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**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**

AUGUST
 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	AUGUST
	Analyzed for 2009 Construction Season

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 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	720	0.0	85	0.0	3000	720	0	85	0.36	0	69.9	55.5	49.7	19.2	19.2
1-2 AM	467	0.0	55	0.0	3000	467	0	55	0.36	0	70.2	55.5	49.7	19.4	19.4
2-3 AM	411	0.0	48	0.0	3000	411	0	48	0.36	0	70.2	55.6	49.7	19.5	19.5
3-4 AM	409	0.0	48	0.0	3000	409	0	48	0.36	0	70.2	55.6	49.7	19.5	19.5
4-5 AM	516	0.0	61	0.0	3000	516	0	61	0.36	0	70.1	55.5	49.7	19.4	19.4
5-6 AM	869	0.0	103	0.0	3000	869	0	103	0.35	0	69.7	55.5	49.7	19.1	19.1
6-7 AM	1450	0.0	171	0.0	3000	1450	0	171	0.34	0	68.9	55.3	49.7	18.5	18.5
7-8 AM	2128	0.0	250	0.0	3000	2128	0	250	0.33	0	68.1	55.1	49.7	17.9	17.9
8-9 AM	2536	0.0	298	0.0	2999	2536	0	298	0.42	0	67.6	52.1	46.2	17.5	17.5
9-10 AM	3242	0.0	382	0.0	2999	3242	0	382	1.75	75	66.7	30.1	37.3	16.9	16.9
10-11 AM	3986	0.0	470	0.0	3000	3627	359	828	11.29	612	63.7	11.2	37.3	16.1	16.3
11A-NOON	4044	0.0	476	0.0	2999	3147	896	1373	17.83	952	63.2	9.4	37.3	16.1	12.9
NOON-1PM	4038	0.0	475	0.0	2999	3063	975	1450	19.24	1030	63.3	9.2	37.3	16.1	12.4
1-2 PM	4670	0.0	550	0.0	2999	3087	1583	2133+	21.25	1155	58.9	8.9	37.3	15.5	11.8
2-3 PM	4846	0.0	570	0.0	3000	3000	1846	2417+	21.53	1176	57.8	8.8	37.3	15.4	11.7
3-4 PM	4695	0.0	553	0.0	3000	3001	1694	2246+	21.60	1175	58.8	8.8	37.3	15.5	11.7
4-5 PM	4759	0.0	560	0.0	3000	3000	1759	2319+	21.57	1176	58.4	8.8	37.3	15.5	11.7
5-6 PM	4566	0.0	538	0.0	3000	2987	1579	2117+	21.50	1167	59.7	8.9	37.3	15.6	11.7
6-7 PM	4359	0.0	513	0.0	2999	2942	1416	1929+	21.09	1139	61.1	8.9	37.3	15.8	11.9
7-8 PM	3132	0.0	368	0.0	2999	2385	748	1116	14.72	787	66.8	10.2	37.3	17.0	14.6
8-9 PM	2207	0.0	260	0.0	2999	2203	4	264	1.96	179	68.0	30.4	45.1	17.8	18.5
9-10 PM	1634	0.0	193	0.0	3000	1634	0	193	0.34	0	68.7	55.2	49.7	18.4	18.4
10-11 PM	1394	0.0	164	0.0	3000	1394	0	164	0.34	0	69.0	55.3	49.7	18.6	18.6
11PM-MID	1051	0.0	123	0.0	3000	1051	0	123	0.35	0	69.4	55.4	49.7	18.9	18.9

+ 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	0.0158
MAIN ROUTE WITH WORKS	0.0093
DIVERSION	0.0658

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$209,102
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

