

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) OFF-PEAK 2 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	OFF	639	0	75	0.00	0	69.9	69.9	69.9	19.3	19.3
1-2 AM	532	0.0	63	0.0	OFF	532	0	63	0.00	0	70.0	70.0	70.0	19.4	19.4
2-3 AM	554	0.0	65	0.0	OFF	554	0	65	0.00	0	70.0	70.0	70.0	19.4	19.4
3-4 AM	643	0.0	75	0.0	OFF	643	0	75	0.00	0	69.9	69.9	69.9	19.3	19.3
4-5 AM	1072	0.0	127	0.0	OFF	1072	0	127	0.00	0	69.4	69.4	69.4	18.9	18.9
5-6 AM	1706	0.0	201	0.0	OFF	1706	0	201	0.00	0	68.6	68.6	68.6	18.3	18.3
6-7 AM	1991	0.0	234	0.0	OFF	1991	0	234	0.00	0	68.2	68.2	68.2	18.0	18.0
7-8 AM	2127	0.0	250	0.0	OFF	2127	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	2072	0.0	244	0.0	OFF	2072	0	244	0.00	0	68.2	68.2	68.2	17.9	17.9
9-10 AM	2248	0.0	265	0.0	1499	1831	417	682	10.13	252	67.9	9.4	30.8	17.8	15.3
10-11 AM	2619	0.0	309	0.0	1500	1630	988	1297	16.30	400	67.5	7.0	30.8	17.5	11.1
11A-NOON	2882	0.0	339	0.0	1499	1532	1350	1689+	19.99	495	67.1	6.3	30.8	17.2	9.6
NOON-1PM	2996	0.0	353	0.0	1500	1507	1489	1842+	20.16	500	67.0	6.3	30.8	17.1	9.6
1-2 PM	3470	0.0	408	0.0	1499	1500	1970	2378+	20.32	505	66.4	6.3	30.8	16.6	9.5
2-3 PM	3691	0.0	434	0.0	1500	1500	2191	2626+	20.29	505	65.6	6.3	30.8	16.5	9.5
3-4 PM	3698	0.0	435	0.0	1500	1500	2198	2633+	20.29	505	65.6	6.3	30.8	16.5	9.5
4-5 PM	3542	0.0	418	0.0	OFF	3542	0	418	0.58	50	66.3	47.3	47.3	16.6	16.6
5-6 PM	3398	0.0	400	0.0	OFF	3398	0	400	0.00	0	66.5	66.5	66.5	16.7	16.7
6-7 PM	3131	0.0	368	0.0	OFF	3131	0	368	0.00	0	66.8	66.8	66.8	17.0	17.0
7-8 PM	2620	0.0	309	0.0	OFF	2620	0	309	0.00	0	67.5	67.5	67.5	17.5	17.5
8-9 PM	2195	0.0	258	0.0	OFF	2195	0	258	0.00	0	68.0	68.0	68.0	17.8	17.8
9-10 PM	2059	0.0	243	0.0	OFF	2059	0	243	0.00	0	68.2	68.2	68.2	17.9	17.9
10-11 PM	1545	0.0	182	0.0	OFF	1545	0	182	0.00	0	68.8	68.8	68.8	18.4	18.4
11PM-MID	1022	0.0	120	0.0	OFF	1022	0	120	0.00	0	69.5	69.5	69.5	18.9	18.9

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

+ 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	0.0133
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.0547

PIA: Personal Injury Accidents

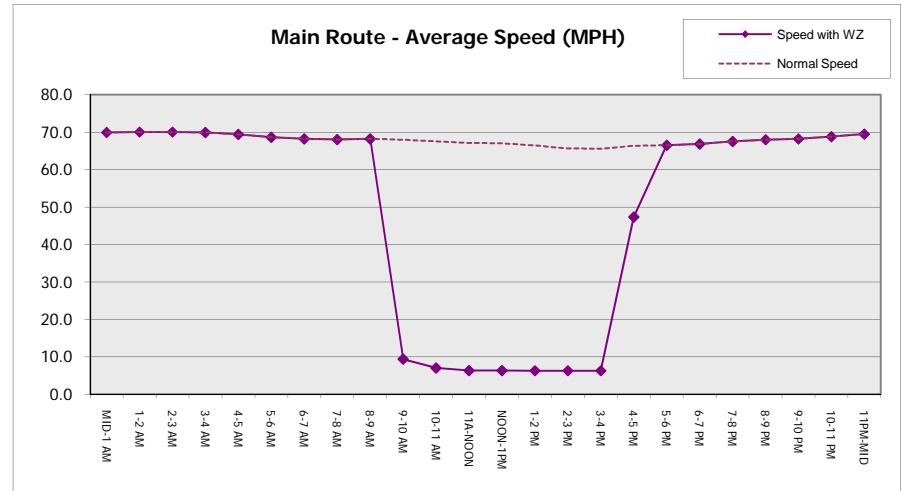
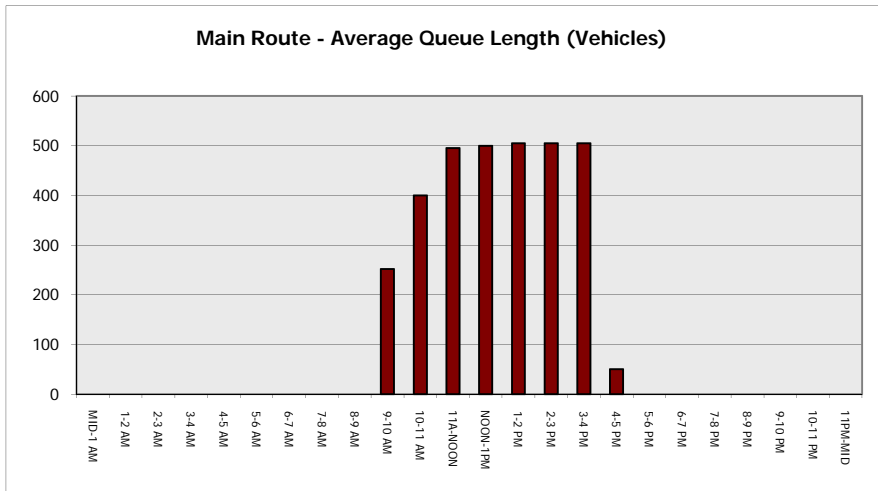
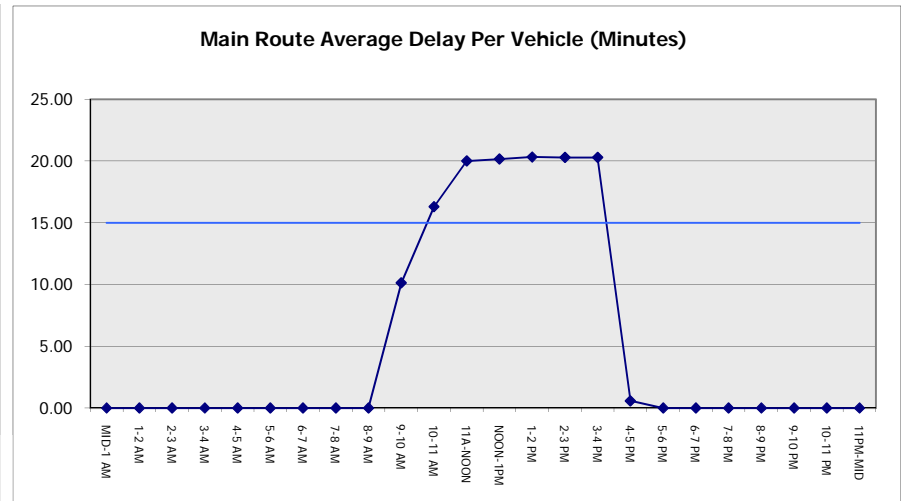
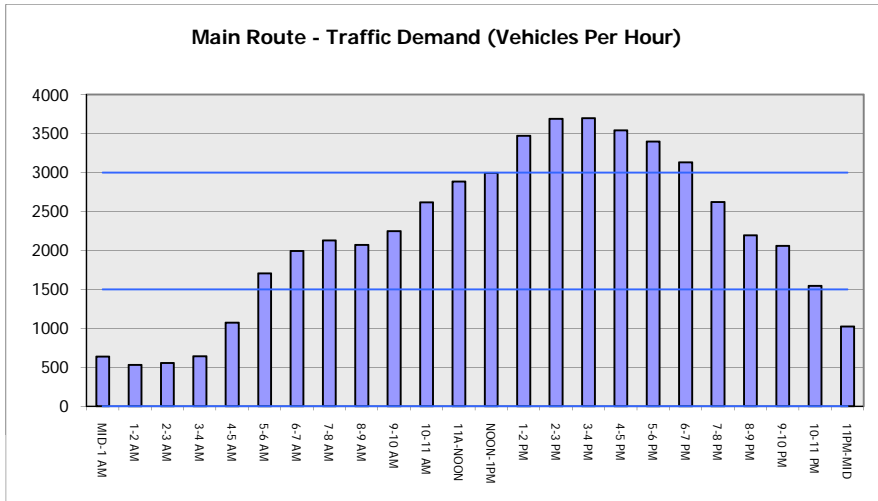
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$101,001
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
OFF-PEAK 2 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) OFF-PEAK 2 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	OFF	720	0	85	0.00	0	69.9	69.9	69.9	19.2	19.2
1-2 AM	467	0.0	55	0.0	OFF	467	0	55	0.00	0	70.2	70.2	70.2	19.4	19.4
2-3 AM	411	0.0	48	0.0	OFF	411	0	48	0.00	0	70.2	70.2	70.2	19.5	19.5
3-4 AM	409	0.0	48	0.0	OFF	409	0	48	0.00	0	70.2	70.2	70.2	19.5	19.5
4-5 AM	516	0.0	61	0.0	OFF	516	0	61	0.00	0	70.1	70.1	70.1	19.4	19.4
5-6 AM	869	0.0	103	0.0	OFF	869	0	103	0.00	0	69.7	69.7	69.7	19.1	19.1
6-7 AM	1450	0.0	171	0.0	OFF	1450	0	171	0.00	0	68.9	68.9	68.9	18.5	18.5
7-8 AM	2128	0.0	250	0.0	OFF	2128	0	250	0.00	0	68.1	68.1	68.1	17.9	17.9
8-9 AM	2536	0.0	298	0.0	OFF	2536	0	298	0.00	0	67.6	67.6	67.6	17.5	17.5
9-10 AM	3242	0.0	382	0.0	1499	2031	1211	1592	15.10	386	66.7	7.5	30.8	16.9	12.0
10-11 AM	3986	0.0	470	0.0	1499	1500	2486	2956+	20.22	505	63.7	6.3	30.8	16.1	9.5
11A-NOON	4044	0.0	476	0.0	1500	1500	2544	3020+	20.21	505	63.2	6.3	30.8	16.1	9.5
NOON-1PM	4038	0.0	475	0.0	1500	1500	2538	3013+	20.21	505	63.3	6.3	30.8	16.1	9.5
1-2 PM	4670	0.0	550	0.0	1500	1500	3170	3721+	20.05	505	58.9	6.3	30.8	15.5	9.5
2-3 PM	4846	0.0	570	0.0	1500	1500	3346	3917+	20.00	505	57.8	6.3	30.8	15.4	9.5
3-4 PM	4695	0.0	553	0.0	1500	1500	3195	3748+	20.04	505	58.8	6.3	30.8	15.5	9.5
4-5 PM	4759	0.0	560	0.0	OFF	4759	0	560	1.25	113	58.4	33.2	33.2	15.5	15.5
5-6 PM	4566	0.0	538	0.0	OFF	4566	0	538	0.00	0	59.7	59.7	59.7	15.6	15.6
6-7 PM	4359	0.0	513	0.0	OFF	4359	0	513	0.00	0	61.1	61.1	61.1	15.8	15.8
7-8 PM	3132	0.0	368	0.0	OFF	3132	0	368	0.00	0	66.8	66.8	66.8	17.0	17.0
8-9 PM	2207	0.0	260	0.0	OFF	2207	0	260	0.00	0	68.0	68.0	68.0	17.8	17.8
9-10 PM	1634	0.0	193	0.0	OFF	1634	0	193	0.00	0	68.7	68.7	68.7	18.4	18.4
10-11 PM	1394	0.0	164	0.0	OFF	1394	0	164	0.00	0	69.0	69.0	69.0	18.6	18.6
11PM-MID	1051	0.0	123	0.0	OFF	1051	0	123	0.00	0	69.4	69.4	69.4	18.9	18.9

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

+ 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	0.0104
DIVERSION	0.0842

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$145,167
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
 OFF-PEAK 2 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

