

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	397	0.0	47	0.0	OFF	397	0	47	0.00	0	70.2	70.2	70.2	19.5	19.5
1-2 AM	304	0.0	36	0.0	OFF	304	0	36	0.00	0	70.2	70.2	70.2	19.6	19.6
2-3 AM	260	0.0	30	0.0	OFF	260	0	30	0.00	0	70.2	70.2	70.2	19.6	19.6
3-4 AM	251	0.0	29	0.0	OFF	251	0	29	0.00	0	70.2	70.2	70.2	19.6	19.6
4-5 AM	253	0.0	29	0.0	OFF	253	0	29	0.00	0	70.2	70.2	70.2	19.6	19.6
5-6 AM	325	0.0	39	0.0	OFF	325	0	39	0.00	0	70.2	70.2	70.2	19.6	19.6
6-7 AM	426	0.0	50	0.0	OFF	426	0	50	0.00	0	70.2	70.2	70.2	19.5	19.5
7-8 AM	606	0.0	71	0.0	OFF	606	0	71	0.00	0	70.0	70.0	70.0	19.3	19.3
8-9 AM	946	0.0	111	0.0	OFF	946	0	111	0.00	0	69.6	69.6	69.6	19.0	19.0
9-10 AM	1516	0.0	179	0.0	3000	1516	0	179	0.34	0	68.9	55.3	49.7	18.4	18.4
10-11 AM	2147	0.0	253	0.0	3000	2147	0	253	0.33	0	68.1	55.1	49.7	17.9	17.9
11A-NOON	2805	0.0	331	0.0	2999	2805	0	331	0.60	0	67.3	47.4	40.6	17.3	17.3
NOON-1PM	3138	0.0	369	0.0	2999	3138	0	369	1.39	43	66.8	34.0	37.3	17.0	17.0
1-2 PM	3603	0.0	424	0.0	3000	3499	104	528	7.33	389	66.3	13.7	37.3	16.5	17.5
2-3 PM	4097	0.0	482	0.0	2999	3369	728	1210	15.46	826	62.8	9.9	37.3	16.1	13.9
3-4 PM	4564	0.0	538	0.0	2999	3167	1397	1935+	21.02	1140	59.7	8.9	37.3	15.6	11.9
4-5 PM	4716	0.0	556	0.0	3000	3000	1715	2271+	21.59	1176	58.6	8.8	37.3	15.5	11.7
5-6 PM	4496	0.0	530	0.0	3000	2962	1534	2064+	21.39	1159	60.1	8.9	37.3	15.7	11.7
6-7 PM	3953	0.0	466	0.0	3000	2867	1086	1552	19.99	1070	63.8	9.1	37.3	16.2	12.2
7-8 PM	3633	0.0	428	0.0	OFF	3633	0	428	2.29	212	66.0	25.6	25.6	16.5	16.5
8-9 PM	2965	0.0	350	0.0	OFF	2965	0	350	0.00	0	67.1	67.1	67.1	17.1	17.1
9-10 PM	2132	0.0	251	0.0	OFF	2132	0	251	0.00	0	68.1	68.1	68.1	17.9	17.9
10-11 PM	1411	0.0	166	0.0	OFF	1411	0	166	0.00	0	69.0	69.0	69.0	18.6	18.6
11PM-MID	832	0.0	98	0.0	OFF	832	0	98	0.00	0	69.7	69.7	69.7	19.1	19.1

"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	0.0127
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0405

PIA: Personal Injury Accidents

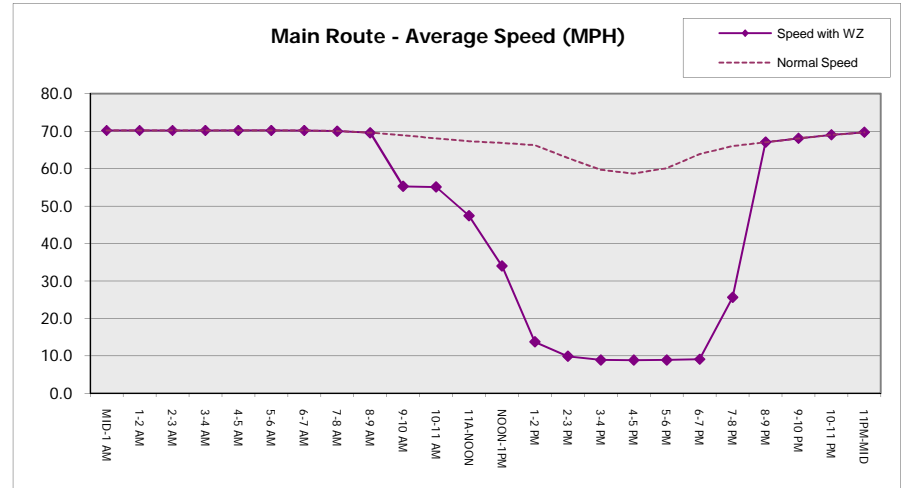
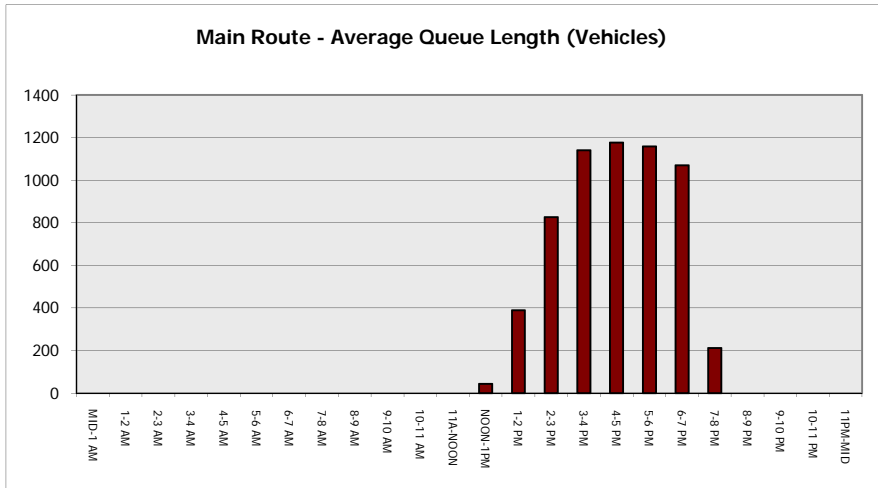
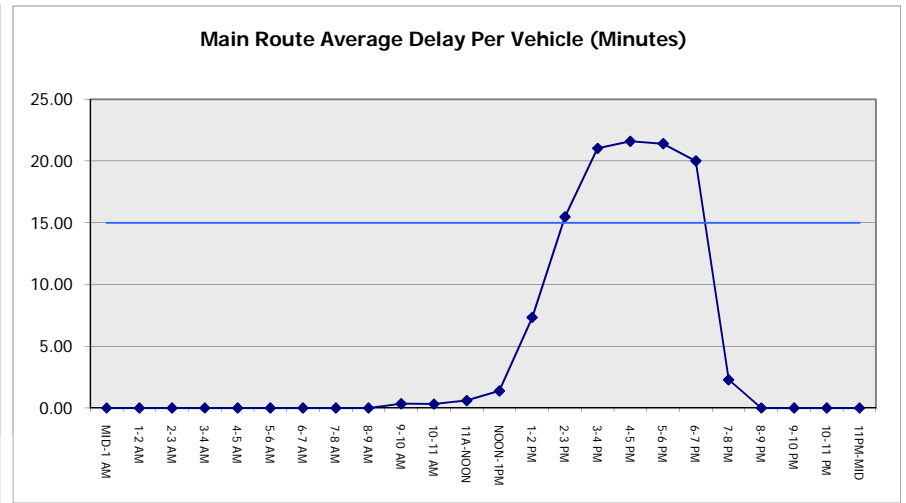
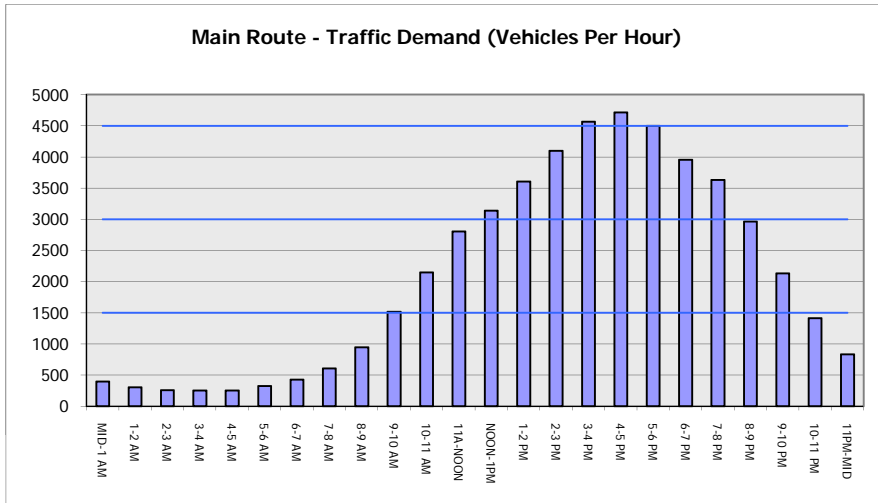
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$138,913
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	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	459	0.0	54	0.0	OFF	459	0	54	0.00	0	70.2	70.2	70.2	19.4	19.4
1-2 AM	286	0.0	33	0.0	OFF	286	0	33	0.00	0	70.2	70.2	70.2	19.6	19.6
2-3 AM	239	0.0	28	0.0	OFF	239	0	28	0.00	0	70.2	70.2	70.2	19.6	19.6
3-4 AM	197	0.0	23	0.0	OFF	197	0	23	0.00	0	70.2	70.2	70.2	19.7	19.7
4-5 AM	246	0.0	29	0.0	OFF	246	0	29	0.00	0	70.2	70.2	70.2	19.6	19.6
5-6 AM	339	0.0	40	0.0	OFF	339	0	40	0.00	0	70.2	70.2	70.2	19.6	19.6
6-7 AM	588	0.0	69	0.0	OFF	588	0	69	0.00	0	70.0	70.0	70.0	19.3	19.3
7-8 AM	949	0.0	112	0.0	OFF	949	0	112	0.00	0	69.6	69.6	69.6	19.0	19.0
8-9 AM	1432	0.0	169	0.0	OFF	1432	0	169	0.00	0	68.9	68.9	68.9	18.6	18.6
9-10 AM	2200	0.0	259	0.0	2999	2200	0	259	0.33	0	68.0	55.0	49.7	17.8	17.8
10-11 AM	2931	0.0	345	0.0	2999	2931	0	345	0.80	9	67.1	43.0	39.0	17.1	17.1
11A-NOON	3347	0.0	395	0.0	3000	3347	0	395	3.85	194	66.6	19.3	37.3	16.8	17.3
NOON-1PM	3445	0.0	406	0.0	2999	3213	232	638	10.15	523	66.4	11.7	37.3	16.7	17.4
1-2 PM	3493	0.0	411	0.0	2999	3034	459	870	11.93	618	66.4	10.9	37.3	16.6	16.0
2-3 PM	3474	0.0	409	0.0	2999	2992	482	891	12.11	628	66.4	10.8	37.3	16.6	15.8
3-4 PM	3424	0.0	403	0.0	2999	2974	450	852	11.79	610	66.5	10.9	37.3	16.7	16.1
4-5 PM	3345	0.0	394	0.0	3000	2954	391	784	11.26	581	66.6	11.1	37.3	16.8	16.5
5-6 PM	2965	0.0	350	0.0	2999	2835	130	479	9.20	468	67.1	12.2	37.3	17.1	18.4
6-7 PM	2382	0.0	280	0.0	2999	2382	0	280	1.74	142	67.8	31.6	44.8	17.6	18.1
7-8 PM	2074	0.0	244	0.0	OFF	2074	0	244	0.00	0	68.2	68.2	68.2	17.9	17.9
8-9 PM	1406	0.0	165	0.0	OFF	1406	0	165	0.00	0	69.0	69.0	69.0	18.6	18.6
9-10 PM	1049	0.0	123	0.0	OFF	1049	0	123	0.00	0	69.4	69.4	69.4	18.9	18.9
10-11 PM	789	0.0	93	0.0	OFF	789	0	93	0.00	0	69.7	69.7	69.7	19.1	19.1
11PM-MID	519	0.0	61	0.0	OFF	519	0	61	0.00	0	70.1	70.1	70.1	19.4	19.4

"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	0.0106
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.0230

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$70,903
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 OFF-PEAK DAY CLOSURE
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

