

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
	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	512	0.0	61	0.0	1500	512	0	61	0.53	0	70.1	50.4	43.5	19.4	19.4
1-2 AM	360	0.0	43	0.0	1500	360	0	43	0.52	0	70.2	50.9	44.0	19.6	19.6
2-3 AM	277	0.0	32	0.0	1500	277	0	32	0.51	0	70.2	51.2	44.4	19.6	19.6
3-4 AM	275	0.0	32	0.0	1500	275	0	32	0.51	0	70.2	51.2	44.4	19.6	19.6
4-5 AM	283	0.0	33	0.0	1500	283	0	33	0.51	0	70.2	51.2	44.3	19.6	19.6
5-6 AM	328	0.0	39	0.0	1500	328	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
6-7 AM	439	0.0	51	0.0	1500	439	0	51	0.53	0	70.2	50.7	43.7	19.5	19.5
7-8 AM	703	0.0	83	0.0	1500	703	0	83	0.55	0	69.9	49.7	42.7	19.3	19.3
8-9 AM	1109	0.0	131	0.0	1499	1109	0	131	0.66	0	69.4	46.9	39.7	18.8	18.8
9-10 AM	1648	0.0	194	0.0	1499	1648	0	194	2.01	39	68.7	28.1	31.1	18.3	18.3
10-11 AM	2480	0.0	292	0.0	1499	1772	708	1000	12.93	319	67.6	8.1	30.8	17.6	13.1
11A-NOON	3195	0.0	376	0.0	1499	1534	1661	2037+	20.14	500	66.8	6.3	30.8	16.9	9.6
NOON-1PM	3640	0.0	429	0.0	1499	1500	2140	2569+	20.30	505	66.0	6.3	30.8	16.5	9.5
1-2 PM	4334	0.0	511	0.0	1500	1500	2834	3344+	20.14	505	61.2	6.3	30.8	15.8	9.5
2-3 PM	5026	0.0	591	0.0	1500	1500	3526	4117+	19.94	505	56.5	6.3	30.8	15.2	9.5
3-4 PM	5356	0.0	631	0.0	1500	1500	3856	4487+	19.84	505	54.3	6.3	30.8	14.9	9.5
4-5 PM	5623	0.0	662	0.0	1500	1500	4123	4785+	19.75	505	52.5	6.3	30.8	14.7	9.5
5-6 PM	5271	0.0	621	0.0	1500	1500	3771	4391+	19.87	505	54.8	6.3	30.8	15.0	9.5
6-7 PM	4631	0.0	545	0.0	1500	1500	3131	3677+	20.06	505	59.2	6.3	30.8	15.6	9.5
7-8 PM	3943	0.0	465	0.0	1500	1500	2443	2907+	20.23	505	63.9	6.3	30.8	16.2	9.5
8-9 PM	3244	0.0	382	0.0	1499	1517	1727	2109+	20.23	502	66.7	6.3	30.8	16.9	9.6
9-10 PM	2353	0.0	277	0.0	1500	1320	1033	1310	16.57	410	67.8	7.0	30.8	17.7	11.0
10-11 PM	1573	0.0	185	0.0	1500	1340	233	418	8.59	200	68.8	10.2	31.1	18.4	17.1
11PM-MID	1101	0.0	130	0.0	1499	1101	0	130	1.45	38	69.4	33.8	37.9	18.9	18.9

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0147
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.1239

PIA: Personal Injury Accidents

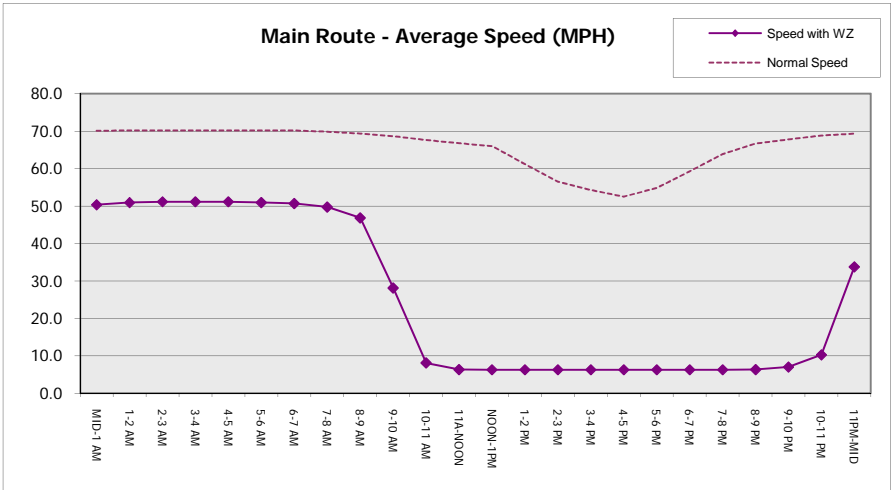
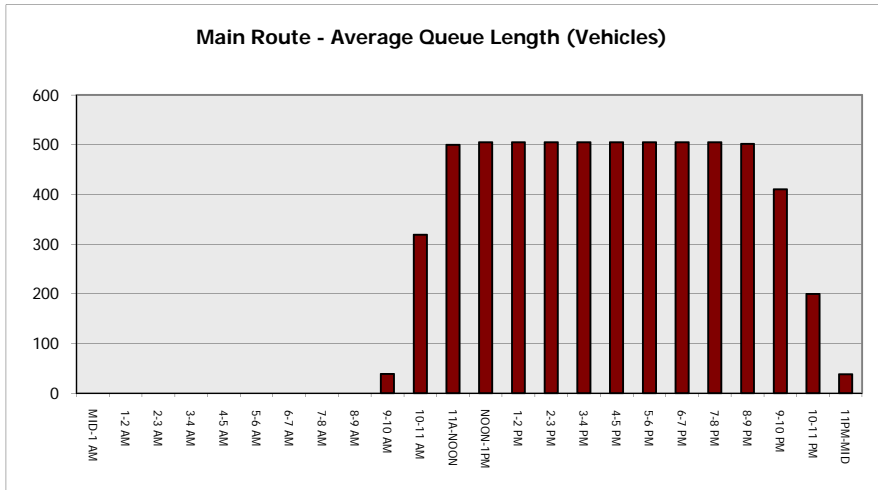
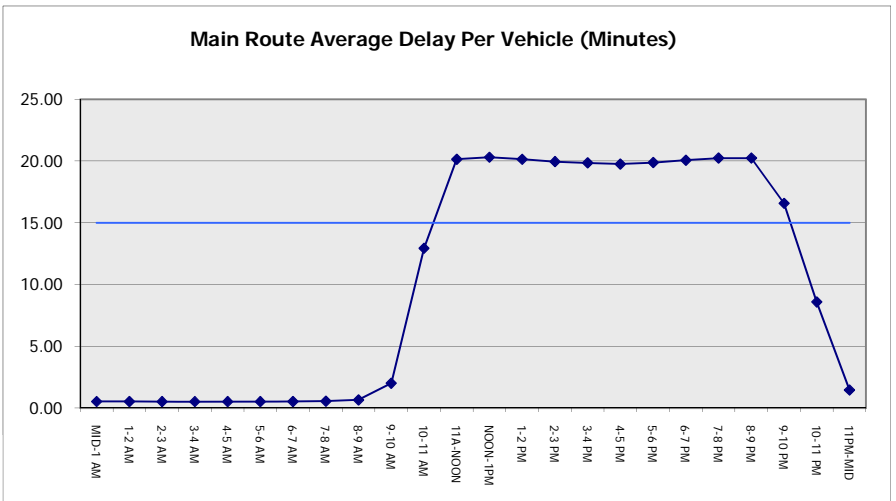
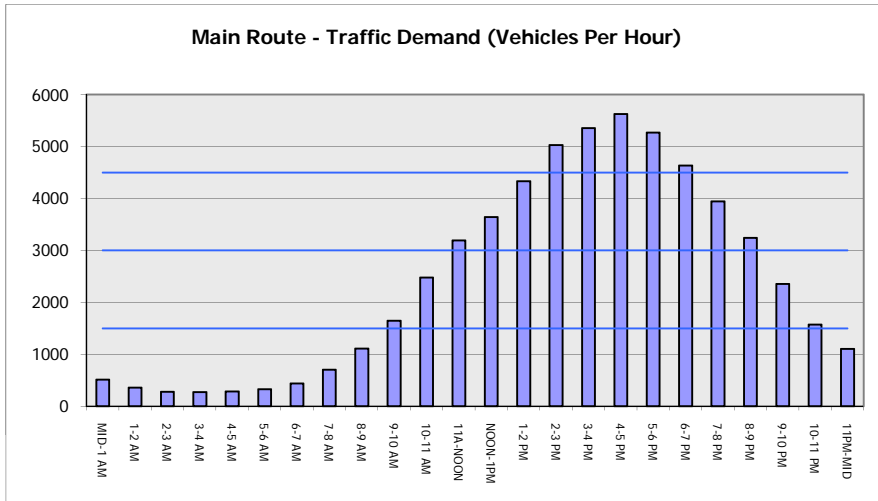
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$300,125
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

**IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
 CONTINUOUS (24 HOUR) 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
SUNDAY WESTBOUND DIRECTION



IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	AUGUST
	Analyzed for 2009 Construction Season

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	498	0.0	59	0.0	1500	498	0	59	0.53	0	70.1	50.4	43.5	19.4	19.4
1-2 AM	327	0.0	39	0.0	1500	327	0	39	0.51	0	70.2	51.0	44.2	19.6	19.6
2-3 AM	248	0.0	29	0.0	1500	248	0	29	0.50	0	70.2	51.3	44.5	19.6	19.6
3-4 AM	210	0.0	25	0.0	1500	210	0	25	0.50	0	70.2	51.4	44.6	19.7	19.7
4-5 AM	223	0.0	26	0.0	1500	223	0	26	0.50	0	70.2	51.4	44.6	19.7	19.7
5-6 AM	350	0.0	41	0.0	1500	350	0	41	0.52	0	70.2	50.9	44.1	19.6	19.6
6-7 AM	736	0.0	87	0.0	1500	736	0	87	0.56	0	69.8	49.6	42.6	19.2	19.2
7-8 AM	1246	0.0	147	0.0	1499	1246	0	147	0.76	0	69.2	44.7	37.3	18.7	18.7
8-9 AM	1841	0.0	217	0.0	1499	1784	57	273	4.23	111	68.4	17.4	30.8	18.2	17.9
9-10 AM	2714	0.0	319	0.0	1499	1730	984	1303	16.11	399	67.4	7.1	30.8	17.4	11.2
10-11 AM	3487	0.0	410	0.0	1499	1500	1987	2397+	20.31	505	66.4	6.3	30.8	16.6	9.5
11A-NOON	3649	0.0	430	0.0	1500	1500	2149	2579+	20.30	505	66.0	6.3	30.8	16.5	9.5
NOON-1PM	4024	0.0	474	0.0	1500	1500	2524	2998+	20.21	505	63.3	6.3	30.8	16.1	9.5
1-2 PM	3943	0.0	465	0.0	1500	1500	2443	2907+	20.23	505	63.9	6.3	30.8	16.2	9.5
2-3 PM	3599	0.0	424	0.0	1500	1500	2099	2523+	20.31	505	66.3	6.3	30.8	16.5	9.5
3-4 PM	3462	0.0	407	0.0	1500	1500	1962	2369+	20.32	505	66.4	6.3	30.8	16.6	9.5
4-5 PM	3336	0.0	392	0.0	1500	1500	1836	2229+	20.32	505	66.6	6.3	30.8	16.8	9.5
5-6 PM	2920	0.0	344	0.0	1499	1486	1434	1779+	20.11	499	67.1	6.3	30.8	17.1	9.6
6-7 PM	2619	0.0	309	0.0	1499	1436	1182	1491	19.28	477	67.5	6.5	30.8	17.5	9.9
7-8 PM	2207	0.0	260	0.0	1499	1344	864	1123	14.10	344	68.0	7.6	30.8	17.8	12.2
8-9 PM	1845	0.0	218	0.0	1500	1423	422	639	10.04	235	68.4	9.3	30.8	18.1	15.5
9-10 PM	1303	0.0	154	0.0	1499	1285	18	172	4.47	116	69.1	16.6	33.2	18.7	18.6
10-11 PM	902	0.0	106	0.0	1500	902	0	106	0.58	0	69.6	49.1	42.0	19.1	19.1
11PM-MID	621	0.0	73	0.0	1500	621	0	73	0.55	0	70.0	50.0	43.0	19.3	19.3

+ 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	0.0118
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.0829

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$226,049
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
CONTINUOUS (24 HOUR) 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
SUNDAY EASTBOUND DIRECTION

