

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY) NIGHTTIME 2 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	1500	586	0	69	0.54	0	70.0	50.1	43.2	19.3	19.3
1-2 AM	506	0.0	60	0.0	1500	506	0	60	0.53	0	70.1	50.4	43.5	19.4	19.4
2-3 AM	555	0.0	65	0.0	1500	555	0	65	0.54	0	70.0	50.2	43.3	19.4	19.4
3-4 AM	641	0.0	75	0.0	1500	641	0	75	0.55	0	69.9	49.9	43.0	19.3	19.3
4-5 AM	973	0.0	114	0.0	1499	973	0	114	0.58	0	69.6	48.8	41.8	19.0	19.0
5-6 AM	1746	0.0	205	0.0	OFF	1746	0	205	0.00	0	68.6	68.6	68.6	18.3	18.3
6-7 AM	2032	0.0	240	0.0	OFF	2032	0	240	0.00	0	68.2	68.2	68.2	18.0	18.0
7-8 AM	2199	0.0	259	0.0	OFF	2199	0	259	0.00	0	68.0	68.0	68.0	17.8	17.8
8-9 AM	2046	0.0	241	0.0	OFF	2046	0	241	0.00	0	68.2	68.2	68.2	18.0	18.0
9-10 AM	2129	0.0	251	0.0	OFF	2129	0	251	0.00	0	68.1	68.1	68.1	17.9	17.9
10-11 AM	2403	0.0	283	0.0	OFF	2403	0	283	0.00	0	67.8	67.8	67.8	17.6	17.6
11A-NOON	2698	0.0	318	0.0	OFF	2698	0	318	0.00	0	67.4	67.4	67.4	17.4	17.4
NOON-1PM	2890	0.0	340	0.0	OFF	2890	0	340	0.00	0	67.1	67.1	67.1	17.2	17.2
1-2 PM	3337	0.0	394	0.0	OFF	3337	0	394	0.00	0	66.6	66.6	66.6	16.8	16.8
2-3 PM	3673	0.0	432	0.0	OFF	3673	0	432	0.00	0	65.8	65.8	65.8	16.5	16.5
3-4 PM	3664	0.0	431	0.0	OFF	3664	0	431	0.00	0	65.8	65.8	65.8	16.5	16.5
4-5 PM	3619	0.0	426	0.0	OFF	3619	0	426	0.00	0	66.1	66.1	66.1	16.5	16.5
5-6 PM	3379	0.0	398	0.0	OFF	3379	0	398	0.00	0	66.5	66.5	66.5	16.8	16.8
6-7 PM	2916	0.0	343	0.0	OFF	2916	0	343	0.00	0	67.1	67.1	67.1	17.2	17.2
7-8 PM	2427	0.0	286	0.0	1499	1848	579	865	11.82	294	67.7	8.5	30.8	17.6	14.1
8-9 PM	2069	0.0	244	0.0	1500	1396	673	917	12.06	288	68.2	8.3	30.8	17.9	13.6
9-10 PM	1590	0.0	187	0.0	1500	1426	164	352	8.50	194	68.7	10.2	30.8	18.4	17.5
10-11 PM	1256	0.0	148	0.0	1499	1256	0	148	2.72	81	69.2	23.4	34.6	18.7	18.8
11PM-MID	775	0.0	91	0.0	1500	775	0	91	0.56	0	69.7	49.5	42.5	19.1	19.1

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

----- 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	0.0127
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0239

PIA: Personal Injury Accidents

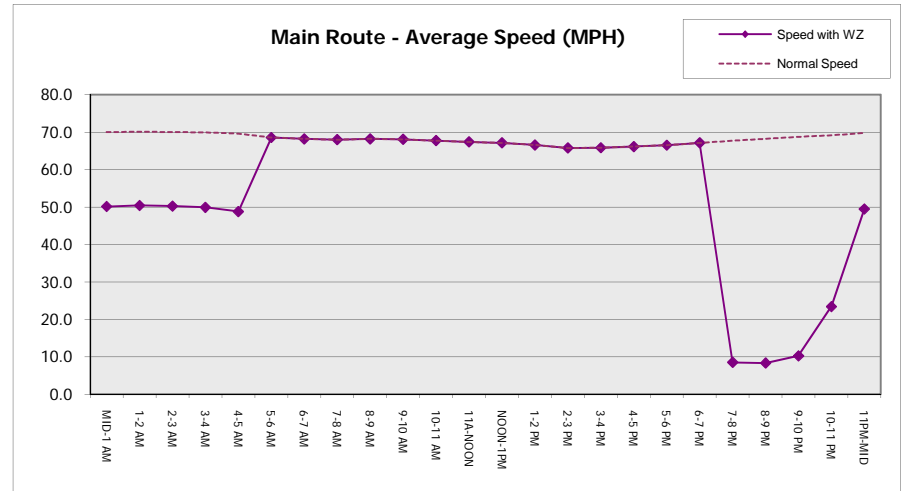
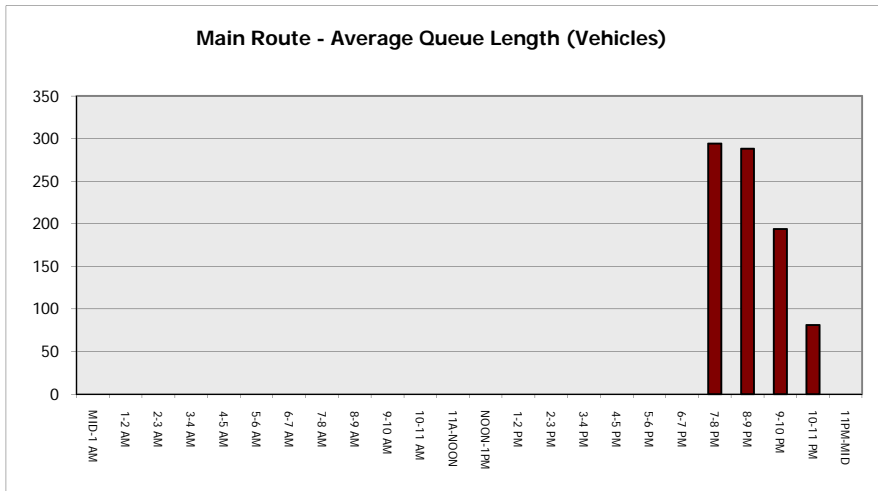
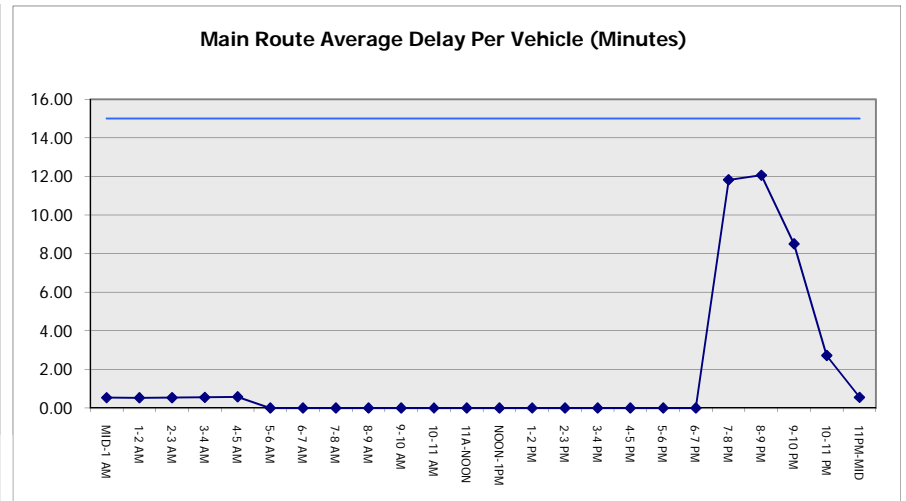
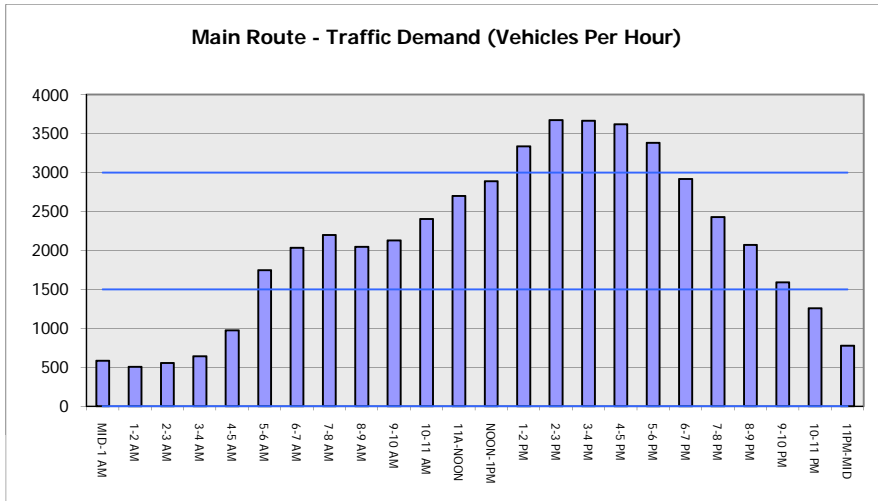
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$18,368
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
NIGHTTIME 2 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD	OCTOBER
	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						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	561	0.0	66	0.0	1500	561	0	66	0.54	0	70.0	50.2	43.3	19.4	19.4
1-2 AM	413	0.0	48	0.0	1500	413	0	48	0.52	0	70.2	50.7	43.8	19.5	19.5
2-3 AM	321	0.0	38	0.0	1500	321	0	38	0.51	0	70.2	51.0	44.2	19.6	19.6
3-4 AM	373	0.0	44	0.0	1500	373	0	44	0.52	0	70.2	50.9	44.0	19.5	19.5
4-5 AM	457	0.0	53	0.0	1500	457	0	53	0.53	0	70.2	50.6	43.7	19.4	19.4
5-6 AM	812	0.0	95	0.0	OFF	812	0	95	0.00	0	69.7	69.7	69.7	19.1	19.1
6-7 AM	1254	0.0	148	0.0	OFF	1254	0	148	0.00	0	69.2	69.2	69.2	18.7	18.7
7-8 AM	1962	0.0	231	0.0	OFF	1962	0	231	0.00	0	68.3	68.3	68.3	18.1	18.1
8-9 AM	2209	0.0	261	0.0	OFF	2209	0	261	0.00	0	68.0	68.0	68.0	17.8	17.8
9-10 AM	2790	0.0	329	0.0	OFF	2790	0	329	0.00	0	67.3	67.3	67.3	17.3	17.3
10-11 AM	3294	0.0	388	0.0	OFF	3294	0	388	0.00	0	66.6	66.6	66.6	16.8	16.8
11A-NOON	3364	0.0	396	0.0	OFF	3364	0	396	0.00	0	66.6	66.6	66.6	16.8	16.8
NOON-1PM	3426	0.0	403	0.0	OFF	3426	0	403	0.00	0	66.4	66.4	66.4	16.7	16.7
1-2 PM	4045	0.0	476	0.0	OFF	4045	0	476	0.00	0	63.2	63.2	63.2	16.1	16.1
2-3 PM	4296	0.0	506	0.0	OFF	4296	0	506	0.00	0	61.5	61.5	61.5	15.9	15.9
3-4 PM	4517	0.0	532	0.0	OFF	4517	0	532	0.00	0	60.0	60.0	60.0	15.7	15.7
4-5 PM	4453	0.0	524	0.0	OFF	4453	0	524	0.00	0	60.4	60.4	60.4	15.8	15.8
5-6 PM	4058	0.0	478	0.0	OFF	4058	0	478	0.00	0	63.2	63.2	63.2	16.1	16.1
6-7 PM	3731	0.0	440	0.0	OFF	3731	0	440	0.00	0	65.4	65.4	65.4	16.4	16.4
7-8 PM	2863	0.0	337	0.0	1499	1951	912	1249	14.96	379	67.2	7.5	30.8	17.2	12.0
8-9 PM	1870	0.0	220	0.0	1499	1247	624	844	11.59	284	68.4	8.6	31.1	18.1	14.2
9-10 PM	1478	0.0	174	0.0	1500	1429	49	223	7.51	168	68.9	11.1	30.8	18.5	18.4
10-11 PM	1198	0.0	141	0.0	1499	1198	0	141	1.45	34	69.2	33.7	37.2	18.8	18.8
11PM-MID	897	0.0	106	0.0	1500	897	0	106	0.58	0	69.6	49.1	42.0	19.1	19.1

"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	0.0139
MAIN ROUTE WITH WORKS	0.0129
DIVERSION	0.0262

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$19,925
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: STH 35 N TO CARMICHAEL RD (ST CROIX COUNTY)
NIGHTTIME 2 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 EASTBOUND DIRECTION

