

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	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	1500	397	0	47	0.52	0	70.2	50.8	43.9	19.5	19.5
1-2 AM	304	0.0	36	0.0	1500	304	0	36	0.51	0	70.2	51.1	44.3	19.6	19.6
2-3 AM	260	0.0	30	0.0	1500	260	0	30	0.50	0	70.2	51.2	44.5	19.6	19.6
3-4 AM	251	0.0	29	0.0	1500	251	0	29	0.50	0	70.2	51.3	44.5	19.6	19.6
4-5 AM	253	0.0	29	0.0	1500	253	0	29	0.50	0	70.2	51.0	44.2	19.6	19.6
5-6 AM	325	0.0	39	0.0	1500	325	0	39	0.51	0	70.2	50.7	43.8	19.5	19.5
6-7 AM	426	0.0	50	0.0	1500	426	0	50	0.54	0	70.0	50.1	43.1	19.3	19.3
7-8 AM	606	0.0	71	0.0	1500	606	0	71	0.58	0	69.6	48.9	41.9	19.0	19.0
8-9 AM	946	0.0	111	0.0	1499	946	0	111	1.56	20	68.9	32.5	32.3	18.4	18.4
9-10 AM	1516	0.0	179	0.0	1500	1738	409	663	9.90	243	68.1	9.4	30.8	17.9	15.4
10-11 AM	2805	0.0	331	0.0	1500	1664	1141	1472	17.68	439	67.3	6.8	30.8	17.3	10.5
11A-NOON	3138	0.0	369	0.0	1500	1511	1627	1997+	20.26	503	66.8	6.3	30.8	17.0	9.6
NOON-1PM	3603	0.0	424	0.0	1500	1500	2103	2527+	20.31	505	66.3	6.3	30.8	16.5	9.5
1-2 PM	4097	0.0	482	0.0	1499	1500	2597	3080+	20.19	505	62.8	6.3	30.8	16.1	9.5
2-3 PM	4564	0.0	538	0.0	1500	1500	3064	3602+	20.07	505	59.7	6.3	30.8	15.6	9.5
3-4 PM	4716	0.0	556	0.0	1500	1500	3216	3771+	20.03	505	58.6	6.3	30.8	15.5	9.5
4-5 PM	4496	0.0	530	0.0	1500	1500	2996	3526+	20.09	505	60.1	6.3	30.8	15.7	9.5
5-6 PM	3953	0.0	466	0.0	1499	1500	2453	2919+	20.23	505	63.8	6.3	30.8	16.2	9.5
6-7 PM	3633	0.0	428	0.0	1499	1500	2133	2561+	20.30	505	66.0	6.3	30.8	16.5	9.5
7-8 PM	2965	0.0	350	0.0	1500	1501	1464	1814+	20.13	499	67.1	6.3	30.8	17.1	9.6
8-9 PM	2132	0.0	251	0.0	1499	1248	884	1135	14.36	356	68.1	7.6	30.9	17.9	12.2
9-10 PM	1411	0.0	166	0.0	1500	1310	101	267	6.70	158	69.0	12.2	32.0	18.6	18.0
10-11 PM	832	0.0	98	0.0	1500	832	0	98	0.63	2	69.7	47.7	42.3	19.1	19.1

+ 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	0.0127
MAIN ROUTE WITH WORKS	0.0048
DIVERSION	0.0980

PIA: Personal Injury Accidents

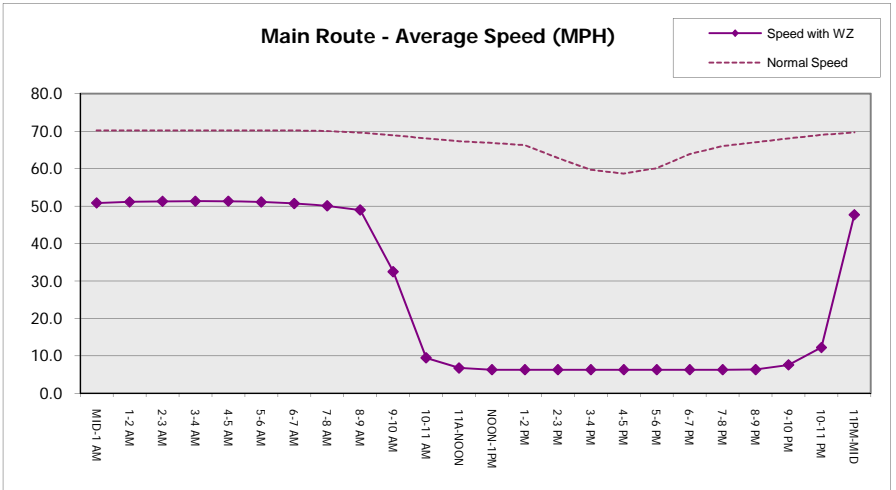
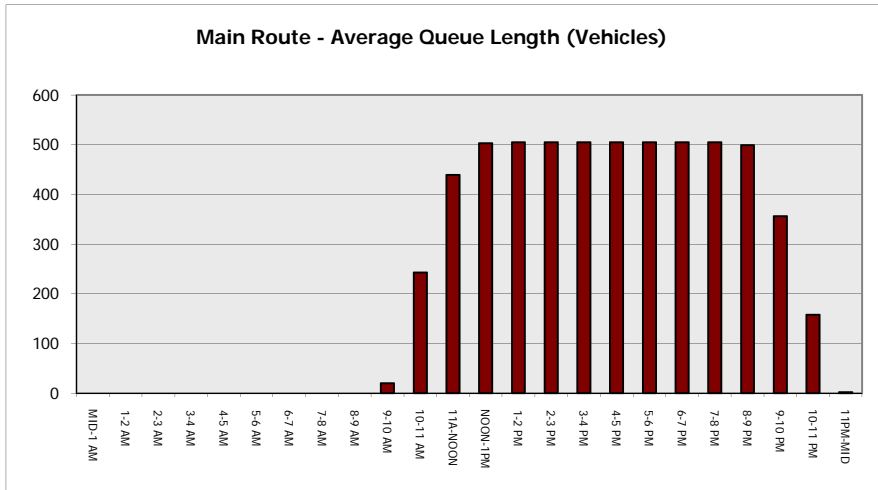
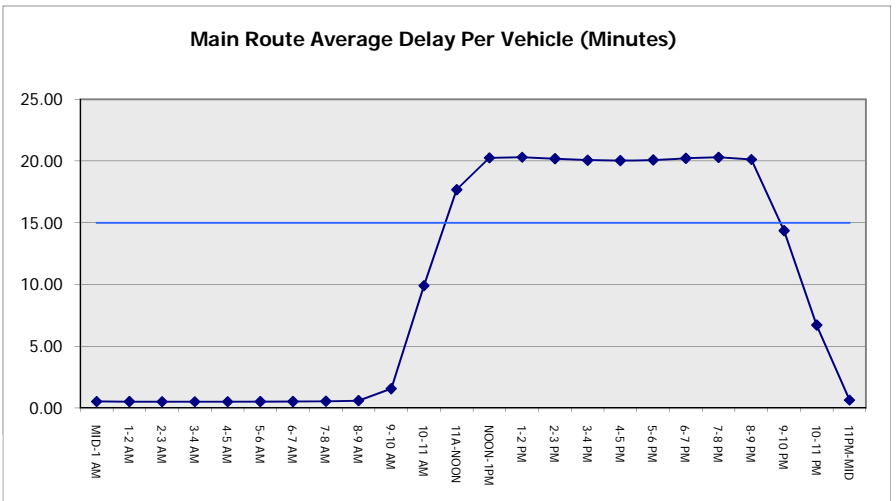
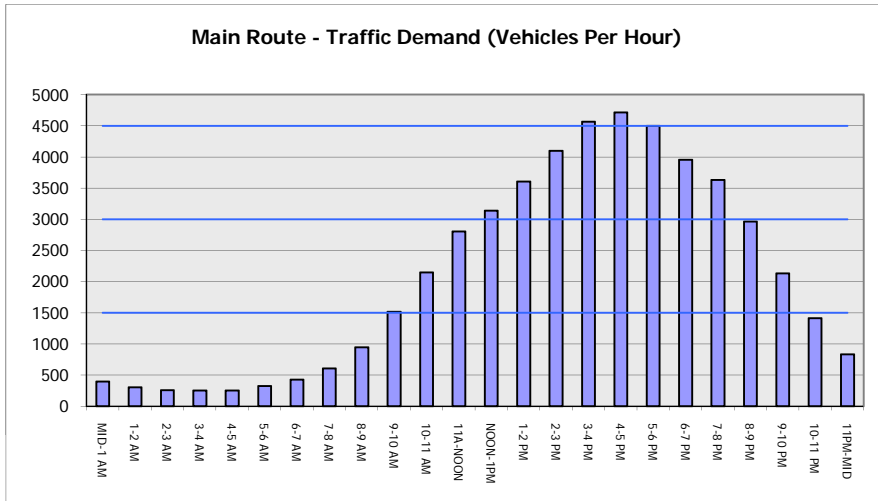
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$252,403
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 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
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	OCTOBER
	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						
	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	459	0.0	54	0.0	1500	459	0	54	0.53	0	70.2	50.5	43.7	19.4	19.4
1-2 AM	286	0.0	33	0.0	1500	286	0	33	0.51	0	70.2	51.2	44.3	19.6	19.6
2-3 AM	239	0.0	28	0.0	1500	239	0	28	0.50	0	70.2	51.3	44.5	19.6	19.6
3-4 AM	197	0.0	23	0.0	1500	197	0	23	0.50	0	70.2	51.5	44.7	19.7	19.7
4-5 AM	246	0.0	29	0.0	1500	246	0	29	0.50	0	70.2	51.3	44.5	19.6	19.6
5-6 AM	339	0.0	40	0.0	1500	339	0	40	0.51	0	70.2	51.0	44.2	19.6	19.6
6-7 AM	588	0.0	69	0.0	1500	588	0	69	0.54	0	70.0	50.1	43.2	19.3	19.3
7-8 AM	949	0.0	112	0.0	1499	949	0	112	0.58	0	69.6	48.9	41.9	19.0	19.0
8-9 AM	1432	0.0	169	0.0	1499	1432	0	169	1.25	11	68.9	36.3	33.5	18.6	18.6
9-10 AM	2200	0.0	259	0.0	1500	1801	399	658	9.88	249	68.0	9.6	30.8	17.8	15.5
10-11 AM	2931	0.0	345	0.0	1500	1645	1286	1631+	18.57	461	67.1	6.6	30.8	17.1	10.1
11A-NOON	3347	0.0	395	0.0	1499	1500	1847	2241+	20.32	505	66.6	6.3	30.8	16.8	9.5
NOON-1PM	3445	0.0	406	0.0	1500	1500	1945	2352+	20.32	505	66.4	6.3	30.8	16.7	9.5
1-2 PM	3493	0.0	411	0.0	1499	1500	1993	2404+	20.31	505	66.4	6.3	30.8	16.6	9.5
2-3 PM	3474	0.0	409	0.0	1499	1500	1974	2383+	20.31	505	66.4	6.3	30.8	16.6	9.5
3-4 PM	3424	0.0	403	0.0	1500	1500	1924	2327+	20.32	505	66.5	6.3	30.8	16.7	9.5
4-5 PM	3345	0.0	394	0.0	1500	1500	1845	2238+	20.32	505	66.6	6.3	30.8	16.8	9.5
5-6 PM	2965	0.0	350	0.0	1500	1508	1457	1807+	20.13	499	67.1	6.3	30.8	17.1	9.6
6-7 PM	2382	0.0	280	0.0	1499	1337	1045	1325	16.77	413	67.8	7.0	30.8	17.6	10.9
7-8 PM	2074	0.0	244	0.0	1500	1408	666	910	12.00	287	68.2	8.3	30.8	17.9	13.7
8-9 PM	1406	0.0	165	0.0	1500	1321	85	250	6.74	156	69.0	12.2	31.7	18.6	18.1
9-10 PM	1049	0.0	123	0.0	1500	1049	0	124	0.73	5	69.4	45.4	41.0	18.9	18.9
10-11 PM	789	0.0	93	0.0	1500	789	0	93	0.56	0	69.7	49.4	42.4	19.1	19.1
11PM-MID	519	0.0	61	0.0	1500	519	0	61	0.53	0	70.1	50.4	43.4	19.4	19.4

+ 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	0.0106
MAIN ROUTE WITH WORKS	0.0047
DIVERSION	0.0697

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$193,419
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: STH 35 - COULEE RD - CARMICHAEL RD**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

