

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12	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	559	0.0	37	0.0	OFF	559	0	37	0.00	0	70.0	70.0	70.0	19.6	19.6
1-2 AM	465	0.0	30	0.0	OFF	465	0	30	0.00	0	70.2	70.2	70.2	19.7	19.7
2-3 AM	484	0.0	32	0.0	OFF	484	0	32	0.00	0	70.1	70.1	70.1	19.7	19.7
3-4 AM	563	0.0	37	0.0	OFF	563	0	37	0.00	0	70.0	70.0	70.0	19.6	19.6
4-5 AM	937	0.0	62	0.0	OFF	937	0	62	0.00	0	69.6	69.6	69.6	19.5	19.5
5-6 AM	1492	0.0	98	0.0	OFF	1492	0	98	0.00	0	68.9	68.9	68.9	19.3	19.3
6-7 AM	1741	0.0	116	0.0	OFF	1741	0	116	0.00	0	68.6	68.6	68.6	19.1	19.1
7-8 AM	1859	0.0	123	0.0	OFF	1859	0	123	0.00	0	68.4	68.4	68.4	19.1	19.1
8-9 AM	1812	0.0	120	0.0	OFF	1812	0	120	0.00	0	68.5	68.5	68.5	19.1	19.1
9-10 AM	1965	0.0	130	0.0	1499	1704	261	391	6.54	152	68.3	11.3	30.8	19.1	18.1
10-11 AM	2288	0.0	151	0.0	1500	1544	744	896	9.92	231	67.9	8.6	30.8	18.9	15.5
11A-NOON	2520	0.0	166	0.0	1500	1534	986	1153	11.33	268	67.6	8.0	30.8	18.8	14.0
NOON-1PM	2619	0.0	173	0.0	1499	1524	1095	1268	12.09	288	67.5	7.7	30.8	18.8	13.4
1-2 PM	3033	0.0	201	0.0	1500	1592	1441	1642+	15.18	371	66.9	6.8	30.8	18.6	11.5
2-3 PM	3226	0.0	214	0.0	1499	1500	1726	1940+	16.42	402	66.7	6.6	30.8	18.6	10.9
3-4 PM	3232	0.0	214	0.0	1500	1500	1732	1946+	16.42	402	66.7	6.6	30.8	18.6	10.9
4-5 PM	3097	0.0	205	0.0	OFF	3097	0	205	0.28	27	66.9	53.9	53.9	18.6	18.6
5-6 PM	2970	0.0	197	0.0	OFF	2970	0	197	0.00	0	67.1	67.1	67.1	18.6	18.6
6-7 PM	2737	0.0	182	0.0	OFF	2737	0	182	0.00	0	67.3	67.3	67.3	18.8	18.8
7-8 PM	2291	0.0	151	0.0	OFF	2291	0	151	0.00	0	67.9	67.9	67.9	18.9	18.9
8-9 PM	1919	0.0	128	0.0	OFF	1919	0	128	0.00	0	68.4	68.4	68.4	19.1	19.1
9-10 PM	1799	0.0	119	0.0	OFF	1799	0	119	0.00	0	68.5	68.5	68.5	19.1	19.1
10-11 PM	1351	0.0	90	0.0	OFF	1351	0	90	0.00	0	69.1	69.1	69.1	19.3	19.3
11PM-MID	894	0.0	59	0.0	OFF	894	0	59	0.00	0	69.6	69.6	69.6	19.5	19.5

"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	0.0095
MAIN ROUTE WITH WORKS	0.0071
DIVERSION	0.0336

PIA: Personal Injury Accidents

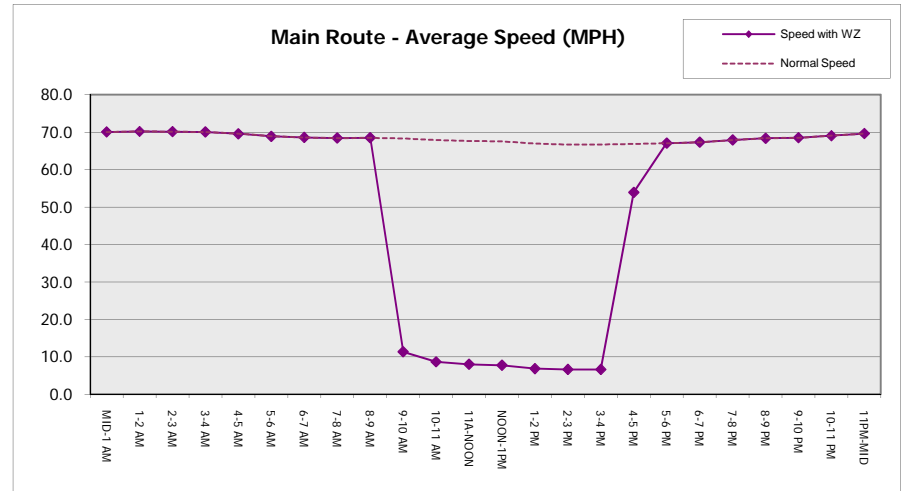
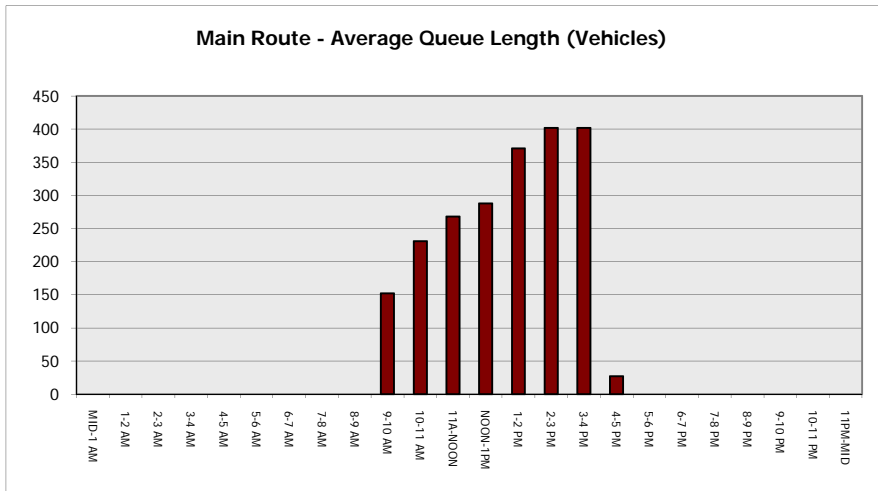
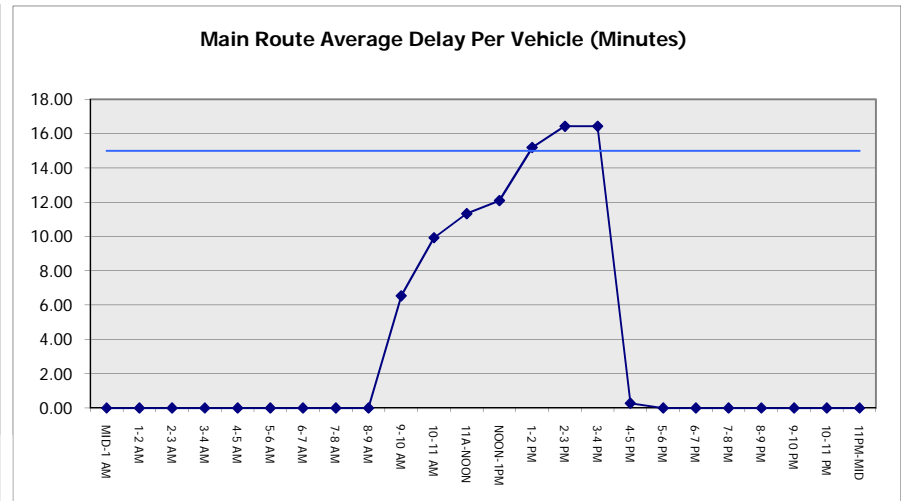
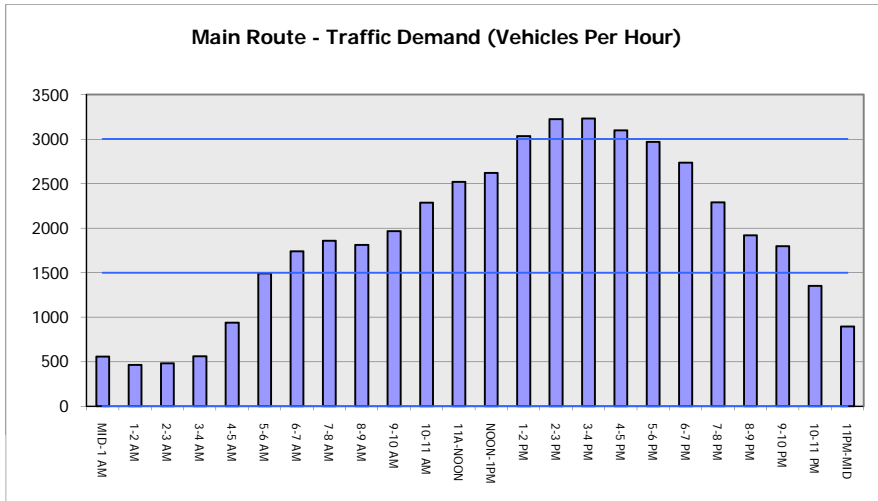
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$61,267
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12	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							
	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	629	0.0	42	0.0	OFF	629	0	42	0.00	0	69.9	69.9	69.9	19.6	19.6
1-2 AM	409	0.0	27	0.0	OFF	409	0	27	0.00	0	70.2	70.2	70.2	19.7	19.7
2-3 AM	358	0.0	24	0.0	OFF	358	0	24	0.00	0	70.2	70.2	70.2	19.7	19.7
3-4 AM	357	0.0	24	0.0	OFF	357	0	24	0.00	0	70.2	70.2	70.2	19.7	19.7
4-5 AM	451	0.0	30	0.0	OFF	451	0	30	0.00	0	70.2	70.2	70.2	19.7	19.7
5-6 AM	759	0.0	51	0.0	OFF	759	0	51	0.00	0	69.8	69.8	69.8	19.6	19.6
6-7 AM	1267	0.0	84	0.0	OFF	1267	0	84	0.00	0	69.2	69.2	69.2	19.4	19.4
7-8 AM	1860	0.0	123	0.0	OFF	1860	0	123	0.00	0	68.4	68.4	68.4	19.1	19.1
8-9 AM	2217	0.0	147	0.0	OFF	2217	0	147	0.00	0	68.0	68.0	68.0	18.9	18.9
9-10 AM	2834	0.0	188	0.0	1499	1895	940	1128	11.59	293	67.2	8.1	30.8	18.7	14.3
10-11 AM	3485	0.0	230	0.0	1499	1500	1985	2215+	16.41	402	66.4	6.6	30.8	18.4	10.9
11A-NOON	3534	0.0	235	0.0	1500	1500	2034	2269+	16.41	402	66.3	6.6	30.8	18.4	10.9
NOON-1PM	3530	0.0	233	0.0	1500	1500	2030	2263+	16.41	402	66.3	6.6	30.8	18.4	10.9
1-2 PM	4083	0.0	270	0.0	1500	1500	2583	2853+	16.31	402	63.0	6.6	30.8	18.2	10.9
2-3 PM	4236	0.0	281	0.0	1500	1500	2736	3017+	16.28	402	61.9	6.6	30.8	18.1	10.9
3-4 PM	4104	0.0	271	0.0	1500	1500	2604	2876+	16.31	402	62.8	6.6	30.8	18.2	10.9
4-5 PM	4160	0.0	276	0.0	OFF	4160	0	276	0.48	42	62.4	45.1	45.1	18.1	18.1
5-6 PM	3991	0.0	265	0.0	OFF	3991	0	265	0.00	0	63.6	63.6	63.6	18.3	18.3
6-7 PM	3810	0.0	252	0.0	OFF	3810	0	252	0.00	0	64.8	64.8	64.8	18.3	18.3
7-8 PM	2738	0.0	182	0.0	OFF	2738	0	182	0.00	0	67.3	67.3	67.3	18.8	18.8
8-9 PM	1929	0.0	128	0.0	OFF	1929	0	128	0.00	0	68.3	68.3	68.3	19.1	19.1
9-10 PM	1428	0.0	94	0.0	OFF	1428	0	94	0.00	0	68.9	68.9	68.9	19.3	19.3
10-11 PM	1218	0.0	81	0.0	OFF	1218	0	81	0.00	0	69.2	69.2	69.2	19.4	19.4
11PM-MID	918	0.0	61	0.0	OFF	918	0	61	0.00	0	69.6	69.6	69.6	19.5	19.5

"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	0.0112
MAIN ROUTE WITH WORKS	0.0074
DIVERSION	0.0565

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$101,107
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: CARMICHAEL RD - STAGELINE RD - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

