

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO 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	3000	559	0	37	0.36	0	70.0	53.0	49.7	19.6	19.6
1-2 AM	465	0.0	30	0.0	3000	465	0	30	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	484	0.0	32	0.0	3000	484	0	32	0.36	0	70.1	53.0	49.7	19.7	19.7
3-4 AM	563	0.0	37	0.0	3000	563	0	37	0.36	0	70.0	53.0	49.7	19.6	19.6
4-5 AM	937	0.0	62	0.0	3000	937	0	62	0.35	0	69.6	52.9	49.7	19.5	19.5
5-6 AM	1492	0.0	98	0.0	3000	1492	0	98	0.34	0	68.9	52.8	49.7	19.3	19.3
6-7 AM	1741	0.0	116	0.0	3000	1741	0	116	0.34	0	68.6	52.8	49.7	19.1	19.1
7-8 AM	1859	0.0	123	0.0	3000	1859	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
8-9 AM	1812	0.0	120	0.0	3000	1812	0	120	0.34	0	68.5	52.8	49.7	19.1	19.1
9-10 AM	1965	0.0	130	0.0	3000	1965	0	130	0.34	0	68.3	52.8	49.7	19.1	19.1
10-11 AM	2288	0.0	151	0.0	3000	2288	0	151	0.33	0	67.9	52.7	49.7	18.9	18.9
11A-NOON	2520	0.0	166	0.0	3000	2520	0	166	0.42	0	67.6	49.7	46.3	18.8	18.8
NOON-1PM	2619	0.0	173	0.0	2999	2619	0	173	0.48	0	67.5	47.7	44.2	18.8	18.8
1-2 PM	3033	0.0	201	0.0	2999	3033	0	201	0.93	13	66.9	37.3	37.6	18.6	18.6
2-3 PM	3226	0.0	214	0.0	3000	3226	0	214	3.46	161	66.7	18.6	37.3	18.6	19.3
3-4 PM	3232	0.0	214	0.0	3000	3132	101	315	7.51	376	66.7	12.5	37.3	18.6	20.3
4-5 PM	3097	0.0	205	0.0	2999	2970	126	332	7.88	394	66.9	12.3	37.3	18.6	20.4
5-6 PM	2970	0.0	197	0.0	3000	2953	16	213	7.36	365	67.1	12.7	37.3	18.6	20.9
6-7 PM	2737	0.0	182	0.0	2999	2737	0	182	4.57	225	67.3	16.2	38.3	18.8	20.1
7-8 PM	2291	0.0	151	0.0	3000	2290	0	151	0.39	4	67.9	50.7	49.4	18.9	18.9
8-9 PM	1919	0.0	128	0.0	3000	1919	0	128	0.34	0	68.4	52.8	49.7	19.1	19.1
9-10 PM	1799	0.0	119	0.0	3000	1799	0	119	0.34	0	68.5	52.8	49.7	19.1	19.1
10-11 PM	1351	0.0	90	0.0	3000	1351	0	90	0.35	0	69.1	52.8	49.7	19.3	19.3
11PM-MID	894	0.0	59	0.0	3000	894	0	59	0.35	0	69.6	53.0	49.7	19.5	19.5

----- 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	0.0064
DIVERSION	0.0100

PIA: Personal Injury Accidents

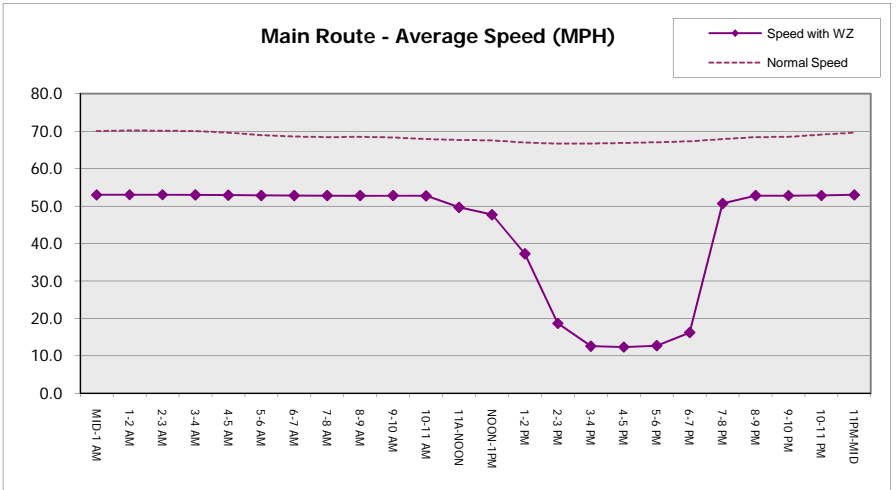
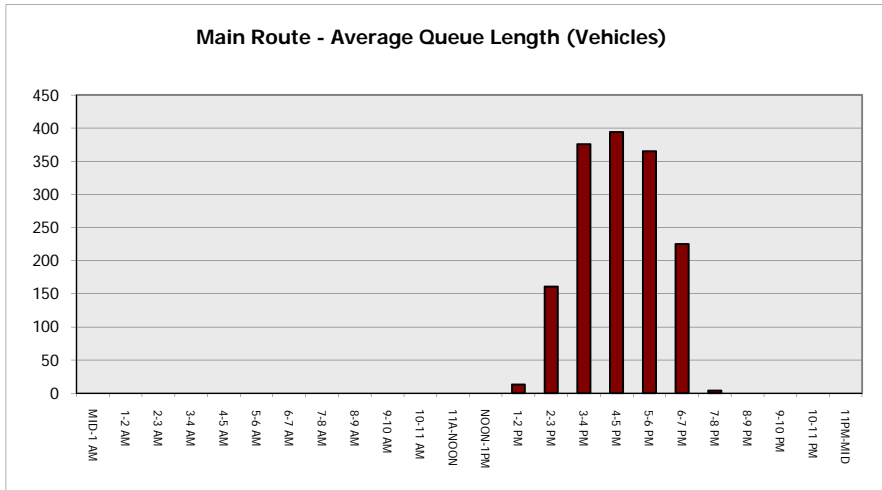
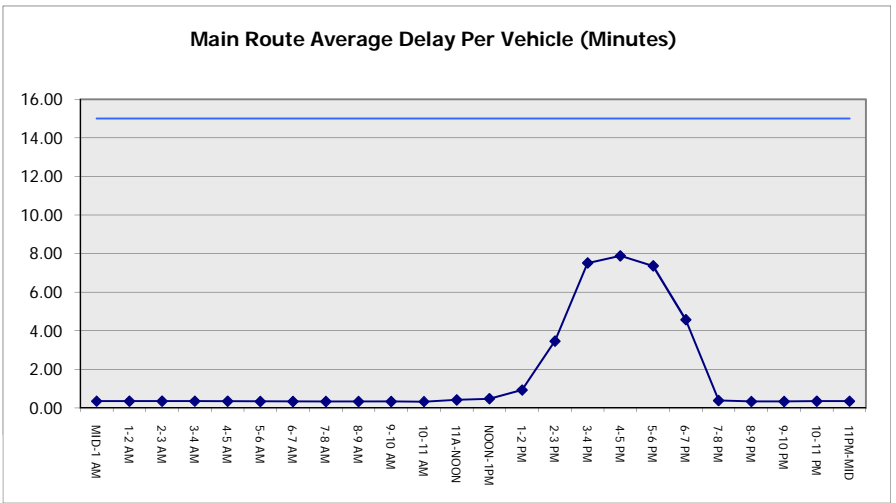
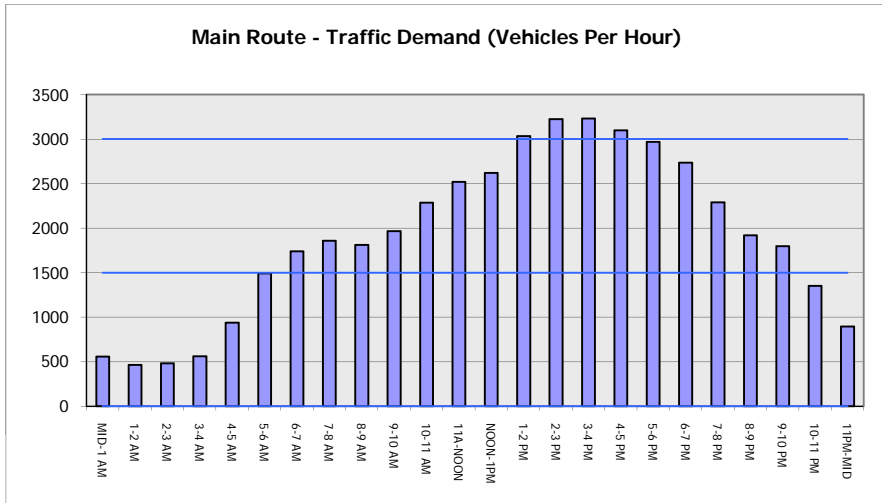
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$25,430
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO 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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO 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		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	629	0.0	42	0.0	3000	629	0	42	0.36	0	69.9	53.0	49.7	19.6	19.6
1-2 AM	409	0.0	27	0.0	3000	409	0	27	0.36	0	70.2	53.0	49.7	19.7	19.7
2-3 AM	358	0.0	24	0.0	3000	358	0	24	0.36	0	70.2	53.0	49.7	19.7	19.7
3-4 AM	357	0.0	24	0.0	3000	357	0	24	0.36	0	70.2	53.0	49.7	19.7	19.7
4-5 AM	451	0.0	30	0.0	3000	451	0	30	0.36	0	70.2	53.0	49.7	19.7	19.7
5-6 AM	759	0.0	51	0.0	3000	759	0	51	0.35	0	69.8	53.0	49.7	19.6	19.6
6-7 AM	1267	0.0	84	0.0	3000	1267	0	84	0.35	0	69.2	52.9	49.7	19.4	19.4
7-8 AM	1860	0.0	123	0.0	3000	1860	0	123	0.34	0	68.4	52.8	49.7	19.1	19.1
8-9 AM	2217	0.0	147	0.0	3000	2217	0	147	0.33	0	68.0	52.7	49.7	18.9	18.9
9-10 AM	2834	0.0	188	0.0	2999	2834	0	188	0.61	0	67.2	44.0	40.2	18.7	18.7
10-11 AM	3485	0.0	230	0.0	2999	3485	0	230	4.09	220	66.4	17.5	37.3	18.4	19.7
11A-NOON	3534	0.0	235	0.0	2999	3004	530	765	9.54	486	66.3	11.3	37.3	18.4	18.1
NOON-1PM	3530	0.0	233	0.0	2999	3013	517	751	9.48	483	66.3	11.3	37.3	18.4	18.1
1-2 PM	4083	0.0	270	0.0	3000	3189	894	1164	11.65	611	63.0	10.4	37.3	18.2	16.0
2-3 PM	4236	0.0	281	0.0	2999	3070	1166	1447	13.84	733	61.9	9.7	37.3	18.1	14.5
3-4 PM	4104	0.0	271	0.0	2999	2942	1162	1433	13.75	726	62.8	9.8	37.3	18.2	14.6
4-5 PM	4160	0.0	276	0.0	3000	3017	1143	1418	13.57	716	62.4	9.9	37.3	18.1	14.7
5-6 PM	3991	0.0	265	0.0	2999	2920	1072	1336	12.89	677	63.6	10.1	37.3	18.3	15.2
6-7 PM	3810	0.0	252	0.0	3000	2902	908	1160	11.67	607	64.8	10.4	37.3	18.3	16.0
7-8 PM	2738	0.0	182	0.0	2999	2580	158	340	6.51	339	67.3	13.7	38.8	18.8	19.9
8-9 PM	1929	0.0	128	0.0	3000	1929	0	128	0.42	8	68.3	49.9	49.7	19.1	19.1
9-10 PM	1428	0.0	94	0.0	3000	1428	0	94	0.34	0	68.9	52.8	49.7	19.3	19.3
10-11 PM	1218	0.0	81	0.0	3000	1218	0	81	0.35	0	69.2	52.9	49.7	19.4	19.4
11PM-MID	918	0.0	61	0.0	3000	918	0	61	0.35	0	69.6	53.0	49.7	19.5	19.5

----- 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	0.0066
DIVERSION	0.0340

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$99,904
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 94: CARMICHAEL RD TO STH 35 S (ST CROIX COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CARMICHAEL RD TO STAGELINE RD TO USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

