

<b>IH 94: STH 35 TO STH 65 (ST CROIX COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: STH 65 - USH 12</b>	<b>OCTOBER</b>
	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	225	0.0	45	0.0	OFF	225	0	45	0.00	0	66.0	66.0	66.0	39.2	39.2
1-2 AM	171	0.0	35	0.0	OFF	171	0	35	0.00	0	66.1	66.1	66.1	39.3	39.3
2-3 AM	147	0.0	29	0.0	OFF	147	0	29	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	142	0.0	28	0.0	OFF	142	0	28	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	143	0.0	28	0.0	OFF	143	0	28	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	185	0.0	37	0.0	OFF	185	0	37	0.00	0	66.0	66.0	66.0	39.3	39.3
6-7 AM	240	0.0	48	0.0	OFF	240	0	48	0.00	0	66.0	66.0	66.0	39.1	39.1
7-8 AM	343	0.0	68	0.0	OFF	343	0	68	0.00	0	65.8	65.8	65.8	38.9	38.9
8-9 AM	535	0.0	107	0.0	OFF	535	0	107	0.00	0	65.4	65.4	65.4	38.4	38.4
9-10 AM	857	0.0	172	0.0	1500	857	0	172	0.51	0	64.8	59.4	42.2	37.6	37.6
10-11 AM	1214	0.0	243	0.0	1499	1214	0	243	0.65	0	64.1	57.4	38.2	36.7	36.7
11A-NOON	1586	0.0	317	0.0	1499	1586	0	317	1.87	25	63.4	47.7	30.8	35.8	35.8
NOON-1PM	1774	0.0	355	0.0	1500	1753	21	376	8.13	205	63.1	26.0	30.8	35.3	35.1
1-2 PM	2037	0.0	407	0.0	1499	1574	464	871	14.97	379	62.6	17.4	30.8	34.7	28.9
2-3 PM	2316	0.0	463	0.0	1500	1599	717	1180	18.10	465	62.1	15.1	30.8	34.0	25.1
3-4 PM	2581	0.0	516	0.0	1500	1619	963	1478+	22.04	577	60.1	12.9	30.8	33.3	21.4
4-5 PM	2666	0.0	533	0.0	1499	1547	1119	1652+	25.10	660	59.2	11.6	30.8	33.1	19.3
5-6 PM	2543	0.0	508	0.0	1499	1426	1116	1624+	24.67	646	60.4	11.7	30.8	33.4	19.6
6-7 PM	2235	0.0	447	0.0	1499	1352	883	1330+	20.02	518	62.2	14.0	30.8	34.2	23.2
7-8 PM	2055	0.0	410	0.0	OFF	2055	0	410	0.97	53	62.5	53.5	53.5	34.7	34.7
8-9 PM	1676	0.0	335	0.0	OFF	1676	0	335	0.00	0	63.3	63.3	63.3	35.6	35.6
9-10 PM	1205	0.0	241	0.0	OFF	1205	0	241	0.00	0	64.1	64.1	64.1	36.8	36.8
10-11 PM	798	0.0	159	0.0	OFF	798	0	159	0.00	0	64.9	64.9	64.9	37.8	37.8
11PM-MID	470	0.0	94	0.0	OFF	470	0	94	0.00	0	65.5	65.5	65.5	38.6	38.6

"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 (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	0.0269
MAIN ROUTE WITH WORKS	0.0209
DIVERSION	0.1281

PIA: Personal Injury Accidents

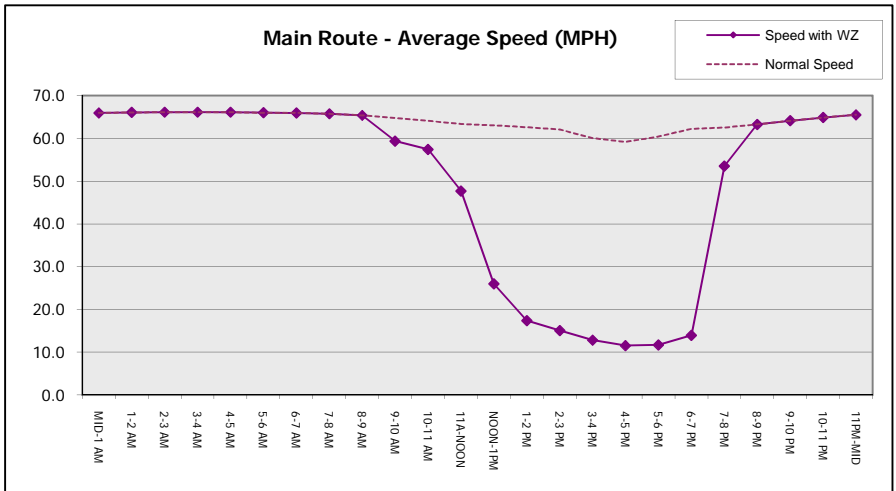
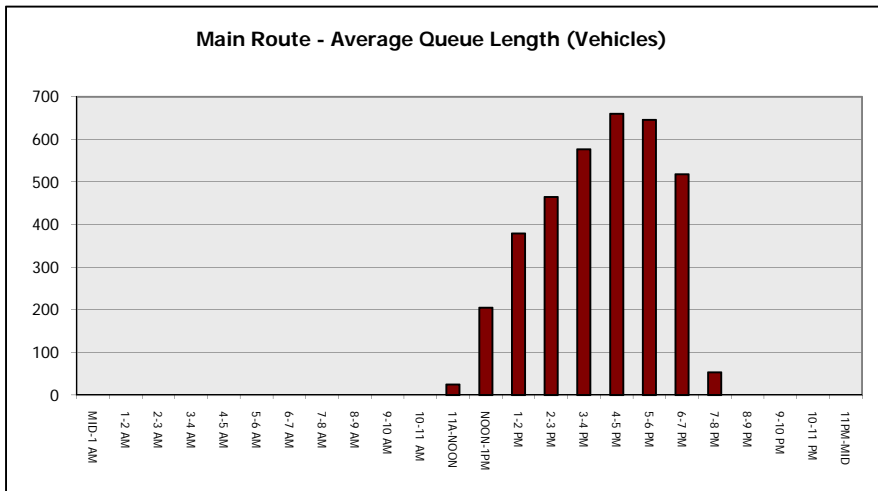
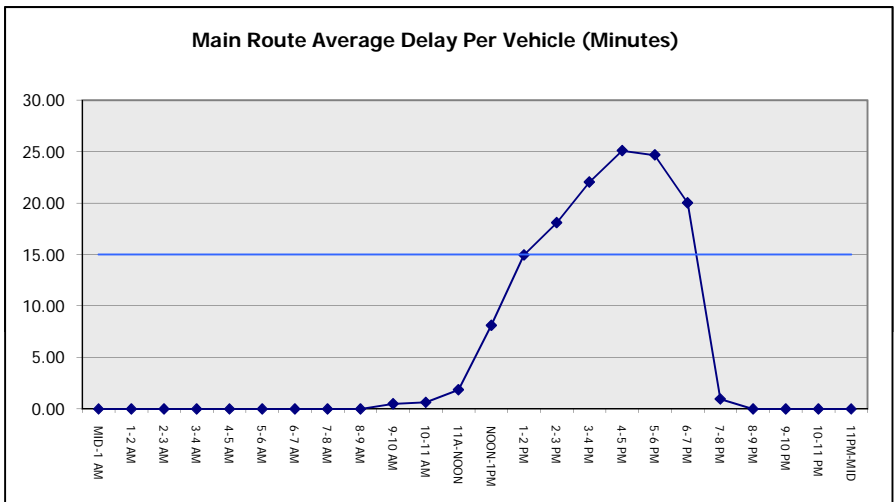
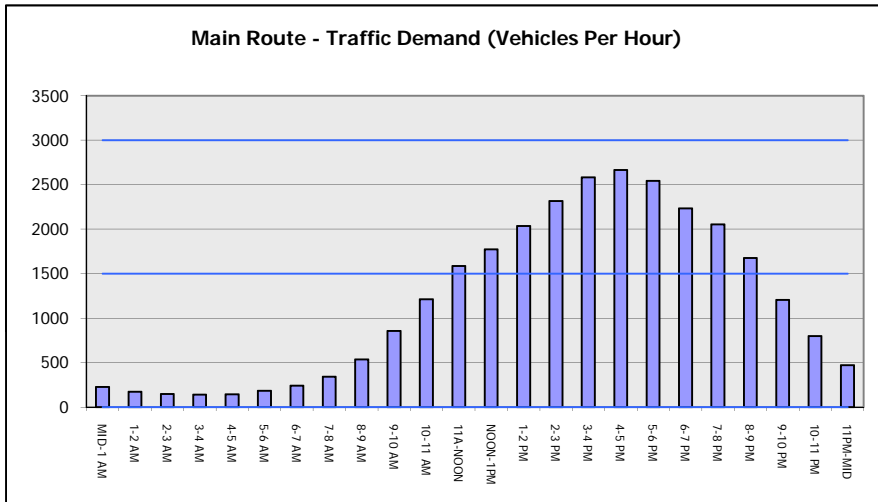
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$101,139
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

**IH 94: STH 35 TO STH 65 (ST CROIX COUNTY)  
OFF-PEAK DAY CLOSURE  
DIVERSION ROUTE: STH 65 - USH 12**

**OCTOBER**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 65 - USH 12</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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		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	260	0.0	52	0.0	OFF	260	0	52	0.00	0	65.9	65.9	65.9	39.1	39.1
1-2 AM	162	0.0	32	0.0	OFF	162	0	32	0.00	0	66.1	66.1	66.1	39.4	39.4
2-3 AM	135	0.0	27	0.0	OFF	135	0	27	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	112	0.0	22	0.0	OFF	112	0	22	0.00	0	66.2	66.2	66.2	39.5	39.5
4-5 AM	139	0.0	28	0.0	OFF	139	0	28	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	192	0.0	39	0.0	OFF	192	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
6-7 AM	333	0.0	66	0.0	OFF	333	0	66	0.00	0	65.8	65.8	65.8	38.9	38.9
7-8 AM	537	0.0	107	0.0	OFF	537	0	107	0.00	0	65.4	65.4	65.4	38.4	38.4
8-9 AM	810	0.0	162	0.0	OFF	810	0	162	0.00	0	64.9	64.9	64.9	37.8	37.8
9-10 AM	1244	0.0	248	0.0	1499	1244	0	248	0.69	0	64.1	57.1	37.4	36.6	36.6
10-11 AM	1658	0.0	331	0.0	1499	1658	0	331	2.93	58	63.3	41.8	30.8	35.6	35.6
11A-NOON	1892	0.0	378	0.0	1500	1705	187	565	11.79	300	62.8	20.6	30.8	35.0	32.7
NOON-1PM	1948	0.0	389	0.0	1499	1510	438	827	14.61	368	62.8	17.7	30.8	34.9	29.5
1-2 PM	1975	0.0	394	0.0	1500	1506	470	864	14.92	377	62.7	17.4	30.8	34.8	29.0
2-3 PM	1964	0.0	392	0.0	1499	1495	469	861	14.90	376	62.7	17.5	30.8	34.9	29.1
3-4 PM	1936	0.0	386	0.0	1500	1491	445	831	14.64	369	62.8	17.6	30.8	35.0	29.4
4-5 PM	1891	0.0	378	0.0	1500	1483	408	786	14.27	359	62.8	18.0	30.8	35.0	30.0
5-6 PM	1677	0.0	335	0.0	1499	1442	235	570	12.66	315	63.3	19.6	30.8	35.6	32.7
6-7 PM	1347	0.0	269	0.0	1499	1335	12	281	8.96	219	63.9	24.7	30.9	36.4	36.3
7-8 PM	1173	0.0	234	0.0	OFF	1173	0	234	0.06	2	64.2	63.5	63.5	36.8	36.8
8-9 PM	795	0.0	159	0.0	OFF	795	0	159	0.00	0	64.9	64.9	64.9	37.8	37.8
9-10 PM	594	0.0	118	0.0	OFF	594	0	118	0.00	0	65.3	65.3	65.3	38.3	38.3
10-11 PM	446	0.0	89	0.0	OFF	446	0	89	0.00	0	65.6	65.6	65.6	38.6	38.6
11PM-MID	293	0.0	59	0.0	OFF	293	0	59	0.00	0	65.8	65.8	65.8	39.0	39.0

"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	0.0225
MAIN ROUTE WITH WORKS	0.0189
DIVERSION	0.0864

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$63,593
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: STH 65 - USH 12**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

