

<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>AUGUST</b>
	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	361	0.0	72	0.0	OFF	361	0	72	0.00	0	65.7	65.7	65.7	38.9	38.9
1-2 AM	300	0.0	60	0.0	OFF	300	0	60	0.00	0	65.8	65.8	65.8	39.0	39.0
2-3 AM	314	0.0	63	0.0	OFF	314	0	63	0.00	0	65.8	65.8	65.8	38.9	38.9
3-4 AM	364	0.0	72	0.0	OFF	364	0	72	0.00	0	65.7	65.7	65.7	38.9	38.9
4-5 AM	606	0.0	121	0.0	OFF	606	0	121	0.00	0	65.3	65.3	65.3	38.3	38.3
5-6 AM	965	0.0	193	0.0	OFF	965	0	193	0.00	0	64.6	64.6	64.6	37.3	37.3
6-7 AM	1126	0.0	225	0.0	OFF	1126	0	225	0.00	0	64.3	64.3	64.3	36.9	36.9
7-8 AM	1202	0.0	241	0.0	OFF	1202	0	241	0.00	0	64.1	64.1	64.1	36.8	36.8
8-9 AM	1172	0.0	234	0.0	OFF	1172	0	234	0.00	0	64.2	64.2	64.2	36.8	36.8
9-10 AM	1271	0.0	254	0.0	1499	1271	0	254	0.73	0	64.0	56.7	36.3	36.6	36.6
10-11 AM	1480	0.0	296	0.0	1499	1480	0	296	1.09	3	63.7	53.3	31.5	36.1	36.1
11A-NOON	1631	0.0	325	0.0	1500	1631	0	325	3.48	71	63.3	39.2	30.8	35.7	35.7
NOON-1PM	1694	0.0	338	0.0	1499	1674	21	359	9.17	226	63.2	24.2	30.8	35.5	35.3
1-2 PM	1962	0.0	391	0.0	1499	1569	393	785	14.25	359	62.7	18.0	30.8	34.9	30.0
2-3 PM	2087	0.0	416	0.0	1499	1530	557	973	15.92	404	62.5	16.6	30.8	34.6	27.6
3-4 PM	2091	0.0	417	0.0	1499	1495	596	1013	16.32	415	62.5	16.3	30.8	34.6	27.1
4-5 PM	2003	0.0	400	0.0	OFF	2003	0	400	0.72	42	62.7	55.7	55.7	34.8	34.8
5-6 PM	1922	0.0	384	0.0	OFF	1922	0	384	0.00	0	62.8	62.8	62.8	35.0	35.0
6-7 PM	1771	0.0	354	0.0	OFF	1771	0	354	0.00	0	63.1	63.1	63.1	35.3	35.3
7-8 PM	1481	0.0	296	0.0	OFF	1481	0	296	0.00	0	63.7	63.7	63.7	36.1	36.1
8-9 PM	1241	0.0	248	0.0	OFF	1241	0	248	0.00	0	64.1	64.1	64.1	36.6	36.6
9-10 PM	1165	0.0	232	0.0	OFF	1165	0	232	0.00	0	64.2	64.2	64.2	36.9	36.9
10-11 PM	874	0.0	175	0.0	OFF	874	0	175	0.00	0	64.8	64.8	64.8	37.6	37.6
11PM-MID	578	0.0	115	0.0	OFF	578	0	115	0.00	0	65.3	65.3	65.3	38.3	38.3

"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	0.0283
MAIN ROUTE WITH WORKS	0.0261
DIVERSION	0.0880

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$30,121
CONGESTED HOURS PER DAY*	2

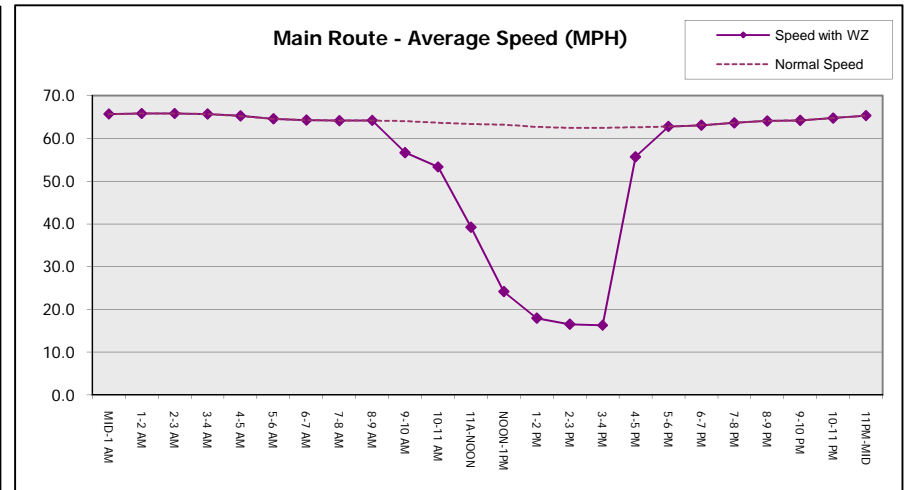
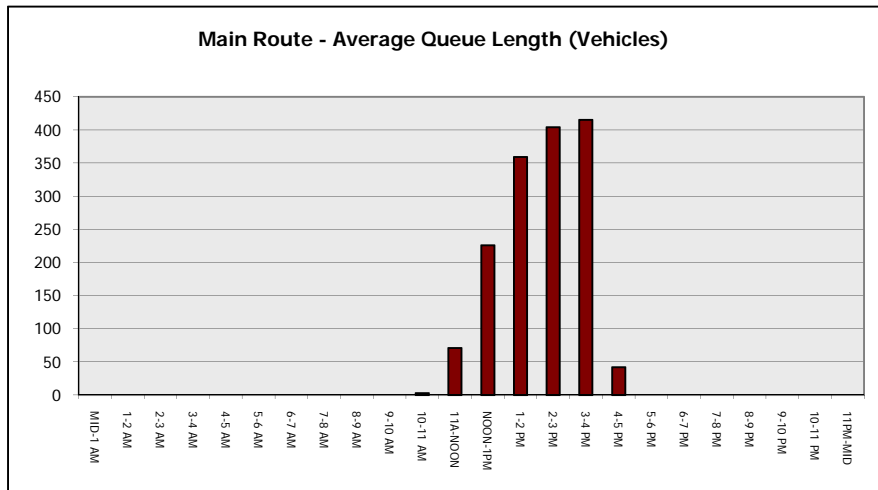
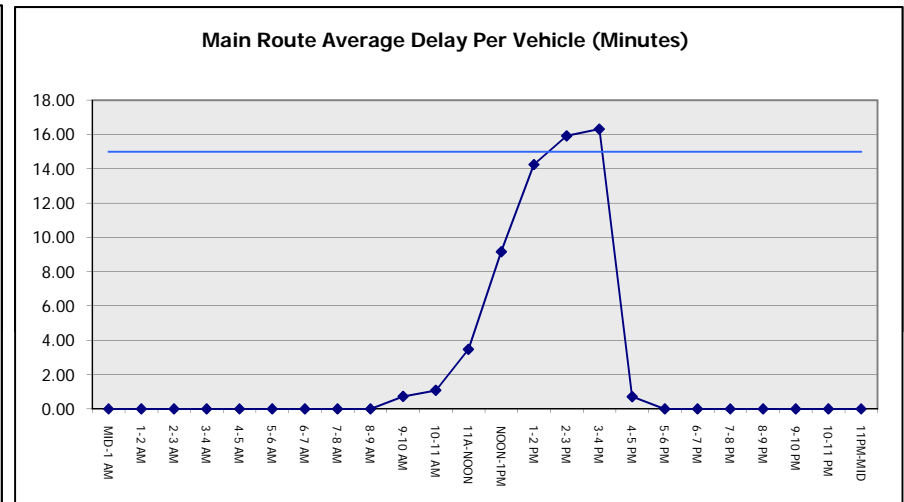
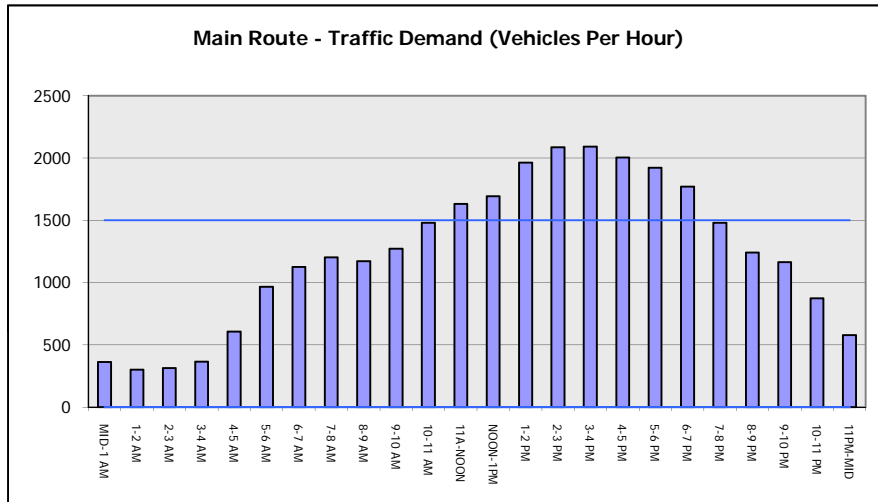
\*Delays Exceeding 15 Minutes

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

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY 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>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	407	0.0	82	0.0	OFF	407	0	82	0.00	0	65.6	65.6	65.6	38.8	38.8
1-2 AM	265	0.0	52	0.0	OFF	265	0	52	0.00	0	65.9	65.9	65.9	39.1	39.1
2-3 AM	232	0.0	46	0.0	OFF	232	0	46	0.00	0	66.0	66.0	66.0	39.2	39.2
3-4 AM	231	0.0	46	0.0	OFF	231	0	46	0.00	0	66.0	66.0	66.0	39.2	39.2
4-5 AM	291	0.0	59	0.0	OFF	291	0	59	0.00	0	65.8	65.8	65.8	39.0	39.0
5-6 AM	491	0.0	98	0.0	OFF	491	0	98	0.00	0	65.5	65.5	65.5	38.5	38.5
6-7 AM	820	0.0	163	0.0	OFF	820	0	163	0.00	0	64.8	64.8	64.8	37.7	37.7
7-8 AM	1203	0.0	241	0.0	OFF	1203	0	241	0.00	0	64.1	64.1	64.1	36.8	36.8
8-9 AM	1435	0.0	287	0.0	OFF	1435	0	287	0.00	0	63.7	63.7	63.7	36.2	36.2
9-10 AM	1833	0.0	366	0.0	1499	1833	0	366	5.37	141	63.0	32.5	30.8	35.2	35.2
10-11 AM	2255	0.0	450	0.0	1499	1649	606	1055	16.72	429	62.2	16.0	30.8	34.2	26.6
11A-NOON	2286	0.0	456	0.0	1499	1503	783	1239+	18.82	483	62.1	14.6	30.8	34.1	24.3
NOON-1PM	2284	0.0	456	0.0	1499	1510	774	1230+	18.71	480	62.1	14.7	30.8	34.1	24.5
1-2 PM	2641	0.0	527	0.0	1500	1667	974	1502+	22.36	588	59.4	12.7	30.8	33.2	21.1
2-3 PM	2741	0.0	547	0.0	1499	1510	1231	1778+	25.94	685	58.4	11.2	30.8	33.0	18.7
3-4 PM	2655	0.0	530	0.0	1500	1505	1151	1681+	25.71	677	59.3	11.3	30.8	33.2	18.9
4-5 PM	2691	0.0	537	0.0	OFF	2691	0	537	3.44	175	58.9	37.7	37.7	33.1	33.1
5-6 PM	2582	0.0	516	0.0	OFF	2582	0	516	0.00	0	60.1	60.1	60.1	33.3	33.3
6-7 PM	2465	0.0	492	0.0	OFF	2465	0	492	0.00	0	61.2	61.2	61.2	33.7	33.7
7-8 PM	1772	0.0	354	0.0	OFF	1772	0	354	0.00	0	63.1	63.1	63.1	35.3	35.3
8-9 PM	1248	0.0	249	0.0	OFF	1248	0	249	0.00	0	64.1	64.1	64.1	36.6	36.6
9-10 PM	923	0.0	184	0.0	OFF	923	0	184	0.00	0	64.6	64.6	64.6	37.4	37.4
10-11 PM	788	0.0	157	0.0	OFF	788	0	157	0.00	0	64.9	64.9	64.9	37.8	37.8
11PM-MID	595	0.0	118	0.0	OFF	595	0	118	0.00	0	65.3	65.3	65.3	38.3	38.3

"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	0.0336
MAIN ROUTE WITH WORKS	0.0276
DIVERSION	0.1472

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$85,230
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

