

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

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	289	0.0	58	0.0	OFF	289	0	58	0.00	0	65.8	65.8	65.8	39.0	39.0
1-2 AM	204	0.0	41	0.0	OFF	204	0	41	0.00	0	66.0	66.0	66.0	39.2	39.2
2-3 AM	156	0.0	31	0.0	OFF	156	0	31	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	155	0.0	31	0.0	OFF	155	0	31	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	159	0.0	31	0.0	OFF	159	0	31	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	186	0.0	37	0.0	OFF	186	0	37	0.00	0	66.0	66.0	66.0	39.3	39.3
6-7 AM	248	0.0	49	0.0	OFF	248	0	49	0.00	0	66.0	66.0	66.0	39.1	39.1
7-8 AM	398	0.0	80	0.0	OFF	398	0	80	0.00	0	65.6	65.6	65.6	38.8	38.8
8-9 AM	627	0.0	126	0.0	OFF	627	0	126	0.00	0	65.2	65.2	65.2	38.2	38.2
9-10 AM	932	0.0	186	0.0	1499	932	0	186	0.51	0	64.6	59.2	41.9	37.4	37.4
10-11 AM	1402	0.0	280	0.0	1499	1402	0	280	0.94	1	63.8	54.7	33.2	36.3	36.3
11A-NOON	1807	0.0	361	0.0	1500	1807	0	361	5.40	138	63.0	32.4	30.8	35.3	35.3
NOON-1PM	2059	0.0	411	0.0	1499	1609	449	861	14.88	377	62.5	17.5	30.8	34.7	29.1
1-2 PM	2450	0.0	490	0.0	1500	1654	797	1286+	19.36	502	61.4	14.3	30.8	33.7	23.8
2-3 PM	2842	0.0	567	0.0	1500	1610	1232	1799+	24.90	661	57.4	11.6	30.8	32.7	19.3
3-4 PM	3029	0.0	605	0.0	1500	1501	1528	2133+	25.69	687	55.5	11.2	30.8	32.2	18.6
4-5 PM	3180	0.0	635	0.0	1499	1500	1680	2315+	25.51	687	53.9	11.2	30.8	31.9	18.6
5-6 PM	2981	0.0	595	0.0	1499	1500	1481	2076+	25.75	687	56.0	11.2	30.8	32.4	18.6
6-7 PM	2619	0.0	523	0.0	1499	1443	1176	1699+	25.56	672	59.7	11.4	30.8	33.2	19.0
7-8 PM	2229	0.0	445	0.0	OFF	2229	0	445	2.18	111	62.2	45.2	45.2	34.2	34.2
8-9 PM	1834	0.0	366	0.0	OFF	1834	0	366	0.00	0	63.0	63.0	63.0	35.2	35.2
9-10 PM	1331	0.0	266	0.0	OFF	1331	0	266	0.00	0	63.9	63.9	63.9	36.5	36.5
10-11 PM	890	0.0	178	0.0	OFF	890	0	178	0.00	0	64.7	64.7	64.7	37.5	37.5
11PM-MID	623	0.0	125	0.0	OFF	623	0	125	0.00	0	65.2	65.2	65.2	38.2	38.2

"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	0.0312
MAIN ROUTE WITH WORKS	0.0222
DIVERSION	0.1745

PIA: Personal Injury Accidents

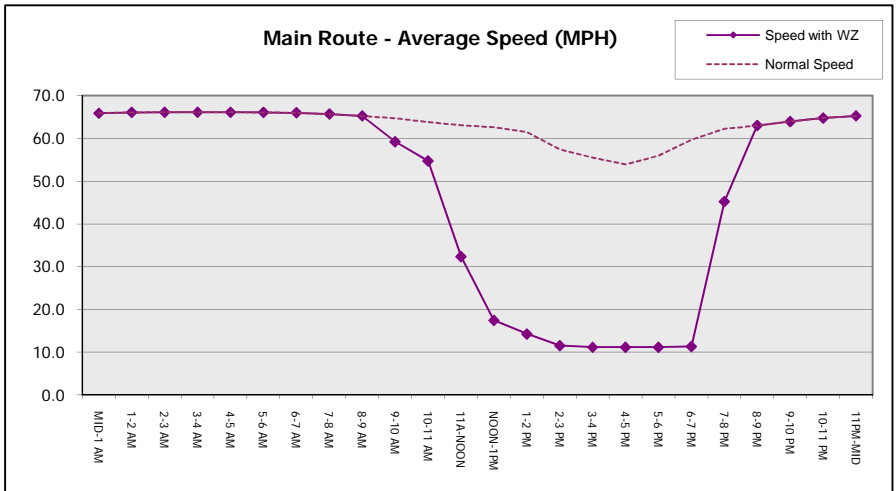
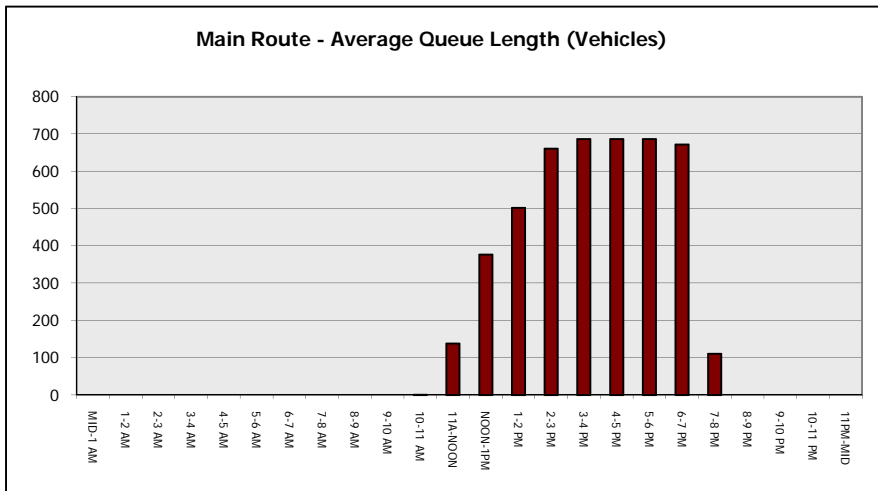
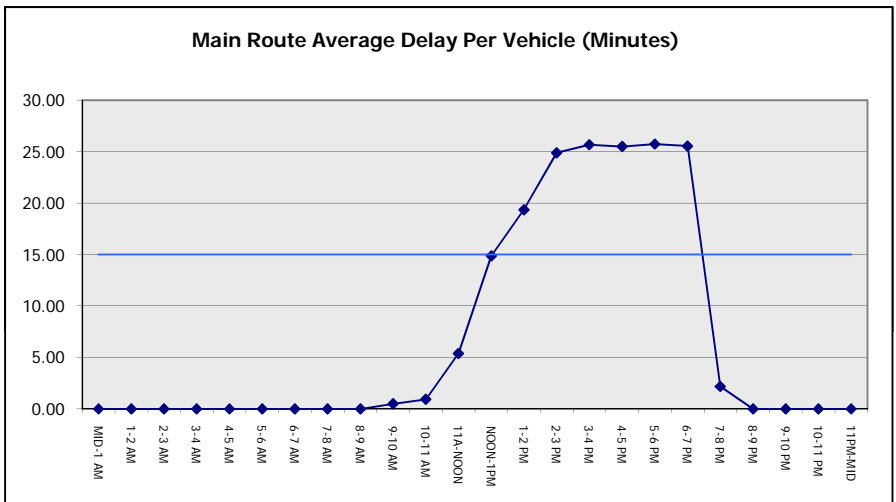
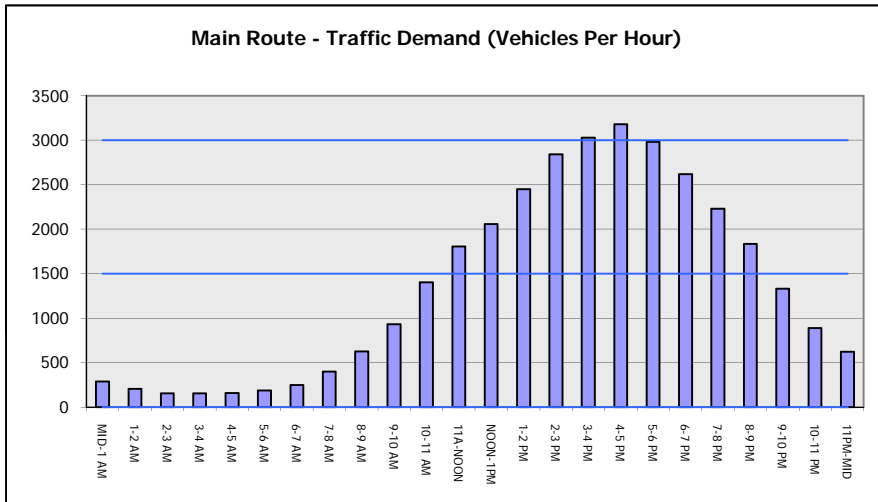
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$147,897
CONGESTED HOURS PER DAY*	6

*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
SUNDAY WESTBOUND DIRECTION



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
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	281	0.0	57	0.0	OFF	281	0	57	0.00	0	65.9	65.9	65.9	39.1	39.1
1-2 AM	185	0.0	37	0.0	OFF	185	0	37	0.00	0	66.0	66.0	66.0	39.3	39.3
2-3 AM	140	0.0	28	0.0	OFF	140	0	28	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	119	0.0	24	0.0	OFF	119	0	24	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	126	0.0	25	0.0	OFF	126	0	25	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	198	0.0	40	0.0	OFF	198	0	40	0.00	0	66.0	66.0	66.0	39.2	39.2
6-7 AM	416	0.0	83	0.0	OFF	416	0	83	0.00	0	65.6	65.6	65.6	38.7	38.7
7-8 AM	704	0.0	140	0.0	OFF	704	0	140	0.00	0	65.1	65.1	65.1	38.0	38.0
8-9 AM	1041	0.0	208	0.0	OFF	1041	0	208	0.00	0	64.5	64.5	64.5	37.1	37.1
9-10 AM	1534	0.0	307	0.0	1499	1534	0	307	1.58	18	63.5	49.7	31.7	36.0	36.0
10-11 AM	1971	0.0	393	0.0	1500	1811	160	554	9.96	261	62.7	22.9	30.8	34.8	32.9
11A-NOON	2064	0.0	412	0.0	1499	1528	536	948	15.68	398	62.5	16.8	30.8	34.7	27.9
NOON-1PM	2276	0.0	454	0.0	1500	1569	707	1161	17.88	458	62.2	15.2	30.8	34.1	25.3
1-2 PM	2230	0.0	445	0.0	1499	1472	758	1202+	18.38	471	62.2	14.9	30.8	34.2	24.8
2-3 PM	2035	0.0	406	0.0	1499	1433	602	1008	16.27	414	62.6	16.3	30.8	34.7	27.2
3-4 PM	1957	0.0	391	0.0	1500	1480	477	868	14.97	378	62.7	17.4	30.8	34.9	28.9
4-5 PM	1887	0.0	377	0.0	1500	1476	411	787	14.28	359	62.8	18.0	30.8	35.1	30.0
5-6 PM	1652	0.0	330	0.0	1499	1443	209	539	12.45	309	63.3	19.9	30.8	35.6	33.0
6-7 PM	1480	0.0	296	0.0	1500	1450	31	327	10.93	267	63.7	21.7	30.8	36.1	35.7
7-8 PM	1248	0.0	249	0.0	OFF	1248	0	249	0.19	10	64.1	61.9	61.9	36.6	36.6
8-9 PM	1043	0.0	208	0.0	OFF	1043	0	208	0.00	0	64.5	64.5	64.5	37.1	37.1
9-10 PM	737	0.0	148	0.0	OFF	737	0	148	0.00	0	65.0	65.0	65.0	37.9	37.9
10-11 PM	509	0.0	101	0.0	OFF	509	0	101	0.00	0	65.5	65.5	65.5	38.5	38.5
11PM-MID	351	0.0	70	0.0	OFF	351	0	70	0.00	0	65.7	65.7	65.7	38.9	38.9

"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	0.0250
MAIN ROUTE WITH WORKS	0.0203
DIVERSION	0.1071

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$82,954
CONGESTED HOURS PER DAY*	4

*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
SUNDAY EASTBOUND DIRECTION

