

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

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	332	0.0	66	0.0	OFF	332	0	66	0.00	0	65.8	65.8	65.8	38.9	38.9
1-2 AM	286	0.0	58	0.0	OFF	286	0	58	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	363	0.0	72	0.0	OFF	363	0	72	0.00	0	65.7	65.7	65.7	38.9	38.9
4-5 AM	550	0.0	110	0.0	OFF	550	0	110	0.00	0	65.4	65.4	65.4	38.4	38.4
5-6 AM	987	0.0	197	0.0	OFF	987	0	197	0.00	0	64.5	64.5	64.5	37.3	37.3
6-7 AM	1148	0.0	229	0.0	OFF	1148	0	229	0.00	0	64.3	64.3	64.3	36.9	36.9
7-8 AM	1243	0.0	248	0.0	OFF	1243	0	248	0.00	0	64.1	64.1	64.1	36.6	36.6
8-9 AM	1157	0.0	231	0.0	OFF	1157	0	231	0.00	0	64.2	64.2	64.2	36.9	36.9
9-10 AM	1203	0.0	241	0.0	1500	1203	0	241	0.64	0	64.1	57.6	38.3	36.8	36.8
10-11 AM	1359	0.0	271	0.0	1499	1359	0	271	0.84	0	63.8	55.6	34.0	36.4	36.4
11A-NOON	1526	0.0	305	0.0	1499	1526	0	305	1.28	7	63.5	51.8	30.9	36.0	36.0
NOON-1PM	1634	0.0	326	0.0	1500	1634	0	326	4.03	86	63.3	37.1	30.8	35.7	35.7
1-2 PM	1887	0.0	377	0.0	1500	1701	186	562	11.82	300	62.8	20.5	30.8	35.1	32.8
2-3 PM	2077	0.0	414	0.0	1499	1548	529	943	15.63	396	62.5	16.8	30.8	34.6	28.0
3-4 PM	2072	0.0	413	0.0	1499	1493	579	992	16.11	409	62.5	16.5	30.8	34.6	27.4
4-5 PM	2046	0.0	409	0.0	OFF	2046	0	409	0.75	42	62.6	55.4	55.4	34.7	34.7
5-6 PM	1910	0.0	382	0.0	OFF	1910	0	382	0.00	0	62.8	62.8	62.8	35.0	35.0
6-7 PM	1649	0.0	330	0.0	OFF	1649	0	330	0.00	0	63.3	63.3	63.3	35.6	35.6
7-8 PM	1373	0.0	274	0.0	OFF	1373	0	274	0.00	0	63.8	63.8	63.8	36.3	36.3
8-9 PM	1170	0.0	233	0.0	OFF	1170	0	233	0.00	0	64.2	64.2	64.2	36.8	36.8
9-10 PM	899	0.0	180	0.0	OFF	899	0	180	0.00	0	64.7	64.7	64.7	37.5	37.5
10-11 PM	710	0.0	141	0.0	OFF	710	0	141	0.00	0	65.1	65.1	65.1	38.0	38.0
11PM-MID	438	0.0	88	0.0	OFF	438	0	88	0.00	0	65.6	65.6	65.6	38.6	38.6

"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	0.0271
MAIN ROUTE WITH WORKS	0.0251
DIVERSION	0.0816

PIA: Personal Injury Accidents

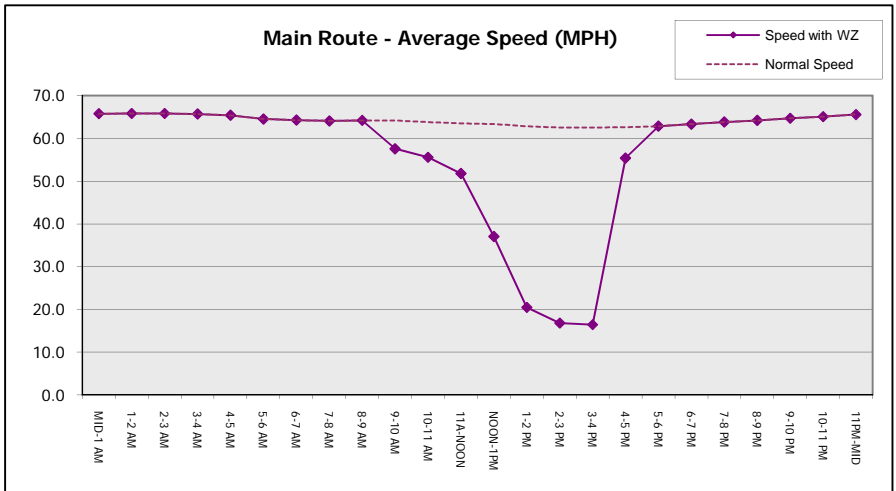
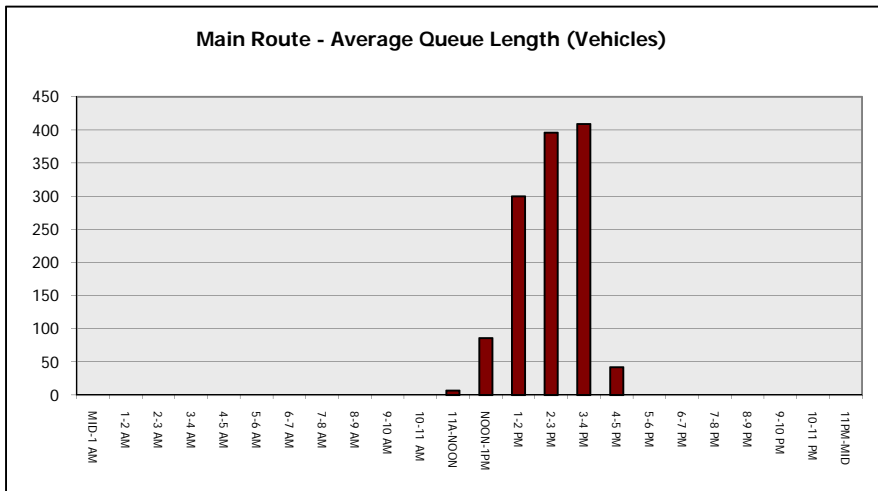
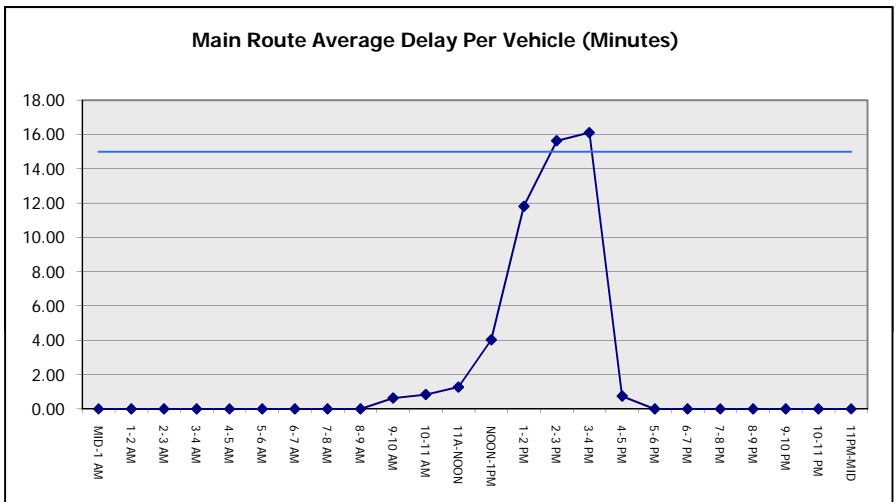
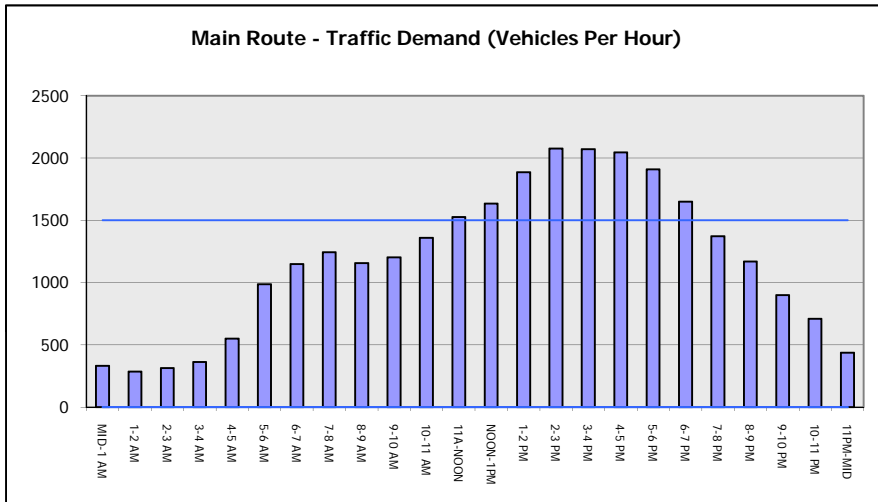
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$24,123
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 65 - USH 12	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL			AVERAGE SPEEDS IN MPH					
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	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	318	0.0	64	0.0	OFF	318	0	64	0.00	0	65.8	65.8	65.8	38.9	38.9	
1-2 AM	233	0.0	47	0.0	OFF	233	0	47	0.00	0	66.0	66.0	66.0	39.2	39.2	
2-3 AM	182	0.0	37	0.0	OFF	182	0	37	0.00	0	66.1	66.1	66.1	39.3	39.3	
3-4 AM	211	0.0	42	0.0	OFF	211	0	42	0.00	0	66.0	66.0	66.0	39.2	39.2	
4-5 AM	259	0.0	51	0.0	OFF	259	0	51	0.00	0	65.9	65.9	65.9	39.1	39.1	
5-6 AM	460	0.0	92	0.0	OFF	460	0	92	0.00	0	65.5	65.5	65.5	38.6	38.6	
6-7 AM	709	0.0	141	0.0	OFF	709	0	141	0.00	0	65.1	65.1	65.1	38.0	38.0	
7-8 AM	1109	0.0	222	0.0	OFF	1109	0	222	0.00	0	64.3	64.3	64.3	37.0	37.0	
8-9 AM	1249	0.0	249	0.0	OFF	1249	0	249	0.00	0	64.1	64.1	64.1	36.6	36.6	
9-10 AM	1578	0.0	315	0.0	1499	1578	0	315	1.68	19	63.5	49.0	30.8	35.8	35.8	
10-11 AM	1863	0.0	371	0.0	1500	1775	88	460	9.07	233	62.9	24.3	30.8	35.1	34.0	
11A-NOON	1902	0.0	380	0.0	1499	1508	394	774	14.17	356	62.8	18.1	30.8	35.0	30.1	
NOON-1PM	1937	0.0	387	0.0	1499	1518	418	806	14.43	363	62.8	17.9	30.8	35.0	29.7	
1-2 PM	2287	0.0	456	0.0	1500	1618	669	1125	17.47	448	62.1	15.5	30.8	34.1	25.8	
2-3 PM	2429	0.0	486	0.0	1499	1557	872	1358+	20.36	526	61.6	13.7	30.8	33.7	22.9	
3-4 PM	2554	0.0	510	0.0	1500	1558	996	1506+	22.52	588	60.4	12.6	30.8	33.4	21.1	
4-5 PM	2518	0.0	502	0.0	OFF	2518	0	502	2.58	126	60.7	42.4	42.4	33.5	33.5	
5-6 PM	2295	0.0	458	0.0	OFF	2295	0	458	0.00	0	62.1	62.1	62.1	34.0	34.0	
6-7 PM	2109	0.0	422	0.0	OFF	2109	0	422	0.00	0	62.5	62.5	62.5	34.5	34.5	
7-8 PM	1618	0.0	323	0.0	OFF	1618	0	323	0.00	0	63.3	63.3	63.3	35.7	35.7	
8-9 PM	1058	0.0	211	0.0	OFF	1058	0	211	0.00	0	64.4	64.4	64.4	37.1	37.1	
9-10 PM	836	0.0	166	0.0	OFF	836	0	166	0.00	0	64.8	64.8	64.8	37.7	37.7	
10-11 PM	678	0.0	135	0.0	OFF	678	0	135	0.00	0	65.1	65.1	65.1	38.1	38.1	
11PM-MID	507	0.0	102	0.0	OFF	507	0	102	0.00	0	65.5	65.5	65.5	38.5	38.5	

"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	0.0295
MAIN ROUTE WITH WORKS	0.0255
DIVERSION	0.1128

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$54,897
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

