

IH 94: STH 35 TO STH 65 (ST CROIX COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 65 - USH 12	OCTOBER
	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	1500	225	0	45	0.44	0	66.0	61.0	44.6	39.2	39.2
1-2 AM	171	0.0	35	0.0	1500	171	0	35	0.44	0	66.1	61.2	44.8	39.3	39.3
2-3 AM	147	0.0	29	0.0	1500	147	0	29	0.44	0	66.1	61.2	44.9	39.4	39.4
3-4 AM	142	0.0	28	0.0	1500	142	0	28	0.44	0	66.1	61.2	44.9	39.4	39.4
4-5 AM	143	0.0	28	0.0	1500	143	0	28	0.44	0	66.1	61.2	44.9	39.4	39.4
5-6 AM	185	0.0	37	0.0	1500	185	0	37	0.44	0	66.0	61.1	44.8	39.3	39.3
6-7 AM	240	0.0	48	0.0	1500	240	0	48	0.45	0	66.0	61.0	44.5	39.1	39.1
7-8 AM	343	0.0	68	0.0	1500	343	0	68	0.46	0	65.8	60.7	44.1	38.9	38.9
8-9 AM	535	0.0	107	0.0	1500	535	0	107	0.47	0	65.4	60.2	43.3	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	1500	1431	624	1034	16.53	421	62.5	16.1	30.8	34.7	26.9
8-9 PM	1676	0.0	335	0.0	1499	1396	280	614	12.98	325	63.3	19.3	30.8	35.6	32.1
9-10 PM	1205	0.0	241	0.0	1499	1204	2	242	5.93	161	64.1	31.2	34.0	36.8	36.8
10-11 PM	798	0.0	159	0.0	1500	798	0	159	0.50	0	64.9	59.6	42.4	37.8	37.8
11PM-MID	470	0.0	94	0.0	1500	470	0	94	0.47	0	65.5	60.4	43.6	38.6	38.6

+ 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	0.0195
DIVERSION	0.1387

PIA: Personal Injury Accidents

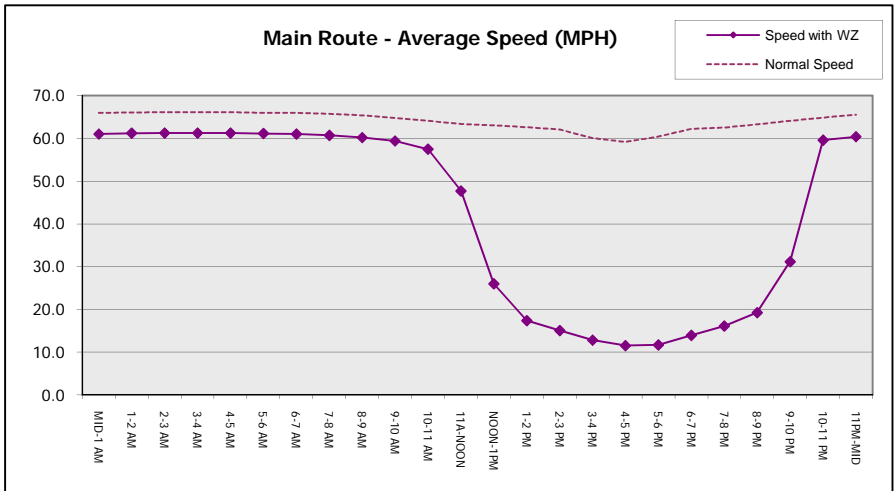
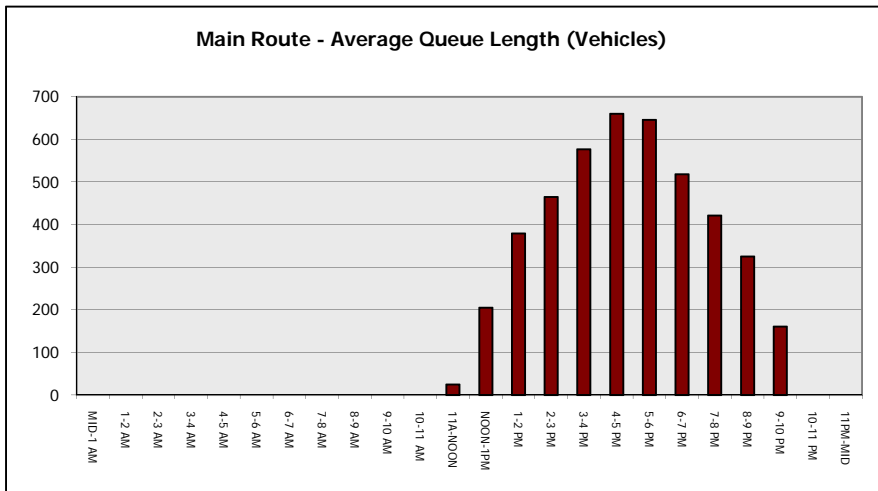
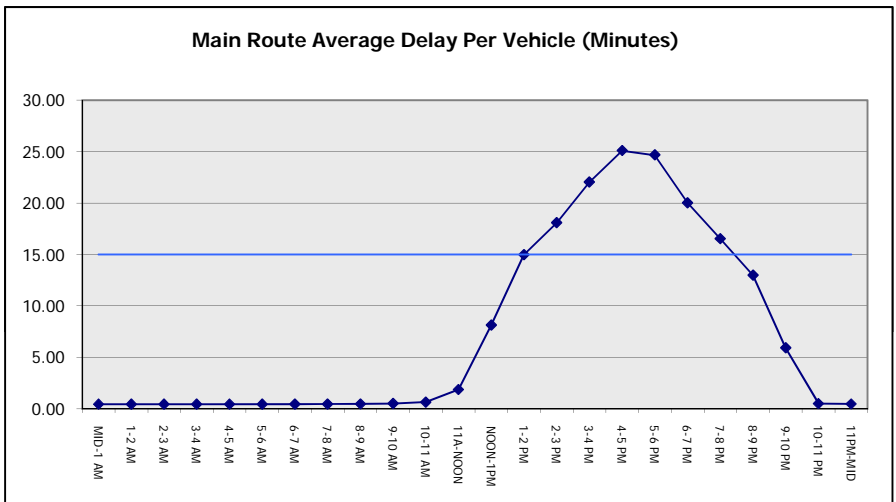
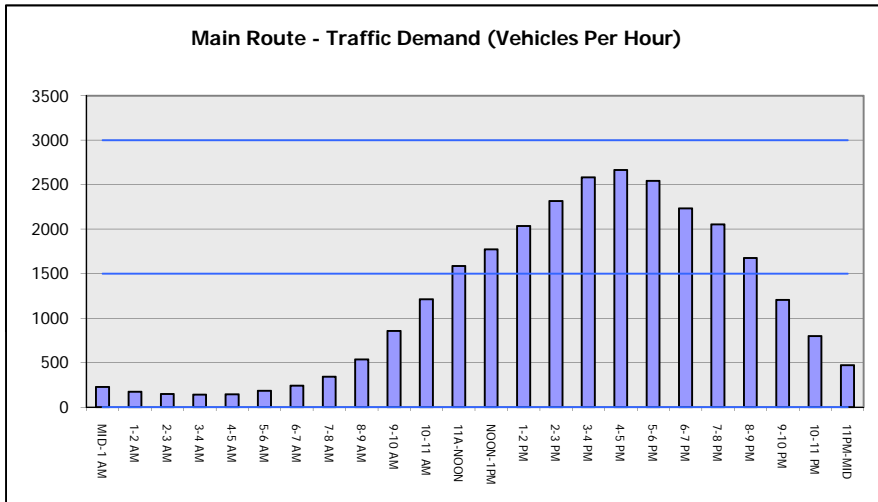
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$121,980
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

**IH 94: STH 35 TO STH 65 (ST CROIX COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 65 - USH 12**

OCTOBER
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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 65 - USH 12	OCTOBER
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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	260	0.0	52	0.0	1500	260	0	52	0.45	0	65.9	60.9	44.5	39.1	39.1
1-2 AM	162	0.0	32	0.0	1500	162	0	32	0.44	0	66.1	61.2	44.8	39.4	39.4
2-3 AM	135	0.0	27	0.0	1500	135	0	27	0.44	0	66.1	61.2	45.0	39.4	39.4
3-4 AM	112	0.0	22	0.0	1500	112	0	22	0.43	0	66.2	61.3	45.0	39.5	39.5
4-5 AM	139	0.0	28	0.0	1500	139	0	28	0.44	0	66.1	61.2	45.0	39.4	39.4
5-6 AM	192	0.0	39	0.0	1500	192	0	39	0.44	0	66.0	61.1	44.7	39.2	39.2
6-7 AM	333	0.0	66	0.0	1500	333	0	66	0.45	0	65.8	60.7	44.2	38.9	38.9
7-8 AM	537	0.0	107	0.0	1500	537	0	107	0.47	0	65.4	60.2	43.3	38.4	38.4
8-9 AM	810	0.0	162	0.0	1500	810	0	162	0.50	0	64.9	59.5	42.4	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	1500	1173	0	234	1.56	30	64.2	50.2	37.8	36.8	36.8
8-9 PM	795	0.0	159	0.0	1500	795	0	159	0.50	0	64.9	59.6	42.4	37.8	37.8
9-10 PM	594	0.0	118	0.0	1500	594	0	118	0.48	0	65.3	60.1	43.2	38.3	38.3
10-11 PM	446	0.0	89	0.0	1500	446	0	89	0.47	0	65.6	60.4	43.7	38.6	38.6
11PM-MID	293	0.0	59	0.0	1500	293	0	59	0.45	0	65.8	60.8	44.3	39.0	39.0

----- 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	0.0185
DIVERSION	0.0864

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$65,583
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 65 - USH 12**

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

