

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

SATURDAY 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	334	0.0	67	0.0	1500	334	0	67	0.45	0	65.8	60.7	44.2	38.9	38.9
1-2 AM	250	0.0	50	0.0	1500	250	0	50	0.45	0	66.0	60.9	44.5	39.1	39.1
2-3 AM	227	0.0	45	0.0	1500	227	0	45	0.44	0	66.0	61.0	44.6	39.2	39.2
3-4 AM	225	0.0	45	0.0	1500	225	0	45	0.44	0	66.0	61.0	44.6	39.2	39.2
4-5 AM	274	0.0	54	0.0	1500	274	0	54	0.45	0	65.9	60.9	44.4	39.1	39.1
5-6 AM	358	0.0	71	0.0	1500	358	0	71	0.46	0	65.7	60.7	44.0	38.9	38.9
6-7 AM	431	0.0	86	0.0	1500	431	0	86	0.46	0	65.6	60.5	43.8	38.7	38.7
7-8 AM	641	0.0	128	0.0	1500	641	0	128	0.48	0	65.2	59.9	43.0	38.1	38.1
8-9 AM	872	0.0	174	0.0	1500	872	0	174	0.51	0	64.8	59.4	42.1	37.6	37.6
9-10 AM	1211	0.0	242	0.0	1500	1211	0	242	0.65	0	64.1	57.4	38.1	36.8	36.8
10-11 AM	1447	0.0	289	0.0	1499	1447	0	289	0.96	0	63.7	54.5	31.9	36.1	36.1
11A-NOON	1518	0.0	303	0.0	1499	1518	0	303	1.39	9	63.5	51.0	30.8	36.0	36.0
NOON-1PM	1416	0.0	283	0.0	1500	1416	0	283	1.01	2	63.8	54.1	32.5	36.2	36.2
1-2 PM	1376	0.0	275	0.0	1500	1376	0	275	0.86	0	63.8	55.3	33.5	36.3	36.3
2-3 PM	1433	0.0	286	0.0	1500	1433	0	286	0.94	0	63.7	54.6	32.2	36.2	36.2
3-4 PM	1451	0.0	290	0.0	1499	1451	0	290	0.96	0	63.7	54.4	31.8	36.1	36.1
4-5 PM	1499	0.0	299	0.0	1499	1499	0	299	1.13	3	63.6	53.0	30.9	36.0	36.0
5-6 PM	1331	0.0	266	0.0	1500	1331	0	266	0.81	0	63.9	55.9	34.7	36.5	36.5
6-7 PM	1136	0.0	227	0.0	1500	1136	0	227	0.55	0	64.3	58.5	40.6	36.9	36.9
7-8 PM	1066	0.0	212	0.0	1500	1066	0	212	0.53	0	64.4	58.9	41.4	37.1	37.1
8-9 PM	871	0.0	174	0.0	1500	871	0	174	0.51	0	64.8	59.4	42.2	37.6	37.6
9-10 PM	786	0.0	157	0.0	1500	786	0	157	0.50	0	64.9	59.6	42.4	37.8	37.8
10-11 PM	594	0.0	118	0.0	1500	594	0	118	0.48	0	65.3	60.1	43.2	38.3	38.3
11PM-MID	384	0.0	76	0.0	1500	384	0	76	0.46	0	65.6	60.6	44.0	38.8	38.8

----- 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	0.0202
MAIN ROUTE WITH WORKS	0.0188
DIVERSION	0.0495

PIA: Personal Injury Accidents

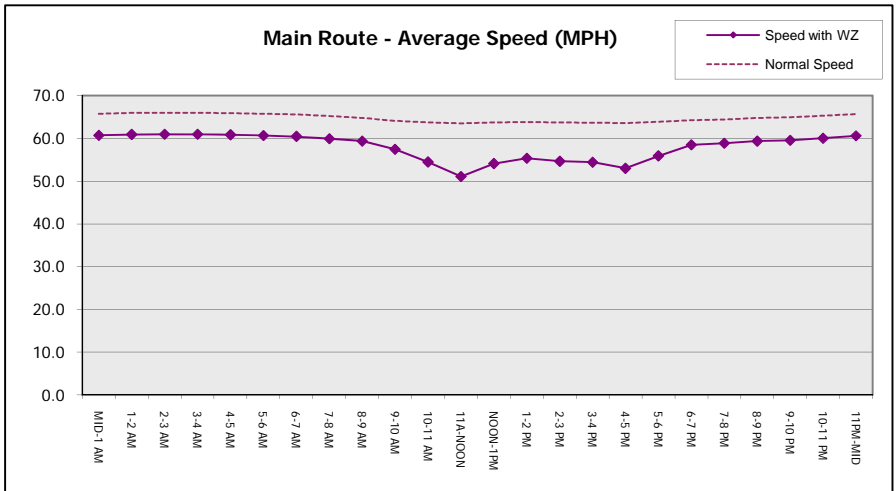
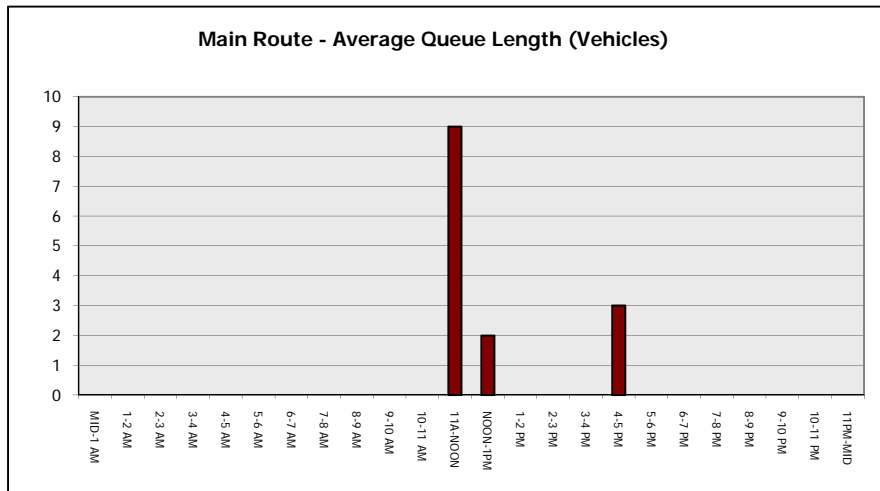
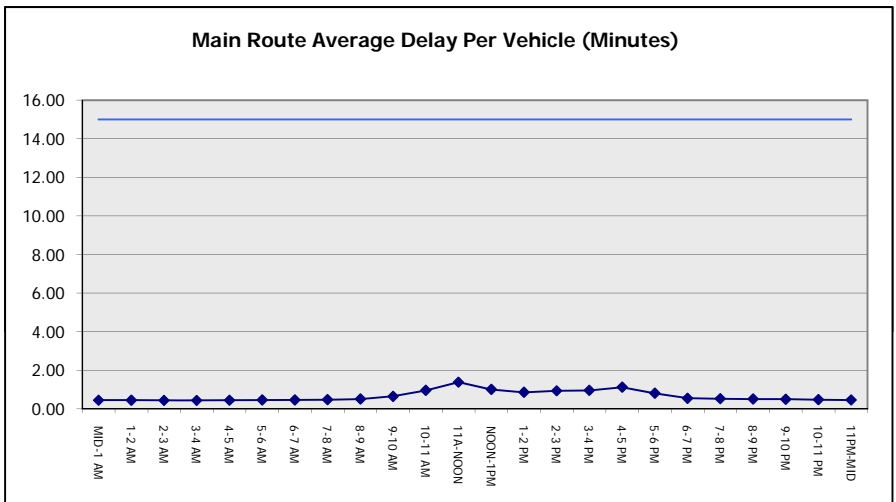
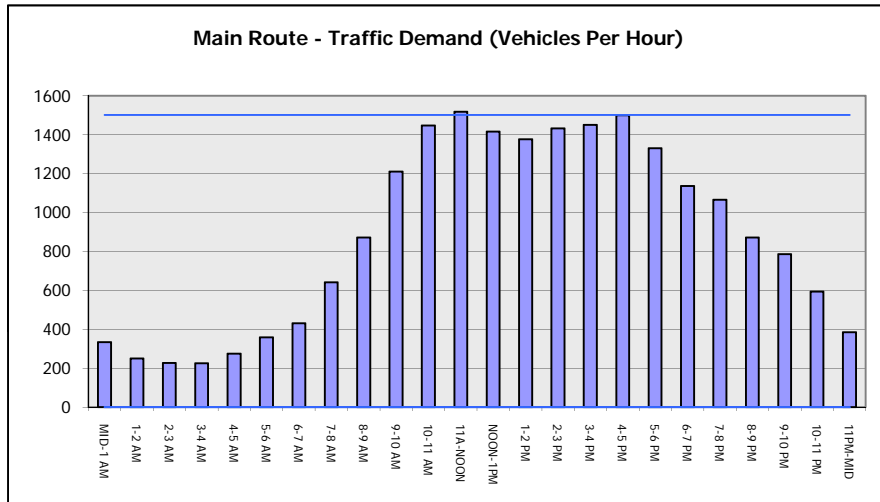
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,676
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

SATURDAY 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		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	355	0.0	71	0.0	1500	355	0	71	0.46	0	65.7	60.7	44.1	38.9	38.9
1-2 AM	225	0.0	45	0.0	1500	225	0	45	0.44	0	66.0	61.0	44.6	39.2	39.2
2-3 AM	172	0.0	35	0.0	1500	172	0	35	0.44	0	66.1	61.1	44.8	39.3	39.3
3-4 AM	184	0.0	37	0.0	1500	184	0	37	0.44	0	66.0	61.1	44.8	39.3	39.3
4-5 AM	231	0.0	46	0.0	1500	231	0	46	0.44	0	66.0	61.0	44.6	39.2	39.2
5-6 AM	346	0.0	69	0.0	1500	346	0	69	0.46	0	65.8	60.7	44.1	38.9	38.9
6-7 AM	590	0.0	118	0.0	1500	590	0	118	0.48	0	65.3	60.1	43.2	38.3	38.3
7-8 AM	919	0.0	183	0.0	1500	919	0	183	0.51	0	64.6	59.2	42.0	37.4	37.4
8-9 AM	1247	0.0	249	0.0	1499	1247	0	249	0.70	0	64.1	57.0	37.2	36.6	36.6
9-10 AM	1573	0.0	314	0.0	1499	1573	0	314	1.73	20	63.5	48.6	30.8	35.8	35.8
10-11 AM	1738	0.0	347	0.0	1500	1738	0	347	7.57	188	63.2	27.1	30.8	35.5	35.5
11A-NOON	1684	0.0	336	0.0	1499	1490	195	531	12.39	307	63.2	19.9	30.8	35.6	33.2
NOON-1PM	1526	0.0	305	0.0	1499	1468	58	362	11.35	278	63.5	21.2	30.8	36.0	35.3
1-2 PM	1459	0.0	291	0.0	1499	1459	0	291	10.30	250	63.7	22.5	30.8	36.1	36.1
2-3 PM	1441	0.0	288	0.0	1500	1441	0	288	8.40	199	63.7	25.6	30.8	36.1	36.1
3-4 PM	1397	0.0	279	0.0	1499	1397	0	279	5.30	117	63.8	32.9	30.8	36.3	36.3
4-5 PM	1401	0.0	279	0.0	1500	1401	0	279	1.75	24	63.8	48.7	32.2	36.3	36.3
5-6 PM	1278	0.0	255	0.0	1500	1278	0	255	0.74	0	64.0	56.6	36.1	36.6	36.6
6-7 PM	1072	0.0	215	0.0	1500	1072	0	215	0.53	0	64.4	58.9	41.4	37.1	37.1
7-8 PM	916	0.0	183	0.0	1500	916	0	183	0.51	0	64.7	59.2	42.0	37.4	37.4
8-9 PM	751	0.0	150	0.0	1500	751	0	150	0.50	0	65.0	59.7	42.6	37.9	37.9
9-10 PM	635	0.0	127	0.0	1500	635	0	127	0.48	0	65.2	59.9	43.0	38.2	38.2
10-11 PM	530	0.0	106	0.0	1500	530	0	106	0.47	0	65.4	60.2	43.4	38.4	38.4
11PM-MID	389	0.0	77	0.0	1500	389	0	77	0.46	0	65.6	60.5	44.0	38.8	38.8

----- 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	0.0211
MAIN ROUTE WITH WORKS	0.0194
DIVERSION	0.0547

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$27,163
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SATURDAY EASTBOUND DIRECTION

