

**IH 94: STH 65 TO USH 12/STH 29 (DUNN AND ST CROIX COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 128 - USH 12 - USH 63**

MAY
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	159	0.0	15	0.0	1500	159	0	15	0.44	0	66.1	62.7	44.8	39.6	39.6
1-2 AM	131	0.0	12	0.0	1500	131	0	12	0.44	0	66.1	62.7	45.0	39.6	39.6
2-3 AM	95	0.0	9	0.0	1500	95	0	9	0.43	0	66.2	62.8	45.1	39.6	39.6
3-4 AM	96	0.0	9	0.0	1500	96	0	9	0.43	0	66.2	62.8	45.1	39.6	39.6
4-5 AM	105	0.0	10	0.0	1500	105	0	10	0.43	0	66.2	62.8	45.1	39.6	39.6
5-6 AM	138	0.0	13	0.0	1500	138	0	13	0.44	0	66.1	62.7	45.0	39.6	39.6
6-7 AM	197	0.0	19	0.0	1500	197	0	19	0.44	0	66.0	62.5	44.7	39.5	39.5
7-8 AM	305	0.0	29	0.0	1500	305	0	29	0.45	0	65.8	62.3	44.3	39.4	39.4
8-9 AM	472	0.0	46	0.0	1500	472	0	46	0.47	0	65.5	61.9	43.6	39.2	39.2
9-10 AM	662	0.0	64	0.0	1500	662	0	64	0.49	0	65.1	61.5	42.9	38.9	38.9
10-11 AM	893	0.0	86	0.0	1500	893	0	86	0.51	0	64.7	60.9	42.0	38.7	38.7
11A-NOON	1107	0.0	107	0.0	1500	1107	0	107	0.53	0	64.3	60.4	41.3	38.4	38.4
NOON-1PM	1196	0.0	115	0.0	1500	1196	0	115	0.63	0	64.1	59.6	38.6	38.3	38.3
1-2 PM	1327	0.0	128	0.0	1499	1327	0	128	0.80	0	63.9	58.2	34.8	38.1	38.1
2-3 PM	1523	0.0	146	0.0	1499	1523	0	146	1.31	8	63.5	54.9	31.0	37.9	37.9
3-4 PM	1685	0.0	162	0.0	1500	1685	0	162	5.22	120	63.2	38.9	30.8	37.8	37.8
4-5 PM	1729	0.0	166	0.0	1500	1619	110	276	12.25	306	63.2	25.6	30.8	37.7	36.3
5-6 PM	1695	0.0	163	0.0	1499	1488	208	371	13.33	333	63.2	24.3	30.8	37.7	35.1
6-7 PM	1538	0.0	148	0.0	1499	1463	75	223	12.29	304	63.5	25.6	30.8	37.9	36.9
7-8 PM	1341	0.0	129	0.0	1499	1341	0	129	9.10	221	63.9	30.4	30.8	38.1	38.1
8-9 PM	1167	0.0	113	0.0	1500	1167	0	113	1.60	30	64.2	53.7	38.1	38.3	38.3
9-10 PM	902	0.0	86	0.0	1500	902	0	86	0.51	0	64.7	60.9	42.0	38.7	38.7
10-11 PM	671	0.0	65	0.0	1500	671	0	65	0.49	0	65.1	61.4	42.8	38.9	38.9
11PM-MID	383	0.0	37	0.0	1500	383	0	37	0.46	0	65.7	62.1	44.0	39.3	39.3

----- 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	0.0273
MAIN ROUTE WITH WORKS	0.0255
DIVERSION	0.0339

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY (DOLLARS)	\$26,077
CONGESTED HOURS PER DAY*	0

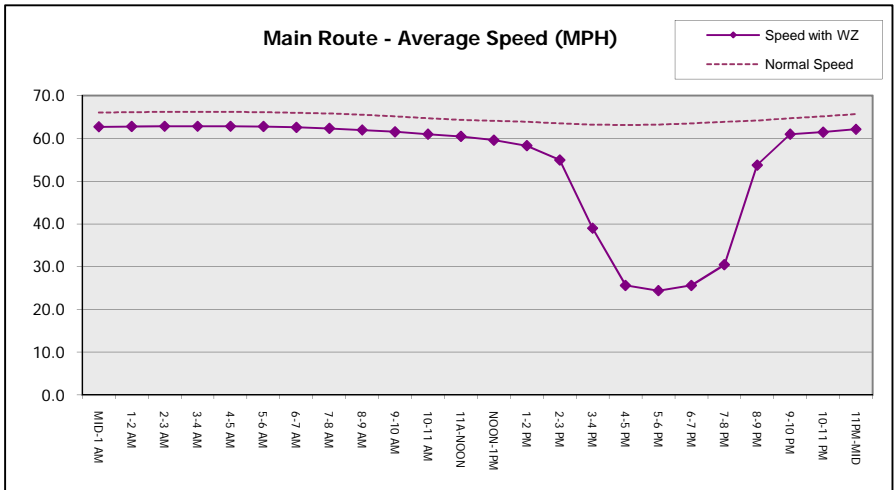
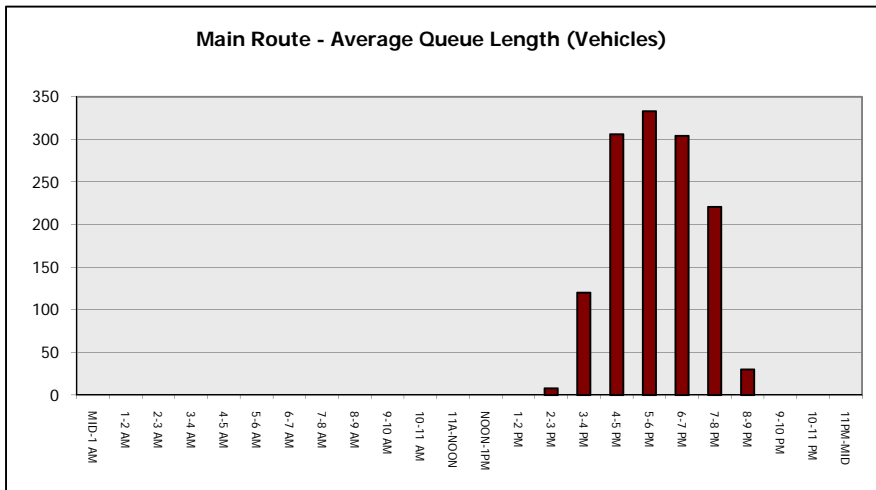
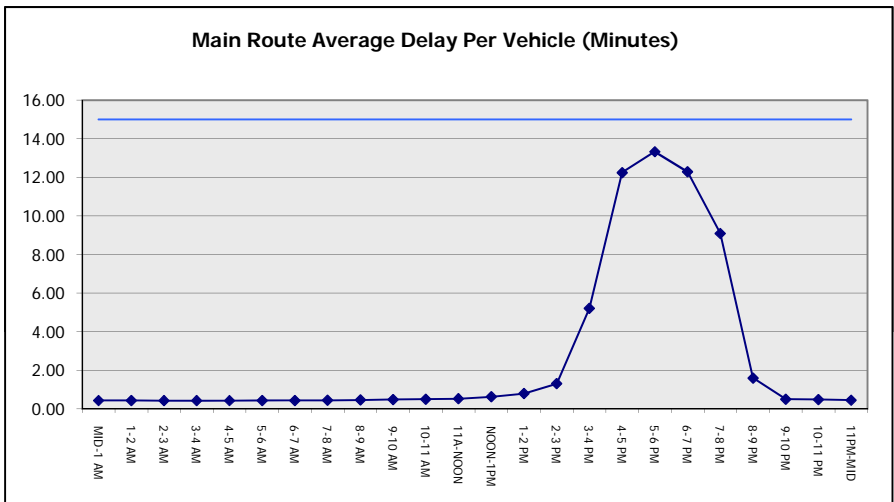
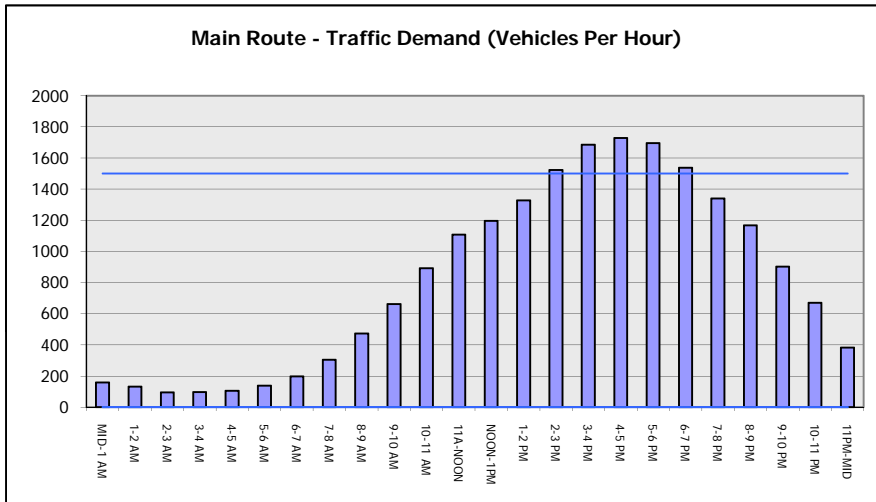
*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 128 - USH 12 - USH 63**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 94: STH 65 TO USH 12/STH 29 (DUNN AND ST CROIX COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 128 - USH 12 - USH 63	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	154	0.0	15	0.0	1500	154	0	15	0.44	0	66.1	62.7	44.8	39.6	39.6
1-2 AM	100	0.0	9	0.0	1500	100	0	9	0.43	0	66.2	62.8	45.1	39.6	39.6
2-3 AM	81	0.0	8	0.0	1500	81	0	8	0.43	0	66.3	62.8	45.1	39.6	39.6
3-4 AM	75	0.0	7	0.0	1500	75	0	7	0.43	0	66.3	62.8	45.2	39.7	39.7
4-5 AM	93	0.0	9	0.0	1500	93	0	9	0.43	0	66.2	62.8	45.1	39.6	39.6
5-6 AM	142	0.0	13	0.0	1500	142	0	13	0.44	0	66.1	62.7	44.9	39.6	39.6
6-7 AM	260	0.0	25	0.0	1500	260	0	25	0.45	0	65.9	62.4	44.5	39.4	39.4
7-8 AM	415	0.0	40	0.0	1500	415	0	40	0.46	0	65.6	62.0	43.8	39.2	39.2
8-9 AM	623	0.0	60	0.0	1500	623	0	60	0.48	0	65.2	61.5	43.0	39.0	39.0
9-10 AM	901	0.0	86	0.0	1500	901	0	86	0.51	0	64.7	60.9	42.0	38.7	38.7
10-11 AM	1168	0.0	113	0.0	1500	1168	0	113	0.60	0	64.2	59.9	39.5	38.3	38.3
11A-NOON	1243	0.0	120	0.0	1500	1243	0	120	0.69	0	64.1	59.1	37.1	38.3	38.3
NOON-1PM	1284	0.0	124	0.0	1500	1284	0	124	0.74	0	64.0	58.7	36.0	38.2	38.2
1-2 PM	1293	0.0	125	0.0	1500	1293	0	125	0.76	0	64.0	58.6	35.7	38.2	38.2
2-3 PM	1269	0.0	122	0.0	1500	1269	0	122	0.73	0	64.0	58.8	36.4	38.3	38.3
3-4 PM	1247	0.0	120	0.0	1500	1247	0	120	0.70	0	64.1	59.1	37.0	38.3	38.3
4-5 PM	1230	0.0	119	0.0	1500	1230	0	119	0.68	0	64.1	59.2	37.5	38.3	38.3
5-6 PM	1116	0.0	108	0.0	1500	1116	0	108	0.53	0	64.3	60.4	41.3	38.4	38.4
6-7 PM	948	0.0	91	0.0	1500	948	0	91	0.51	0	64.6	60.8	41.9	38.6	38.6
7-8 PM	795	0.0	76	0.0	1500	795	0	76	0.50	0	64.9	61.2	42.4	38.8	38.8
8-9 PM	613	0.0	59	0.0	1500	613	0	59	0.48	0	65.3	61.6	43.1	39.0	39.0
9-10 PM	460	0.0	45	0.0	1500	460	0	45	0.47	0	65.5	61.9	43.7	39.2	39.2
10-11 PM	325	0.0	31	0.0	1500	325	0	31	0.45	0	65.8	62.2	44.2	39.4	39.4
11PM-MID	262	0.0	25	0.0	1500	262	0	25	0.45	0	65.9	62.4	44.4	39.4	39.4

----- 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	0.0215
DIVERSION	0.0231

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,742
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY EASTBOUND DIRECTION

