

**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**

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	169	0.0	16	0.0	1500	169	0	16	0.44	0	66.1	62.7	44.8	39.6	39.6
1-2 AM	129	0.0	12	0.0	1500	129	0	12	0.43	0	66.1	62.7	45.0	39.6	39.6
2-3 AM	110	0.0	10	0.0	1500	110	0	10	0.43	0	66.2	62.8	45.0	39.6	39.6
3-4 AM	107	0.0	10	0.0	1500	107	0	10	0.43	0	66.2	62.8	45.1	39.6	39.6
4-5 AM	107	0.0	10	0.0	1500	107	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	180	0.0	17	0.0	1500	180	0	17	0.44	0	66.1	62.6	44.8	39.6	39.6
7-8 AM	256	0.0	24	0.0	1500	256	0	24	0.45	0	65.9	62.4	44.5	39.4	39.4
8-9 AM	400	0.0	39	0.0	1500	400	0	39	0.46	0	65.6	62.1	43.9	39.2	39.2
9-10 AM	642	0.0	62	0.0	1500	642	0	62	0.48	0	65.2	61.5	43.0	39.0	39.0
10-11 AM	910	0.0	87	0.0	1500	910	0	87	0.51	0	64.7	60.9	42.0	38.7	38.7
11A-NOON	1188	0.0	115	0.0	1500	1188	0	115	0.62	0	64.1	59.7	38.8	38.3	38.3
NOON-1PM	1329	0.0	128	0.0	1499	1329	0	128	0.80	0	63.9	58.2	34.8	38.1	38.1
1-2 PM	1525	0.0	147	0.0	1499	1525	0	147	1.34	9	63.5	54.7	31.1	37.9	37.9
2-3 PM	1734	0.0	166	0.0	1500	1734	0	166	5.91	142	63.2	36.9	30.8	37.7	37.7
3-4 PM	1933	0.0	186	0.0	1499	1623	310	496	14.27	361	62.8	23.3	30.8	37.4	33.6
4-5 PM	1997	0.0	192	0.0	1499	1511	486	678	15.89	404	62.7	21.7	30.8	37.4	31.3
5-6 PM	1904	0.0	184	0.0	1499	1467	437	621	15.38	390	62.8	22.2	30.8	37.4	32.0
6-7 PM	1674	0.0	161	0.0	1499	1444	230	391	13.49	338	63.3	24.2	30.8	37.8	34.9
7-8 PM	1539	0.0	148	0.0	1500	1471	68	216	12.25	303	63.5	25.6	30.8	37.9	37.1
8-9 PM	1256	0.0	121	0.0	1499	1256	0	121	7.39	185	64.0	33.8	32.5	38.3	38.3
9-10 PM	903	0.0	87	0.0	1500	903	0	87	0.57	1	64.7	60.5	42.0	38.7	38.7
10-11 PM	598	0.0	58	0.0	1500	598	0	58	0.48	0	65.3	61.6	43.2	39.0	39.0
11PM-MID	352	0.0	33	0.0	1500	352	0	33	0.46	0	65.7	62.2	44.1	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	0.0295
MAIN ROUTE WITH WORKS	0.0261
DIVERSION	0.0531

PIA: Personal Injury Accidents

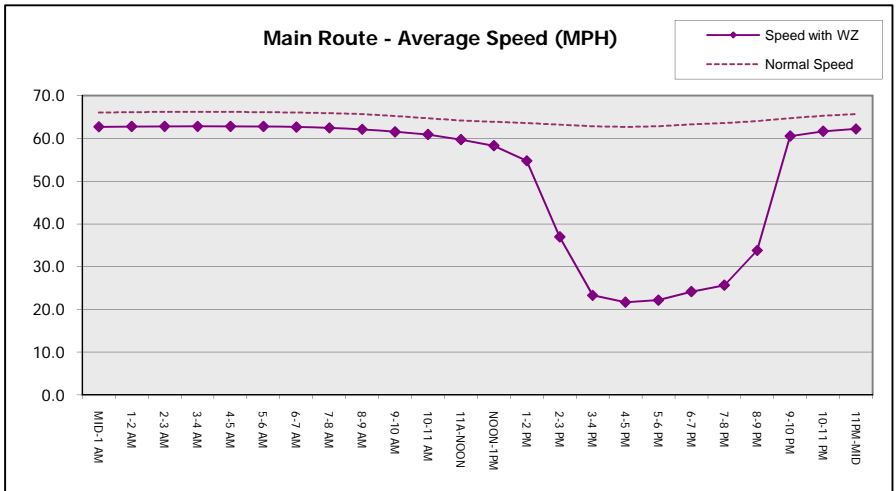
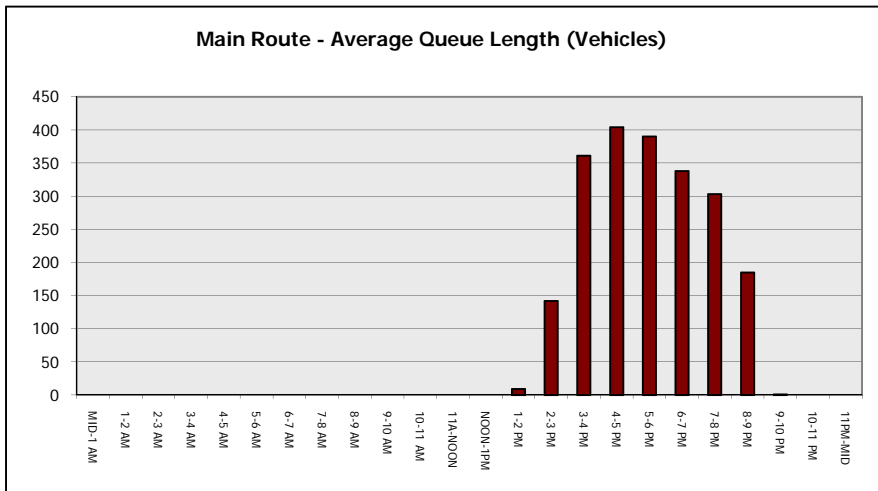
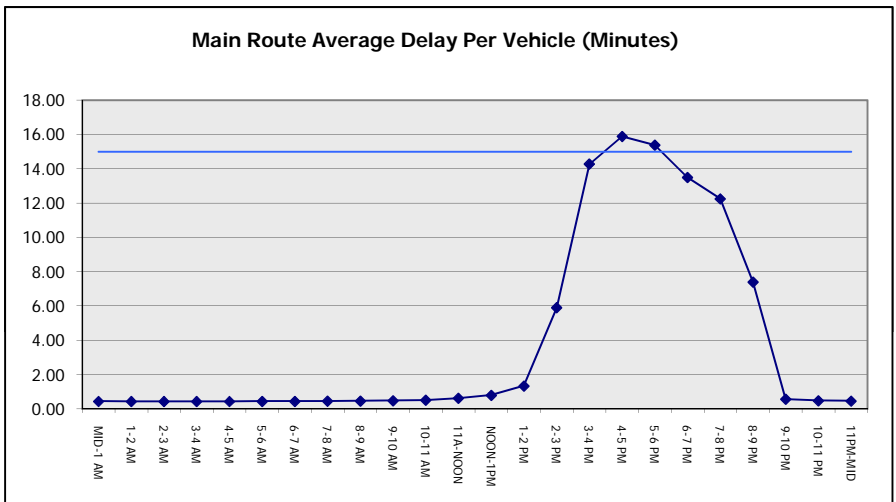
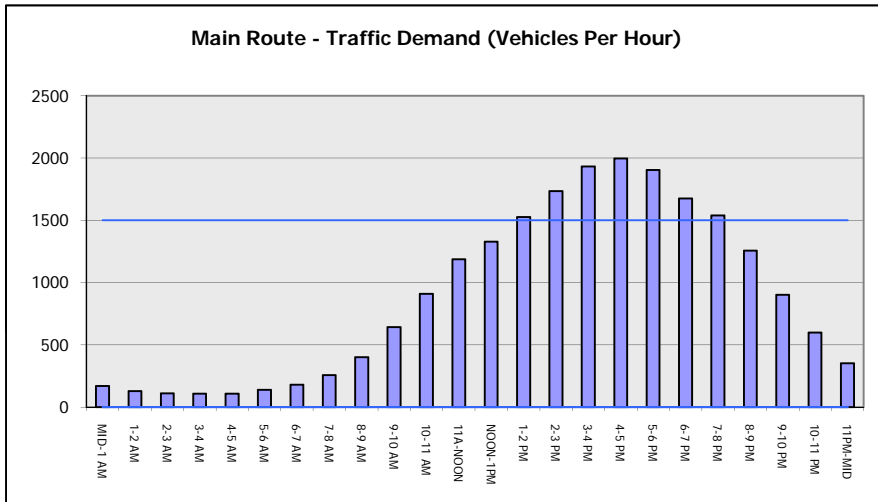
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$45,422
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
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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	OCTOBER
	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	195	0.0	18	0.0	1500	195	0	18	0.44	0	66.0	62.6	44.7	39.5	39.5
1-2 AM	121	0.0	11	0.0	1500	121	0	11	0.43	0	66.1	62.7	45.0	39.6	39.6
2-3 AM	101	0.0	10	0.0	1500	101	0	10	0.43	0	66.2	62.8	45.1	39.6	39.6
3-4 AM	83	0.0	8	0.0	1500	83	0	8	0.43	0	66.2	62.8	45.1	39.6	39.6
4-5 AM	104	0.0	10	0.0	1500	104	0	10	0.43	0	66.2	62.8	45.1	39.6	39.6
5-6 AM	144	0.0	14	0.0	1500	144	0	14	0.44	0	66.1	62.7	44.9	39.6	39.6
6-7 AM	249	0.0	24	0.0	1500	249	0	24	0.45	0	66.0	62.4	44.5	39.4	39.4
7-8 AM	402	0.0	39	0.0	1500	402	0	39	0.46	0	65.6	62.1	43.9	39.2	39.2
8-9 AM	606	0.0	58	0.0	1500	606	0	58	0.48	0	65.3	61.6	43.1	39.0	39.0
9-10 AM	932	0.0	89	0.0	1500	932	0	89	0.51	0	64.6	60.9	41.9	38.6	38.6
10-11 AM	1241	0.0	120	0.0	1500	1241	0	120	0.69	0	64.1	59.1	37.2	38.3	38.3
11A-NOON	1417	0.0	136	0.0	1500	1417	0	136	0.92	0	63.7	57.4	32.5	38.1	38.1
NOON-1PM	1459	0.0	140	0.0	1500	1459	0	140	0.97	0	63.7	57.0	31.7	38.0	38.0
1-2 PM	1479	0.0	142	0.0	1500	1479	0	142	1.00	0	63.7	56.8	31.2	38.0	38.0
2-3 PM	1471	0.0	141	0.0	1500	1471	0	141	0.99	0	63.7	56.9	31.4	38.0	38.0
3-4 PM	1450	0.0	139	0.0	1500	1450	0	139	0.96	0	63.7	57.1	31.9	38.0	38.0
4-5 PM	1416	0.0	136	0.0	1500	1416	0	136	0.92	0	63.8	57.4	32.6	38.1	38.1
5-6 PM	1256	0.0	121	0.0	1500	1256	0	121	0.71	0	64.0	59.0	36.8	38.3	38.3
6-7 PM	1009	0.0	97	0.0	1500	1009	0	97	0.52	0	64.5	60.7	41.7	38.6	38.6
7-8 PM	878	0.0	84	0.0	1500	878	0	84	0.51	0	64.8	61.0	42.1	38.7	38.7
8-9 PM	596	0.0	57	0.0	1500	596	0	57	0.48	0	65.3	61.6	43.2	39.1	39.1
9-10 PM	445	0.0	43	0.0	1500	445	0	43	0.47	0	65.6	62.0	43.7	39.2	39.2
10-11 PM	335	0.0	32	0.0	1500	335	0	32	0.45	0	65.8	62.2	44.2	39.4	39.4
11PM-MID	219	0.0	21	0.0	1500	219	0	21	0.44	0	66.0	62.5	44.6	39.5	39.5

----- 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	0.0247
MAIN ROUTE WITH WORKS	0.0235
DIVERSION	0.0252

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,847
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY EASTBOUND DIRECTION

