

<b>IH 94: STH 65 TO USH 12/STH 29 (DUNN AND ST CROIX COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 128 - USH 12 - USH 63</b>	<b>AUGUST</b>
	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	217	0.0	21	0.0	1500	217	0	21	0.44	0	66.0	62.5	44.6	39.5	39.5
1-2 AM	152	0.0	14	0.0	1500	152	0	14	0.44	0	66.1	62.7	44.9	39.6	39.6
2-3 AM	117	0.0	11	0.0	1500	117	0	11	0.43	0	66.1	62.7	45.0	39.6	39.6
3-4 AM	116	0.0	11	0.0	1500	116	0	11	0.43	0	66.2	62.8	45.0	39.6	39.6
4-5 AM	119	0.0	11	0.0	1500	119	0	11	0.43	0	66.1	62.7	45.0	39.6	39.6
5-6 AM	139	0.0	13	0.0	1500	139	0	13	0.44	0	66.1	62.7	45.0	39.6	39.6
6-7 AM	185	0.0	18	0.0	1500	185	0	18	0.44	0	66.0	62.6	44.7	39.5	39.5
7-8 AM	297	0.0	28	0.0	1500	297	0	28	0.45	0	65.8	62.3	44.3	39.4	39.4
8-9 AM	469	0.0	46	0.0	1500	469	0	46	0.47	0	65.5	61.9	43.6	39.2	39.2
9-10 AM	698	0.0	67	0.0	1500	698	0	67	0.49	0	65.1	61.4	42.8	38.9	38.9
10-11 AM	1050	0.0	102	0.0	1500	1050	0	102	0.52	0	64.5	60.5	41.5	38.5	38.5
11A-NOON	1353	0.0	130	0.0	1499	1353	0	130	0.83	0	63.8	58.0	34.2	38.1	38.1
NOON-1PM	1541	0.0	148	0.0	1499	1541	0	148	1.45	12	63.5	54.1	31.0	37.9	37.9
1-2 PM	1835	0.0	177	0.0	1500	1823	13	189	7.68	197	63.0	32.9	30.8	37.6	37.4
2-3 PM	2128	0.0	205	0.0	1499	1585	543	748	16.56	423	62.4	21.1	30.8	37.2	30.4
3-4 PM	2268	0.0	218	0.0	1499	1544	724	942	18.67	481	62.2	19.4	30.8	37.0	28.1
4-5 PM	2381	0.0	229	0.0	1500	1535	846	1075	20.34	527	62.0	18.3	30.8	36.9	26.4
5-6 PM	2232	0.0	215	0.0	1499	1436	796	1011	19.53	504	62.2	18.8	30.8	37.1	27.2
6-7 PM	1961	0.0	189	0.0	1499	1410	550	739	16.51	421	62.7	21.2	30.8	37.4	30.6
7-8 PM	1670	0.0	160	0.0	1500	1428	242	402	13.58	340	63.3	24.1	30.8	37.8	34.8
8-9 PM	1374	0.0	132	0.0	1499	1362	13	145	10.49	257	63.8	28.1	30.8	38.1	37.9
9-10 PM	996	0.0	96	0.0	1500	996	0	96	1.61	35	64.5	53.9	40.2	38.6	38.6
10-11 PM	666	0.0	64	0.0	1500	666	0	64	0.49	0	65.1	61.5	42.9	38.9	38.9
11PM-MID	466	0.0	45	0.0	1500	466	0	45	0.47	0	65.5	61.9	43.7	39.2	39.2

*----- 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	0.0342
MAIN ROUTE WITH WORKS	0.0276
DIVERSION	0.0907

PIA: Personal Injury Accidents

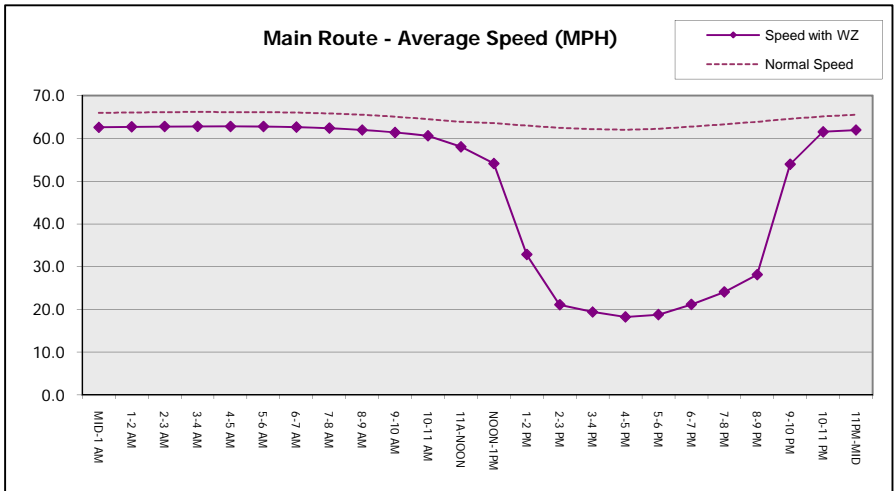
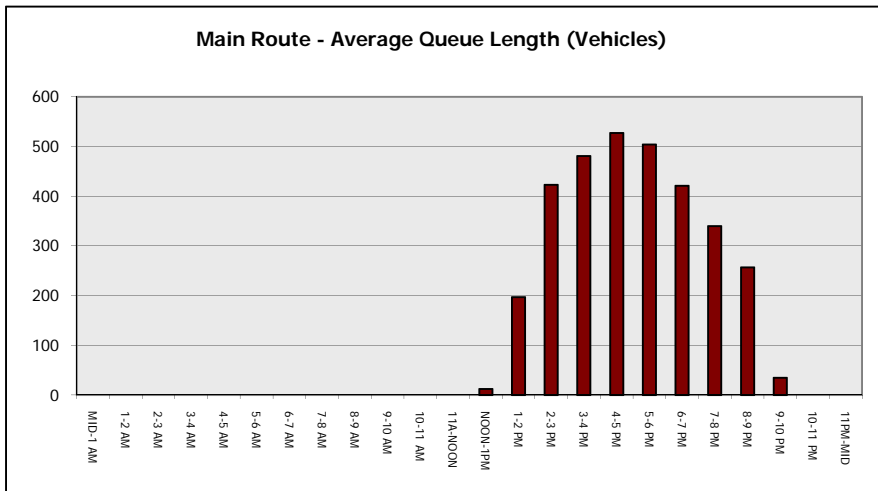
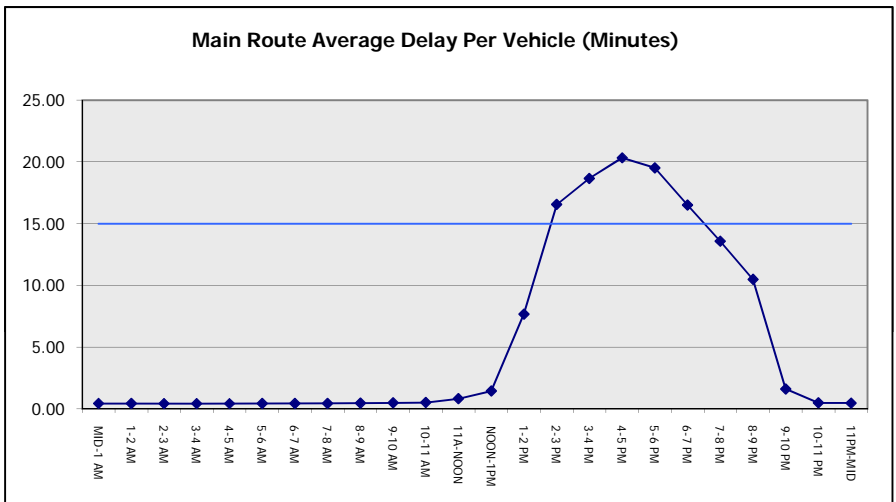
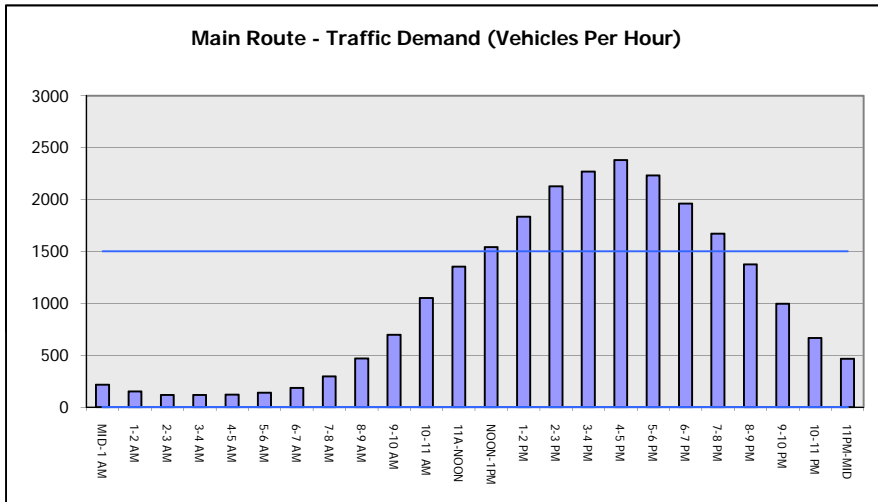
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$77,564
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

**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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: STH 65 TO USH 12/STH 29 (DUNN AND ST CROIX COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 128 - USH 12 - USH 63</b>	<b>AUGUST</b>
	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	211	0.0	20	0.0	1500	211	0	20	0.44	0	66.0	62.5	44.6	39.5	39.5
1-2 AM	139	0.0	13	0.0	1500	139	0	13	0.44	0	66.1	62.7	45.0	39.6	39.6
2-3 AM	105	0.0	10	0.0	1500	105	0	10	0.43	0	66.2	62.8	45.1	39.6	39.6
3-4 AM	90	0.0	8	0.0	1500	90	0	8	0.43	0	66.2	62.8	45.1	39.6	39.6
4-5 AM	95	0.0	9	0.0	1500	95	0	9	0.43	0	66.2	62.8	45.1	39.6	39.6
5-6 AM	148	0.0	14	0.0	1500	148	0	14	0.44	0	66.1	62.7	44.9	39.6	39.6
6-7 AM	312	0.0	30	0.0	1500	312	0	30	0.45	0	65.8	62.3	44.2	39.4	39.4
7-8 AM	528	0.0	51	0.0	1500	528	0	51	0.47	0	65.4	61.8	43.4	39.1	39.1
8-9 AM	779	0.0	75	0.0	1500	779	0	75	0.50	0	65.0	61.2	42.5	38.8	38.8
9-10 AM	1149	0.0	111	0.0	1499	1149	0	111	0.60	0	64.3	59.9	39.4	38.4	38.4
10-11 AM	1476	0.0	142	0.0	1499	1476	0	142	1.09	3	63.7	56.3	31.5	38.0	38.0
11A-NOON	1545	0.0	149	0.0	1499	1545	0	149	2.04	28	63.5	51.0	30.8	37.9	37.9
NOON-1PM	1705	0.0	164	0.0	1500	1705	0	164	6.52	156	63.2	35.5	30.8	37.7	37.7
1-2 PM	1670	0.0	160	0.0	1499	1558	112	272	12.51	311	63.3	25.3	30.8	37.8	36.4
2-3 PM	1524	0.0	147	0.0	1499	1470	55	202	12.15	300	63.5	25.8	30.8	37.9	37.3
3-4 PM	1466	0.0	141	0.0	1499	1466	0	141	11.27	276	63.7	27.0	30.8	38.0	38.0
4-5 PM	1413	0.0	136	0.0	1499	1413	0	136	9.14	219	63.8	30.3	30.8	38.1	38.1
5-6 PM	1237	0.0	119	0.0	1499	1237	0	119	2.69	61	64.1	48.3	35.1	38.3	38.3
6-7 PM	1109	0.0	107	0.0	1500	1109	0	107	0.53	0	64.3	60.4	41.3	38.4	38.4
7-8 PM	935	0.0	90	0.0	1500	935	0	90	0.51	0	64.6	60.8	41.9	38.6	38.6
8-9 PM	781	0.0	75	0.0	1500	781	0	75	0.50	0	65.0	61.2	42.5	38.8	38.8
9-10 PM	552	0.0	53	0.0	1500	552	0	53	0.48	0	65.3	61.7	43.3	39.1	39.1
10-11 PM	382	0.0	37	0.0	1500	382	0	37	0.46	0	65.7	62.1	44.0	39.3	39.3
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	0.0275
MAIN ROUTE WITH WORKS	0.0259
DIVERSION	0.0307

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$27,370
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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

