

<b>IH 94: STH 65 TO USH 12/STH 29 (DUNN AND ST CROIX COUNTIES)</b> <b>NIGHTTIME 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**

**FRIDAY 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	271	0.0	26	0.0	1500	271	0	26	0.45	0	65.9	62.4	44.4	39.4	39.4
1-2 AM	225	0.0	21	0.0	1500	225	0	21	0.44	0	66.0	62.5	44.6	39.5	39.5
2-3 AM	235	0.0	22	0.0	1500	235	0	22	0.45	0	66.0	62.5	44.5	39.5	39.5
3-4 AM	273	0.0	26	0.0	1500	273	0	26	0.45	0	65.9	62.4	44.4	39.4	39.4
4-5 AM	454	0.0	44	0.0	1500	454	0	44	0.47	0	65.5	62.0	43.7	39.2	39.2
5-6 AM	723	0.0	70	0.0	OFF	723	0	70	0.00	0	65.0	65.0	65.0	38.9	38.9
6-7 AM	843	0.0	81	0.0	OFF	843	0	81	0.00	0	64.8	64.8	64.8	38.8	38.8
7-8 AM	901	0.0	86	0.0	OFF	901	0	86	0.00	0	64.7	64.7	64.7	38.7	38.7
8-9 AM	878	0.0	84	0.0	OFF	878	0	84	0.00	0	64.8	64.8	64.8	38.7	38.7
9-10 AM	952	0.0	91	0.0	OFF	952	0	91	0.00	0	64.6	64.6	64.6	38.6	38.6
10-11 AM	1109	0.0	107	0.0	OFF	1109	0	107	0.00	0	64.3	64.3	64.3	38.4	38.4
11A-NOON	1221	0.0	118	0.0	OFF	1221	0	118	0.00	0	64.1	64.1	64.1	38.3	38.3
NOON-1PM	1268	0.0	122	0.0	OFF	1268	0	122	0.00	0	64.0	64.0	64.0	38.3	38.3
1-2 PM	1469	0.0	141	0.0	OFF	1469	0	141	0.00	0	63.7	63.7	63.7	38.0	38.0
2-3 PM	1563	0.0	150	0.0	OFF	1563	0	150	0.00	0	63.5	63.5	63.5	37.9	37.9
3-4 PM	1566	0.0	150	0.0	OFF	1566	0	150	0.00	0	63.5	63.5	63.5	37.9	37.9
4-5 PM	1500	0.0	144	0.0	OFF	1500	0	144	0.00	0	63.6	63.6	63.6	37.9	37.9
5-6 PM	1439	0.0	138	0.0	OFF	1439	0	138	0.00	0	63.7	63.7	63.7	38.0	38.0
6-7 PM	1326	0.0	128	0.0	OFF	1326	0	128	0.00	0	63.9	63.9	63.9	38.1	38.1
7-8 PM	1110	0.0	107	0.0	1500	1110	0	107	0.53	0	64.3	60.4	41.3	38.4	38.4
8-9 PM	930	0.0	89	0.0	1500	930	0	89	0.51	0	64.6	60.9	41.9	38.6	38.6
9-10 PM	872	0.0	84	0.0	1500	872	0	84	0.51	0	64.8	61.0	42.1	38.7	38.7
10-11 PM	655	0.0	63	0.0	1500	655	0	63	0.49	0	65.1	61.5	42.9	38.9	38.9
11PM-MID	433	0.0	42	0.0	1500	433	0	42	0.46	0	65.6	62.0	43.8	39.2	39.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0311
MAIN ROUTE WITH WORKS	0.0307
DIVERSION	0.0319

PIA: Personal Injury Accidents

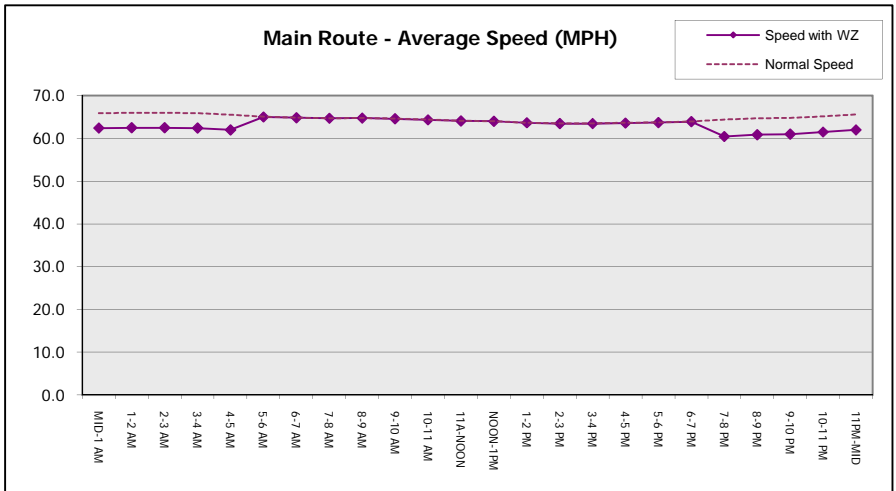
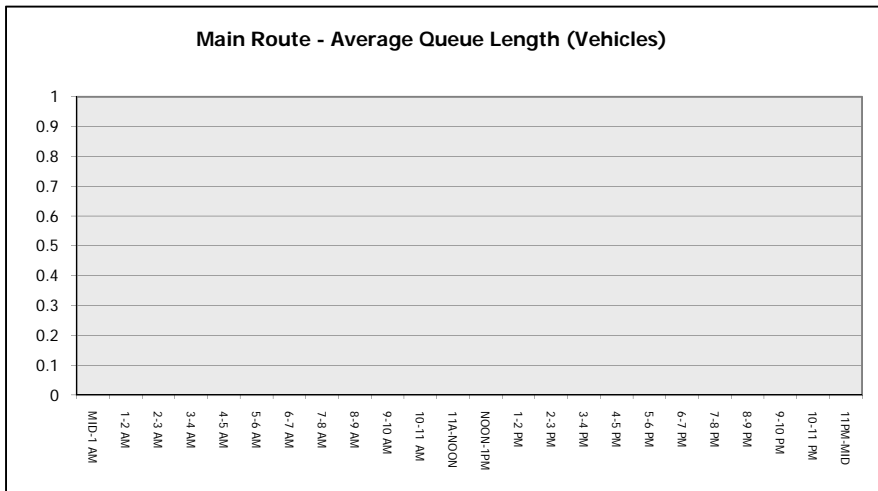
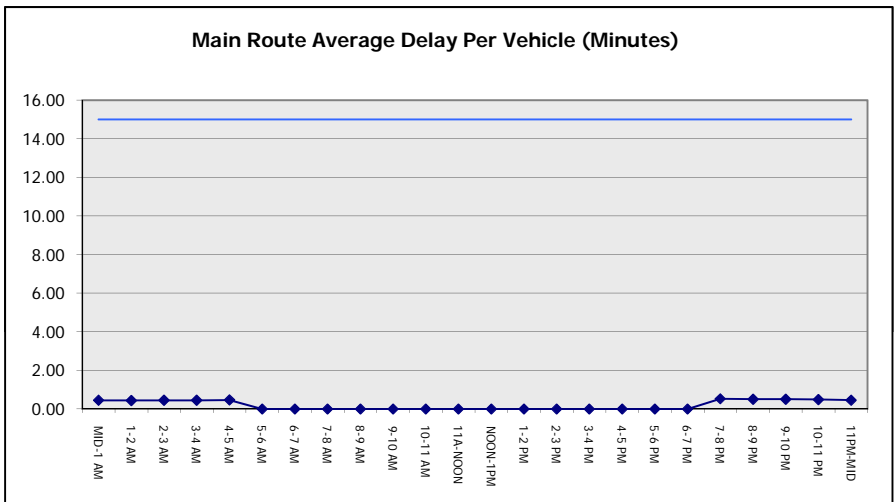
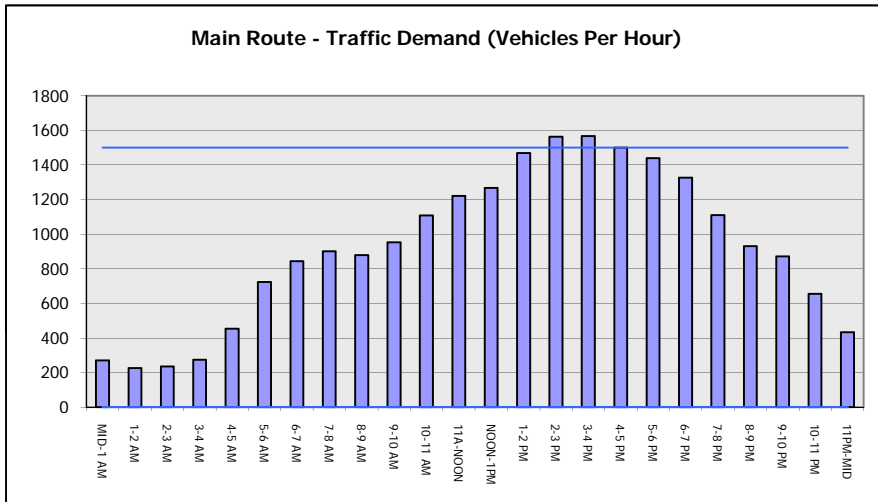
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$575
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 94: STH 65 TO USH 12/STH 29 (DUNN AND ST CROIX COUNTIES)</b> <b>NIGHTTIME 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**

FRIDAY 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	305	0.0	29	0.0	1500	305	0	29	0.45	0	65.8	62.3	44.3	39.4	39.4
1-2 AM	198	0.0	19	0.0	1500	198	0	19	0.44	0	66.0	62.5	44.7	39.5	39.5
2-3 AM	174	0.0	16	0.0	1500	174	0	16	0.44	0	66.1	62.6	44.8	39.6	39.6
3-4 AM	173	0.0	16	0.0	1500	173	0	16	0.44	0	66.1	62.6	44.8	39.6	39.6
4-5 AM	218	0.0	21	0.0	1500	218	0	21	0.44	0	66.0	62.5	44.6	39.5	39.5
5-6 AM	367	0.0	36	0.0	OFF	367	0	36	0.00	0	65.7	65.7	65.7	39.3	39.3
6-7 AM	615	0.0	59	0.0	OFF	615	0	59	0.00	0	65.3	65.3	65.3	39.0	39.0
7-8 AM	901	0.0	86	0.0	OFF	901	0	86	0.00	0	64.7	64.7	64.7	38.7	38.7
8-9 AM	1075	0.0	104	0.0	OFF	1075	0	104	0.00	0	64.4	64.4	64.4	38.4	38.4
9-10 AM	1373	0.0	132	0.0	OFF	1373	0	132	0.00	0	63.8	63.8	63.8	38.1	38.1
10-11 AM	1688	0.0	162	0.0	OFF	1688	0	162	0.00	0	63.2	63.2	63.2	37.8	37.8
11A-NOON	1712	0.0	164	0.0	OFF	1712	0	164	0.00	0	63.2	63.2	63.2	37.7	37.7
NOON-1PM	1710	0.0	164	0.0	OFF	1710	0	164	0.00	0	63.2	63.2	63.2	37.7	37.7
1-2 PM	1977	0.0	191	0.0	OFF	1977	0	191	0.00	0	62.7	62.7	62.7	37.4	37.4
2-3 PM	2053	0.0	198	0.0	OFF	2053	0	198	0.00	0	62.5	62.5	62.5	37.3	37.3
3-4 PM	1989	0.0	192	0.0	OFF	1989	0	192	0.00	0	62.7	62.7	62.7	37.4	37.4
4-5 PM	2015	0.0	194	0.0	OFF	2015	0	194	0.00	0	62.7	62.7	62.7	37.3	37.3
5-6 PM	1933	0.0	186	0.0	OFF	1933	0	186	0.00	0	62.8	62.8	62.8	37.4	37.4
6-7 PM	1846	0.0	178	0.0	OFF	1846	0	178	0.00	0	63.0	63.0	63.0	37.5	37.5
7-8 PM	1327	0.0	128	0.0	1500	1327	0	128	0.80	0	63.9	58.2	34.8	38.1	38.1
8-9 PM	935	0.0	90	0.0	1500	935	0	90	0.51	0	64.6	60.8	41.9	38.6	38.6
9-10 PM	692	0.0	67	0.0	1500	692	0	67	0.49	0	65.1	61.4	42.8	38.9	38.9
10-11 PM	590	0.0	57	0.0	1500	590	0	57	0.48	0	65.3	61.6	43.2	39.1	39.1
11PM-MID	445	0.0	43	0.0	1500	445	0	43	0.47	0	65.6	62.0	43.7	39.2	39.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0368
MAIN ROUTE WITH WORKS	0.0365
DIVERSION	0.0378

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$608
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 128 - USH 12 - USH 63**

**AUGUST**  
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**FRIDAY EASTBOUND DIRECTION**

