

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

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	OFF	698	0	67	0.00	0	65.1	65.1	65.1	38.9	38.9
10-11 AM	1050	0.0	102	0.0	OFF	1050	0	102	0.00	0	64.5	64.5	64.5	38.5	38.5
11A-NOON	1353	0.0	130	0.0	OFF	1353	0	130	0.00	0	63.8	63.8	63.8	38.1	38.1
NOON-1PM	1541	0.0	148	0.0	OFF	1541	0	148	0.00	0	63.5	63.5	63.5	37.9	37.9
1-2 PM	1835	0.0	177	0.0	OFF	1835	0	177	0.00	0	63.0	63.0	63.0	37.6	37.6
2-3 PM	2128	0.0	205	0.0	OFF	2128	0	205	0.00	0	62.4	62.4	62.4	37.2	37.2
3-4 PM	2268	0.0	218	0.0	OFF	2268	0	218	0.00	0	62.2	62.2	62.2	37.0	37.0
4-5 PM	2381	0.0	229	0.0	OFF	2381	0	229	0.00	0	62.0	62.0	62.0	36.9	36.9
5-6 PM	2232	0.0	215	0.0	OFF	2232	0	215	0.00	0	62.2	62.2	62.2	37.1	37.1
6-7 PM	1961	0.0	189	0.0	OFF	1961	0	189	0.00	0	62.7	62.7	62.7	37.4	37.4
7-8 PM	1670	0.0	160	0.0	1499	1670	0	160	4.64	103	63.3	40.7	30.8	37.8	37.8
8-9 PM	1374	0.0	132	0.0	1499	1374	0	132	5.59	127	63.8	38.1	31.6	38.1	38.1
9-10 PM	996	0.0	96	0.0	1500	996	0	97	0.60	2	64.5	60.1	41.7	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

"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	0.0342
MAIN ROUTE WITH WORKS	0.0337
DIVERSION	0.0351

PIA: Personal Injury Accidents

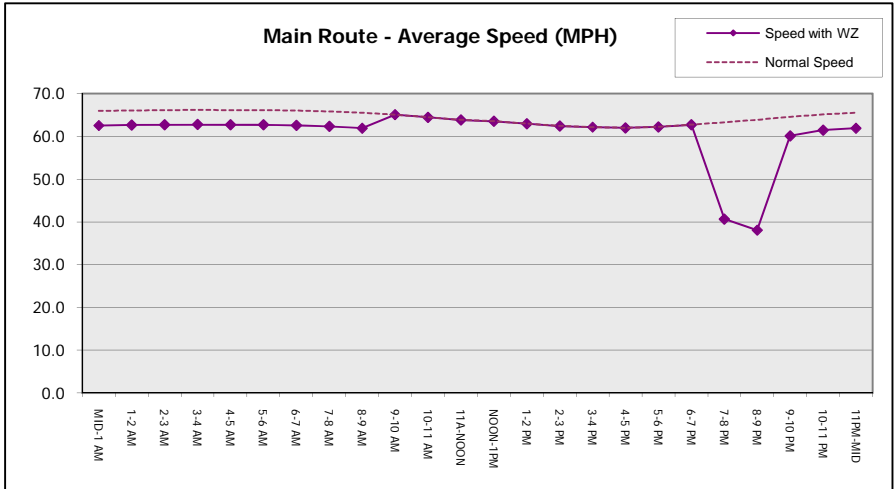
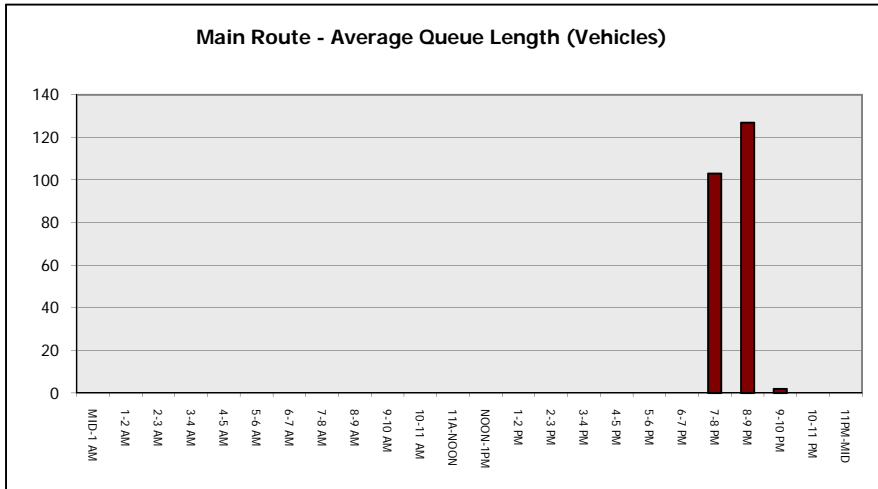
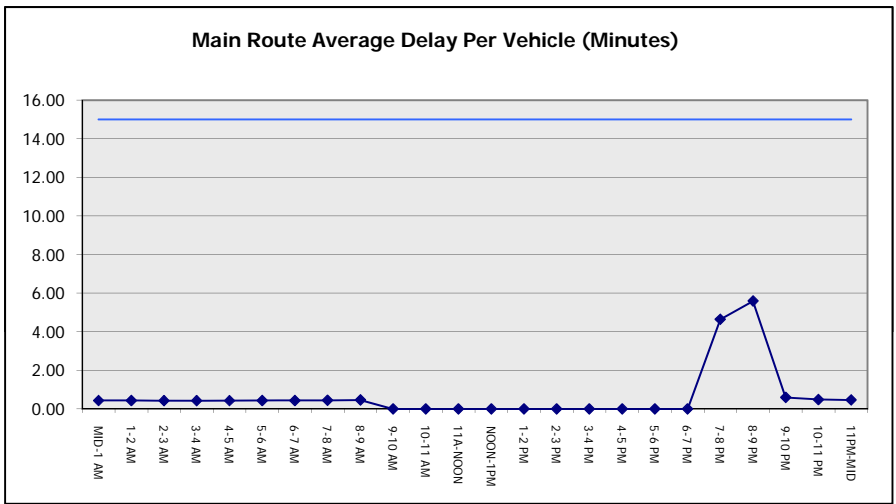
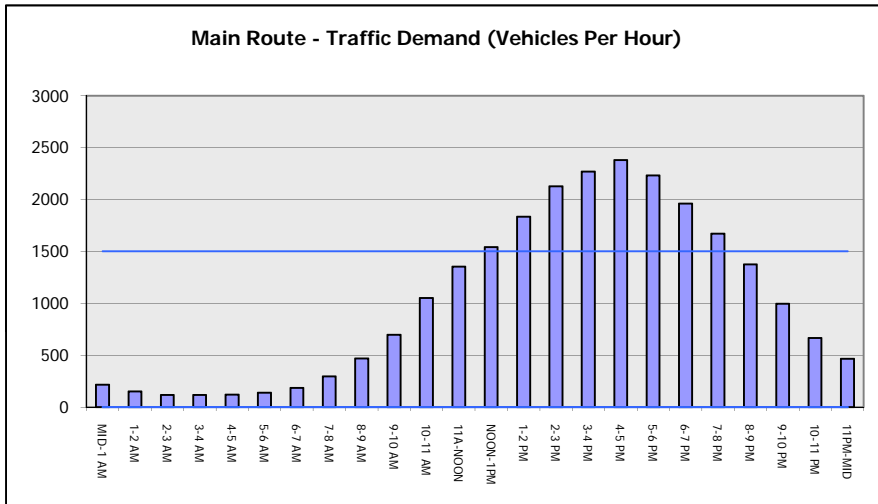
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,504
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 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



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
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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	OFF	1149	0	111	0.00	0	64.3	64.3	64.3	38.4	38.4
10-11 AM	1476	0.0	142	0.0	OFF	1476	0	142	0.00	0	63.7	63.7	63.7	38.0	38.0
11A-NOON	1545	0.0	149	0.0	OFF	1545	0	149	0.00	0	63.5	63.5	63.5	37.9	37.9
NOON-1PM	1705	0.0	164	0.0	OFF	1705	0	164	0.00	0	63.2	63.2	63.2	37.7	37.7
1-2 PM	1670	0.0	160	0.0	OFF	1670	0	160	0.00	0	63.3	63.3	63.3	37.8	37.8
2-3 PM	1524	0.0	147	0.0	OFF	1524	0	147	0.00	0	63.5	63.5	63.5	37.9	37.9
3-4 PM	1466	0.0	141	0.0	OFF	1466	0	141	0.00	0	63.7	63.7	63.7	38.0	38.0
4-5 PM	1413	0.0	136	0.0	OFF	1413	0	136	0.00	0	63.8	63.8	63.8	38.1	38.1
5-6 PM	1237	0.0	119	0.0	OFF	1237	0	119	0.00	0	64.1	64.1	64.1	38.3	38.3
6-7 PM	1109	0.0	107	0.0	OFF	1109	0	107	0.00	0	64.3	64.3	64.3	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

"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	0.0275
MAIN ROUTE WITH WORKS	0.0271
DIVERSION	0.0282

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$660
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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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

