

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

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	1500	723	0	70	0.49	0	65.0	61.3	42.7	38.9	38.9
6-7 AM	843	0.0	81	0.0	1500	843	0	81	0.50	0	64.8	61.0	42.2	38.8	38.8
7-8 AM	901	0.0	86	0.0	1500	901	0	86	0.51	0	64.7	60.9	42.0	38.7	38.7
8-9 AM	878	0.0	84	0.0	1500	878	0	84	0.51	0	64.8	61.0	42.1	38.7	38.7
9-10 AM	952	0.0	91	0.0	1500	952	0	91	0.51	0	64.6	60.8	41.9	38.6	38.6
10-11 AM	1109	0.0	107	0.0	1500	1109	0	107	0.53	0	64.3	60.4	41.3	38.4	38.4
11A-NOON	1221	0.0	118	0.0	1500	1221	0	118	0.66	0	64.1	59.3	37.8	38.3	38.3
NOON-1PM	1268	0.0	122	0.0	1499	1268	0	122	0.72	0	64.0	58.9	36.4	38.3	38.3
1-2 PM	1469	0.0	141	0.0	1499	1469	0	141	1.01	0	63.7	56.8	31.5	38.0	38.0
2-3 PM	1563	0.0	150	0.0	1500	1563	0	150	2.13	31	63.5	50.5	30.8	37.9	37.9
3-4 PM	1566	0.0	150	0.0	1500	1566	0	150	4.70	100	63.5	40.6	30.8	37.9	37.9
4-5 PM	1500	0.0	144	0.0	1499	1500	0	144	6.02	134	63.6	36.8	30.8	37.9	37.9
5-6 PM	1439	0.0	138	0.0	1499	1439	0	138	4.93	105	63.7	39.9	30.8	38.0	38.0
6-7 PM	1326	0.0	128	0.0	1499	1326	0	128	1.46	18	63.9	54.3	34.1	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

----- 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	0.0296
DIVERSION	0.0319

PIA: Personal Injury Accidents

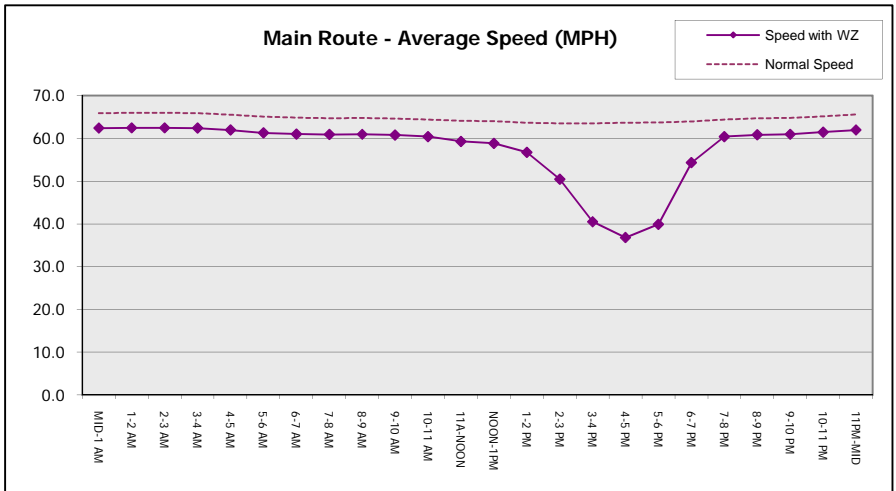
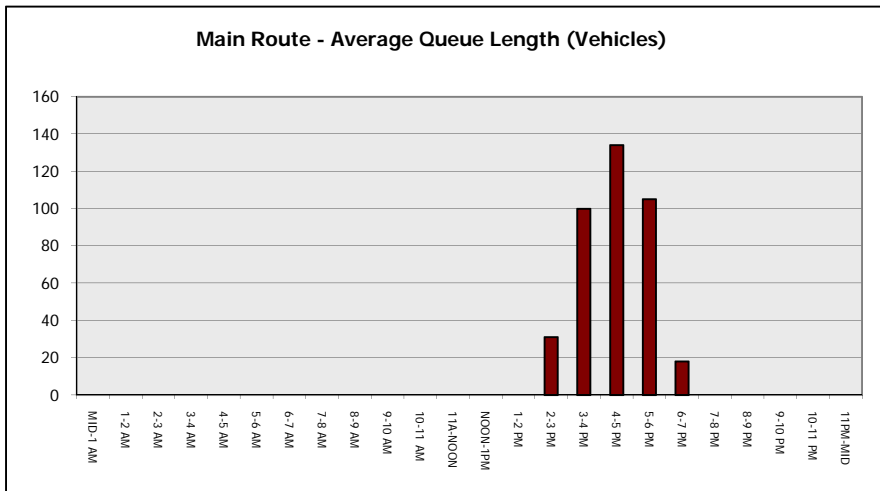
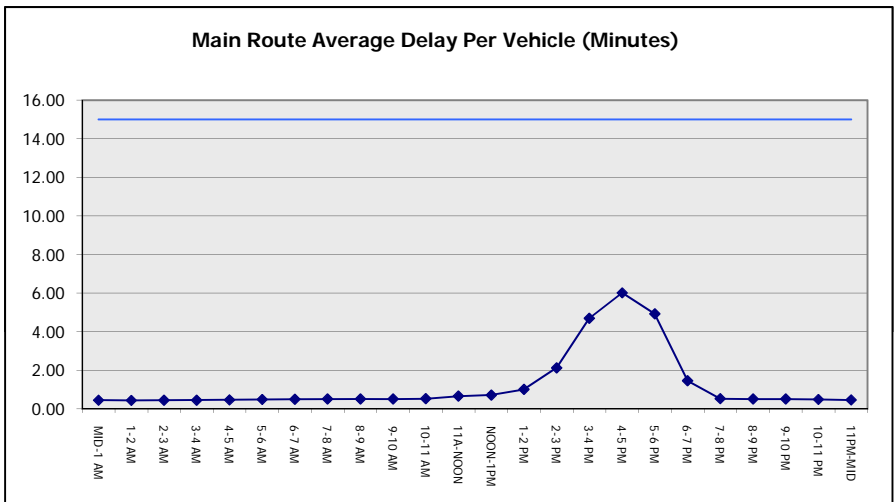
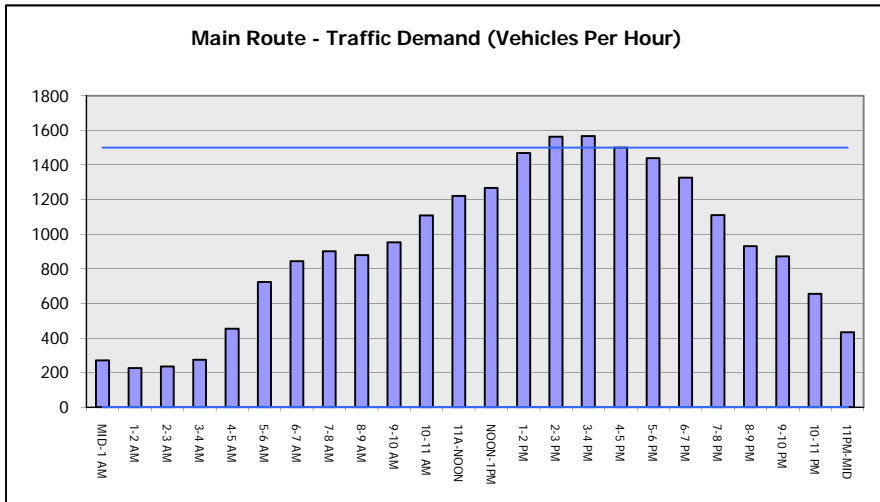
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,022
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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	AUGUST
	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	1500	367	0	36	0.46	0	65.7	62.2	44.0	39.3	39.3
6-7 AM	615	0.0	59	0.0	1500	615	0	59	0.48	0	65.3	61.5	43.1	39.0	39.0
7-8 AM	901	0.0	86	0.0	1500	901	0	86	0.51	0	64.7	60.9	42.0	38.7	38.7
8-9 AM	1075	0.0	104	0.0	1500	1075	0	104	0.53	0	64.4	60.5	41.4	38.4	38.4
9-10 AM	1373	0.0	132	0.0	1499	1373	0	132	0.86	0	63.8	57.8	33.7	38.1	38.1
10-11 AM	1688	0.0	162	0.0	1499	1688	0	162	3.84	83	63.2	43.3	30.8	37.8	37.8
11A-NOON	1712	0.0	164	0.0	1499	1645	67	232	11.22	279	63.2	27.0	30.8	37.7	36.9
NOON-1PM	1710	0.0	164	0.0	1499	1508	202	366	13.29	332	63.2	24.4	30.8	37.7	35.2
1-2 PM	1977	0.0	191	0.0	1500	1570	408	598	15.16	384	62.7	22.4	30.8	37.4	32.3
2-3 PM	2053	0.0	198	0.0	1499	1513	539	737	16.47	420	62.5	21.2	30.8	37.3	30.6
3-4 PM	1989	0.0	192	0.0	1499	1480	508	700	16.11	410	62.7	21.5	30.8	37.4	31.1
4-5 PM	2015	0.0	194	0.0	1500	1507	509	703	16.13	410	62.7	21.5	30.8	37.3	31.0
5-6 PM	1933	0.0	186	0.0	1499	1474	459	645	15.60	396	62.8	22.0	30.8	37.4	31.7
6-7 PM	1846	0.0	178	0.0	1500	1466	380	557	14.82	374	63.0	22.7	30.8	37.5	32.9
7-8 PM	1327	0.0	128	0.0	1499	1285	42	170	10.26	255	63.9	28.5	31.2	38.1	37.6
8-9 PM	935	0.0	90	0.0	1500	935	0	90	1.08	19	64.6	57.1	41.7	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

----- 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	0.0309
DIVERSION	0.0842

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$61,000
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

