

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

MON-THUR 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	201	0.0	19	0.0	1500	201	0	19	0.44	0	66.0	62.5	44.6	39.5	39.5
1-2 AM	185	0.0	18	0.0	1500	185	0	18	0.44	0	66.0	62.6	44.7	39.5	39.5
2-3 AM	200	0.0	19	0.0	1500	200	0	19	0.44	0	66.0	62.5	44.7	39.5	39.5
3-4 AM	265	0.0	25	0.0	1500	265	0	25	0.45	0	65.9	62.4	44.4	39.4	39.4
4-5 AM	480	0.0	47	0.0	1500	480	0	47	0.47	0	65.5	61.9	43.6	39.2	39.2
5-6 AM	836	0.0	80	0.0	1500	836	0	80	0.50	0	64.8	61.0	42.3	38.8	38.8
6-7 AM	947	0.0	91	0.0	1500	947	0	91	0.51	0	64.6	60.8	41.9	38.6	38.6
7-8 AM	905	0.0	87	0.0	1500	905	0	87	0.51	0	64.7	60.9	42.0	38.7	38.7
8-9 AM	831	0.0	80	0.0	1500	831	0	80	0.50	0	64.8	61.0	42.3	38.8	38.8
9-10 AM	782	0.0	75	0.0	1500	782	0	75	0.50	0	65.0	61.2	42.5	38.8	38.8
10-11 AM	807	0.0	78	0.0	1500	807	0	78	0.50	0	64.9	61.1	42.4	38.8	38.8
11A-NOON	838	0.0	80	0.0	1500	838	0	80	0.50	0	64.8	61.0	42.2	38.8	38.8
NOON-1PM	854	0.0	82	0.0	1500	854	0	82	0.51	0	64.8	61.0	42.2	38.8	38.8
1-2 PM	939	0.0	90	0.0	1500	939	0	90	0.51	0	64.6	60.8	41.9	38.6	38.6
2-3 PM	955	0.0	91	0.0	1500	955	0	91	0.51	0	64.6	60.8	41.9	38.6	38.6
3-4 PM	1013	0.0	97	0.0	1500	1013	0	97	0.52	0	64.5	60.7	41.6	38.6	38.6
4-5 PM	1019	0.0	98	0.0	1500	1019	0	98	0.52	0	64.5	60.6	41.6	38.5	38.5
5-6 PM	943	0.0	90	0.0	1500	943	0	90	0.51	0	64.6	60.8	41.9	38.6	38.6
6-7 PM	784	0.0	75	0.0	1500	784	0	75	0.50	0	64.9	61.2	42.5	38.8	38.8
7-8 PM	646	0.0	62	0.0	1500	646	0	62	0.49	0	65.2	61.5	43.0	39.0	39.0
8-9 PM	538	0.0	52	0.0	1500	538	0	52	0.47	0	65.4	61.7	43.3	39.1	39.1
9-10 PM	459	0.0	44	0.0	1500	459	0	44	0.47	0	65.5	61.9	43.7	39.2	39.2
10-11 PM	342	0.0	32	0.0	1500	342	0	32	0.46	0	65.8	62.2	44.1	39.4	39.4
11PM-MID	240	0.0	23	0.0	1500	240	0	23	0.45	0	66.0	62.5	44.5	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	0.0224
MAIN ROUTE WITH WORKS	0.0214
DIVERSION	0.0230

PIA: Personal Injury Accidents

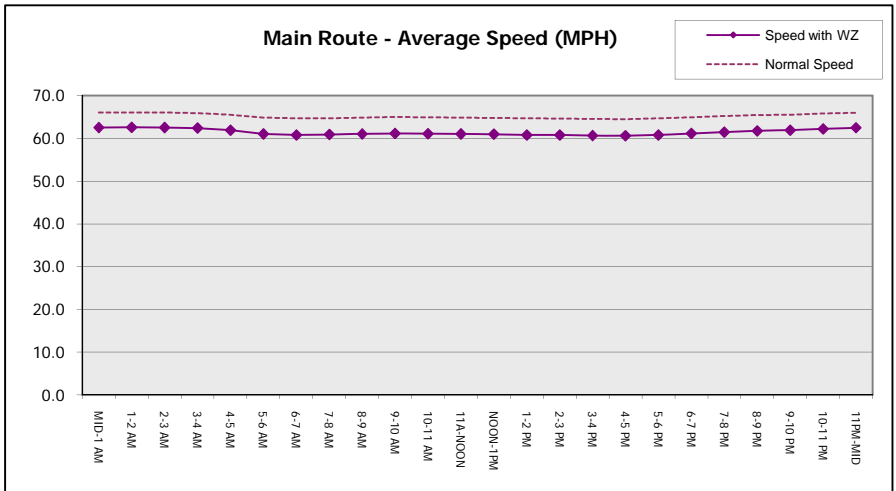
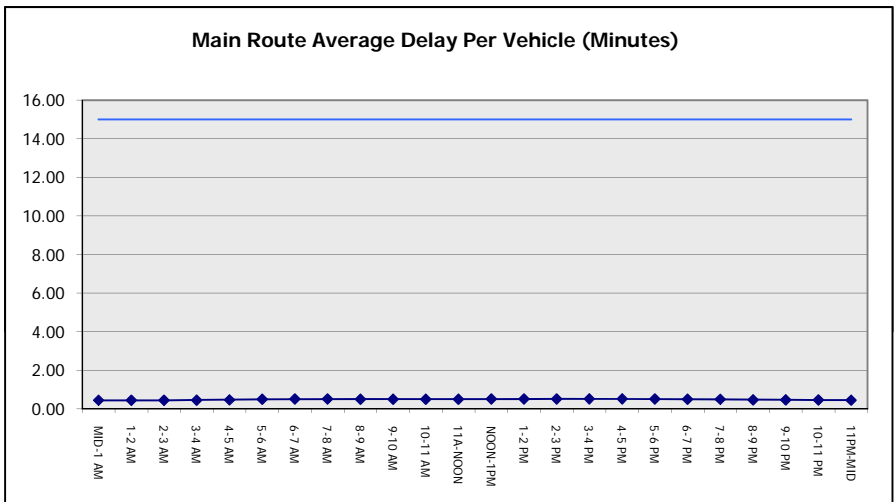
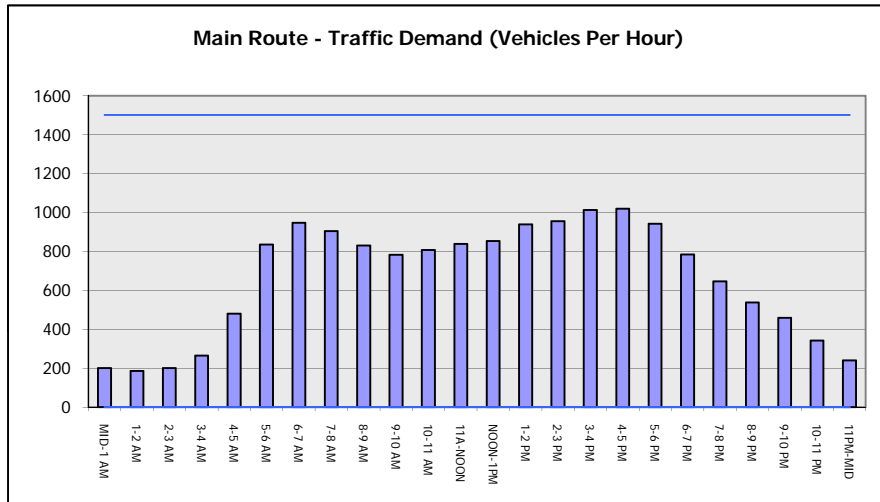
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,596
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	206	0.0	19	0.0	1500	206	0	19	0.44	0	66.0	62.5	44.6	39.5	39.5
1-2 AM	138	0.0	13	0.0	1500	138	0	13	0.44	0	66.1	62.7	45.0	39.6	39.6
2-3 AM	124	0.0	12	0.0	1500	124	0	12	0.43	0	66.1	62.7	45.0	39.6	39.6
3-4 AM	141	0.0	13	0.0	1500	141	0	13	0.44	0	66.1	62.7	44.9	39.6	39.6
4-5 AM	200	0.0	19	0.0	1500	200	0	19	0.44	0	66.0	62.5	44.7	39.5	39.5
5-6 AM	342	0.0	32	0.0	1500	342	0	32	0.46	0	65.8	62.2	44.1	39.4	39.4
6-7 AM	582	0.0	56	0.0	1500	582	0	56	0.48	0	65.3	61.7	43.2	39.1	39.1
7-8 AM	764	0.0	73	0.0	1500	764	0	73	0.50	0	65.0	61.2	42.5	38.8	38.8
8-9 AM	801	0.0	77	0.0	1500	801	0	77	0.50	0	64.9	61.1	42.4	38.8	38.8
9-10 AM	918	0.0	88	0.0	1500	918	0	88	0.51	0	64.6	60.9	42.0	38.6	38.6
10-11 AM	980	0.0	94	0.0	1500	980	0	94	0.52	0	64.6	60.7	41.7	38.6	38.6
11A-NOON	960	0.0	92	0.0	1500	960	0	92	0.52	0	64.6	60.7	41.8	38.6	38.6
NOON-1PM	949	0.0	91	0.0	1500	949	0	91	0.51	0	64.6	60.8	41.9	38.6	38.6
1-2 PM	1014	0.0	97	0.0	1500	1014	0	97	0.52	0	64.5	60.6	41.6	38.6	38.6
2-3 PM	1113	0.0	107	0.0	1500	1113	0	107	0.53	0	64.3	60.4	41.3	38.4	38.4
3-4 PM	1235	0.0	119	0.0	1500	1235	0	119	0.68	0	64.1	59.2	37.4	38.3	38.3
4-5 PM	1214	0.0	117	0.0	1500	1214	0	117	0.65	0	64.1	59.4	38.0	38.3	38.3
5-6 PM	995	0.0	95	0.0	1500	995	0	95	0.52	0	64.5	60.7	41.7	38.6	38.6
6-7 PM	857	0.0	82	0.0	1500	857	0	82	0.51	0	64.8	61.0	42.2	38.8	38.8
7-8 PM	657	0.0	63	0.0	1500	657	0	63	0.49	0	65.1	61.5	42.9	38.9	38.9
8-9 PM	545	0.0	52	0.0	1500	545	0	52	0.48	0	65.4	61.7	43.3	39.1	39.1
9-10 PM	481	0.0	47	0.0	1500	481	0	47	0.47	0	65.5	61.9	43.6	39.2	39.2
10-11 PM	397	0.0	39	0.0	1500	397	0	39	0.46	0	65.6	62.1	43.9	39.2	39.2
11PM-MID	264	0.0	25	0.0	1500	264	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	0.0222
MAIN ROUTE WITH WORKS	0.0212
DIVERSION	0.0227

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,670
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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

