

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 32 - STH 57**

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	204	0.0	58	0.0	3000	204	0	58	0.22	0	60.2	53.5	49.7	22.8	22.8
1-2 AM	138	0.0	39	0.0	3000	138	0	39	0.22	0	60.2	53.5	49.7	23.0	23.0
2-3 AM	132	0.0	38	0.0	3000	132	0	38	0.22	0	60.2	53.5	49.7	23.0	23.0
3-4 AM	177	0.0	50	0.0	3000	177	0	50	0.22	0	60.2	53.5	49.7	22.9	22.9
4-5 AM	395	0.0	111	0.0	3000	395	0	111	0.22	0	60.2	53.5	49.7	22.0	22.0
5-6 AM	1267	0.0	358	0.0	OFF	1267	0	358	0.00	0	60.2	60.2	60.2	18.4	18.4
6-7 AM	2623	0.0	741	0.0	OFF	2623	0	741	0.00	0	60.2	60.2	60.2	12.8	12.8
7-8 AM	3556	0.0	1004	0.0	OFF	3556	0	1004	0.00	0	60.2	60.2	60.2	10.7	10.7
8-9 AM	2412	0.0	681	0.0	OFF	2412	0	681	0.00	0	60.2	60.2	60.2	13.7	13.7
9-10 AM	2128	0.0	601	0.0	OFF	2128	0	601	0.00	0	60.2	60.2	60.2	14.8	14.8
10-11 AM	2418	0.0	682	0.0	OFF	2418	0	682	0.00	0	60.2	60.2	60.2	13.7	13.7
11A-NOON	2511	0.0	709	0.0	OFF	2511	0	709	0.00	0	60.2	60.2	60.2	13.3	13.3
NOON-1PM	2759	0.0	778	0.0	OFF	2759	0	778	0.00	0	60.2	60.2	60.2	12.2	12.2
1-2 PM	2748	0.0	775	0.0	OFF	2748	0	775	0.00	0	60.2	60.2	60.2	12.3	12.3
2-3 PM	2728	0.0	770	0.0	OFF	2728	0	770	0.00	0	60.2	60.2	60.2	12.4	12.4
3-4 PM	2837	0.0	800	0.0	OFF	2837	0	800	0.00	0	60.2	60.2	60.2	11.9	11.9
4-5 PM	2947	0.0	832	0.0	OFF	2947	0	832	0.00	0	60.2	60.2	60.2	11.7	11.7
5-6 PM	2974	0.0	840	0.0	OFF	2974	0	840	0.00	0	60.2	60.2	60.2	11.6	11.6
6-7 PM	2343	0.0	661	0.0	OFF	2343	0	661	0.00	0	60.2	60.2	60.2	14.0	14.0
7-8 PM	1615	0.0	456	0.0	3000	1615	0	456	0.22	0	60.2	53.5	49.7	17.0	17.0
8-9 PM	1233	0.0	348	0.0	3000	1233	0	348	0.22	0	60.2	53.5	49.7	18.5	18.5
9-10 PM	957	0.0	270	0.0	3000	957	0	270	0.22	0	60.2	53.5	49.7	19.7	19.7
10-11 PM	704	0.0	199	0.0	3000	704	0	199	0.22	0	60.2	53.5	49.7	20.7	20.7
11PM-MID	532	0.0	151	0.0	3000	532	0	151	0.22	0	60.2	53.5	49.7	21.4	21.4

"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	0.0115
MAIN ROUTE WITH WORKS	0.0111
DIVERSION	0.0863

PIA: Personal Injury Accidents

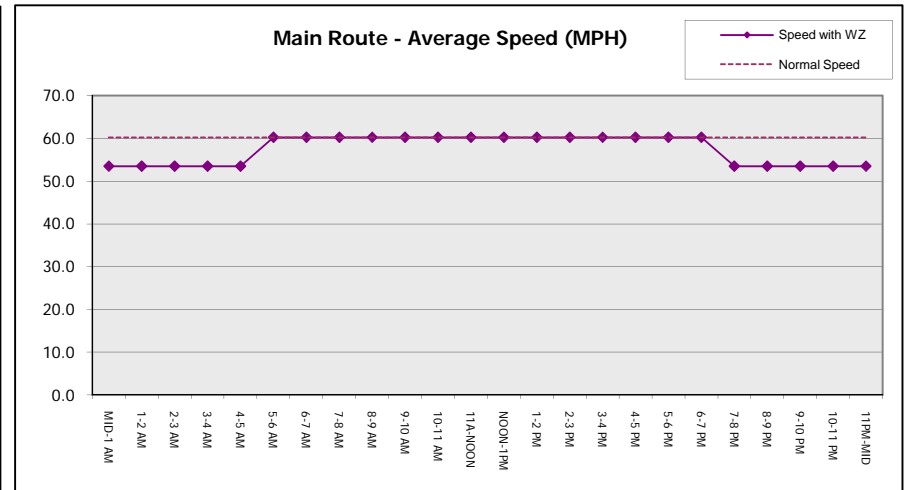
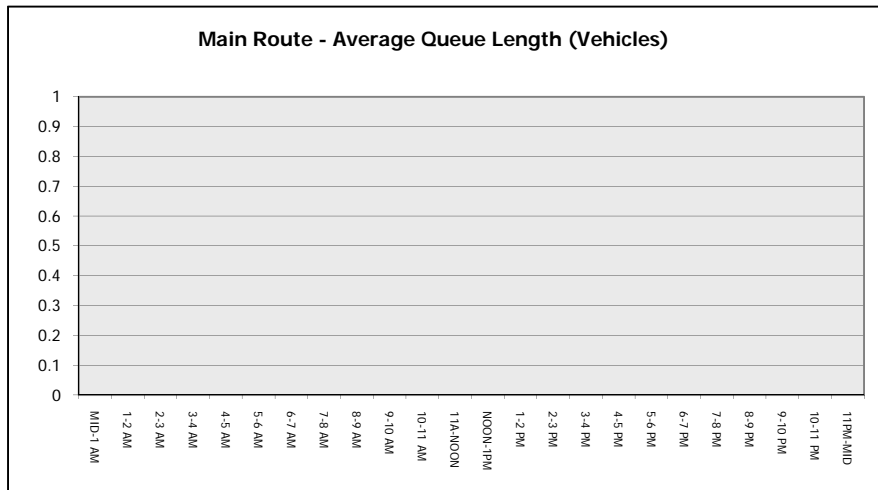
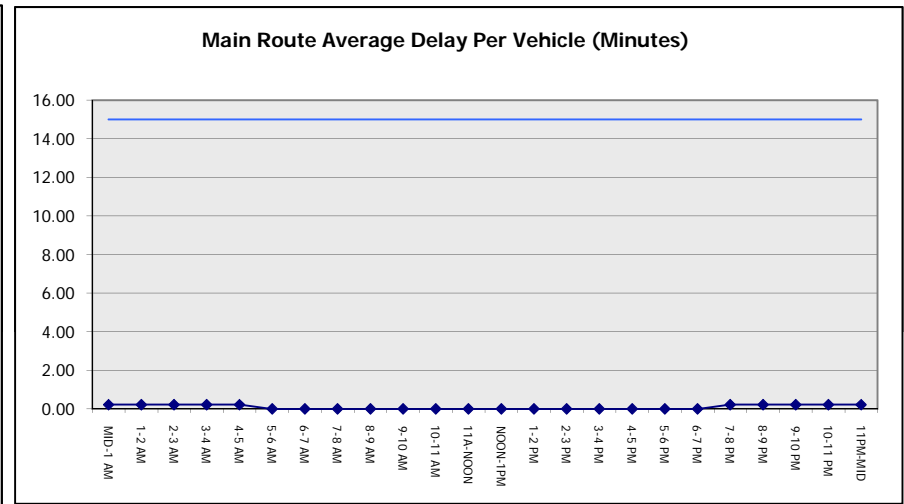
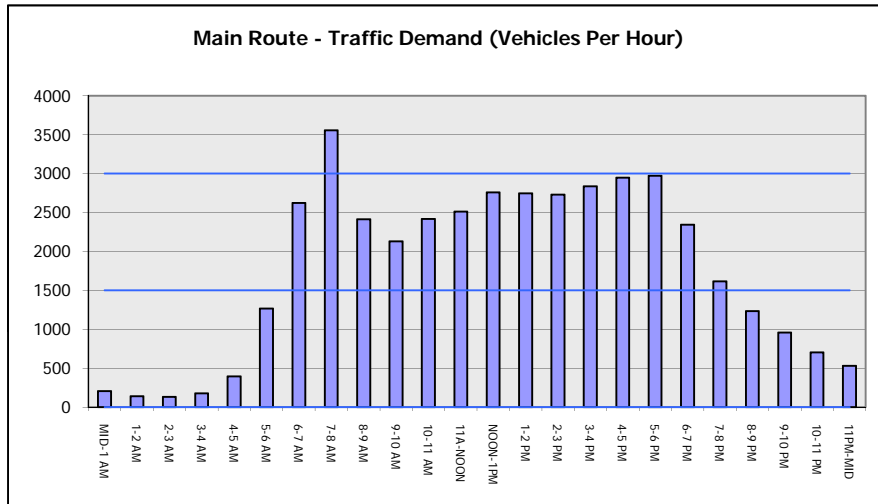
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$278
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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DIVERSION ROUTE: STH 32 - STH 57**

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



STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 32 - STH 57	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	298	0.0	85	0.0	3000	298	0	85	0.22	0	60.2	53.5	49.7	22.4	22.4	
1-2 AM	209	0.0	59	0.0	3000	209	0	59	0.22	0	60.2	53.5	49.7	22.7	22.7	
2-3 AM	232	0.0	66	0.0	3000	232	0	66	0.22	0	60.2	53.5	49.7	22.7	22.7	
3-4 AM	181	0.0	51	0.0	3000	181	0	51	0.22	0	60.2	53.5	49.7	22.9	22.9	
4-5 AM	274	0.0	77	0.0	3000	274	0	77	0.22	0	60.2	53.5	49.7	22.5	22.5	
5-6 AM	602	0.0	169	0.0	OFF	602	0	169	0.00	0	60.2	60.2	60.2	21.1	21.1	
6-7 AM	1430	0.0	404	0.0	OFF	1430	0	404	0.00	0	60.2	60.2	60.2	17.7	17.7	
7-8 AM	2018	0.0	570	0.0	OFF	2018	0	570	0.00	0	60.2	60.2	60.2	15.3	15.3	
8-9 AM	1879	0.0	530	0.0	OFF	1879	0	530	0.00	0	60.2	60.2	60.2	15.9	15.9	
9-10 AM	1790	0.0	505	0.0	OFF	1790	0	505	0.00	0	60.2	60.2	60.2	16.2	16.2	
10-11 AM	2142	0.0	605	0.0	OFF	2142	0	605	0.00	0	60.2	60.2	60.2	14.8	14.8	
11A-NOON	2301	0.0	650	0.0	OFF	2301	0	650	0.00	0	60.2	60.2	60.2	14.2	14.2	
NOON-1PM	2643	0.0	746	0.0	OFF	2643	0	746	0.00	0	60.2	60.2	60.2	12.7	12.7	
1-2 PM	2734	0.0	772	0.0	OFF	2734	0	772	0.00	0	60.2	60.2	60.2	12.4	12.4	
2-3 PM	3103	0.0	876	0.0	OFF	3103	0	876	0.00	0	60.2	60.2	60.2	11.4	11.4	
3-4 PM	3666	0.0	1035	0.0	OFF	3666	0	1035	0.00	0	60.2	60.2	60.2	10.5	10.5	
4-5 PM	3991	0.0	1127	0.0	OFF	3991	0	1127	0.00	0	60.2	60.2	60.2	10.0	10.0	
5-6 PM	3448	0.0	973	0.0	OFF	3448	0	973	0.00	0	60.2	60.2	60.2	10.9	10.9	
6-7 PM	2336	0.0	659	0.0	OFF	2336	0	659	0.00	0	60.2	60.2	60.2	14.0	14.0	
7-8 PM	1760	0.0	497	0.0	3000	1760	0	497	0.22	0	60.2	53.5	49.7	16.3	16.3	
8-9 PM	1505	0.0	425	0.0	3000	1505	0	425	0.22	0	60.2	53.5	49.7	17.4	17.4	
9-10 PM	1303	0.0	367	0.0	3000	1303	0	367	0.22	0	60.2	53.5	49.7	18.3	18.3	
10-11 PM	1183	0.0	334	0.0	3000	1183	0	334	0.22	0	60.2	53.5	49.7	18.8	18.8	
11PM-MID	786	0.0	222	0.0	3000	786	0	222	0.22	0	60.2	53.5	49.7	20.4	20.4	

"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	0.0113
MAIN ROUTE WITH WORKS	0.0108
DIVERSION	0.0852

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$353
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
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AUGUST
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

