

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)  
NIGHTTIME 2 LANE 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	1500	204	0	58	0.35	0	60.2	49.9	44.6	22.8	22.8
1-2 AM	138	0.0	39	0.0	1500	138	0	39	0.35	0	60.2	50.1	45.0	23.0	23.0
2-3 AM	132	0.0	38	0.0	1500	132	0	38	0.34	0	60.2	50.1	45.0	23.0	23.0
3-4 AM	177	0.0	50	0.0	1500	177	0	50	0.35	0	60.2	49.9	44.8	22.9	22.9
4-5 AM	395	0.0	111	0.0	1500	395	0	111	0.38	0	60.2	49.2	43.9	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	1499	1615	0	456	4.28	92	60.2	17.1	30.8	17.0	17.0
8-9 PM	1233	0.0	348	0.0	1499	1233	0	348	1.43	35	60.2	32.6	36.3	18.5	18.5
9-10 PM	957	0.0	270	0.0	1500	957	0	270	0.45	0	60.2	47.7	41.9	19.7	19.7
10-11 PM	704	0.0	199	0.0	1500	704	0	199	0.42	0	60.2	48.4	42.7	20.7	20.7
11PM-MID	532	0.0	151	0.0	1500	532	0	151	0.39	0	60.2	48.9	43.4	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)	\$2,483
CONGESTED HOURS PER DAY*	0

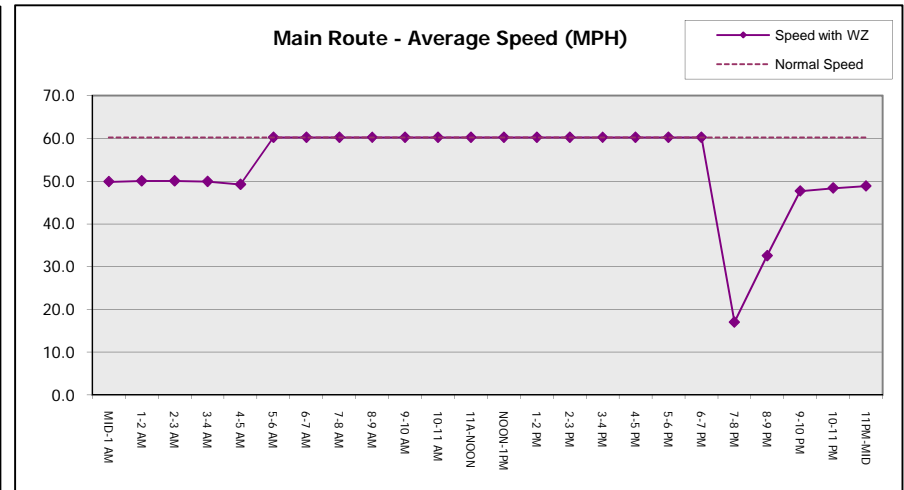
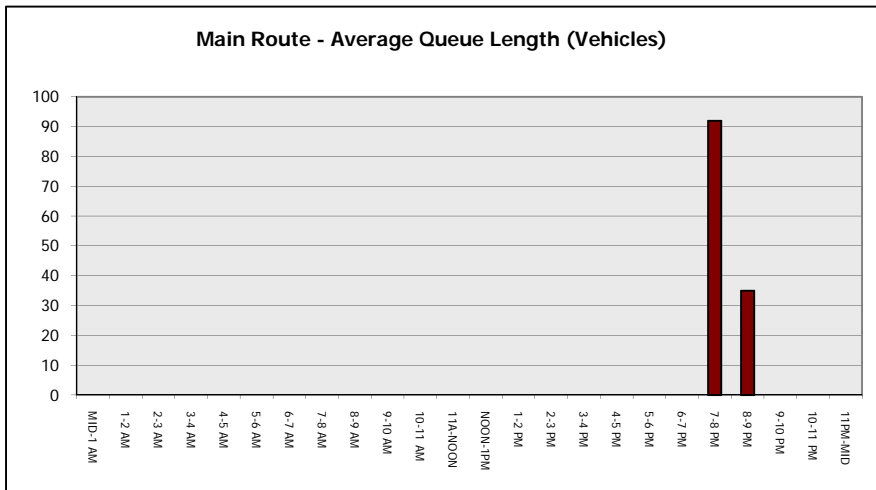
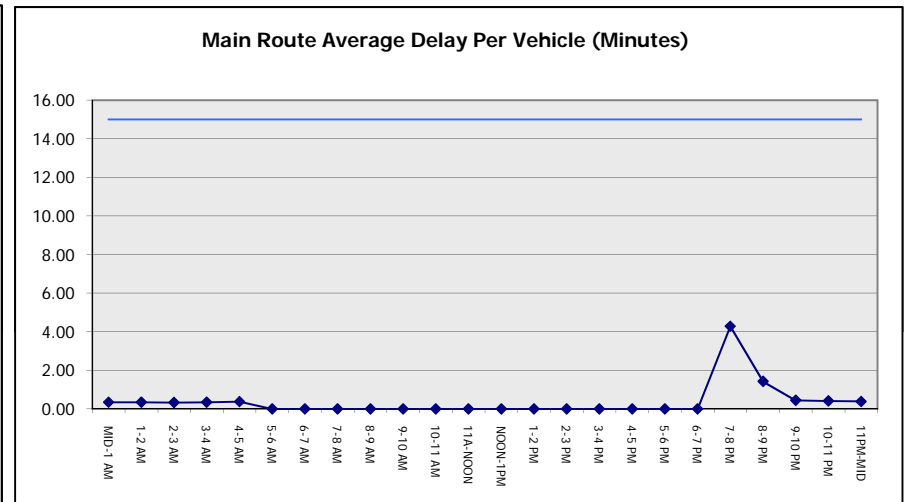
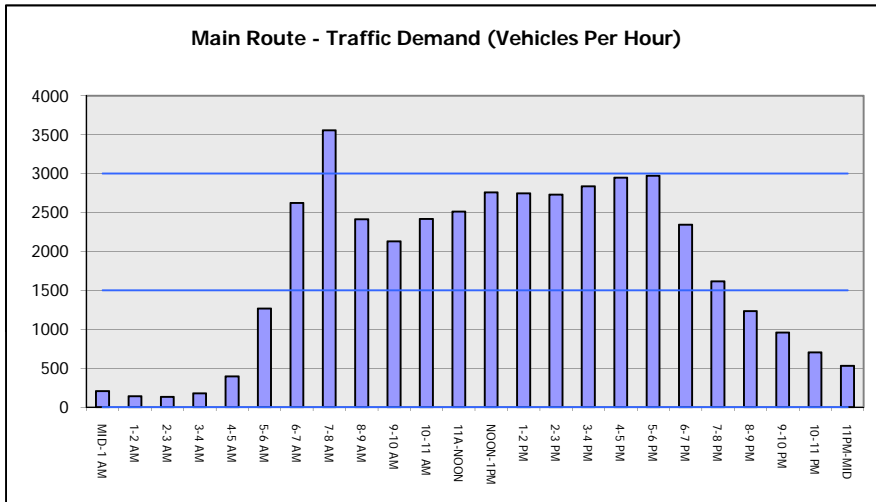
\*Delays Exceeding 15 Minutes

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 32 - STH 57**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY WESTBOUND DIRECTION**



<b>STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	1500	298	0	85	0.37	0	60.2	49.6	44.3	22.4	22.4
1-2 AM	209	0.0	59	0.0	1500	209	0	59	0.35	0	60.2	49.8	44.6	22.7	22.7
2-3 AM	232	0.0	66	0.0	1500	232	0	66	0.36	0	60.2	49.7	44.5	22.7	22.7
3-4 AM	181	0.0	51	0.0	1500	181	0	51	0.35	0	60.2	49.9	44.8	22.9	22.9
4-5 AM	274	0.0	77	0.0	1500	274	0	77	0.36	0	60.2	49.6	44.4	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	1499	1760	0	497	6.23	156	60.2	13.2	30.8	16.3	16.5
8-9 PM	1505	0.0	425	0.0	1499	1505	0	425	11.48	277	60.2	8.7	30.8	17.4	17.8
9-10 PM	1303	0.0	367	0.0	1499	1303	0	367	7.18	176	60.2	11.9	31.5	18.3	18.4
10-11 PM	1183	0.0	334	0.0	1500	1183	0	334	0.78	9	60.2	41.2	38.7	18.8	18.8
11PM-MID	786	0.0	222	0.0	1500	786	0	222	0.43	0	60.2	48.1	42.4	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)	\$9,769
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 DIVERSION ROUTE: STH 32 - STH 57**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

