

<b>STH 172: USH 41 TO STH 57 (BROWN COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 32 - STH 57</b>	<b>AUGUST</b>
	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	OFF	204	0	58	0.00	0	60.2	60.2	60.2	22.8	22.8
1-2 AM	138	0.0	39	0.0	OFF	138	0	39	0.00	0	60.2	60.2	60.2	23.0	23.0
2-3 AM	132	0.0	38	0.0	OFF	132	0	38	0.00	0	60.2	60.2	60.2	23.0	23.0
3-4 AM	177	0.0	50	0.0	OFF	177	0	50	0.00	0	60.2	60.2	60.2	22.9	22.9
4-5 AM	395	0.0	111	0.0	OFF	395	0	111	0.00	0	60.2	60.2	60.2	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	1499	2381	37	719	15.28	443	60.2	7.8	30.8	13.7	14.1
11A-NOON	2511	0.0	709	0.0	1500	1870	641	1351	41.95	1082	60.2	4.7	30.8	13.3	10.7
NOON-1PM	2759	0.0	778	0.0	1500	1664	1095	1873+	52.84	1367	60.2	4.4	30.8	12.2	9.1
1-2 PM	2748	0.0	775	0.0	1500	1493	1254	2030+	54.38	1407	60.2	4.3	30.8	12.3	9.0
2-3 PM	2728	0.0	770	0.0	1500	1500	1228	1998+	54.29	1405	60.2	4.4	30.8	12.4	9.0
3-4 PM	2837	0.0	800	0.0	OFF	2837	0	800	3.13	313	60.2	21.1	21.1	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	OFF	1615	0	456	0.00	0	60.2	60.2	60.2	17.0	17.0
8-9 PM	1233	0.0	348	0.0	OFF	1233	0	348	0.00	0	60.2	60.2	60.2	18.5	18.5
9-10 PM	957	0.0	270	0.0	OFF	957	0	270	0.00	0	60.2	60.2	60.2	19.7	19.7
10-11 PM	704	0.0	199	0.0	OFF	704	0	199	0.00	0	60.2	60.2	60.2	20.7	20.7
11PM-MID	532	0.0	151	0.0	OFF	532	0	151	0.00	0	60.2	60.2	60.2	21.4	21.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0097
DIVERSION	0.1170

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$143,196
CONGESTED HOURS PER DAY*	5

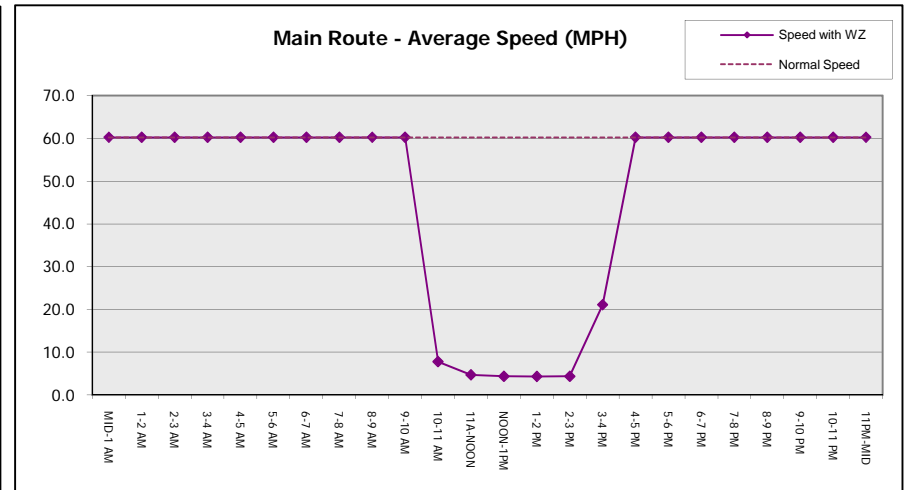
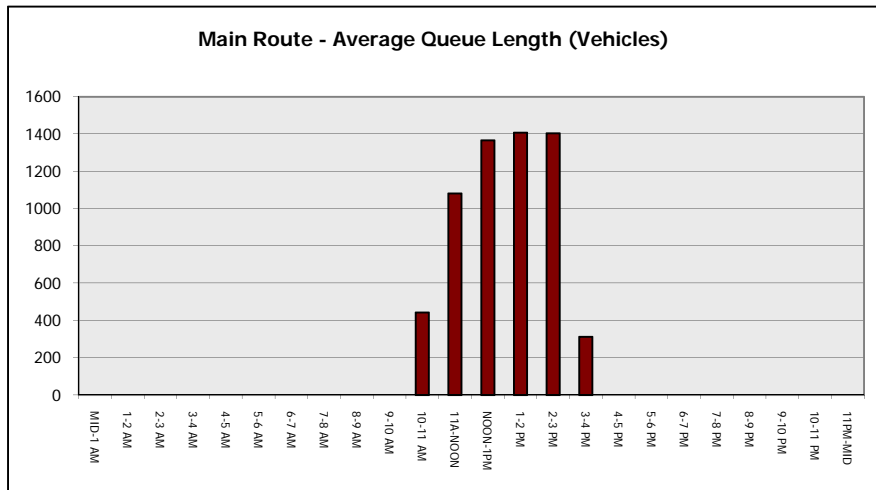
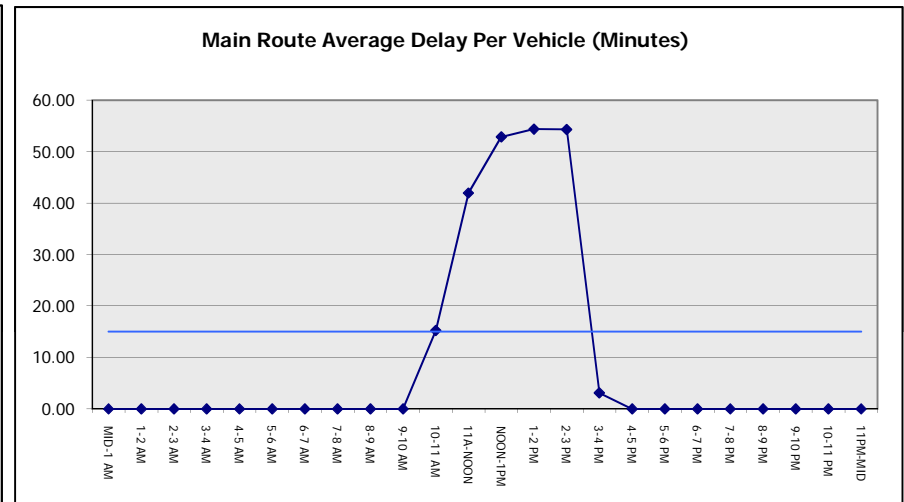
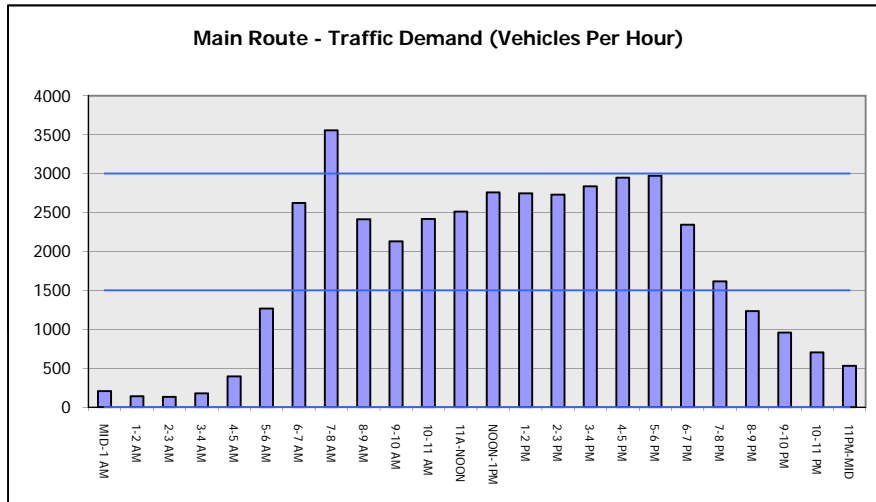
\*Delays Exceeding 15 Minutes

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)**  
**OFF-PEAK DAY 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)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>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	OFF	298	0	85	0.00	0	60.2	60.2	60.2	22.4	22.4	
1-2 AM	209	0.0	59	0.0	OFF	209	0	59	0.00	0	60.2	60.2	60.2	22.7	22.7	
2-3 AM	232	0.0	66	0.0	OFF	232	0	66	0.00	0	60.2	60.2	60.2	22.7	22.7	
3-4 AM	181	0.0	51	0.0	OFF	181	0	51	0.00	0	60.2	60.2	60.2	22.9	22.9	
4-5 AM	274	0.0	77	0.0	OFF	274	0	77	0.00	0	60.2	60.2	60.2	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	1499	2142	0	605	10.52	304	60.2	9.6	30.8	14.8	15.3	
11A-NOON	2301	0.0	650	0.0	1499	1921	380	1030	34.31	883	60.2	5.1	30.8	14.2	12.4	
NOON-1PM	2643	0.0	746	0.0	1499	1823	820	1566+	47.84	1236	60.2	4.5	30.8	12.7	9.8	
1-2 PM	2734	0.0	772	0.0	1499	1526	1208	1980+	54.22	1403	60.2	4.4	30.8	12.4	9.0	
2-3 PM	3103	0.0	876	0.0	1499	1541	1562	2438+	55.41	1434	60.2	4.3	30.8	11.4	8.9	
3-4 PM	3666	0.0	1035	0.0	OFF	3666	0	1035	4.66	452	60.2	16.1	16.1	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	OFF	1760	0	497	0.00	0	60.2	60.2	60.2	16.3	16.3	
8-9 PM	1505	0.0	425	0.0	OFF	1505	0	425	0.00	0	60.2	60.2	60.2	17.4	17.4	
9-10 PM	1303	0.0	367	0.0	OFF	1303	0	367	0.00	0	60.2	60.2	60.2	18.3	18.3	
10-11 PM	1183	0.0	334	0.0	OFF	1183	0	334	0.00	0	60.2	60.2	60.2	18.8	18.8	
11PM-MID	786	0.0	222	0.0	OFF	786	0	222	0.00	0	60.2	60.2	60.2	20.4	20.4	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0097
DIVERSION	0.1139

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$136,137
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding 15 Minutes

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OFF-PEAK DAY 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**

