

<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**

**SATURDAY 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	316	0.0	89	0.0	OFF	316	0	89	0.00	0	60.2	60.2	60.2	22.3	22.3
1-2 AM	222	0.0	63	0.0	OFF	222	0	63	0.00	0	60.2	60.2	60.2	22.7	22.7
2-3 AM	172	0.0	49	0.0	OFF	172	0	49	0.00	0	60.2	60.2	60.2	22.9	22.9
3-4 AM	140	0.0	40	0.0	OFF	140	0	40	0.00	0	60.2	60.2	60.2	23.0	23.0
4-5 AM	199	0.0	56	0.0	OFF	199	0	56	0.00	0	60.2	60.2	60.2	22.8	22.8
5-6 AM	442	0.0	125	0.0	OFF	442	0	125	0.00	0	60.2	60.2	60.2	21.8	21.8
6-7 AM	671	0.0	189	0.0	OFF	671	0	189	0.00	0	60.2	60.2	60.2	20.9	20.9
7-8 AM	987	0.0	278	0.0	OFF	987	0	278	0.00	0	60.2	60.2	60.2	19.6	19.6
8-9 AM	1329	0.0	376	0.0	1499	1329	0	376	0.74	0	60.2	42.0	34.9	18.1	18.1
9-10 AM	1797	0.0	507	0.0	1499	1797	0	507	4.64	125	60.2	16.4	30.8	16.2	16.3
10-11 AM	2077	0.0	586	0.0	1500	2013	64	650	21.51	560	60.2	6.3	30.8	15.1	15.4
11A-NOON	2199	0.0	620	0.0	1500	1700	498	1119	36.06	925	60.2	5.0	30.8	14.5	11.9
NOON-1PM	2221	0.0	627	0.0	1500	1541	680	1307	40.63	1045	60.2	4.8	30.8	14.5	10.9
1-2 PM	1912	0.0	540	0.0	1500	1301	611	1150	36.79	945	60.2	5.0	30.8	15.7	11.7
2-3 PM	1859	0.0	525	0.0	1500	1452	407	932	32.32	826	60.2	5.2	30.8	16.0	12.9
3-4 PM	1779	0.0	502	0.0	1500	1453	325	828	30.48	777	60.2	5.3	30.8	16.3	13.4
4-5 PM	1762	0.0	498	0.0	1500	1479	283	781	29.17	743	60.2	5.4	30.8	16.3	13.8
5-6 PM	1811	0.0	512	0.0	1500	1524	287	799	29.82	760	60.2	5.4	30.8	16.1	13.6
6-7 PM	1478	0.0	417	0.0	OFF	1478	0	417	0.64	63	60.2	43.8	43.8	17.5	17.5
7-8 PM	1053	0.0	297	0.0	OFF	1053	0	297	0.00	0	60.2	60.2	60.2	19.3	19.3
8-9 PM	937	0.0	265	0.0	OFF	937	0	265	0.00	0	60.2	60.2	60.2	19.7	19.7
9-10 PM	856	0.0	242	0.0	OFF	856	0	242	0.00	0	60.2	60.2	60.2	20.1	20.1
10-11 PM	690	0.0	195	0.0	OFF	690	0	195	0.00	0	60.2	60.2	60.2	20.7	20.7
11PM-MID	472	0.0	133	0.0	OFF	472	0	133	0.00	0	60.2	60.2	60.2	21.7	21.7

"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	0.0074
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.0786

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$157,130
CONGESTED HOURS PER DAY*	8

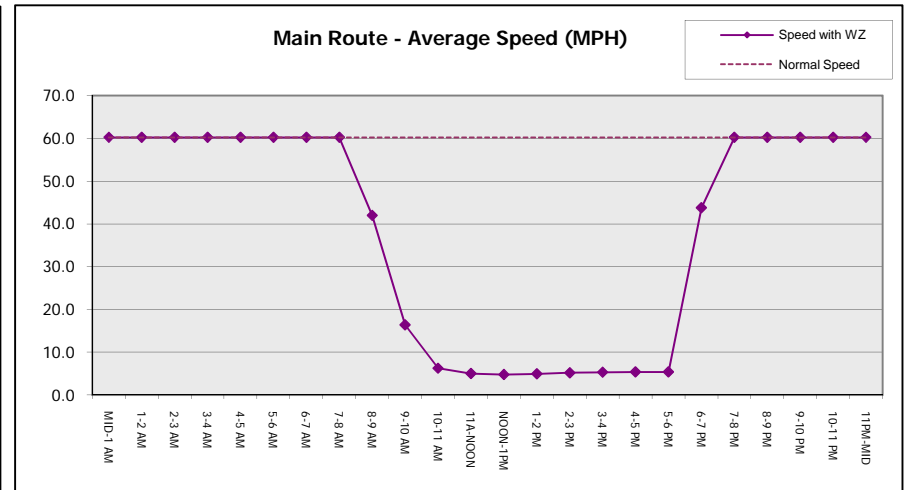
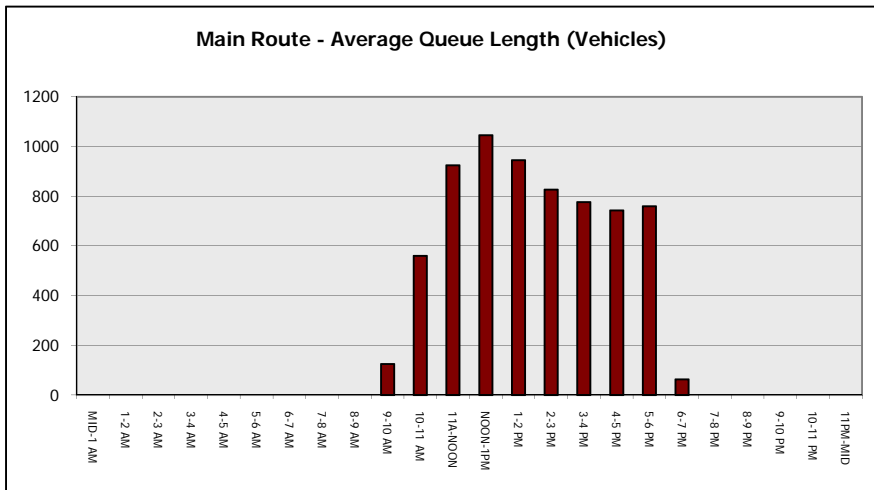
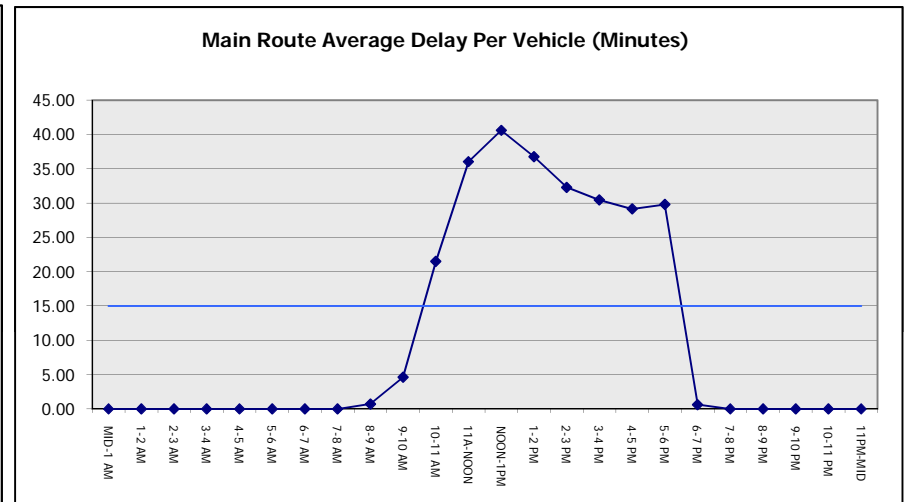
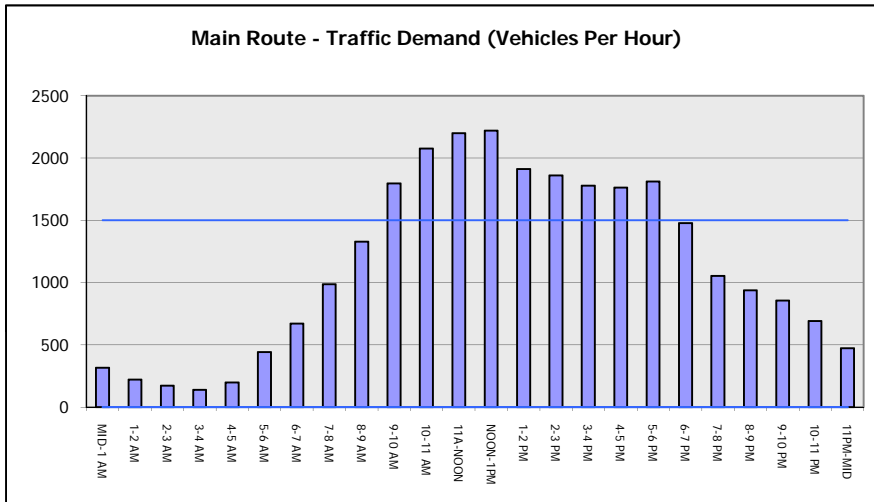
\*Delays Exceeding 15 Minutes

**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**

**SATURDAY 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>	
SATURDAY	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	424	0.0	119	0.0	OFF	424	0	119	0.00	0	60.2	60.2	60.2	21.9	21.9
1-2 AM	267	0.0	75	0.0	OFF	267	0	75	0.00	0	60.2	60.2	60.2	22.5	22.5
2-3 AM	255	0.0	72	0.0	OFF	255	0	72	0.00	0	60.2	60.2	60.2	22.5	22.5
3-4 AM	199	0.0	56	0.0	OFF	199	0	56	0.00	0	60.2	60.2	60.2	22.8	22.8
4-5 AM	192	0.0	54	0.0	OFF	192	0	54	0.00	0	60.2	60.2	60.2	22.8	22.8
5-6 AM	261	0.0	73	0.0	OFF	261	0	73	0.00	0	60.2	60.2	60.2	22.5	22.5
6-7 AM	513	0.0	145	0.0	OFF	513	0	145	0.00	0	60.2	60.2	60.2	21.5	21.5
7-8 AM	764	0.0	216	0.0	OFF	764	0	216	0.00	0	60.2	60.2	60.2	20.4	20.4
8-9 AM	1044	0.0	295	0.0	1500	1044	0	295	0.46	0	60.2	47.4	41.5	19.3	19.3
9-10 AM	1319	0.0	372	0.0	1499	1319	0	372	0.73	0	60.2	42.2	35.1	18.2	18.2
10-11 AM	1775	0.0	501	0.0	1499	1775	0	501	4.33	114	60.2	17.1	30.8	16.3	16.3
11A-NOON	2050	0.0	579	0.0	1500	2003	46	625	20.36	531	60.2	6.5	30.8	15.2	15.6
NOON-1PM	2115	0.0	597	0.0	1500	1668	447	1045	34.49	884	60.2	5.1	30.8	14.9	12.2
1-2 PM	1986	0.0	561	0.0	1500	1446	539	1100	35.62	913	60.2	5.0	30.8	15.4	12.0
2-3 PM	2114	0.0	597	0.0	1500	1577	537	1135	36.37	933	60.2	5.0	30.8	14.9	11.8
3-4 PM	2128	0.0	601	0.0	1500	1512	615	1216	38.27	983	60.2	4.9	30.8	14.8	11.4
4-5 PM	1949	0.0	550	0.0	1500	1380	569	1119	36.05	925	60.2	5.0	30.8	15.6	11.9
5-6 PM	1716	0.0	484	0.0	1500	1344	372	856	30.74	785	60.2	5.3	30.8	16.5	13.4
6-7 PM	1453	0.0	410	0.0	OFF	1453	0	410	0.55	54	60.2	45.5	45.5	17.6	17.6
7-8 PM	1239	0.0	349	0.0	OFF	1239	0	349	0.00	0	60.2	60.2	60.2	18.5	18.5
8-9 PM	1166	0.0	330	0.0	OFF	1166	0	330	0.00	0	60.2	60.2	60.2	18.8	18.8
9-10 PM	1063	0.0	300	0.0	OFF	1063	0	300	0.00	0	60.2	60.2	60.2	19.3	19.3
10-11 PM	858	0.0	243	0.0	OFF	858	0	243	0.00	0	60.2	60.2	60.2	20.1	20.1
11PM-MID	624	0.0	176	0.0	OFF	624	0	176	0.00	0	60.2	60.2	60.2	21.1	21.1

"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	0.0074
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.0786

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$145,574
CONGESTED HOURS PER DAY*	7

\*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**  
**SATURDAY EASTBOUND DIRECTION**

