

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) 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	1499	1267	0	358	0.84	5	60.2	40.2	36.3	18.4	18.4
6-7 AM	2623	0.0	741	0.0	1500	2548	75	816	16.47	504	60.2	7.6	30.8	12.8	13.4
7-8 AM	3556	0.0	1004	0.0	1500	1605	1951	2955+	54.79	1418	60.2	4.3	30.8	10.7	8.9
8-9 AM	2412	0.0	681	0.0	1500	1516	896	1577+	48.09	1242	60.2	4.5	30.8	13.7	9.7
9-10 AM	2128	0.0	601	0.0	1500	1348	780	1381	42.80	1103	60.2	4.7	30.8	14.8	10.6
10-11 AM	2418	0.0	682	0.0	1500	1684	734	1416	43.81	1129	60.2	4.7	30.8	13.7	10.4
11A-NOON	2511	0.0	709	0.0	1500	1603	908	1617+	49.14	1269	60.2	4.5	30.8	13.3	9.6
NOON-1PM	2759	0.0	778	0.0	1500	1571	1188	1966+	54.12	1401	60.2	4.4	30.8	12.2	9.0
1-2 PM	2748	0.0	775	0.0	1500	1508	1240	2015+	54.33	1406	60.2	4.3	30.8	12.3	9.0
2-3 PM	2728	0.0	770	0.0	1500	1503	1225	1995+	54.28	1405	60.2	4.4	30.8	12.4	9.0
3-4 PM	2837	0.0	800	0.0	1500	1512	1325	2125+	54.62	1414	60.2	4.3	30.8	11.9	8.9
4-5 PM	2947	0.0	832	0.0	1500	1509	1439	2271+	55.01	1424	60.2	4.3	30.8	11.7	8.9
5-6 PM	2974	0.0	840	0.0	1500	1485	1488	2329+	55.20	1429	60.2	4.3	30.8	11.6	8.9
6-7 PM	2343	0.0	661	0.0	1500	1286	1057	1718+	51.84	1341	60.2	4.4	30.8	14.0	9.3
7-8 PM	1615	0.0	456	0.0	1500	979	636	1092	35.83	925	60.2	5.0	30.8	17.0	12.0
8-9 PM	1233	0.0	348	0.0	1499	1134	98	447	19.16	489	60.2	6.6	30.8	18.5	18.2
9-10 PM	957	0.0	270	0.0	1499	957	0	270	2.07	101	60.2	27.4	39.1	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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0056
DIVERSION	0.1948

PIA: Personal Injury Accidents

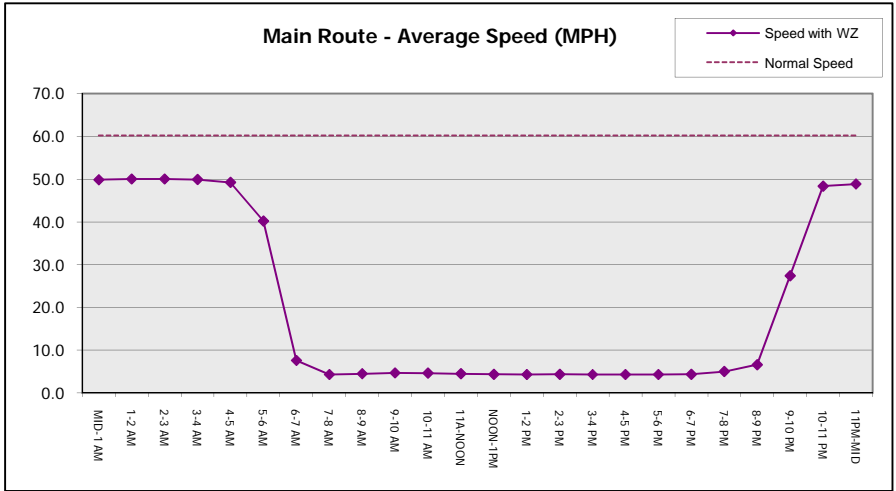
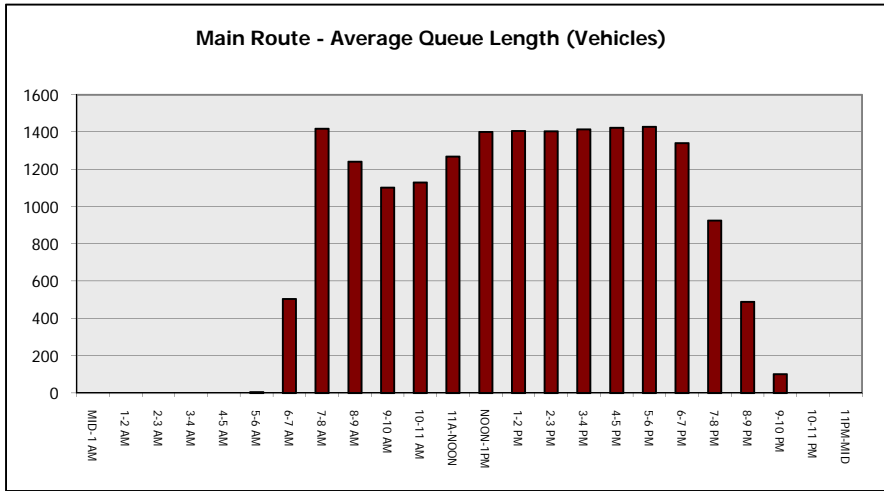
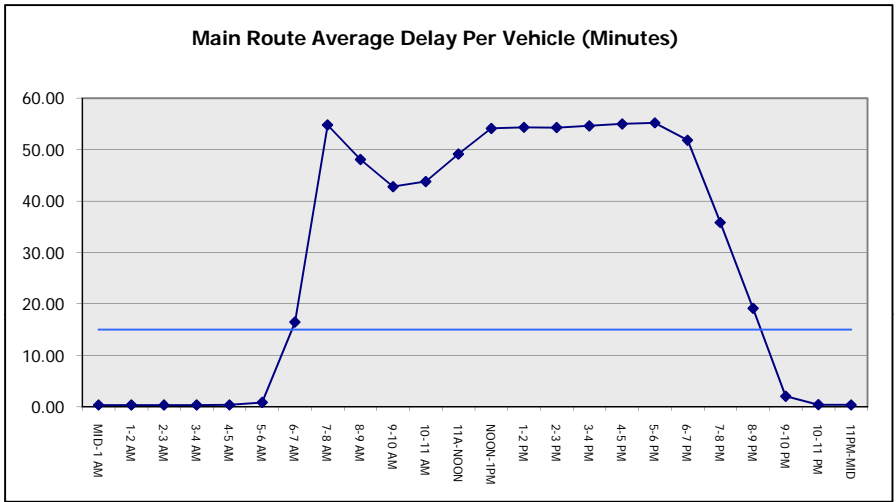
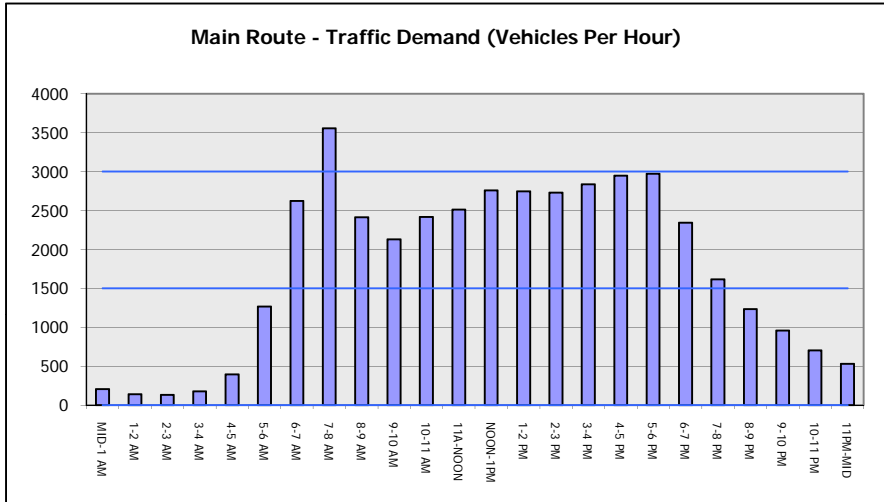
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$473,997
CONGESTED HOURS PER DAY*	15

*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) 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



STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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		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	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	1500	602	0	169	0.40	0	60.2	48.7	43.1	21.1	21.1
6-7 AM	1430	0.0	404	0.0	1499	1430	0	404	1.16	13	60.2	35.7	33.8	17.7	17.7
7-8 AM	2018	0.0	570	0.0	1500	2018	0	570	10.76	298	60.2	9.4	30.8	15.3	15.8
8-9 AM	1879	0.0	530	0.0	1499	1689	190	720	27.12	690	60.2	5.6	30.8	15.9	14.7
9-10 AM	1790	0.0	505	0.0	1500	1504	285	791	29.52	752	60.2	5.4	30.8	16.2	13.7
10-11 AM	2142	0.0	605	0.0	1500	1716	426	1031	34.23	878	60.2	5.1	30.8	14.8	12.4
11A-NOON	2301	0.0	650	0.0	1500	1645	656	1306	40.62	1045	60.2	4.8	30.8	14.2	10.9
NOON-1PM	2643	0.0	746	0.0	1500	1775	868	1614+	49.12	1270	60.2	4.5	30.8	12.7	9.6
1-2 PM	2734	0.0	772	0.0	1500	1516	1219	1991+	54.25	1404	60.2	4.4	30.8	12.4	9.0
2-3 PM	3103	0.0	876	0.0	1500	1539	1563	2439+	55.42	1435	60.2	4.3	30.8	11.4	8.9
3-4 PM	3666	0.0	1035	0.0	1500	1500	2166	3200+	55.80	1445	60.2	4.3	30.8	10.5	8.8
4-5 PM	3991	0.0	1127	0.0	1500	1500	2491	3618+	55.80	1445	60.2	4.3	30.8	10.0	8.8
5-6 PM	3448	0.0	973	0.0	1500	1500	1948	2921+	55.79	1445	60.2	4.3	30.8	10.9	8.8
6-7 PM	2336	0.0	659	0.0	1500	1212	1124	1783+	51.55	1334	60.2	4.5	30.8	14.0	9.3
7-8 PM	1760	0.0	497	0.0	1500	1098	662	1159	37.17	958	60.2	5.0	30.8	16.3	11.7
8-9 PM	1505	0.0	425	0.0	1500	1268	236	661	25.38	646	60.2	5.8	30.8	17.4	15.5
9-10 PM	1303	0.0	367	0.0	1499	1288	15	382	17.19	431	60.2	7.0	30.8	18.3	18.9
10-11 PM	1183	0.0	334	0.0	1499	1183	0	334	6.29	178	60.2	13.4	33.5	18.8	18.9
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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0057
DIVERSION	0.1852

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$424,048
CONGESTED HOURS PER DAY*	14

*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) 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

