

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)  
CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
DIVERSION ROUTE: STH 32, STH 57**

**OCTOBER**

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	167	0.0	47	0.0	1500	167	0	47	0.35	0	60.2	49.9	44.8	22.9	22.9
1-2 AM	123	0.0	35	0.0	1500	123	0	35	0.34	0	60.2	50.1	45.0	23.1	23.1
2-3 AM	116	0.0	32	0.0	1500	116	0	32	0.34	0	60.2	50.1	45.0	23.1	23.1
3-4 AM	149	0.0	42	0.0	1500	149	0	42	0.35	0	60.2	50.0	44.9	23.0	23.0
4-5 AM	448	0.0	127	0.0	1500	448	0	127	0.38	0	60.2	49.1	43.7	21.7	21.7
5-6 AM	1324	0.0	374	0.0	1499	1324	0	374	1.01	12	60.2	37.8	36.1	18.1	18.1
6-7 AM	2680	0.0	757	0.0	1500	2594	85	842	18.06	550	60.2	7.3	30.8	12.6	13.4
7-8 AM	3965	0.0	1120	0.0	1500	1550	2415	3534+	55.32	1432	60.2	4.3	30.8	10.0	8.9
8-9 AM	2529	0.0	715	0.0	1500	1564	965	1680+	50.84	1314	60.2	4.5	30.8	13.2	9.4
9-10 AM	1946	0.0	549	0.0	1500	1157	789	1339	41.69	1075	60.2	4.8	30.8	15.6	10.7
10-11 AM	2157	0.0	609	0.0	1500	1590	567	1176	37.33	958	60.2	5.0	30.8	14.7	11.6
11A-NOON	2264	0.0	639	0.0	1500	1589	675	1314	40.83	1050	60.2	4.8	30.8	14.3	10.9
NOON-1PM	2362	0.0	667	0.0	1500	1597	765	1432	44.37	1144	60.2	4.7	30.8	13.9	10.2
1-2 PM	2445	0.0	691	0.0	1500	1578	867	1557+	47.60	1229	60.2	4.5	30.8	13.5	9.8
2-3 PM	2610	0.0	737	0.0	1500	1638	972	1708+	51.67	1336	60.2	4.5	30.8	12.9	9.3
3-4 PM	2795	0.0	789	0.0	1500	1514	1281	2070+	54.47	1410	60.2	4.3	30.8	12.1	8.9
4-5 PM	3080	0.0	870	0.0	1500	1521	1559	2429+	55.45	1436	60.2	4.3	30.8	11.4	8.9
5-6 PM	3139	0.0	886	0.0	1500	1489	1650	2536+	55.69	1442	60.2	4.3	30.8	11.4	8.8
6-7 PM	2521	0.0	712	0.0	1500	1340	1181	1893+	53.04	1372	60.2	4.4	30.8	13.2	9.1
7-8 PM	1462	0.0	412	0.0	1500	808	654	1066	35.05	910	60.2	5.1	30.8	17.6	12.4
8-9 PM	1113	0.0	314	0.0	1499	1076	37	351	14.14	371	60.2	7.9	32.1	19.0	19.3
9-10 PM	1025	0.0	290	0.0	1500	1025	0	290	1.02	29	60.2	37.6	40.5	19.4	19.4
10-11 PM	727	0.0	205	0.0	1500	727	0	205	0.42	0	60.2	48.3	42.7	20.6	20.6
11PM-MID	434	0.0	122	0.0	1500	434	0	122	0.38	0	60.2	49.2	43.8	21.8	21.8

+ 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	0.0056
DIVERSION	0.1891

PIA: Personal Injury Accidents

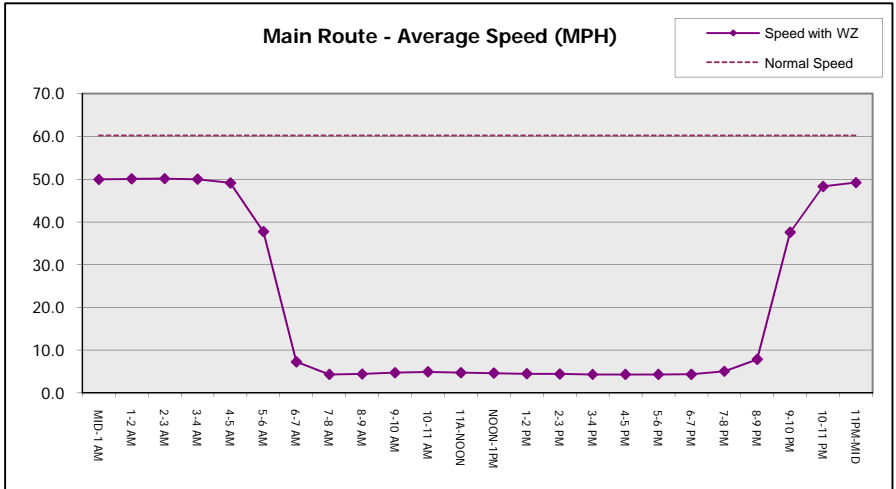
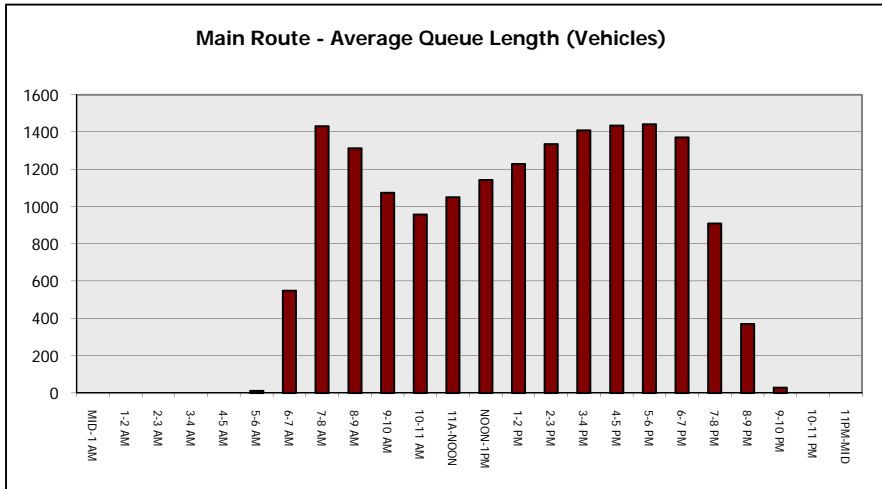
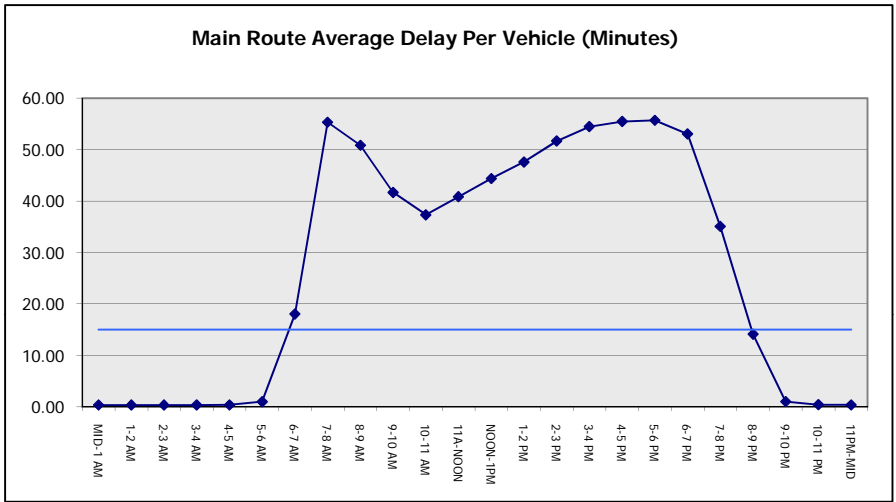
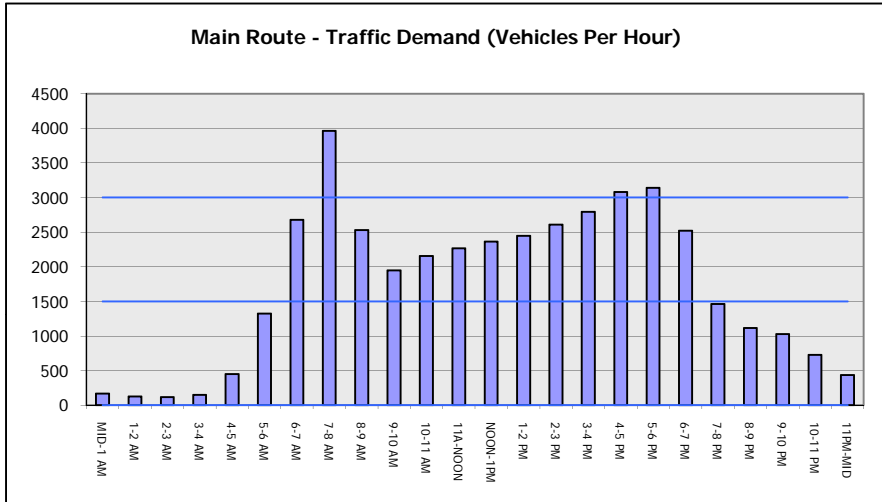
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$430,569
CONGESTED HOURS PER DAY*	14

\*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**

**OCTOBER**  
 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>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 32, STH 57</b>	<b>OCTOBER</b>
	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			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	264	0.0	74	0.0	1500	264	0	74	0.36	0	60.2	49.7	44.4	21.4	21.4
1-2 AM	227	0.0	64	0.0	1500	227	0	64	0.36	0	60.2	49.7	44.6	21.7	21.7
2-3 AM	179	0.0	50	0.0	1500	179	0	50	0.35	0	60.2	49.9	44.8	22.1	22.1
3-4 AM	144	0.0	41	0.0	1500	144	0	41	0.35	0	60.2	50.0	44.9	22.4	22.4
4-5 AM	232	0.0	66	0.0	1500	232	0	66	0.36	0	60.2	49.7	44.5	21.7	21.7
5-6 AM	595	0.0	167	0.0	1500	595	0	167	0.40	0	60.2	48.7	43.2	18.6	18.6
6-7 AM	1466	0.0	414	0.0	1499	1466	0	414	1.30	17	60.2	34.2	33.2	11.6	11.9
7-8 AM	1988	0.0	561	0.0	1500	1988	0	561	11.05	301	60.2	9.2	30.8	9.9	10.3
8-9 AM	1867	0.0	527	0.0	1499	1867	0	527	29.33	752	60.2	5.5	30.8	10.3	11.8
9-10 AM	1606	0.0	453	0.0	1499	1503	103	556	36.09	925	60.2	5.0	30.8	11.2	11.9
10-11 AM	1879	0.0	531	0.0	1499	1763	116	647	40.68	1048	60.2	4.8	30.8	10.3	10.9
11A-NOON	2153	0.0	608	0.0	1499	1728	425	1033+	51.56	1334	60.2	4.5	30.8	9.4	9.3
NOON-1PM	2539	0.0	717	0.0	1499	1499	1040	1757+	53.89	1394	60.2	4.4	30.8	8.1	9.0
1-2 PM	2586	0.0	730	0.0	1499	1497	1089	1820+	53.92	1395	60.2	4.4	30.8	8.0	9.0
2-3 PM	2875	0.0	812	0.0	1499	1533	1343	2155+	54.69	1415	60.2	4.3	30.8	7.3	8.9
3-4 PM	3774	0.0	1066	0.0	1499	1500	2274	3341+	55.79	1445	60.2	4.3	30.8	6.8	8.8
4-5 PM	4383	0.0	1238	0.0	1499	1500	2883	4121+	55.79	1445	60.2	4.3	30.8	6.8	8.8
5-6 PM	3716	0.0	1050	0.0	1499	1500	2217	3266+	55.79	1445	60.2	4.3	30.8	6.8	8.8
6-7 PM	2566	0.0	724	0.0	1499	1441	1125	1850+	54.38	1407	60.2	4.3	30.8	8.0	9.0
7-8 PM	1690	0.0	477	0.0	1499	1321	369	846+	51.65	1336	60.2	4.5	30.8	10.9	9.3
8-9 PM	1444	0.0	408	0.0	1499	1202	241	649	40.87	1053	60.2	4.8	30.8	11.7	10.9
9-10 PM	1552	0.0	438	0.0	1499	1454	98	537	35.26	903	60.2	5.0	30.8	11.4	12.0
10-11 PM	1005	0.0	284	0.0	1499	967	38	322	23.71	616	60.2	6.0	31.2	15.2	15.5
11PM-MID	708	0.0	200	0.0	1500	708	0	200	1.51	79	60.2	32.2	42.2	17.7	17.8

+ 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	0.0112
MAIN ROUTE WITH WORKS	0.0058
DIVERSION	0.1809

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$450,182
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

