

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

**MAY**  
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	275	0.0	77	0.0	1500	275	0	77	0.36	0	60.2	49.6	44.4	22.5	22.5
1-2 AM	152	0.0	43	0.0	1500	152	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
2-3 AM	140	0.0	40	0.0	1500	140	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
3-4 AM	120	0.0	33	0.0	1500	120	0	33	0.34	0	60.2	50.1	45.0	23.1	23.1
4-5 AM	211	0.0	60	0.0	1500	211	0	60	0.35	0	60.2	49.8	44.6	22.7	22.7
5-6 AM	433	0.0	122	0.0	1500	433	0	122	0.38	0	60.2	49.2	43.8	21.8	21.8
6-7 AM	712	0.0	201	0.0	1500	712	0	201	0.42	0	60.2	48.4	42.7	20.7	20.7
7-8 AM	1113	0.0	314	0.0	1499	1113	0	314	0.53	0	60.2	46.0	39.7	19.0	19.0
8-9 AM	1607	0.0	454	0.0	1499	1607	0	454	1.79	28	60.2	29.3	30.8	17.0	17.0
9-10 AM	1902	0.0	537	0.0	1500	1902	0	537	11.08	291	60.2	9.1	30.8	15.8	16.2
10-11 AM	2157	0.0	609	0.0	1499	1933	224	832	29.29	753	60.2	5.5	30.8	14.7	14.0
11A-NOON	2352	0.0	664	0.0	1499	1702	650	1315	40.89	1052	60.2	4.8	30.8	13.9	10.9
NOON-1PM	2357	0.0	665	0.0	1499	1546	811	1477+	45.66	1177	60.2	4.6	30.8	13.9	10.1
1-2 PM	2210	0.0	624	0.0	1499	1403	806	1430	44.32	1142	60.2	4.7	30.8	14.5	10.2
2-3 PM	2165	0.0	611	0.0	1499	1444	721	1332	41.34	1064	60.2	4.8	30.8	14.7	10.8
3-4 PM	2139	0.0	604	0.0	1499	1467	672	1275	39.79	1023	60.2	4.8	30.8	14.8	11.1
4-5 PM	2056	0.0	581	0.0	1499	1435	621	1202	37.93	974	60.2	4.9	30.8	15.2	11.4
5-6 PM	1933	0.0	546	0.0	1499	1400	533	1079	35.19	902	60.2	5.0	30.8	15.6	12.0
6-7 PM	1461	0.0	412	0.0	1499	1175	286	698	26.56	679	60.2	5.7	30.8	17.6	15.0
7-8 PM	1222	0.0	345	0.0	1499	1218	4	349	15.28	386	60.2	7.5	30.9	18.6	19.3
8-9 PM	1012	0.0	286	0.0	1499	1012	0	286	1.54	61	60.2	31.7	39.5	19.4	19.4
9-10 PM	857	0.0	242	0.0	1500	857	0	242	0.43	0	60.2	47.9	42.2	20.1	20.1
10-11 PM	595	0.0	167	0.0	1500	595	0	167	0.40	0	60.2	48.7	43.2	21.2	21.2
11PM-MID	541	0.0	153	0.0	1500	541	0	153	0.40	0	60.2	48.9	43.3	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	0.0081
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.0990

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$243,472
CONGESTED HOURS PER DAY*	10

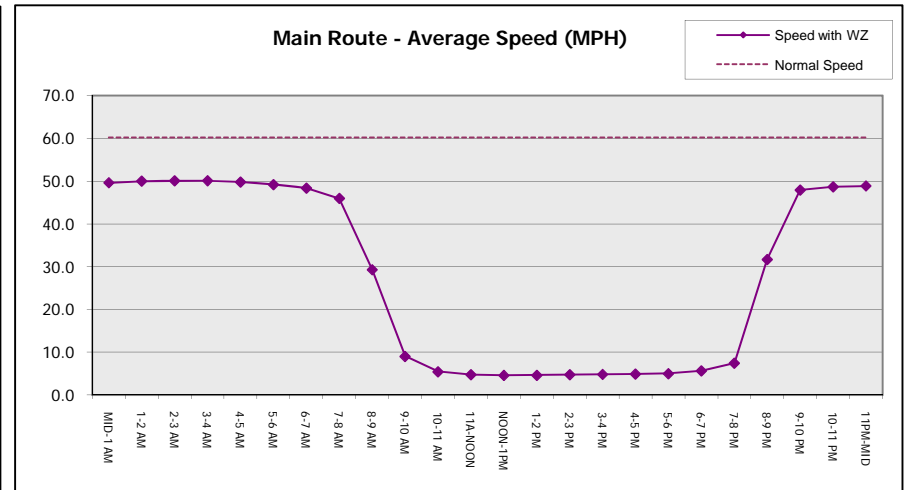
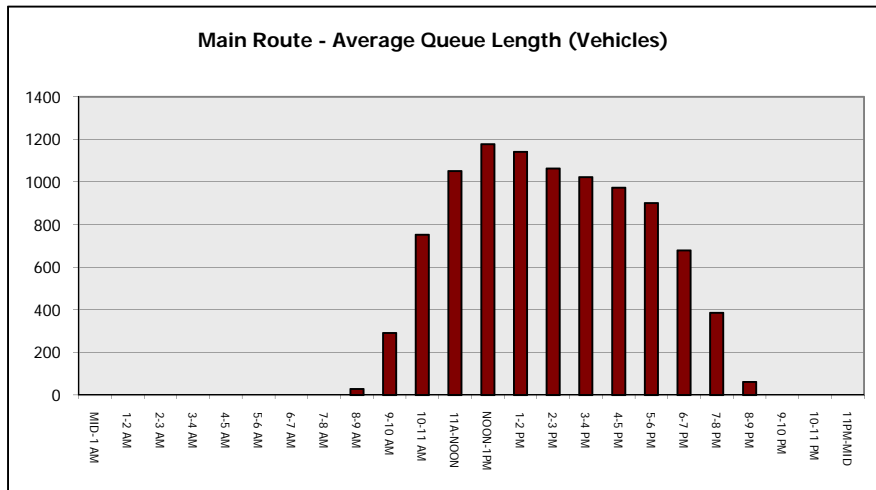
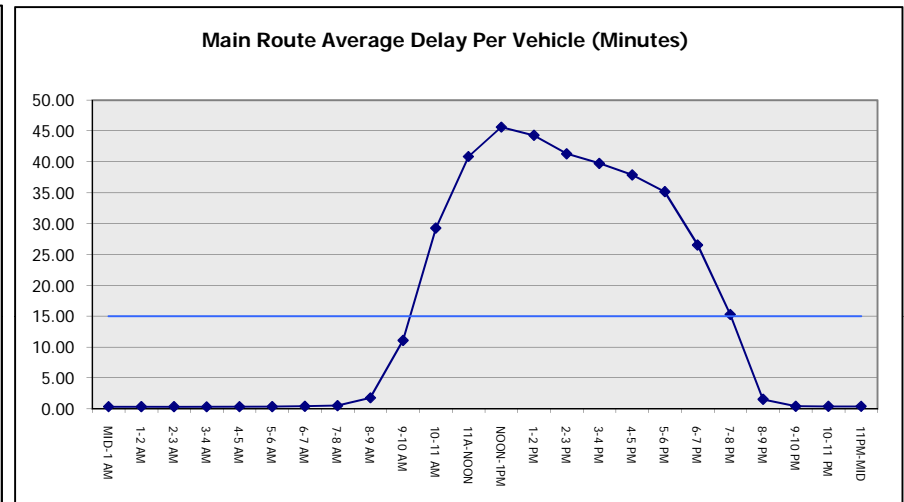
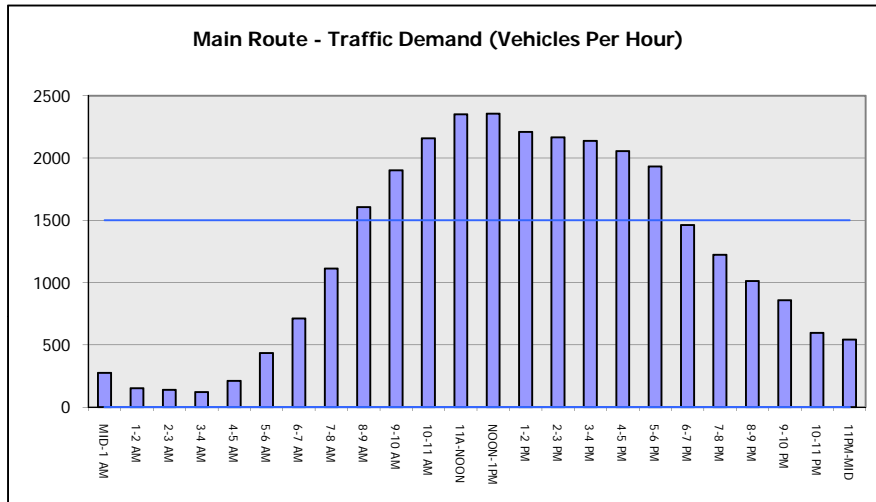
\*Delays Exceeding 15 Minutes

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

**MAY**  
 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)                  CONTINUOUS (24 HOUR) 2 LANE CLOSURE                  DIVERSION ROUTE: STH 32, STH 57</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

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	419	0.0	118	0.0	1500	419	0	118	0.38	0	60.2	49.2	43.8	21.9	21.9
1-2 AM	257	0.0	72	0.0	1500	257	0	72	0.36	0	60.2	49.7	44.5	22.5	22.5
2-3 AM	243	0.0	69	0.0	1500	243	0	69	0.36	0	60.2	49.7	44.5	22.6	22.6
3-4 AM	157	0.0	44	0.0	1500	157	0	44	0.35	0	60.2	50.0	44.8	23.0	23.0
4-5 AM	176	0.0	49	0.0	1500	176	0	49	0.35	0	60.2	49.9	44.8	22.9	22.9
5-6 AM	290	0.0	82	0.0	1500	290	0	82	0.36	0	60.2	49.6	44.3	22.4	22.4
6-7 AM	606	0.0	171	0.0	1500	606	0	171	0.40	0	60.2	48.7	43.1	21.1	21.1
7-8 AM	1200	0.0	339	0.0	1500	1200	0	339	0.58	0	60.2	45.0	38.4	18.6	18.6
8-9 AM	1401	0.0	396	0.0	1499	1401	0	396	0.84	0	60.2	40.3	33.0	17.8	17.8
9-10 AM	1522	0.0	430	0.0	1499	1522	0	430	1.23	8	60.2	34.9	31.0	17.3	17.3
10-11 AM	1744	0.0	493	0.0	1500	1744	0	493	5.56	139	60.2	14.3	30.8	16.4	16.5
11A-NOON	1998	0.0	564	0.0	1500	1965	32	596	19.62	509	60.2	6.6	30.8	15.4	16.0
NOON-1PM	2122	0.0	600	0.0	1499	1714	408	1008	33.78	866	60.2	5.2	30.8	14.8	12.5
1-2 PM	2216	0.0	626	0.0	1499	1598	618	1243	38.96	1001	60.2	4.8	30.8	14.5	11.2
2-3 PM	2435	0.0	687	0.0	1499	1674	761	1448	44.68	1152	60.2	4.7	30.8	13.6	10.2
3-4 PM	2291	0.0	647	0.0	1499	1428	863	1510+	46.45	1198	60.2	4.6	30.8	14.2	9.9
4-5 PM	2082	0.0	588	0.0	1499	1331	751	1339	41.58	1070	60.2	4.8	30.8	15.0	10.7
5-6 PM	1951	0.0	550	0.0	1499	1378	573	1124	36.15	927	60.2	5.0	30.8	15.6	11.9
6-7 PM	1703	0.0	481	0.0	1499	1330	373	854	30.65	783	60.2	5.3	30.8	16.6	13.4
7-8 PM	1396	0.0	394	0.0	1499	1254	142	536	22.14	561	60.2	6.1	30.8	17.8	17.1
8-9 PM	1271	0.0	359	0.0	1499	1271	0	359	13.80	344	60.2	7.8	30.8	18.4	19.0
9-10 PM	1086	0.0	307	0.0	1499	1086	0	307	1.76	68	60.2	29.7	38.1	19.1	19.1
10-11 PM	774	0.0	219	0.0	1500	774	0	219	0.42	0	60.2	48.2	42.5	20.4	20.4
11PM-MID	637	0.0	180	0.0	1500	637	0	180	0.41	0	60.2	48.6	43.0	21.0	21.0

+ 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	0.0081
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0937

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$216,999
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
 DIVERSION ROUTE: STH 32, STH 57**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

