

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
OFF-PEAK DAY 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	OFF	275	0	77	0.00	0	60.2	60.2	60.2	22.5	22.5
1-2 AM	152	0.0	43	0.0	OFF	152	0	43	0.00	0	60.2	60.2	60.2	23.0	23.0
2-3 AM	140	0.0	40	0.0	OFF	140	0	40	0.00	0	60.2	60.2	60.2	23.0	23.0
3-4 AM	120	0.0	33	0.0	OFF	120	0	33	0.00	0	60.2	60.2	60.2	23.1	23.1
4-5 AM	211	0.0	60	0.0	OFF	211	0	60	0.00	0	60.2	60.2	60.2	22.7	22.7
5-6 AM	433	0.0	122	0.0	OFF	433	0	122	0.00	0	60.2	60.2	60.2	21.8	21.8
6-7 AM	712	0.0	201	0.0	OFF	712	0	201	0.00	0	60.2	60.2	60.2	20.7	20.7
7-8 AM	1113	0.0	314	0.0	OFF	1113	0	314	0.00	0	60.2	60.2	60.2	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	OFF	1461	0	412	0.78	77	60.2	41.3	41.3	17.6	17.6
7-8 PM	1222	0.0	345	0.0	OFF	1222	0	345	0.00	0	60.2	60.2	60.2	18.6	18.6
8-9 PM	1012	0.0	286	0.0	OFF	1012	0	286	0.00	0	60.2	60.2	60.2	19.4	19.4
9-10 PM	857	0.0	242	0.0	OFF	857	0	242	0.00	0	60.2	60.2	60.2	20.1	20.1
10-11 PM	595	0.0	167	0.0	OFF	595	0	167	0.00	0	60.2	60.2	60.2	21.2	21.2
11PM-MID	541	0.0	153	0.0	OFF	541	0	153	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	0.0081
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.0969

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$220,103
CONGESTED HOURS PER DAY*	8

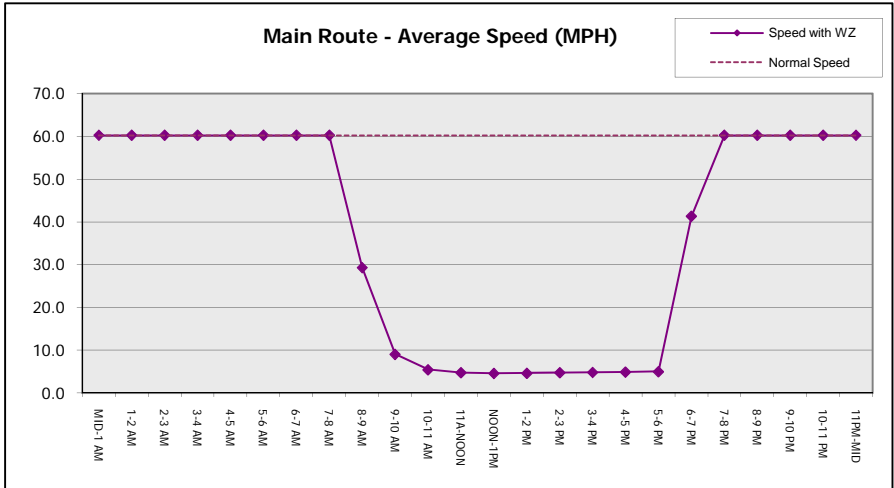
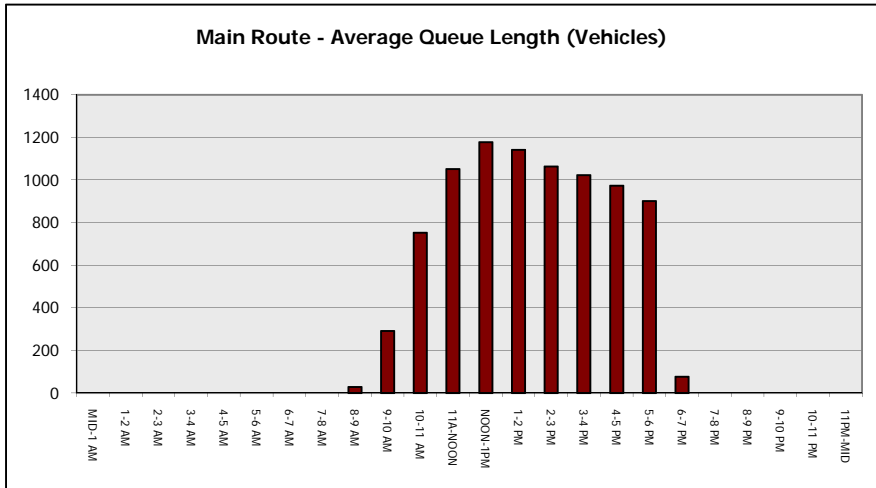
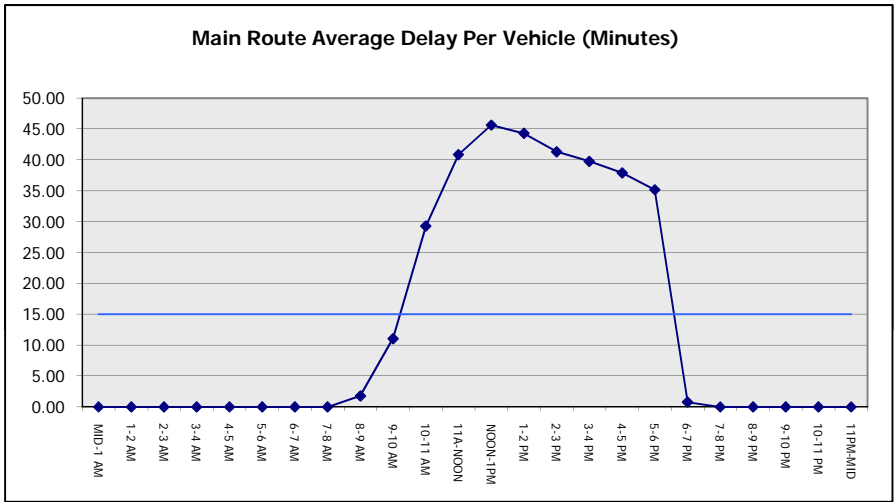
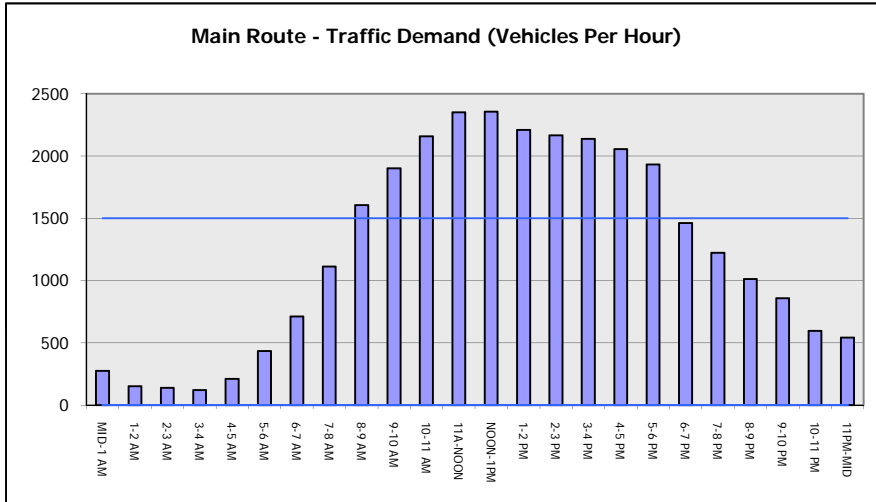
*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57	MAY 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							
	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	419	0.0	118	0.0	OFF	419	0	118	0.00	0	60.2	60.2	60.2	21.9	21.9	
1-2 AM	257	0.0	72	0.0	OFF	257	0	72	0.00	0	60.2	60.2	60.2	22.5	22.5	
2-3 AM	243	0.0	69	0.0	OFF	243	0	69	0.00	0	60.2	60.2	60.2	22.6	22.6	
3-4 AM	157	0.0	44	0.0	OFF	157	0	44	0.00	0	60.2	60.2	60.2	23.0	23.0	
4-5 AM	176	0.0	49	0.0	OFF	176	0	49	0.00	0	60.2	60.2	60.2	22.9	22.9	
5-6 AM	290	0.0	82	0.0	OFF	290	0	82	0.00	0	60.2	60.2	60.2	22.4	22.4	
6-7 AM	606	0.0	171	0.0	OFF	606	0	171	0.00	0	60.2	60.2	60.2	21.1	21.1	
7-8 AM	1200	0.0	339	0.0	OFF	1200	0	339	0.00	0	60.2	60.2	60.2	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	OFF	1703	0	481	0.87	86	60.2	39.8	39.8	16.6	16.6	
7-8 PM	1396	0.0	394	0.0	OFF	1396	0	394	0.00	0	60.2	60.2	60.2	17.8	17.8	
8-9 PM	1271	0.0	359	0.0	OFF	1271	0	359	0.00	0	60.2	60.2	60.2	18.4	18.4	
9-10 PM	1086	0.0	307	0.0	OFF	1086	0	307	0.00	0	60.2	60.2	60.2	19.1	19.1	
10-11 PM	774	0.0	219	0.0	OFF	774	0	219	0.00	0	60.2	60.2	60.2	20.4	20.4	
11PM-MID	637	0.0	180	0.0	OFF	637	0	180	0.00	0	60.2	60.2	60.2	21.0	21.0	

"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	0.0081
MAIN ROUTE WITH WORKS	0.0060
DIVERSION	0.0900
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$180,806
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**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

