

**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**

SUNDAY 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	301	0.0	85	0.0	1500	301	0	85	0.37	0	60.2	49.6	44.3	22.4	22.4
1-2 AM	150	0.0	43	0.0	1500	150	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
2-3 AM	122	0.0	35	0.0	1500	122	0	35	0.34	0	60.2	50.1	45.0	23.1	23.1
3-4 AM	98	0.0	28	0.0	1500	98	0	28	0.34	0	60.2	50.2	45.1	23.2	23.2
4-5 AM	141	0.0	40	0.0	1500	141	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
5-6 AM	303	0.0	86	0.0	1500	303	0	86	0.37	0	60.2	49.6	44.3	22.4	22.4
6-7 AM	381	0.0	108	0.0	1500	381	0	108	0.38	0	60.2	49.3	44.0	22.0	22.0
7-8 AM	515	0.0	145	0.0	1500	515	0	145	0.39	0	60.2	48.9	43.5	21.5	21.5
8-9 AM	803	0.0	227	0.0	1500	803	0	227	0.43	0	60.2	48.1	42.4	20.3	20.3
9-10 AM	1207	0.0	341	0.0	1499	1207	0	341	0.60	0	60.2	44.6	38.0	18.6	18.6
10-11 AM	1793	0.0	506	0.0	1499	1793	0	506	4.63	124	60.2	16.4	30.8	16.2	16.3
11A-NOON	1920	0.0	542	0.0	1499	1897	23	565	18.87	485	60.2	6.7	30.8	15.7	16.4
NOON-1PM	2282	0.0	644	0.0	1499	1856	425	1070	35.14	904	60.2	5.0	30.8	14.2	12.2
1-2 PM	2061	0.0	582	0.0	1499	1400	661	1242	38.94	1001	60.2	4.8	30.8	15.2	11.2
2-3 PM	1930	0.0	545	0.0	1499	1405	525	1070	35.00	897	60.2	5.0	30.8	15.6	12.1
3-4 PM	1826	0.0	516	0.0	1499	1437	390	906	31.85	814	60.2	5.2	30.8	16.1	13.0
4-5 PM	1845	0.0	521	0.0	1499	1506	338	859	31.06	792	60.2	5.3	30.8	16.0	13.2
5-6 PM	1794	0.0	506	0.0	1499	1458	335	842	30.78	785	60.2	5.3	30.8	16.2	13.3
6-7 PM	1382	0.0	390	0.0	1499	1192	190	580	23.24	592	60.2	6.0	30.8	17.9	16.5
7-8 PM	1135	0.0	320	0.0	1499	1135	0	320	10.22	273	60.2	9.6	32.8	18.9	19.4
8-9 PM	1031	0.0	291	0.0	1500	1031	0	291	0.65	8	60.2	43.6	41.2	19.4	19.4
9-10 PM	583	0.0	165	0.0	1500	583	0	165	0.40	0	60.2	48.7	43.2	21.2	21.2
10-11 PM	503	0.0	142	0.0	1500	503	0	142	0.39	0	60.2	48.9	43.5	21.5	21.5
11PM-MID	275	0.0	77	0.0	1500	275	0	77	0.36	0	60.2	49.6	44.4	22.5	22.5

*----- 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	0.0066
MAIN ROUTE WITH WORKS	0.0044
DIVERSION	0.0706

PIA: Personal Injury Accidents

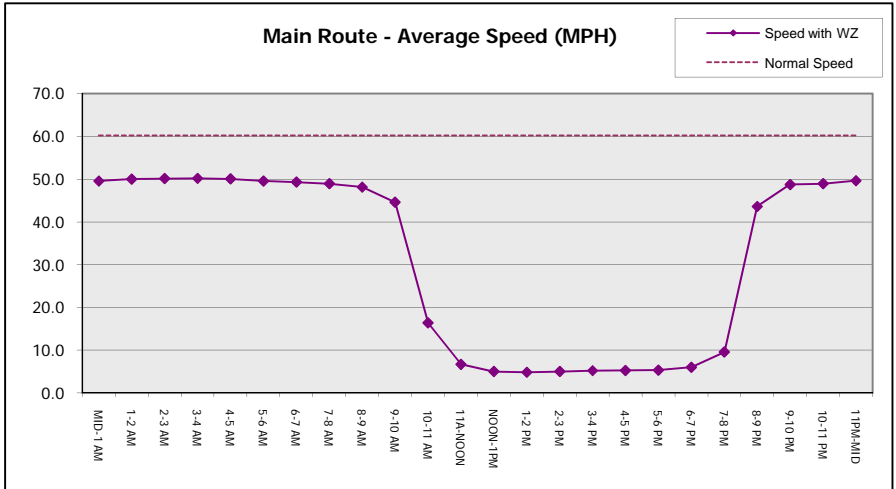
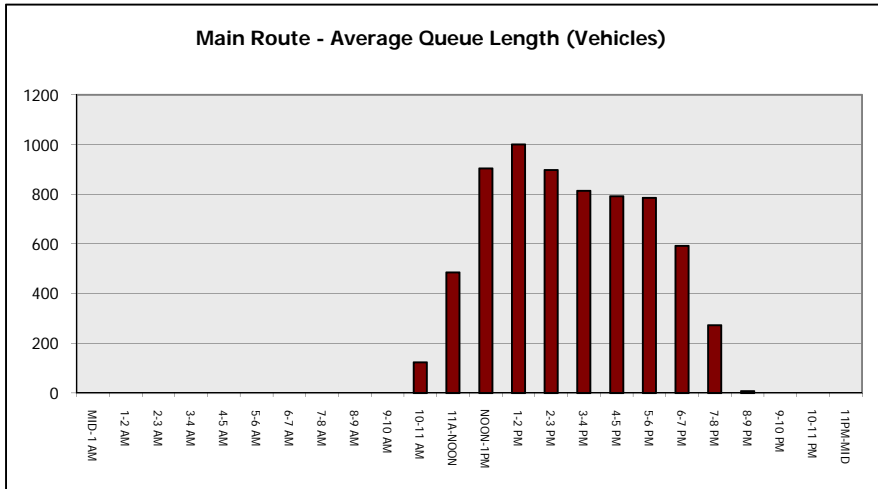
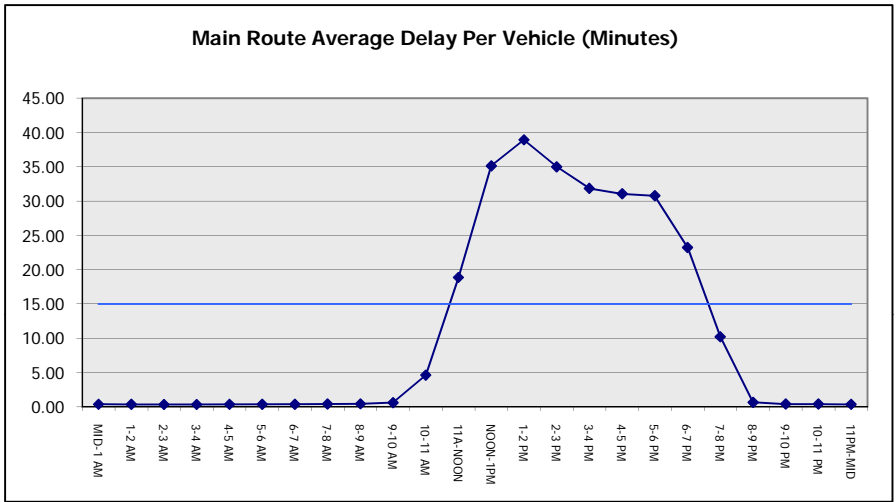
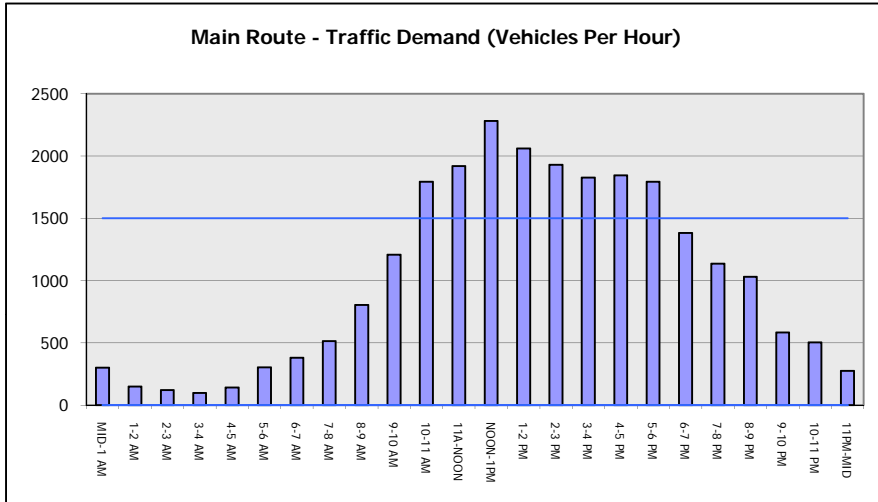
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$154,255
CONGESTED HOURS PER DAY*	8

\*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**  
**SUNDAY 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>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	414	0.0	117	0.0	1500	414	0	117	0.38	0	60.2	49.2	43.8	21.9	21.9
1-2 AM	238	0.0	67	0.0	1500	238	0	67	0.36	0	60.2	49.7	44.5	22.6	22.6
2-3 AM	228	0.0	65	0.0	1500	228	0	65	0.36	0	60.2	49.7	44.6	22.7	22.7
3-4 AM	172	0.0	49	0.0	1500	172	0	49	0.35	0	60.2	49.9	44.8	22.9	22.9
4-5 AM	116	0.0	32	0.0	1500	116	0	32	0.34	0	60.2	50.1	45.0	23.1	23.1
5-6 AM	188	0.0	53	0.0	1500	188	0	53	0.35	0	60.2	49.9	44.7	22.8	22.8
6-7 AM	301	0.0	85	0.0	1500	301	0	85	0.37	0	60.2	49.6	44.3	22.4	22.4
7-8 AM	507	0.0	143	0.0	1500	507	0	143	0.39	0	60.2	48.9	43.5	21.5	21.5
8-9 AM	707	0.0	200	0.0	1500	707	0	200	0.42	0	60.2	48.4	42.7	20.7	20.7
9-10 AM	1025	0.0	290	0.0	1499	1025	0	290	0.46	0	60.2	47.4	41.4	19.4	19.4
10-11 AM	1536	0.0	433	0.0	1499	1536	0	433	1.43	17	60.2	32.7	31.5	17.3	17.3
11A-NOON	1839	0.0	519	0.0	1500	1839	0	519	8.36	218	60.2	10.9	30.8	16.0	16.3
NOON-1PM	2184	0.0	616	0.0	1500	2017	167	784	26.87	696	60.2	5.7	30.8	14.6	14.2
1-2 PM	2088	0.0	590	0.0	1500	1527	561	1151	36.74	943	60.2	5.0	30.8	15.0	11.7
2-3 PM	2147	0.0	606	0.0	1500	1550	597	1203	37.95	974	60.2	4.9	30.8	14.8	11.4
3-4 PM	2264	0.0	639	0.0	1500	1590	674	1313	40.81	1050	60.2	4.8	30.8	14.3	10.9
4-5 PM	2245	0.0	634	0.0	1500	1499	746	1380	42.75	1101	60.2	4.7	30.8	14.3	10.6
5-6 PM	2002	0.0	565	0.0	1500	1326	676	1241	38.94	1001	60.2	4.8	30.8	15.3	11.2
6-7 PM	1888	0.0	534	0.0	1500	1395	494	1027	34.14	874	60.2	5.1	30.8	15.8	12.4
7-8 PM	1412	0.0	399	0.0	1500	1167	246	644	25.02	639	60.2	5.8	30.8	17.8	15.6
8-9 PM	1205	0.0	340	0.0	1499	1205	0	340	13.55	344	60.2	7.9	31.2	18.6	19.3
9-10 PM	952	0.0	269	0.0	1500	952	0	269	1.09	35	60.2	36.7	41.0	19.7	19.7
10-11 PM	585	0.0	165	0.0	1500	585	0	165	0.40	0	60.2	48.7	43.2	21.2	21.2
11PM-MID	438	0.0	123	0.0	1500	438	0	123	0.38	0	60.2	49.1	43.7	21.8	21.8

*----- 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	0.0072
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0844

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$195,168
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

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 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**  
**SUNDAY EASTBOUND DIRECTION**

