

**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

MON-THUR 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	201	0.0	56	0.0	1500	201	0	56	0.35	0	60.2	49.9	44.6	22.8	22.8
1-2 AM	127	0.0	36	0.0	1500	127	0	36	0.34	0	60.2	50.1	45.0	23.1	23.1
2-3 AM	118	0.0	33	0.0	1500	118	0	33	0.34	0	60.2	50.1	45.0	23.1	23.1
3-4 AM	154	0.0	44	0.0	1500	154	0	44	0.35	0	60.2	50.0	44.9	23.0	23.0
4-5 AM	444	0.0	126	0.0	1500	444	0	126	0.38	0	60.2	49.1	43.7	21.8	21.8
5-6 AM	1445	0.0	408	0.0	1499	1445	0	408	1.36	31	60.2	33.4	35.6	17.6	17.6
6-7 AM	2897	0.0	818	0.0	1500	2717	180	998	24.49	706	60.2	6.2	30.8	11.7	12.5
7-8 AM	3942	0.0	1113	0.0	1500	1500	2442	3555+	55.80	1445	60.2	4.3	30.8	10.1	8.8
8-9 AM	2482	0.0	701	0.0	1500	1426	1056	1757+	53.11	1374	60.2	4.4	30.8	13.4	9.1
9-10 AM	2084	0.0	588	0.0	1500	1247	837	1425	43.97	1134	60.2	4.7	30.8	15.0	10.4
10-11 AM	2152	0.0	608	0.0	1500	1504	648	1256	39.26	1009	60.2	4.8	30.8	14.7	11.2
11A-NOON	2307	0.0	652	0.0	1500	1612	695	1347	41.78	1076	60.2	4.7	30.8	14.1	10.7
NOON-1PM	2377	0.0	672	0.0	1500	1576	802	1473+	45.52	1174	60.2	4.6	30.8	13.8	10.1
1-2 PM	2364	0.0	668	0.0	1500	1507	857	1525+	46.79	1207	60.2	4.6	30.8	13.8	9.9
2-3 PM	2468	0.0	697	0.0	1500	1574	893	1590+	48.43	1250	60.2	4.5	30.8	13.5	9.7
3-4 PM	2542	0.0	718	0.0	1500	1576	966	1684+	50.95	1317	60.2	4.5	30.8	13.2	9.4
4-5 PM	2839	0.0	801	0.0	1500	1550	1289	2091+	54.50	1411	60.2	4.3	30.8	11.9	8.9
5-6 PM	2912	0.0	822	0.0	1500	1485	1427	2249+	54.97	1423	60.2	4.3	30.8	11.7	8.9
6-7 PM	1973	0.0	558	0.0	1500	1032	942	1499+	45.79	1185	60.2	4.6	30.8	15.5	10.1
7-8 PM	1375	0.0	388	0.0	1500	1038	337	725	26.81	690	60.2	5.7	30.8	17.9	15.0
8-9 PM	1104	0.0	312	0.0	1499	1104	0	312	10.52	287	60.2	9.5	33.4	19.1	19.5
9-10 PM	831	0.0	234	0.0	1500	831	0	234	0.53	4	60.2	45.9	42.2	20.2	20.2
10-11 PM	584	0.0	165	0.0	1500	584	0	165	0.40	0	60.2	48.7	43.2	21.2	21.2
11PM-MID	352	0.0	99	0.0	1500	352	0	99	0.37	0	60.2	49.4	44.1	22.2	22.2

+ 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	0.0109
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.1782

PIA: Personal Injury Accidents

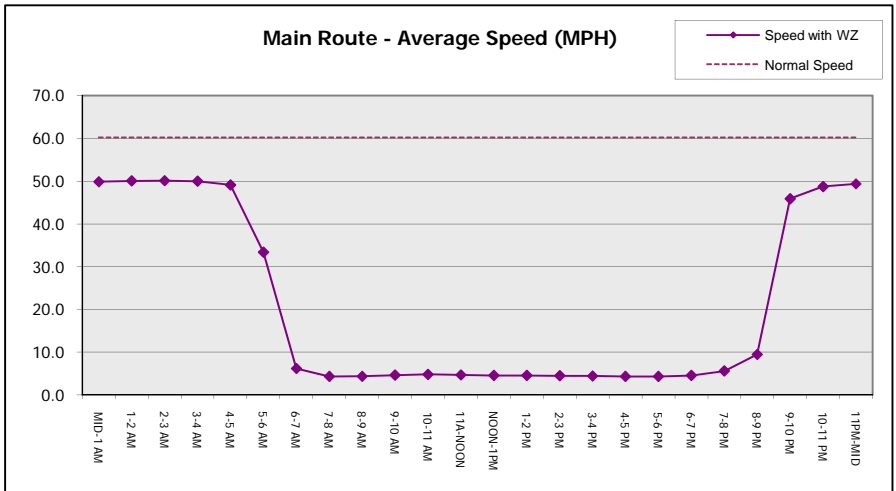
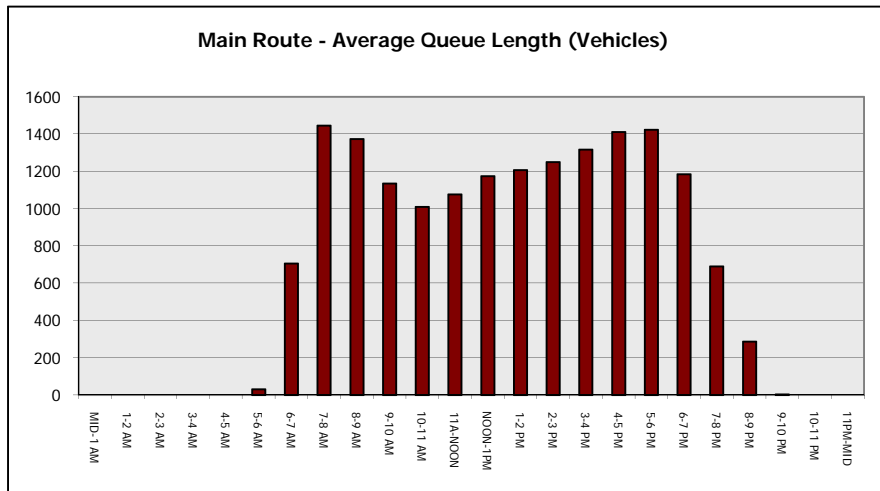
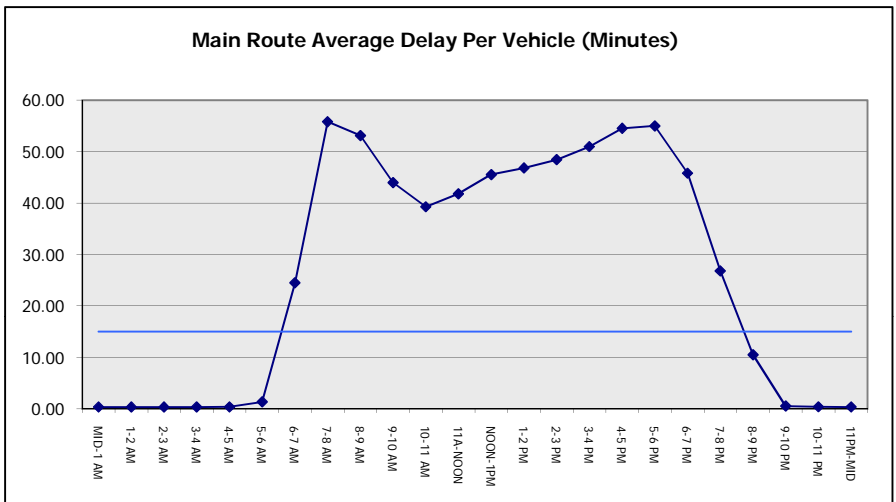
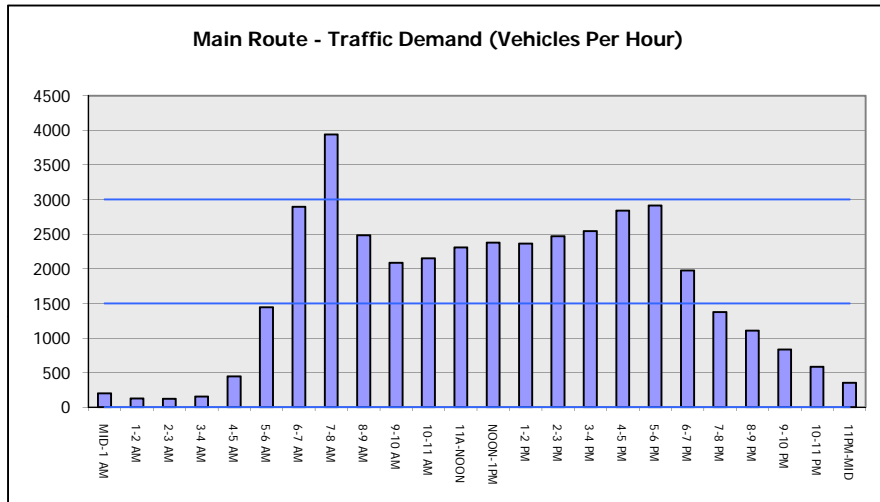
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$411,630
CONGESTED HOURS PER DAY*	14

*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
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	267	0.0	75	0.0	1500	267	0	75	0.36	0	60.2	49.7	44.4	22.5	22.5
1-2 AM	171	0.0	48	0.0	1500	171	0	48	0.35	0	60.2	49.9	44.8	22.9	22.9
2-3 AM	162	0.0	46	0.0	1500	162	0	46	0.35	0	60.2	50.0	44.8	22.9	22.9
3-4 AM	156	0.0	44	0.0	1500	156	0	44	0.35	0	60.2	50.0	44.8	23.0	23.0
4-5 AM	263	0.0	74	0.0	1500	263	0	74	0.36	0	60.2	49.7	44.4	22.5	22.5
5-6 AM	676	0.0	190	0.0	1500	676	0	190	0.41	0	60.2	48.4	42.8	20.8	20.8
6-7 AM	1486	0.0	420	0.0	1499	1486	0	420	1.37	19	60.2	33.3	32.9	17.5	17.5
7-8 AM	2044	0.0	578	0.0	1500	2044	0	578	12.41	341	60.2	8.6	30.8	15.2	15.8
8-9 AM	1801	0.0	508	0.0	1499	1591	210	719	27.03	687	60.2	5.6	30.8	16.2	14.7
9-10 AM	1759	0.0	497	0.0	1499	1506	253	750	28.05	713	60.2	5.5	30.8	16.3	14.3
10-11 AM	1883	0.0	531	0.0	1500	1600	284	815	29.98	765	60.2	5.3	30.8	15.8	13.6
11A-NOON	2105	0.0	594	0.0	1499	1642	464	1058	34.75	890	60.2	5.1	30.8	15.0	12.2
NOON-1PM	2281	0.0	643	0.0	1499	1636	645	1288	40.14	1032	60.2	4.8	30.8	14.2	11.0
1-2 PM	2322	0.0	656	0.0	1499	1573	749	1405	43.52	1121	60.2	4.7	30.8	14.0	10.4
2-3 PM	2737	0.0	773	0.0	1499	1815	922	1695+	50.83	1315	60.2	4.5	30.8	12.4	9.4
3-4 PM	3431	0.0	969	0.0	1499	1500	1931	2900+	55.79	1444	60.2	4.3	30.8	10.9	8.8
4-5 PM	4375	0.0	1236	0.0	1499	1500	2875	4111+	55.79	1444	60.2	4.3	30.8	9.4	8.8
5-6 PM	3913	0.0	1105	0.0	1499	1500	2413	3518+	55.79	1444	60.2	4.3	30.8	10.1	8.8
6-7 PM	2397	0.0	677	0.0	1499	1179	1217	1894+	51.88	1343	60.2	4.4	30.8	13.7	9.3
7-8 PM	1692	0.0	478	0.0	1499	1059	634	1112	36.15	932	60.2	5.0	30.8	16.6	11.9
8-9 PM	1536	0.0	433	0.0	1499	1319	217	650	25.02	635	60.2	5.8	30.8	17.3	15.6
9-10 PM	1234	0.0	348	0.0	1499	1213	20	369	16.40	415	60.2	7.1	30.9	18.5	19.1
10-11 PM	865	0.0	244	0.0	1500	865	0	244	1.41	60	60.2	33.1	41.4	20.1	20.1
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	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	0.0109
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.1744

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$377,823
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
MON-THUR EASTBOUND DIRECTION

