

**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

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	316	0.0	89	0.0	1500	316	0	89	0.37	0	60.2	49.5	44.2	22.3	22.3
1-2 AM	222	0.0	63	0.0	1500	222	0	63	0.36	0	60.2	49.8	44.6	22.7	22.7
2-3 AM	172	0.0	49	0.0	1500	172	0	49	0.35	0	60.2	49.9	44.8	22.9	22.9
3-4 AM	140	0.0	40	0.0	1500	140	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
4-5 AM	199	0.0	56	0.0	1500	199	0	56	0.35	0	60.2	49.9	44.7	22.8	22.8
5-6 AM	442	0.0	125	0.0	1500	442	0	125	0.38	0	60.2	49.1	43.7	21.8	21.8
6-7 AM	671	0.0	189	0.0	1500	671	0	189	0.41	0	60.2	48.5	42.8	20.9	20.9
7-8 AM	987	0.0	278	0.0	1500	987	0	278	0.45	0	60.2	47.6	41.7	19.6	19.6
8-9 AM	1329	0.0	376	0.0	1499	1329	0	376	0.74	0	60.2	42.0	34.9	18.1	18.1
9-10 AM	1797	0.0	507	0.0	1499	1797	0	507	4.64	125	60.2	16.4	30.8	16.2	16.3
10-11 AM	2077	0.0	586	0.0	1500	2013	64	650	21.51	560	60.2	6.3	30.8	15.1	15.4
11A-NOON	2199	0.0	620	0.0	1500	1700	498	1119	36.06	925	60.2	5.0	30.8	14.5	11.9
NOON-1PM	2221	0.0	627	0.0	1500	1541	680	1307	40.63	1045	60.2	4.8	30.8	14.5	10.9
1-2 PM	1912	0.0	540	0.0	1500	1301	611	1150	36.79	945	60.2	5.0	30.8	15.7	11.7
2-3 PM	1859	0.0	525	0.0	1500	1452	407	932	32.32	826	60.2	5.2	30.8	16.0	12.9
3-4 PM	1779	0.0	502	0.0	1500	1453	325	828	30.48	777	60.2	5.3	30.8	16.3	13.4
4-5 PM	1762	0.0	498	0.0	1500	1479	283	781	29.17	743	60.2	5.4	30.8	16.3	13.8
5-6 PM	1811	0.0	512	0.0	1500	1524	287	799	29.82	760	60.2	5.4	30.8	16.1	13.6
6-7 PM	1478	0.0	417	0.0	1499	1246	232	650	25.08	638	60.2	5.8	30.8	17.5	15.6
7-8 PM	1053	0.0	297	0.0	1499	1053	0	297	10.62	299	60.2	9.5	34.0	19.3	19.8
8-9 PM	937	0.0	265	0.0	1500	937	0	265	0.52	3	60.2	46.0	41.9	19.7	19.7
9-10 PM	856	0.0	242	0.0	1500	856	0	242	0.43	0	60.2	47.9	42.2	20.1	20.1
10-11 PM	690	0.0	195	0.0	1500	690	0	195	0.41	0	60.2	48.4	42.8	20.7	20.7
11PM-MID	472	0.0	133	0.0	1500	472	0	133	0.39	0	60.2	49.1	43.6	21.7	21.7

----- 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	0.0074
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0803

PIA: Personal Injury Accidents

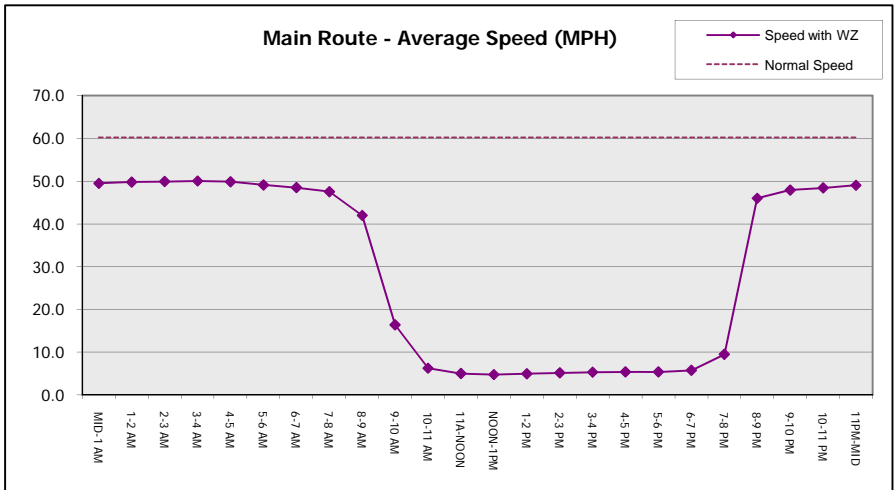
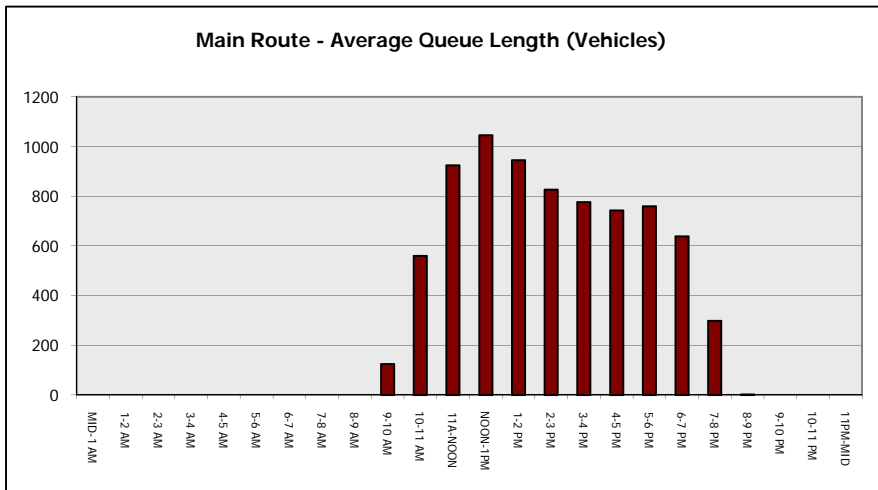
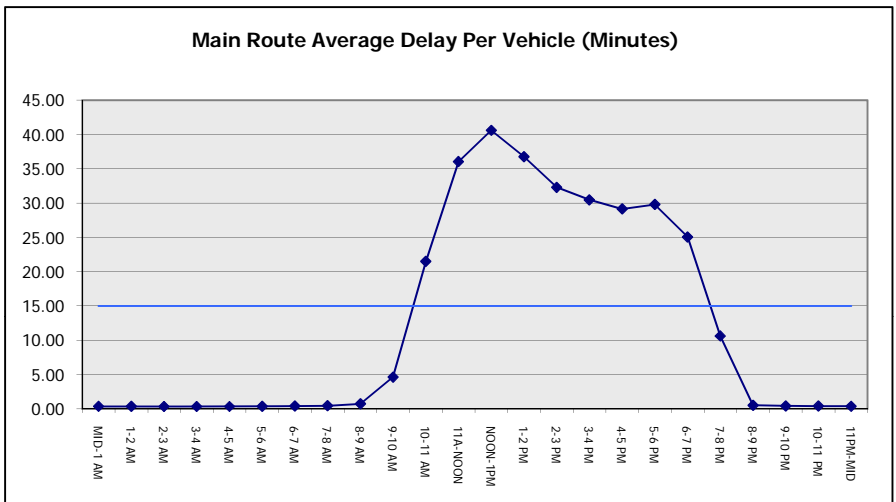
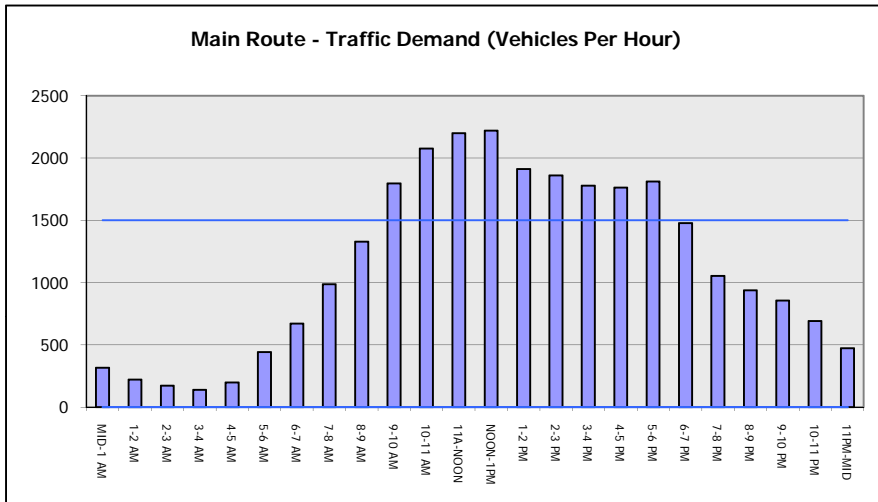
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$176,066
CONGESTED HOURS PER DAY*	9

*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
SATURDAY 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

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	424	0.0	119	0.0	1500	424	0	119	0.38	0	60.2	49.2	43.8	21.9	21.9
1-2 AM	267	0.0	75	0.0	1500	267	0	75	0.36	0	60.2	49.7	44.4	22.5	22.5
2-3 AM	255	0.0	72	0.0	1500	255	0	72	0.36	0	60.2	49.7	44.5	22.5	22.5
3-4 AM	199	0.0	56	0.0	1500	199	0	56	0.35	0	60.2	49.9	44.7	22.8	22.8
4-5 AM	192	0.0	54	0.0	1500	192	0	54	0.35	0	60.2	49.9	44.7	22.8	22.8
5-6 AM	261	0.0	73	0.0	1500	261	0	73	0.36	0	60.2	49.7	44.5	22.5	22.5
6-7 AM	513	0.0	145	0.0	1500	513	0	145	0.39	0	60.2	48.9	43.5	21.5	21.5
7-8 AM	764	0.0	216	0.0	1500	764	0	216	0.42	0	60.2	48.2	42.5	20.4	20.4
8-9 AM	1044	0.0	295	0.0	1500	1044	0	295	0.46	0	60.2	47.4	41.5	19.3	19.3
9-10 AM	1319	0.0	372	0.0	1499	1319	0	372	0.73	0	60.2	42.2	35.1	18.2	18.2
10-11 AM	1775	0.0	501	0.0	1499	1775	0	501	4.33	114	60.2	17.1	30.8	16.3	16.3
11A-NOON	2050	0.0	579	0.0	1500	2003	46	625	20.36	531	60.2	6.5	30.8	15.2	15.6
NOON-1PM	2115	0.0	597	0.0	1500	1668	447	1045	34.49	884	60.2	5.1	30.8	14.9	12.2
1-2 PM	1986	0.0	561	0.0	1500	1446	539	1100	35.62	913	60.2	5.0	30.8	15.4	12.0
2-3 PM	2114	0.0	597	0.0	1500	1577	537	1135	36.37	933	60.2	5.0	30.8	14.9	11.8
3-4 PM	2128	0.0	601	0.0	1500	1512	615	1216	38.27	983	60.2	4.9	30.8	14.8	11.4
4-5 PM	1949	0.0	550	0.0	1500	1380	569	1119	36.05	925	60.2	5.0	30.8	15.6	11.9
5-6 PM	1716	0.0	484	0.0	1500	1344	372	856	30.74	785	60.2	5.3	30.8	16.5	13.4
6-7 PM	1453	0.0	410	0.0	1499	1282	171	581	23.28	590	60.2	6.0	30.8	17.6	16.5
7-8 PM	1239	0.0	349	0.0	1499	1239	0	349	14.53	365	60.2	7.6	30.8	18.5	19.3
8-9 PM	1166	0.0	330	0.0	1499	1166	0	330	2.20	80	60.2	26.3	36.5	18.8	18.8
9-10 PM	1063	0.0	300	0.0	1500	1063	0	300	0.46	0	60.2	47.4	41.5	19.3	19.3
10-11 PM	858	0.0	243	0.0	1500	858	0	243	0.43	0	60.2	47.9	42.2	20.1	20.1
11PM-MID	624	0.0	176	0.0	1500	624	0	176	0.41	0	60.2	48.6	43.0	21.1	21.1

----- 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	0.0074
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.0798

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$166,108
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
SATURDAY EASTBOUND DIRECTION

