

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

OCTOBER

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY PRIMARY 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	281	0.0	80	0.0	1500	281	0	80	0.36	0	60.2	49.6	44.3	22.4	22.4
1-2 AM	166	0.0	47	0.0	1500	166	0	47	0.35	0	60.2	49.9	44.8	22.9	22.9
2-3 AM	143	0.0	41	0.0	1500	143	0	41	0.35	0	60.2	50.1	44.9	23.0	23.0
3-4 AM	127	0.0	36	0.0	1500	127	0	36	0.34	0	60.2	50.1	45.0	23.1	23.1
4-5 AM	224	0.0	63	0.0	1500	224	0	63	0.36	0	60.2	49.8	44.6	22.7	22.7
5-6 AM	422	0.0	119	0.0	1500	422	0	119	0.38	0	60.2	49.2	43.8	21.9	21.9
6-7 AM	731	0.0	206	0.0	1500	731	0	206	0.42	0	60.2	48.3	42.7	20.6	20.6
7-8 AM	1101	0.0	311	0.0	1499	1101	0	311	0.52	0	60.2	46.0	39.7	19.1	19.1
8-9 AM	1689	0.0	477	0.0	1499	1689	0	477	2.84	66	60.2	22.5	30.8	16.6	16.6
9-10 AM	2016	0.0	569	0.0	1500	2001	15	584	16.34	430	60.2	7.3	30.8	15.3	16.0
10-11 AM	2183	0.0	616	0.0	1499	1801	383	999	33.68	864	60.2	5.2	30.8	14.6	12.5
11A-NOON	2371	0.0	670	0.0	1499	1680	691	1361	42.20	1087	60.2	4.7	30.8	13.8	10.6
NOON-1PM	2397	0.0	677	0.0	1499	1551	846	1523+	46.75	1206	60.2	4.6	30.8	13.7	9.9
1-2 PM	2261	0.0	638	0.0	1499	1416	845	1483+	45.78	1181	60.2	4.6	30.8	14.3	10.1
2-3 PM	2196	0.0	621	0.0	1499	1431	764	1385	42.90	1105	60.2	4.7	30.8	14.5	10.5
3-4 PM	2118	0.0	599	0.0	1499	1429	690	1288	40.13	1032	60.2	4.8	30.8	14.9	11.0
4-5 PM	2108	0.0	595	0.0	1499	1479	630	1225	38.50	989	60.2	4.9	30.8	14.9	11.3
5-6 PM	2062	0.0	582	0.0	1499	1460	602	1184	37.50	962	60.2	4.9	30.8	15.2	11.6
6-7 PM	1886	0.0	533	0.0	1499	1372	514	1047	34.53	884	60.2	5.1	30.8	15.8	12.2
7-8 PM	1416	0.0	400	0.0	1499	1168	248	648	25.12	641	60.2	5.8	30.8	17.8	15.6
8-9 PM	1161	0.0	328	0.0	1499	1161	0	328	12.49	323	60.2	8.4	32.0	18.8	19.4
9-10 PM	936	0.0	265	0.0	1500	936	0	265	0.81	19	60.2	40.8	41.7	19.7	19.7
10-11 PM	668	0.0	188	0.0	1500	668	0	188	0.41	0	60.2	48.5	42.8	20.9	20.9
11PM-MID	461	0.0	130	0.0	1500	461	0	130	0.39	0	60.2	49.1	43.7	21.7	21.7

+ 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	0.0084
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.1084

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$274,387
CONGESTED HOURS PER DAY*	11

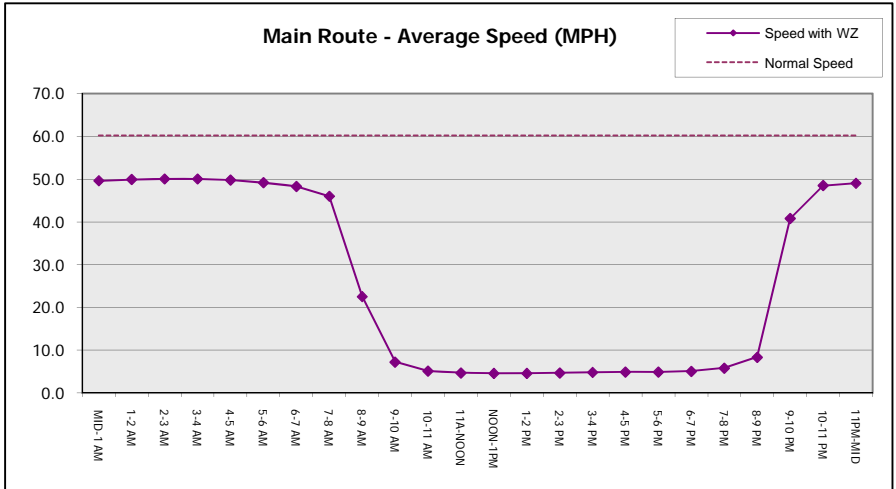
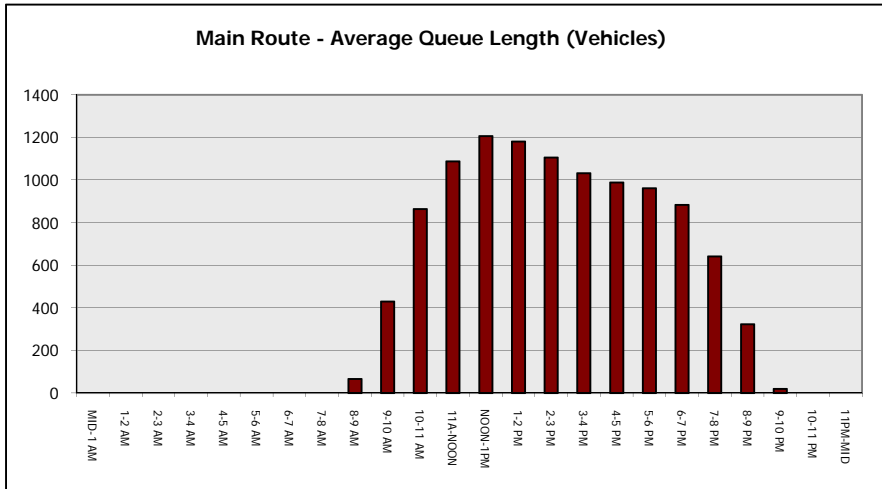
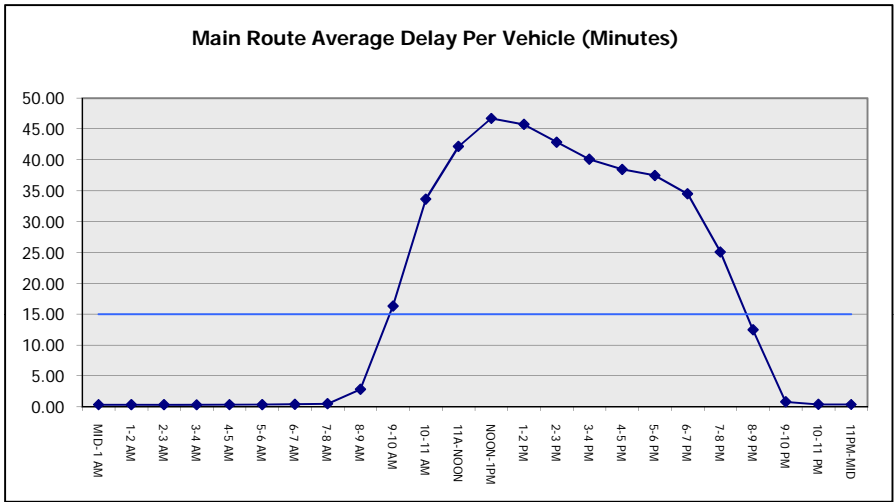
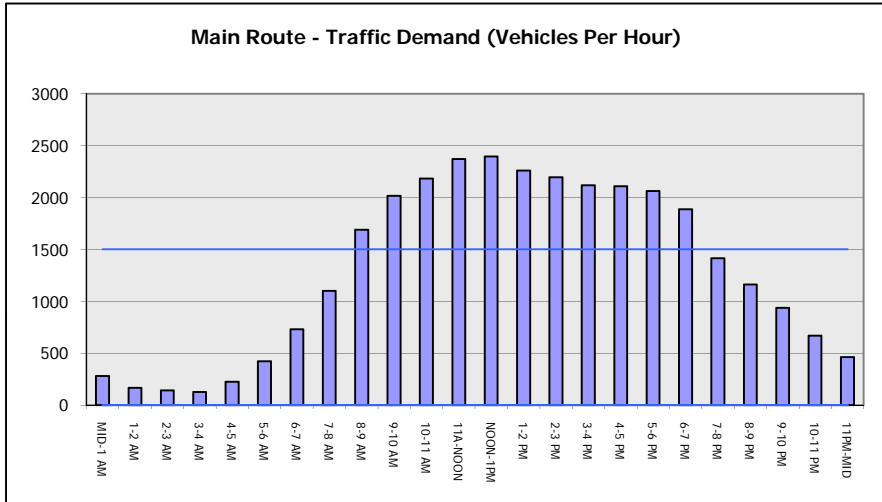
*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY PRIMARY DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 32, STH 57	OCTOBER
	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	459	0.0	130	0.0	1500	459	0	130	0.38	0	60.2	49.1	43.7	19.7	19.7
1-2 AM	248	0.0	70	0.0	1500	248	0	70	0.36	0	60.2	49.7	44.5	21.5	21.5
2-3 AM	236	0.0	67	0.0	1500	236	0	67	0.36	0	60.2	49.7	44.5	21.6	21.6
3-4 AM	327	0.0	92	0.0	1500	327	0	92	0.37	0	60.2	49.5	44.2	20.9	20.9
4-5 AM	323	0.0	91	0.0	1500	323	0	91	0.37	0	60.2	49.5	44.2	20.9	20.9
5-6 AM	392	0.0	111	0.0	1500	392	0	111	0.38	0	60.2	49.3	43.9	20.3	20.3
6-7 AM	465	0.0	131	0.0	1500	465	0	131	0.39	0	60.2	49.1	43.7	19.7	19.7
7-8 AM	658	0.0	186	0.0	1500	658	0	186	0.41	0	60.2	48.5	42.9	18.1	18.1
8-9 AM	1094	0.0	309	0.0	1500	1094	0	309	0.46	0	60.2	47.3	41.4	14.5	14.5
9-10 AM	1296	0.0	366	0.0	1499	1296	0	366	0.69	0	60.2	42.8	35.9	12.8	12.8
10-11 AM	2011	0.0	568	0.0	1499	2011	0	568	7.80	228	60.2	11.7	30.8	9.8	10.1
11A-NOON	2171	0.0	613	0.0	1500	2167	4	617	32.39	843	60.2	5.3	30.8	9.3	10.9
NOON-1PM	2067	0.0	584	0.0	1499	1735	331	915+	51.43	1330	60.2	4.5	30.8	9.7	9.3
1-2 PM	1986	0.0	561	0.0	1499	1497	489	1050+	53.71	1390	60.2	4.4	30.8	9.9	9.1
2-3 PM	2039	0.0	576	0.0	1499	1498	542	1117+	53.73	1390	60.2	4.4	30.8	9.7	9.1
3-4 PM	2026	0.0	572	0.0	1499	1498	529	1101+	53.72	1390	60.2	4.4	30.8	9.8	9.1
4-5 PM	1991	0.0	562	0.0	1499	1498	493	1055+	53.71	1390	60.2	4.4	30.8	9.9	9.1
5-6 PM	1951	0.0	551	0.0	1499	1498	453	1005+	53.70	1389	60.2	4.4	30.8	10.1	9.1
6-7 PM	1928	0.0	544	0.0	1499	1486	442	986+	53.59	1386	60.2	4.4	30.8	10.1	9.1
7-8 PM	1457	0.0	411	0.0	1499	1113	344	755+	46.55	1203	60.2	4.6	30.8	11.7	10.0
8-9 PM	1251	0.0	354	0.0	1499	1148	103	457	31.73	814	60.2	5.3	30.8	13.2	13.1
9-10 PM	1214	0.0	343	0.0	1499	1214	0	343	20.38	517	60.2	6.4	30.8	13.5	14.5
10-11 PM	878	0.0	248	0.0	1499	878	0	248	2.13	114	60.2	27.3	40.1	16.3	16.4
11PM-MID	803	0.0	227	0.0	1500	803	0	227	0.43	0	60.2	48.1	42.4	16.9	16.9

+ 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	0.0079
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0866

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$301,474
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

