

STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 32, STH 57	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	141	0.0	40	0.0	1500	141	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
1-2 AM	138	0.0	39	0.0	1500	138	0	39	0.35	0	60.2	50.1	45.0	23.0	23.0
2-3 AM	161	0.0	45	0.0	1500	161	0	45	0.35	0	60.2	50.0	44.8	22.9	22.9
3-4 AM	152	0.0	43	0.0	1500	152	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
4-5 AM	439	0.0	125	0.0	1500	439	0	125	0.38	0	60.2	49.1	43.7	21.8	21.8
5-6 AM	1294	0.0	365	0.0	1499	1294	0	365	0.97	11	60.2	38.4	36.2	18.3	18.3
6-7 AM	2796	0.0	790	0.0	1500	2707	89	879	19.49	599	60.2	7.1	30.8	12.1	13.2
7-8 AM	4047	0.0	1143	0.0	1500	1500	2547	3690+	55.79	1445	60.2	4.3	30.8	9.9	8.8
8-9 AM	2585	0.0	730	0.0	1500	1567	1018	1748+	52.85	1367	60.2	4.4	30.8	13.0	9.1
9-10 AM	2116	0.0	597	0.0	1500	1228	888	1486+	45.59	1177	60.2	4.6	30.8	14.9	10.1
10-11 AM	2124	0.0	600	0.0	1500	1457	666	1266	39.54	1016	60.2	4.8	30.8	14.8	11.1
11A-NOON	2237	0.0	632	0.0	1500	1577	660	1292	40.22	1034	60.2	4.8	30.8	14.4	11.0
NOON-1PM	2492	0.0	703	0.0	1500	1697	795	1498+	46.01	1187	60.2	4.6	30.8	13.4	10.0
1-2 PM	2489	0.0	703	0.0	1500	1538	950	1654+	50.11	1295	60.2	4.5	30.8	13.4	9.4
2-3 PM	2629	0.0	742	0.0	1500	1606	1022	1764+	52.88	1368	60.2	4.4	30.8	12.8	9.1
3-4 PM	2825	0.0	797	0.0	1500	1508	1316	2114+	54.59	1413	60.2	4.3	30.8	12.0	8.9
4-5 PM	3234	0.0	913	0.0	1500	1500	1734	2648+	55.79	1445	60.2	4.3	30.8	11.2	8.8
5-6 PM	2944	0.0	832	0.0	1500	1468	1477	2308+	55.15	1428	60.2	4.3	30.8	11.7	8.9
6-7 PM	2131	0.0	602	0.0	1500	1153	978	1579+	48.27	1248	60.2	4.5	30.8	14.8	9.7
7-8 PM	1561	0.0	441	0.0	1500	1062	500	940	31.95	822	60.2	5.3	30.8	17.2	13.0
8-9 PM	1179	0.0	333	0.0	1499	1122	57	390	16.63	427	60.2	7.1	31.2	18.8	18.8
9-10 PM	908	0.0	256	0.0	1500	908	0	256	1.29	51	60.2	34.3	41.3	19.9	19.9
10-11 PM	700	0.0	198	0.0	1500	700	0	198	0.41	0	60.2	48.4	42.8	20.7	20.7
11PM-MID	445	0.0	126	0.0	1500	445	0	126	0.38	0	60.2	49.1	43.7	21.8	21.8

+ 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	0.0113
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.1912

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$452,721
CONGESTED HOURS PER DAY*	15

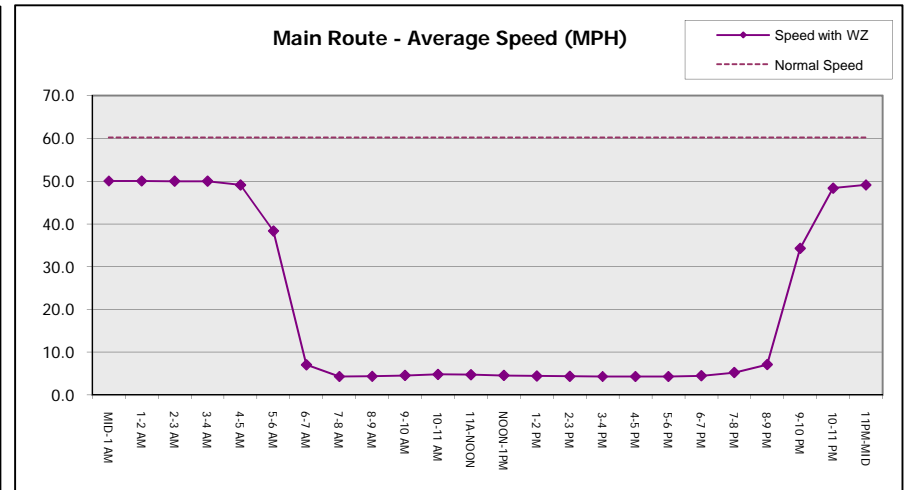
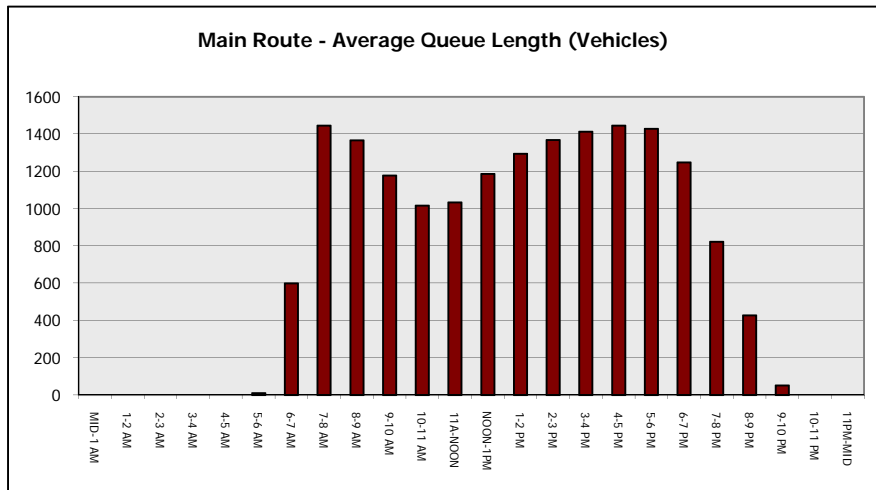
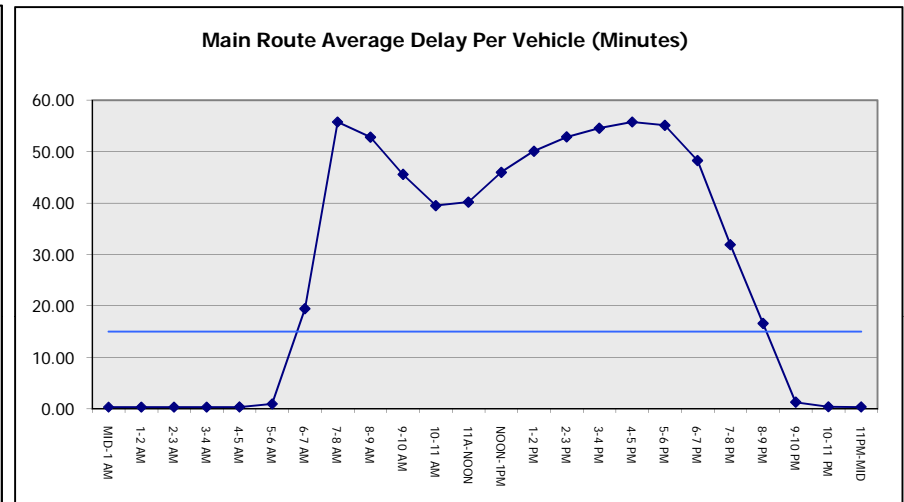
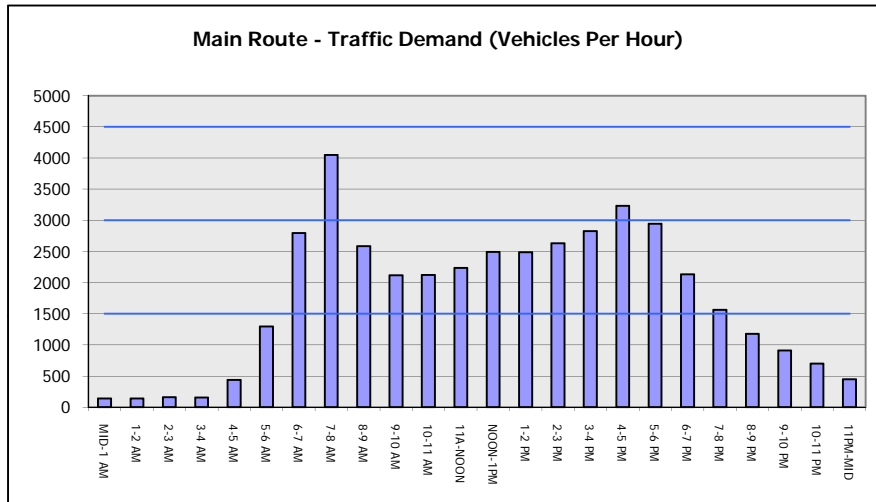
*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 32, STH 57	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	295	0.0	84	0.0	1500	295	0	84	0.36	0	60.2	49.6	44.3	22.4	22.4
1-2 AM	159	0.0	45	0.0	1500	159	0	45	0.35	0	60.2	50.0	44.8	22.9	22.9
2-3 AM	210	0.0	60	0.0	1500	210	0	60	0.35	0	60.2	49.8	44.6	22.7	22.7
3-4 AM	173	0.0	49	0.0	1500	173	0	49	0.35	0	60.2	49.9	44.8	22.9	22.9
4-5 AM	253	0.0	71	0.0	1500	253	0	71	0.36	0	60.2	49.7	44.5	22.5	22.5
5-6 AM	559	0.0	158	0.0	1500	559	0	158	0.40	0	60.2	48.8	43.3	21.3	21.3
6-7 AM	1436	0.0	405	0.0	1499	1436	0	405	1.20	15	60.2	35.2	33.8	17.7	17.7
7-8 AM	2043	0.0	577	0.0	1500	2043	0	577	11.45	318	60.2	9.0	30.8	15.2	15.7
8-9 AM	1887	0.0	533	0.0	1499	1669	218	751	28.13	717	60.2	5.5	30.8	15.8	14.3
9-10 AM	1645	0.0	465	0.0	1500	1372	273	737	27.65	703	60.2	5.5	30.8	16.8	14.4
10-11 AM	1767	0.0	499	0.0	1500	1576	191	690	26.13	663	60.2	5.7	30.8	16.3	15.0
11A-NOON	2295	0.0	648	0.0	1500	1853	442	1090	35.55	914	60.2	5.0	30.8	14.2	12.0
NOON-1PM	2321	0.0	656	0.0	1499	1585	737	1393	43.13	1111	60.2	4.7	30.8	14.0	10.5
1-2 PM	2573	0.0	726	0.0	1499	1702	871	1597+	48.64	1257	60.2	4.5	30.8	13.0	9.7
2-3 PM	2837	0.0	800	0.0	1499	1566	1271	2071+	54.51	1411	60.2	4.3	30.8	11.9	9.0
3-4 PM	3618	0.0	1021	0.0	1499	1500	2118	3139+	55.79	1445	60.2	4.3	30.8	10.6	8.8
4-5 PM	4234	0.0	1195	0.0	1499	1500	2734	3929+	55.79	1445	60.2	4.3	30.8	9.6	8.8
5-6 PM	3612	0.0	1020	0.0	1499	1500	2112	3132+	55.79	1445	60.2	4.3	30.8	10.6	8.8
6-7 PM	2363	0.0	668	0.0	1499	1252	1111	1778+	51.79	1340	60.2	4.5	30.8	13.8	9.3
7-8 PM	1739	0.0	491	0.0	1499	1079	660	1151	36.99	953	60.2	5.0	30.8	16.5	11.7
8-9 PM	1637	0.0	462	0.0	1499	1368	268	731	27.43	698	60.2	5.6	30.8	16.9	14.5
9-10 PM	1335	0.0	377	0.0	1499	1260	75	451	20.04	506	60.2	6.5	30.8	18.1	18.2
10-11 PM	987	0.0	278	0.0	1499	987	0	278	3.55	165	60.2	20.4	37.3	19.6	19.7
11PM-MID	629	0.0	178	0.0	1500	629	0	178	0.41	0	60.2	48.6	43.0	21.0	21.0

+ 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	0.0110
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.1772

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$399,417
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**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

