

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

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	135	0.0	39	0.0	1500	135	0	39	0.35	0	60.2	50.1	45.0	23.0	23.0
1-2 AM	88	0.0	25	0.0	1500	88	0	25	0.34	0	60.2	50.2	45.1	23.2	23.2
2-3 AM	109	0.0	30	0.0	1500	109	0	30	0.34	0	60.2	50.1	45.1	23.2	23.2
3-4 AM	142	0.0	40	0.0	1500	142	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
4-5 AM	429	0.0	121	0.0	1500	429	0	121	0.38	0	60.2	49.2	43.8	21.9	21.9
5-6 AM	1393	0.0	393	0.0	1499	1393	0	393	1.27	27	60.2	34.4	36.1	17.9	17.9
6-7 AM	3049	0.0	861	0.0	1500	2828	221	1082	25.54	746	60.2	6.1	30.8	11.5	12.1
7-8 AM	4297	0.0	1214	0.0	1500	1500	2797	4010+	55.80	1445	60.2	4.3	30.8	9.5	8.8
8-9 AM	2547	0.0	719	0.0	1500	1313	1234	1953+	53.10	1374	60.2	4.4	30.8	13.1	9.1
9-10 AM	1935	0.0	546	0.0	1500	1148	786	1333	41.53	1071	60.2	4.8	30.8	15.6	10.8
10-11 AM	1890	0.0	534	0.0	1500	1432	458	991	33.42	855	60.2	5.2	30.8	15.8	12.5
11A-NOON	1957	0.0	552	0.0	1500	1534	423	975	33.11	847	60.2	5.2	30.8	15.5	12.6
NOON-1PM	2022	0.0	571	0.0	1500	1542	480	1051	34.59	886	60.2	5.1	30.8	15.3	12.2
1-2 PM	2075	0.0	586	0.0	1500	1545	530	1116	35.97	922	60.2	5.0	30.8	15.1	11.9
2-3 PM	2312	0.0	653	0.0	1500	1679	634	1287	40.11	1032	60.2	4.8	30.8	14.1	11.0
3-4 PM	2673	0.0	754	0.0	1500	1801	873	1627+	49.48	1280	60.2	4.5	30.8	12.6	9.6
4-5 PM	2982	0.0	842	0.0	1500	1500	1482	2324+	55.17	1428	60.2	4.3	30.8	11.6	8.9
5-6 PM	2733	0.0	771	0.0	1500	1453	1280	2051+	54.46	1410	60.2	4.3	30.8	12.4	9.0
6-7 PM	1864	0.0	526	0.0	1500	967	897	1423	43.68	1131	60.2	4.7	30.8	16.0	10.4
7-8 PM	1232	0.0	347	0.0	1500	1006	225	573	22.94	593	60.2	6.1	30.8	18.6	16.6
8-9 PM	941	0.0	266	0.0	1499	941	0	266	2.48	126	60.2	25.0	38.8	19.7	19.9
9-10 PM	707	0.0	200	0.0	1500	707	0	200	0.42	0	60.2	48.4	42.7	20.7	20.7
10-11 PM	494	0.0	139	0.0	1500	494	0	139	0.39	0	60.2	49.0	43.5	21.5	21.5
11PM-MID	246	0.0	69	0.0	1500	246	0	69	0.36	0	60.2	49.7	44.5	22.6	22.6

+ 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	0.0104
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.1669

PIA: Personal Injury Accidents

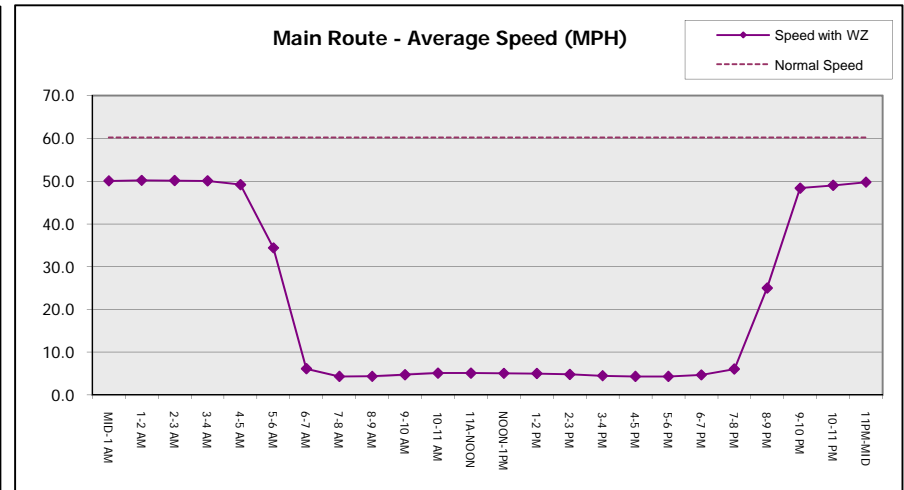
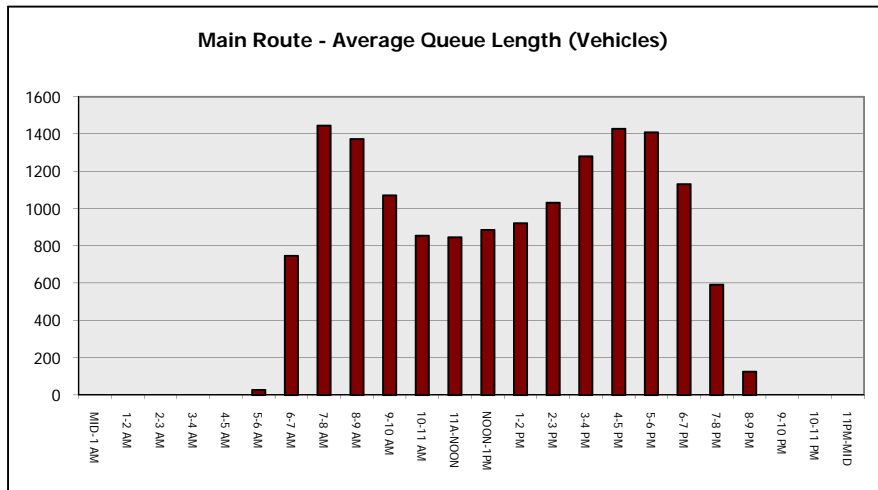
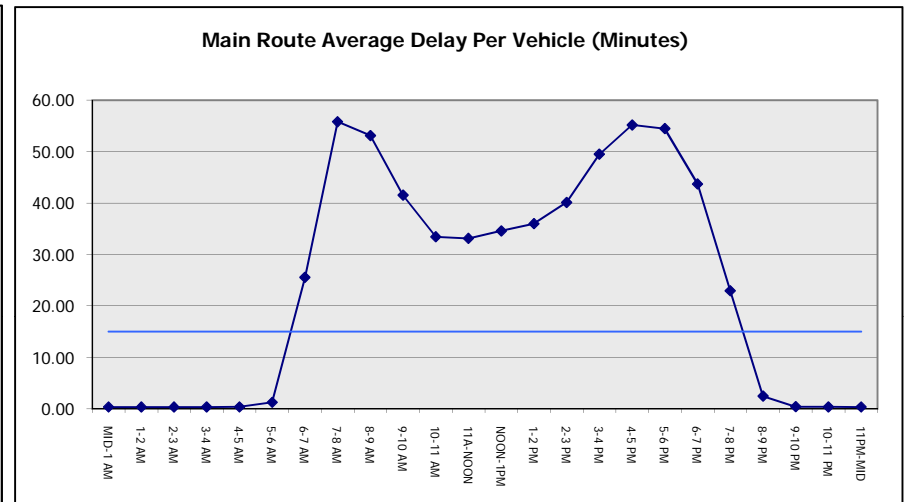
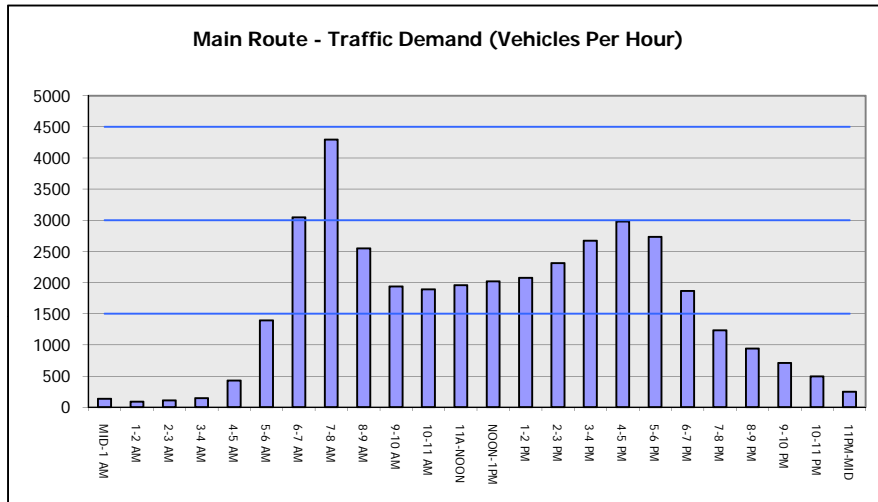
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$367,175
CONGESTED HOURS PER DAY*	14

*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
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	MAY
	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						
	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	226	0.0	64	0.0	1500	226	0	64	0.36	0	60.2	49.7	44.6	22.7	22.7
1-2 AM	153	0.0	43	0.0	1500	153	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
2-3 AM	129	0.0	37	0.0	1500	129	0	37	0.34	0	60.2	50.1	45.0	23.0	23.0
3-4 AM	129	0.0	37	0.0	1500	129	0	37	0.34	0	60.2	50.1	45.0	23.0	23.0
4-5 AM	262	0.0	74	0.0	1500	262	0	74	0.36	0	60.2	49.7	44.5	22.5	22.5
5-6 AM	638	0.0	180	0.0	1500	638	0	180	0.41	0	60.2	48.6	43.0	21.0	21.0
6-7 AM	1524	0.0	430	0.0	1499	1524	0	430	1.52	26	60.2	31.8	32.6	17.3	17.3
7-8 AM	2122	0.0	600	0.0	1500	2110	13	612	14.72	404	60.2	7.8	30.8	14.8	15.5
8-9 AM	1837	0.0	519	0.0	1499	1552	285	804	29.91	762	60.2	5.4	30.8	16.0	13.6
9-10 AM	1668	0.0	471	0.0	1499	1391	276	747	27.98	712	60.2	5.5	30.8	16.8	14.3
10-11 AM	1652	0.0	467	0.0	1500	1470	182	648	24.91	631	60.2	5.8	30.8	16.8	15.6
11A-NOON	1908	0.0	539	0.0	1500	1690	219	757	28.32	722	60.2	5.5	30.8	15.8	14.2
NOON-1PM	2037	0.0	575	0.0	1500	1598	440	1015	33.88	867	60.2	5.1	30.8	15.2	12.4
1-2 PM	2185	0.0	617	0.0	1500	1614	571	1188	37.62	966	60.2	4.9	30.8	14.6	11.5
2-3 PM	2487	0.0	702	0.0	1500	1764	722	1424	43.91	1133	60.2	4.7	30.8	13.4	10.4
3-4 PM	3455	0.0	975	0.0	1500	1573	1882	2857+	55.10	1427	60.2	4.3	30.8	10.9	8.9
4-5 PM	4330	0.0	1222	0.0	1500	1500	2830	4052+	55.80	1445	60.2	4.3	30.8	9.4	8.8
5-6 PM	3865	0.0	1091	0.0	1500	1500	2364	3456+	55.80	1445	60.2	4.3	30.8	10.2	8.8
6-7 PM	2452	0.0	693	0.0	1500	1356	1096	1788+	52.54	1359	60.2	4.4	30.8	13.5	9.2
7-8 PM	1652	0.0	467	0.0	1500	984	668	1135	36.75	949	60.2	5.0	30.8	16.8	11.8
8-9 PM	1492	0.0	422	0.0	1499	1304	188	610	23.97	608	60.2	5.9	30.8	17.5	16.1
9-10 PM	1159	0.0	328	0.0	1499	1157	1	329	14.06	363	60.2	7.8	32.0	18.8	19.5
10-11 PM	720	0.0	203	0.0	1500	720	0	203	0.75	20	60.2	41.7	42.6	20.6	20.6
11PM-MID	468	0.0	132	0.0	1500	468	0	132	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	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	0.0104
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.1633

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$347,667
CONGESTED HOURS PER DAY*	13

*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
MON-THUR EASTBOUND DIRECTION

