

STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 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	OFF	201	0	56	0.00	0	60.2	60.2	60.2	22.8	22.8
1-2 AM	127	0.0	36	0.0	OFF	127	0	36	0.00	0	60.2	60.2	60.2	23.1	23.1
2-3 AM	118	0.0	33	0.0	OFF	118	0	33	0.00	0	60.2	60.2	60.2	23.1	23.1
3-4 AM	154	0.0	44	0.0	OFF	154	0	44	0.00	0	60.2	60.2	60.2	23.0	23.0
4-5 AM	444	0.0	126	0.0	OFF	444	0	126	0.00	0	60.2	60.2	60.2	21.8	21.8
5-6 AM	1445	0.0	408	0.0	OFF	1445	0	408	0.00	0	60.2	60.2	60.2	17.6	17.6
6-7 AM	2897	0.0	818	0.0	OFF	2897	0	818	0.00	0	60.2	60.2	60.2	11.7	11.7
7-8 AM	3942	0.0	1113	0.0	OFF	3942	0	1113	0.00	0	60.2	60.2	60.2	10.1	10.1
8-9 AM	2482	0.0	701	0.0	OFF	2482	0	701	0.00	0	60.2	60.2	60.2	13.4	13.4
9-10 AM	2084	0.0	588	0.0	OFF	2084	0	588	0.00	0	60.2	60.2	60.2	15.0	15.0
10-11 AM	2152	0.0	608	0.0	1499	2152	0	608	11.13	319	60.2	9.3	30.8	14.7	15.3
11A-NOON	2307	0.0	652	0.0	1499	1908	399	1051	34.81	896	60.2	5.1	30.8	14.1	12.2
NOON-1PM	2377	0.0	672	0.0	1499	1631	746	1418	43.94	1132	60.2	4.7	30.8	13.8	10.3
1-2 PM	2364	0.0	668	0.0	1499	1520	844	1511+	46.48	1199	60.2	4.6	30.8	13.8	9.9
2-3 PM	2468	0.0	697	0.0	1499	1576	891	1588+	48.37	1249	60.2	4.5	30.8	13.5	9.7
3-4 PM	2542	0.0	718	0.0	OFF	2542	0	718	2.40	239	60.2	25.0	25.0	13.2	13.2
4-5 PM	2839	0.0	801	0.0	OFF	2839	0	801	0.00	0	60.2	60.2	60.2	11.9	11.9
5-6 PM	2912	0.0	822	0.0	OFF	2912	0	822	0.00	0	60.2	60.2	60.2	11.7	11.7
6-7 PM	1973	0.0	558	0.0	OFF	1973	0	558	0.00	0	60.2	60.2	60.2	15.5	15.5
7-8 PM	1375	0.0	388	0.0	OFF	1375	0	388	0.00	0	60.2	60.2	60.2	17.9	17.9
8-9 PM	1104	0.0	312	0.0	OFF	1104	0	312	0.00	0	60.2	60.2	60.2	19.1	19.1
9-10 PM	831	0.0	234	0.0	OFF	831	0	234	0.00	0	60.2	60.2	60.2	20.2	20.2
10-11 PM	584	0.0	165	0.0	OFF	584	0	165	0.00	0	60.2	60.2	60.2	21.2	21.2
11PM-MID	352	0.0	99	0.0	OFF	352	0	99	0.00	0	60.2	60.2	60.2	22.2	22.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0095
DIVERSION	0.1025

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$101,180
CONGESTED HOURS PER DAY*	4

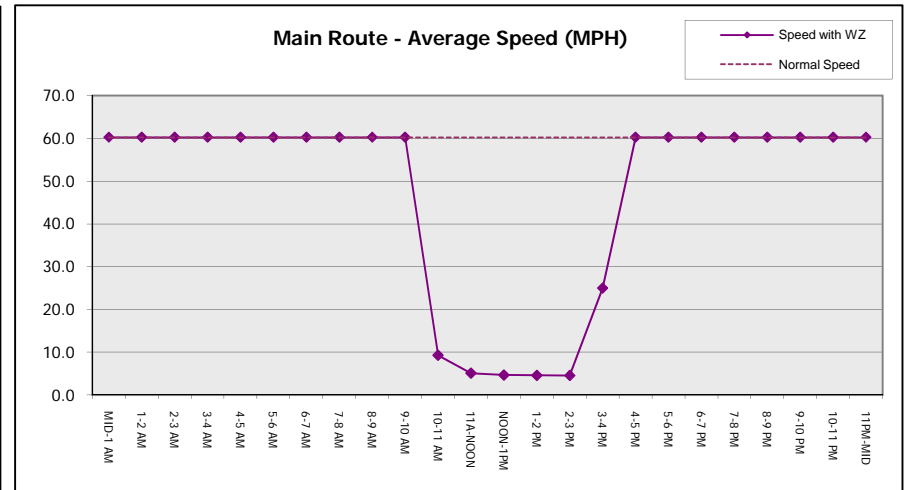
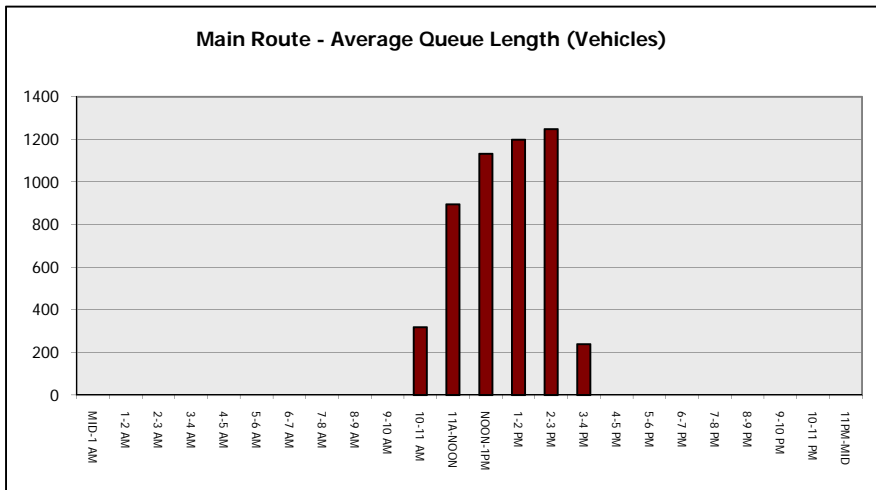
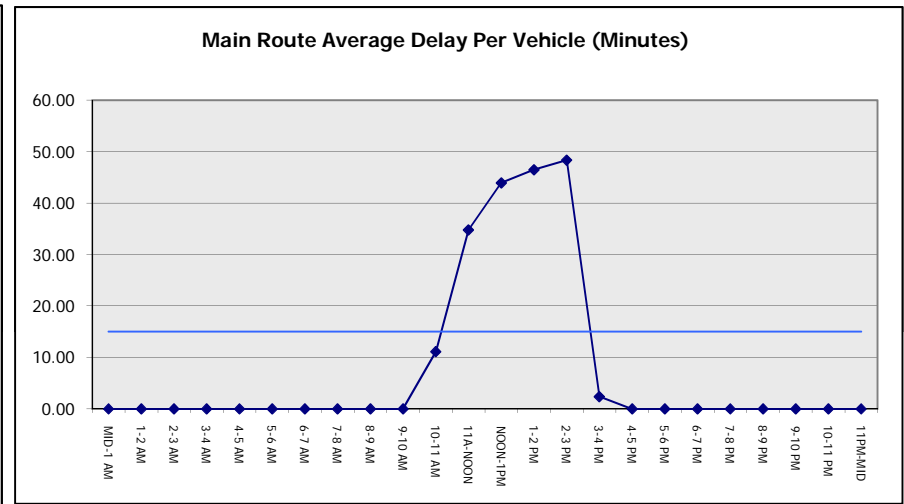
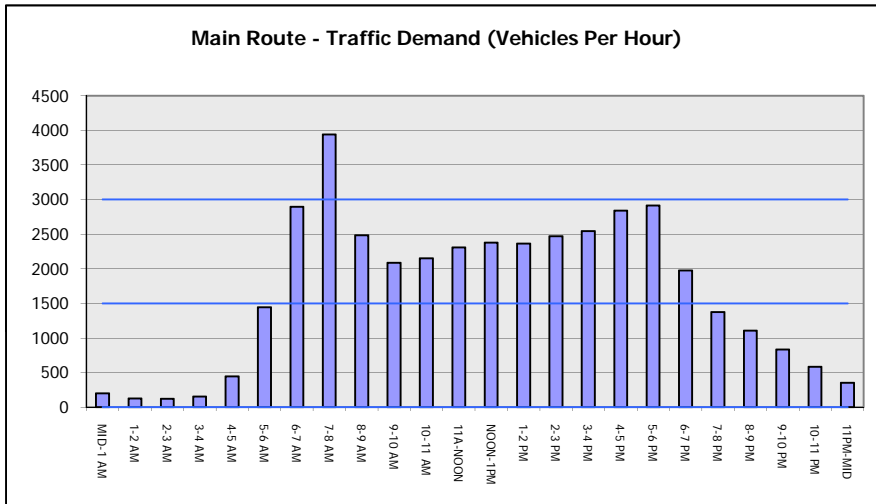
*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
OFF-PEAK DAY 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 WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 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							
	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	267	0.0	75	0.0	OFF	267	0	75	0.00	0	60.2	60.2	60.2	22.5	22.5	
1-2 AM	171	0.0	48	0.0	OFF	171	0	48	0.00	0	60.2	60.2	60.2	22.9	22.9	
2-3 AM	162	0.0	46	0.0	OFF	162	0	46	0.00	0	60.2	60.2	60.2	22.9	22.9	
3-4 AM	156	0.0	44	0.0	OFF	156	0	44	0.00	0	60.2	60.2	60.2	23.0	23.0	
4-5 AM	263	0.0	74	0.0	OFF	263	0	74	0.00	0	60.2	60.2	60.2	22.5	22.5	
5-6 AM	676	0.0	190	0.0	OFF	676	0	190	0.00	0	60.2	60.2	60.2	20.8	20.8	
6-7 AM	1486	0.0	420	0.0	OFF	1486	0	420	0.00	0	60.2	60.2	60.2	17.5	17.5	
7-8 AM	2044	0.0	578	0.0	OFF	2044	0	578	0.00	0	60.2	60.2	60.2	15.2	15.2	
8-9 AM	1801	0.0	508	0.0	OFF	1801	0	508	0.00	0	60.2	60.2	60.2	16.2	16.2	
9-10 AM	1759	0.0	497	0.0	OFF	1759	0	497	0.00	0	60.2	60.2	60.2	16.3	16.3	
10-11 AM	1883	0.0	531	0.0	1499	1883	0	531	6.54	180	60.2	13.0	30.8	15.8	16.0	
11A-NOON	2105	0.0	594	0.0	1500	1994	112	706	25.00	647	60.2	5.8	30.8	15.0	14.9	
NOON-1PM	2281	0.0	643	0.0	1500	1703	578	1222	38.45	988	60.2	4.9	30.8	14.2	11.4	
1-2 PM	2322	0.0	656	0.0	1500	1586	736	1392	43.12	1111	60.2	4.7	30.8	14.0	10.5	
2-3 PM	2737	0.0	773	0.0	1500	1823	915	1688+	50.75	1313	60.2	4.5	30.8	12.4	9.4	
3-4 PM	3431	0.0	969	0.0	OFF	3431	0	969	4.40	431	60.2	16.8	16.8	10.9	10.9	
4-5 PM	4375	0.0	1236	0.0	OFF	4375	0	1236	0.00	0	60.2	60.2	60.2	9.4	9.4	
5-6 PM	3913	0.0	1105	0.0	OFF	3913	0	1105	0.00	0	60.2	60.2	60.2	10.1	10.1	
6-7 PM	2397	0.0	677	0.0	OFF	2397	0	677	0.00	0	60.2	60.2	60.2	13.7	13.7	
7-8 PM	1692	0.0	478	0.0	OFF	1692	0	478	0.00	0	60.2	60.2	60.2	16.6	16.6	
8-9 PM	1536	0.0	433	0.0	OFF	1536	0	433	0.00	0	60.2	60.2	60.2	17.3	17.3	
9-10 PM	1234	0.0	348	0.0	OFF	1234	0	348	0.00	0	60.2	60.2	60.2	18.5	18.5	
10-11 PM	865	0.0	244	0.0	OFF	865	0	244	0.00	0	60.2	60.2	60.2	20.1	20.1	
11PM-MID	532	0.0	151	0.0	OFF	532	0	151	0.00	0	60.2	60.2	60.2	21.4	21.4	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0096
DIVERSION	0.0986

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$92,683
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
 OFF-PEAK DAY 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

