

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

SUNDAY 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	301	0.0	85	0.0	OFF	301	0	85	0.00	0	60.2	60.2	60.2	22.4	22.4
1-2 AM	150	0.0	43	0.0	OFF	150	0	43	0.00	0	60.2	60.2	60.2	23.0	23.0
2-3 AM	122	0.0	35	0.0	OFF	122	0	35	0.00	0	60.2	60.2	60.2	23.1	23.1
3-4 AM	98	0.0	28	0.0	OFF	98	0	28	0.00	0	60.2	60.2	60.2	23.2	23.2
4-5 AM	141	0.0	40	0.0	OFF	141	0	40	0.00	0	60.2	60.2	60.2	23.0	23.0
5-6 AM	303	0.0	86	0.0	OFF	303	0	86	0.00	0	60.2	60.2	60.2	22.4	22.4
6-7 AM	381	0.0	108	0.0	OFF	381	0	108	0.00	0	60.2	60.2	60.2	22.0	22.0
7-8 AM	515	0.0	145	0.0	OFF	515	0	145	0.00	0	60.2	60.2	60.2	21.5	21.5
8-9 AM	803	0.0	227	0.0	OFF	803	0	227	0.00	0	60.2	60.2	60.2	20.3	20.3
9-10 AM	1207	0.0	341	0.0	1499	1207	0	341	0.60	0	60.2	44.6	38.0	18.6	18.6
10-11 AM	1793	0.0	506	0.0	1499	1793	0	506	4.63	124	60.2	16.4	30.8	16.2	16.3
11A-NOON	1920	0.0	542	0.0	1499	1897	23	565	18.87	485	60.2	6.7	30.8	15.7	16.4
NOON-1PM	2282	0.0	644	0.0	1499	1856	425	1070	35.14	904	60.2	5.0	30.8	14.2	12.2
1-2 PM	2061	0.0	582	0.0	1499	1400	661	1242	38.94	1001	60.2	4.8	30.8	15.2	11.2
2-3 PM	1930	0.0	545	0.0	1499	1405	525	1070	35.00	897	60.2	5.0	30.8	15.6	12.1
3-4 PM	1826	0.0	516	0.0	1499	1437	390	906	31.85	814	60.2	5.2	30.8	16.1	13.0
4-5 PM	1845	0.0	521	0.0	1499	1506	338	859	31.06	792	60.2	5.3	30.8	16.0	13.2
5-6 PM	1794	0.0	506	0.0	1499	1458	335	842	30.78	785	60.2	5.3	30.8	16.2	13.3
6-7 PM	1382	0.0	390	0.0	1499	1192	190	580	23.24	592	60.2	6.0	30.8	17.9	16.5
7-8 PM	1135	0.0	320	0.0	OFF	1135	0	320	0.20	20	60.2	53.8	53.8	18.9	18.9
8-9 PM	1031	0.0	291	0.0	OFF	1031	0	291	0.00	0	60.2	60.2	60.2	19.4	19.4
9-10 PM	583	0.0	165	0.0	OFF	583	0	165	0.00	0	60.2	60.2	60.2	21.2	21.2
10-11 PM	503	0.0	142	0.0	OFF	503	0	142	0.00	0	60.2	60.2	60.2	21.5	21.5
11PM-MID	275	0.0	77	0.0	OFF	275	0	77	0.00	0	60.2	60.2	60.2	22.5	22.5

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

----- 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	0.0066
MAIN ROUTE WITH WORKS	0.0048
DIVERSION	0.0706

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$147,599
CONGESTED HOURS PER DAY*	8

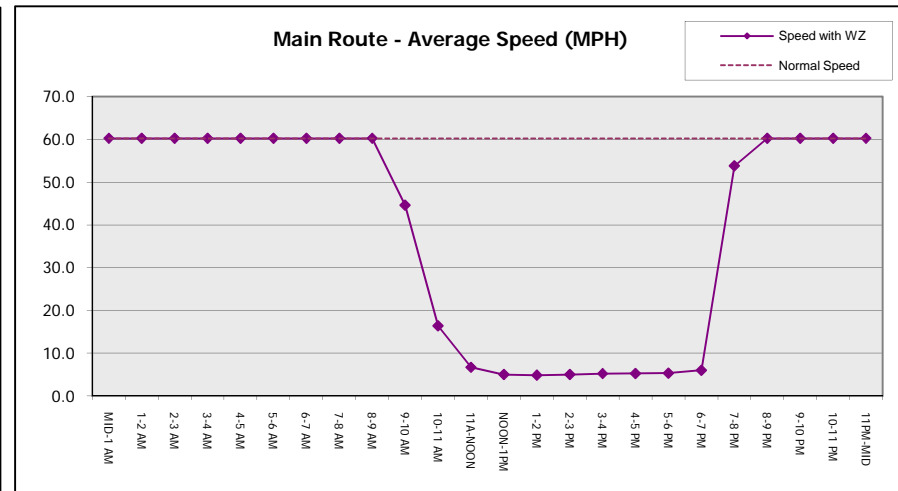
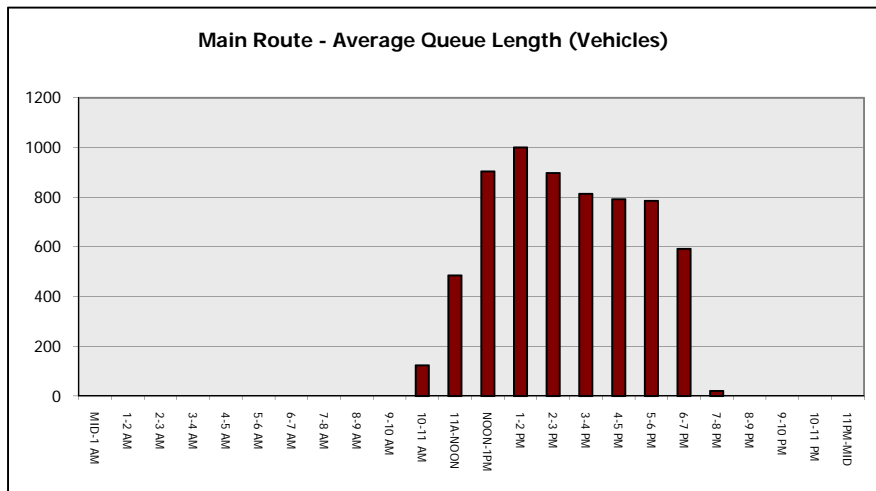
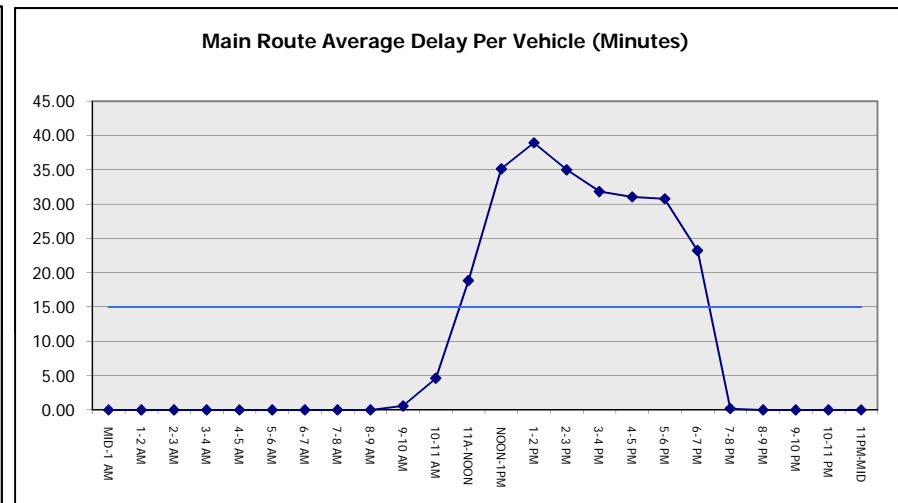
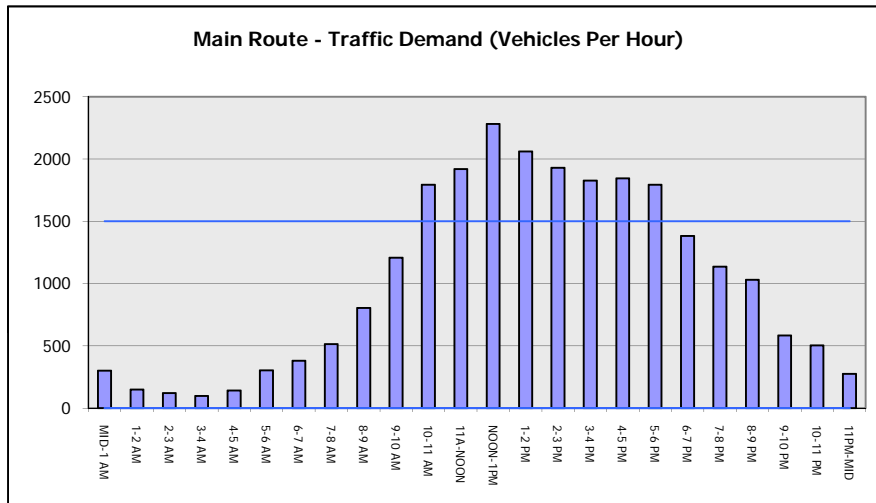
*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH							
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVERTING	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	414	0.0	117	0.0	OFF	414	0	117	0.00	0	60.2	60.2	60.2	21.9	21.9
1-2 AM	238	0.0	67	0.0	OFF	238	0	67	0.00	0	60.2	60.2	60.2	22.6	22.6
2-3 AM	228	0.0	65	0.0	OFF	228	0	65	0.00	0	60.2	60.2	60.2	22.7	22.7
3-4 AM	172	0.0	49	0.0	OFF	172	0	49	0.00	0	60.2	60.2	60.2	22.9	22.9
4-5 AM	116	0.0	32	0.0	OFF	116	0	32	0.00	0	60.2	60.2	60.2	23.1	23.1
5-6 AM	188	0.0	53	0.0	OFF	188	0	53	0.00	0	60.2	60.2	60.2	22.8	22.8
6-7 AM	301	0.0	85	0.0	OFF	301	0	85	0.00	0	60.2	60.2	60.2	22.4	22.4
7-8 AM	507	0.0	143	0.0	OFF	507	0	143	0.00	0	60.2	60.2	60.2	21.5	21.5
8-9 AM	707	0.0	200	0.0	OFF	707	0	200	0.00	0	60.2	60.2	60.2	20.7	20.7
9-10 AM	1025	0.0	290	0.0	1499	1025	0	290	0.46	0	60.2	47.4	41.4	19.4	19.4
10-11 AM	1536	0.0	433	0.0	1499	1536	0	433	1.43	17	60.2	32.7	31.5	17.3	17.3
11A-NOON	1839	0.0	519	0.0	1500	1839	0	519	8.36	218	60.2	10.9	30.8	16.0	16.3
NOON-1PM	2184	0.0	616	0.0	1500	2017	167	784	26.87	696	60.2	5.7	30.8	14.6	14.2
1-2 PM	2088	0.0	590	0.0	1500	1527	561	1151	36.74	943	60.2	5.0	30.8	15.0	11.7
2-3 PM	2147	0.0	606	0.0	1500	1550	597	1203	37.95	974	60.2	4.9	30.8	14.8	11.4
3-4 PM	2264	0.0	639	0.0	1500	1590	674	1313	40.81	1050	60.2	4.8	30.8	14.3	10.9
4-5 PM	2245	0.0	634	0.0	1500	1499	746	1380	42.75	1101	60.2	4.7	30.8	14.3	10.6
5-6 PM	2002	0.0	565	0.0	1500	1326	676	1241	38.94	1001	60.2	4.8	30.8	15.3	11.2
6-7 PM	1888	0.0	534	0.0	1500	1395	494	1027	34.14	874	60.2	5.1	30.8	15.8	12.4
7-8 PM	1412	0.0	399	0.0	OFF	1412	0	399	0.72	71	60.2	42.4	42.4	17.8	17.8
8-9 PM	1205	0.0	340	0.0	OFF	1205	0	340	0.00	0	60.2	60.2	60.2	18.6	18.6
9-10 PM	952	0.0	269	0.0	OFF	952	0	269	0.00	0	60.2	60.2	60.2	19.7	19.7
10-11 PM	585	0.0	165	0.0	OFF	585	0	165	0.00	0	60.2	60.2	60.2	21.2	21.2
11PM-MID	438	0.0	123	0.0	OFF	438	0	123	0.00	0	60.2	60.2	60.2	21.8	21.8

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

----- 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	0.0072
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.0826

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$175,626
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

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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
SUNDAY EASTBOUND DIRECTION

