

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
OFF-PEAK DAY 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	3000	1207	0	341	0.22	0	60.2	53.5	49.7	18.6	18.6
10-11 AM	1793	0.0	506	0.0	3000	1793	0	506	0.22	0	60.2	53.5	49.7	16.2	16.2
11A-NOON	1920	0.0	542	0.0	3000	1920	0	542	0.22	0	60.2	53.5	49.7	15.7	15.7
NOON-1PM	2282	0.0	644	0.0	3000	2282	0	644	0.22	0	60.2	53.5	49.7	14.2	14.2
1-2 PM	2061	0.0	582	0.0	3000	2061	0	582	0.22	0	60.2	53.5	49.7	15.2	15.2
2-3 PM	1930	0.0	545	0.0	3000	1930	0	545	0.22	0	60.2	53.5	49.7	15.6	15.6
3-4 PM	1826	0.0	516	0.0	3000	1826	0	516	0.22	0	60.2	53.5	49.7	16.1	16.1
4-5 PM	1845	0.0	521	0.0	3000	1845	0	521	0.22	0	60.2	53.5	49.7	16.0	16.0
5-6 PM	1794	0.0	506	0.0	3000	1794	0	506	0.22	0	60.2	53.5	49.7	16.2	16.2
6-7 PM	1382	0.0	390	0.0	3000	1382	0	390	0.22	0	60.2	53.5	49.7	17.9	17.9
7-8 PM	1135	0.0	320	0.0	OFF	1135	0	320	0.00	0	60.2	60.2	60.2	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	0.0054
DIVERSION	0.0497

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,009
CONGESTED HOURS PER DAY*	0

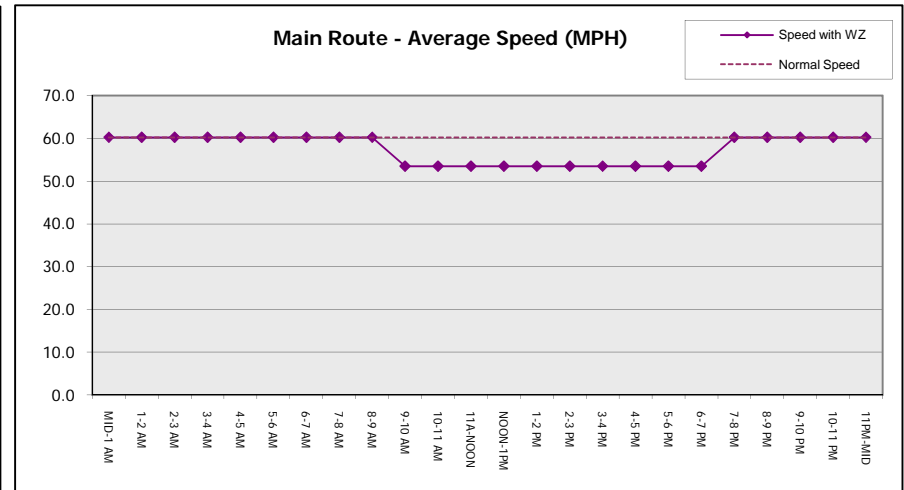
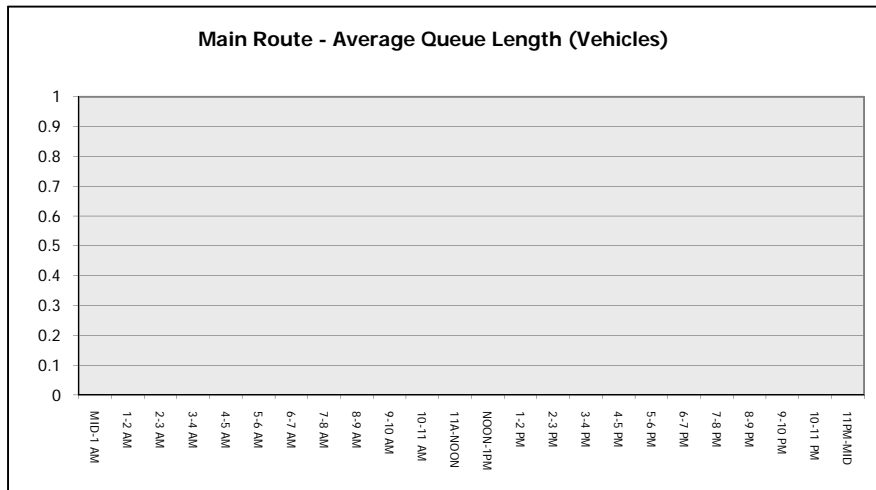
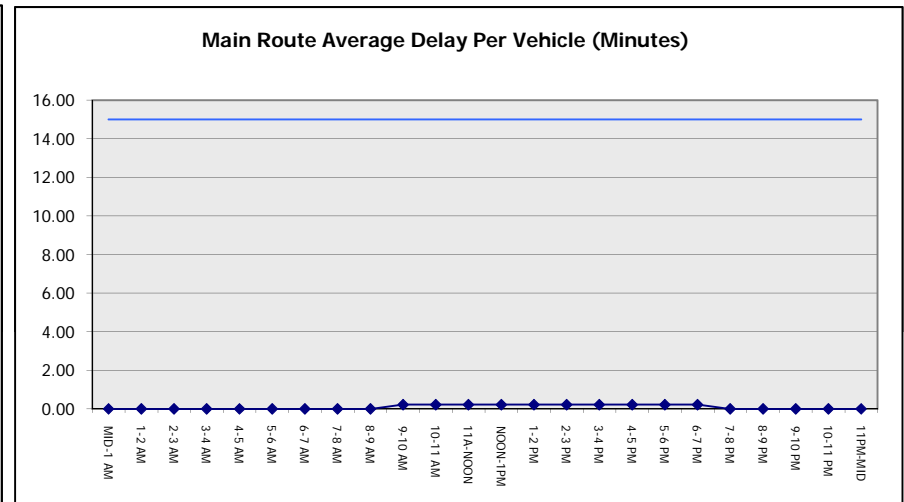
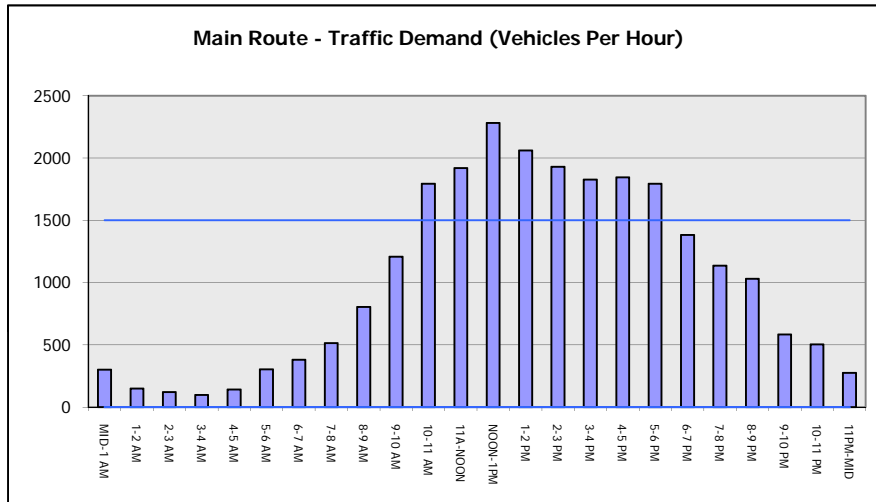
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

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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 CLOSURE DIVERSION ROUTE: STH 32 - STH 57	AUGUST
	Analyzed for 2009 Construction Season

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 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	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	3000	1025	0	290	0.22	0	60.2	53.5	49.7	19.4	19.4
10-11 AM	1536	0.0	433	0.0	3000	1536	0	433	0.22	0	60.2	53.5	49.7	17.3	17.3
11A-NOON	1839	0.0	519	0.0	3000	1839	0	519	0.22	0	60.2	53.5	49.7	16.0	16.0
NOON-1PM	2184	0.0	616	0.0	3000	2184	0	616	0.22	0	60.2	53.5	49.7	14.6	14.6
1-2 PM	2088	0.0	590	0.0	3000	2088	0	590	0.22	0	60.2	53.5	49.7	15.0	15.0
2-3 PM	2147	0.0	606	0.0	3000	2147	0	606	0.22	0	60.2	53.5	49.7	14.8	14.8
3-4 PM	2264	0.0	639	0.0	3000	2264	0	639	0.22	0	60.2	53.5	49.7	14.3	14.3
4-5 PM	2245	0.0	634	0.0	3000	2245	0	634	0.22	0	60.2	53.5	49.7	14.3	14.3
5-6 PM	2002	0.0	565	0.0	3000	2002	0	565	0.22	0	60.2	53.5	49.7	15.3	15.3
6-7 PM	1888	0.0	534	0.0	3000	1888	0	534	0.22	0	60.2	53.5	49.7	15.8	15.8
7-8 PM	1412	0.0	399	0.0	OFF	1412	0	399	0.00	0	60.2	60.2	60.2	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	0.0060
DIVERSION	0.0544

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,075
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

