

STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME 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	1500	301	0	85	0.37	0	60.2	49.6	44.3	22.4	22.4
1-2 AM	150	0.0	43	0.0	1500	150	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
2-3 AM	122	0.0	35	0.0	1500	122	0	35	0.34	0	60.2	50.1	45.0	23.1	23.1
3-4 AM	98	0.0	28	0.0	1500	98	0	28	0.34	0	60.2	50.2	45.1	23.2	23.2
4-5 AM	141	0.0	40	0.0	1500	141	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
5-6 AM	303	0.0	86	0.0	1500	303	0	86	0.37	0	60.2	49.6	44.3	22.4	22.4
6-7 AM	381	0.0	108	0.0	1500	381	0	108	0.38	0	60.2	49.3	44.0	22.0	22.0
7-8 AM	515	0.0	145	0.0	1500	515	0	145	0.39	0	60.2	48.9	43.5	21.5	21.5
8-9 AM	803	0.0	227	0.0	1500	803	0	227	0.43	0	60.2	48.1	42.4	20.3	20.3
9-10 AM	1207	0.0	341	0.0	OFF	1207	0	341	0.00	0	60.2	60.2	60.2	18.6	18.6
10-11 AM	1793	0.0	506	0.0	OFF	1793	0	506	0.00	0	60.2	60.2	60.2	16.2	16.2
11A-NOON	1920	0.0	542	0.0	OFF	1920	0	542	0.00	0	60.2	60.2	60.2	15.7	15.7
NOON-1PM	2282	0.0	644	0.0	OFF	2282	0	644	0.00	0	60.2	60.2	60.2	14.2	14.2
1-2 PM	2061	0.0	582	0.0	OFF	2061	0	582	0.00	0	60.2	60.2	60.2	15.2	15.2
2-3 PM	1930	0.0	545	0.0	OFF	1930	0	545	0.00	0	60.2	60.2	60.2	15.6	15.6
3-4 PM	1826	0.0	516	0.0	OFF	1826	0	516	0.00	0	60.2	60.2	60.2	16.1	16.1
4-5 PM	1845	0.0	521	0.0	OFF	1845	0	521	0.00	0	60.2	60.2	60.2	16.0	16.0
5-6 PM	1794	0.0	506	0.0	OFF	1794	0	506	0.00	0	60.2	60.2	60.2	16.2	16.2
6-7 PM	1382	0.0	390	0.0	OFF	1382	0	390	0.00	0	60.2	60.2	60.2	17.9	17.9
7-8 PM	1135	0.0	320	0.0	1500	1135	0	320	0.49	0	60.2	46.8	40.6	18.9	18.9
8-9 PM	1031	0.0	291	0.0	1500	1031	0	291	0.46	0	60.2	47.5	41.5	19.4	19.4
9-10 PM	583	0.0	165	0.0	1500	583	0	165	0.40	0	60.2	48.7	43.2	21.2	21.2
10-11 PM	503	0.0	142	0.0	1500	503	0	142	0.39	0	60.2	48.9	43.5	21.5	21.5
11PM-MID	275	0.0	77	0.0	1500	275	0	77	0.36	0	60.2	49.6	44.4	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	0.0062
DIVERSION	0.0497

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$644
CONGESTED HOURS PER DAY*	0

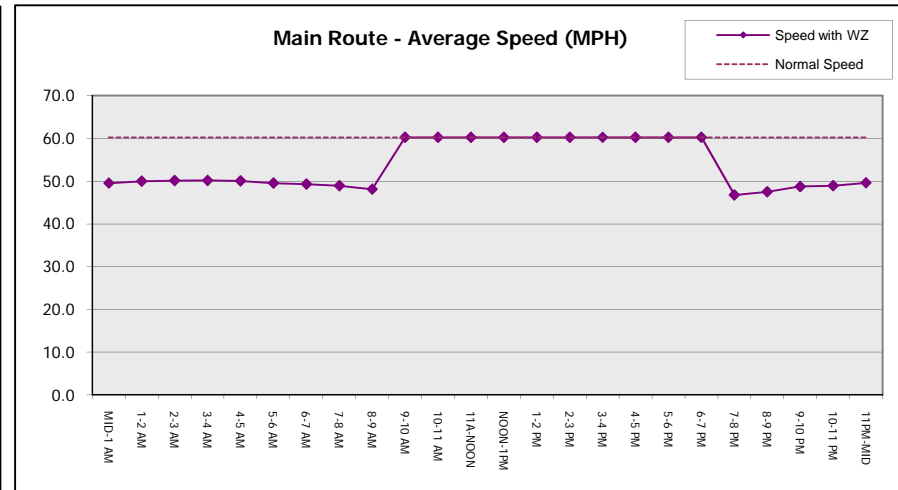
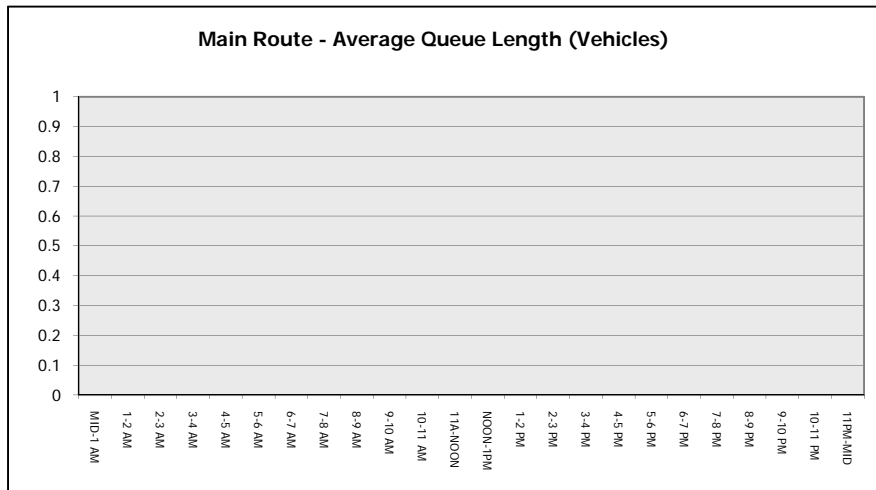
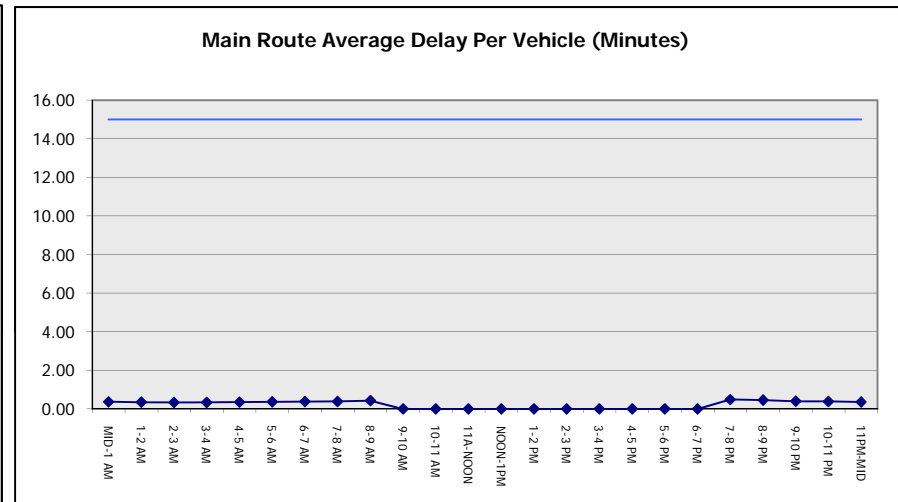
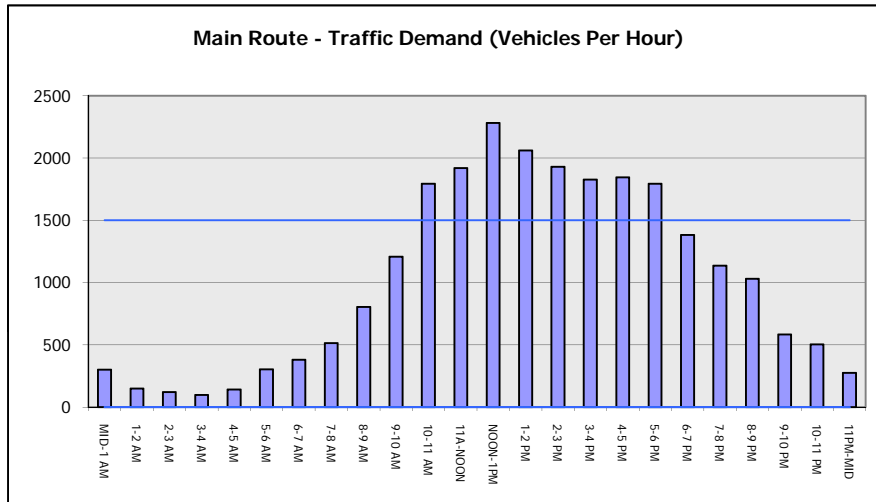
*Delays Exceeding 15 Minutes

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NIGHTTIME 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) NIGHTTIME 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 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	1500	414	0	117	0.38	0	60.2	49.2	43.8	21.9	21.9
1-2 AM	238	0.0	67	0.0	1500	238	0	67	0.36	0	60.2	49.7	44.5	22.6	22.6
2-3 AM	228	0.0	65	0.0	1500	228	0	65	0.36	0	60.2	49.7	44.6	22.7	22.7
3-4 AM	172	0.0	49	0.0	1500	172	0	49	0.35	0	60.2	49.9	44.8	22.9	22.9
4-5 AM	116	0.0	32	0.0	1500	116	0	32	0.34	0	60.2	50.1	45.0	23.1	23.1
5-6 AM	188	0.0	53	0.0	1500	188	0	53	0.35	0	60.2	49.9	44.7	22.8	22.8
6-7 AM	301	0.0	85	0.0	1500	301	0	85	0.37	0	60.2	49.6	44.3	22.4	22.4
7-8 AM	507	0.0	143	0.0	1500	507	0	143	0.39	0	60.2	48.9	43.5	21.5	21.5
8-9 AM	707	0.0	200	0.0	1500	707	0	200	0.42	0	60.2	48.4	42.7	20.7	20.7
9-10 AM	1025	0.0	290	0.0	OFF	1025	0	290	0.00	0	60.2	60.2	60.2	19.4	19.4
10-11 AM	1536	0.0	433	0.0	OFF	1536	0	433	0.00	0	60.2	60.2	60.2	17.3	17.3
11A-NOON	1839	0.0	519	0.0	OFF	1839	0	519	0.00	0	60.2	60.2	60.2	16.0	16.0
NOON-1PM	2184	0.0	616	0.0	OFF	2184	0	616	0.00	0	60.2	60.2	60.2	14.6	14.6
1-2 PM	2088	0.0	590	0.0	OFF	2088	0	590	0.00	0	60.2	60.2	60.2	15.0	15.0
2-3 PM	2147	0.0	606	0.0	OFF	2147	0	606	0.00	0	60.2	60.2	60.2	14.8	14.8
3-4 PM	2264	0.0	639	0.0	OFF	2264	0	639	0.00	0	60.2	60.2	60.2	14.3	14.3
4-5 PM	2245	0.0	634	0.0	OFF	2245	0	634	0.00	0	60.2	60.2	60.2	14.3	14.3
5-6 PM	2002	0.0	565	0.0	OFF	2002	0	565	0.00	0	60.2	60.2	60.2	15.3	15.3
6-7 PM	1888	0.0	534	0.0	OFF	1888	0	534	0.00	0	60.2	60.2	60.2	15.8	15.8
7-8 PM	1412	0.0	399	0.0	1500	1412	0	399	0.86	0	60.2	40.1	32.7	17.8	17.8
8-9 PM	1205	0.0	340	0.0	1500	1205	0	340	0.58	0	60.2	44.8	38.3	18.6	18.6
9-10 PM	952	0.0	269	0.0	1500	952	0	269	0.45	0	60.2	47.7	41.9	19.7	19.7
10-11 PM	585	0.0	165	0.0	1500	585	0	165	0.40	0	60.2	48.7	43.2	21.2	21.2
11PM-MID	438	0.0	123	0.0	1500	438	0	123	0.38	0	60.2	49.1	43.7	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	0.0067
DIVERSION	0.0544

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$934
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: STH 32 - STH 57**

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

