

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) 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	3000	301	0	85	0.22	0	60.2	53.5	49.7	22.4	22.4
1-2 AM	150	0.0	43	0.0	3000	150	0	43	0.22	0	60.2	53.5	49.7	23.0	23.0
2-3 AM	122	0.0	35	0.0	3000	122	0	35	0.22	0	60.2	53.5	49.7	23.1	23.1
3-4 AM	98	0.0	28	0.0	3000	98	0	28	0.22	0	60.2	53.5	49.7	23.2	23.2
4-5 AM	141	0.0	40	0.0	3000	141	0	40	0.22	0	60.2	53.5	49.7	23.0	23.0
5-6 AM	303	0.0	86	0.0	3000	303	0	86	0.22	0	60.2	53.5	49.7	22.4	22.4
6-7 AM	381	0.0	108	0.0	3000	381	0	108	0.22	0	60.2	53.5	49.7	22.0	22.0
7-8 AM	515	0.0	145	0.0	3000	515	0	145	0.22	0	60.2	53.5	49.7	21.5	21.5
8-9 AM	803	0.0	227	0.0	3000	803	0	227	0.22	0	60.2	53.5	49.7	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	3000	1135	0	320	0.22	0	60.2	53.5	49.7	18.9	18.9
8-9 PM	1031	0.0	291	0.0	3000	1031	0	291	0.22	0	60.2	53.5	49.7	19.4	19.4
9-10 PM	583	0.0	165	0.0	3000	583	0	165	0.22	0	60.2	53.5	49.7	21.2	21.2
10-11 PM	503	0.0	142	0.0	3000	503	0	142	0.22	0	60.2	53.5	49.7	21.5	21.5
11PM-MID	275	0.0	77	0.0	3000	275	0	77	0.22	0	60.2	53.5	49.7	22.5	22.5

----- 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	0.0066
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.0497

PIA: Personal Injury Accidents

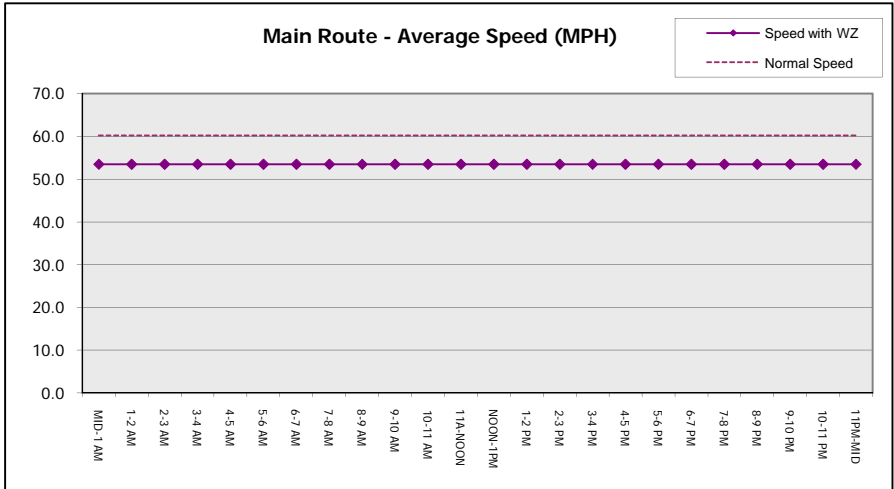
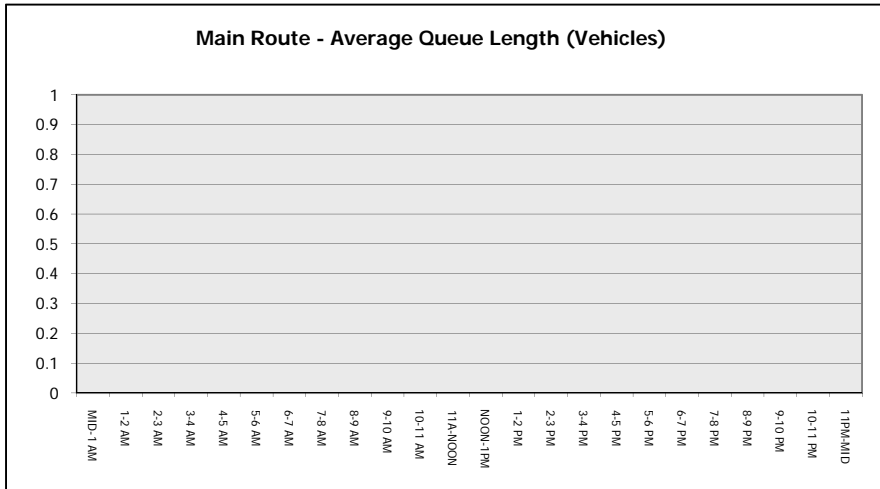
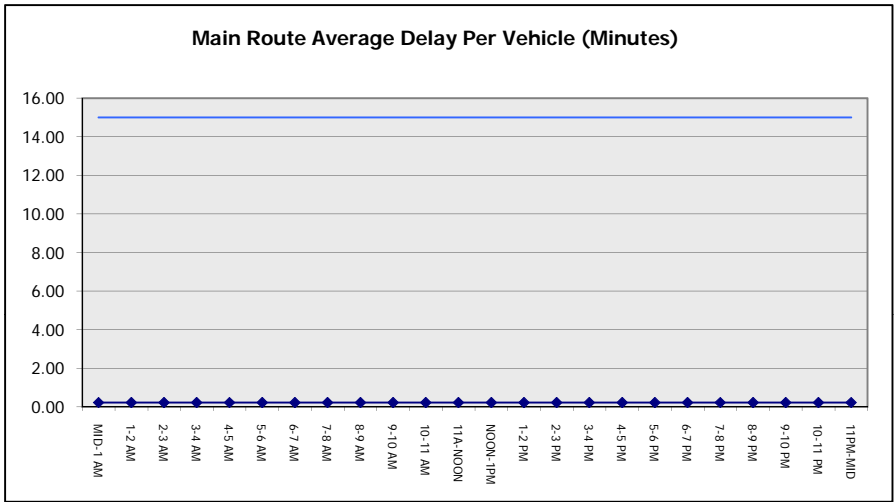
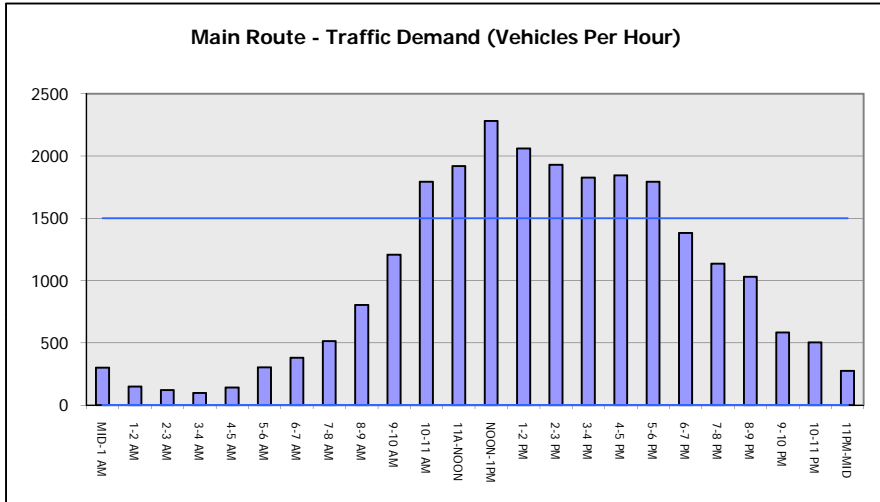
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,326
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) 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	3000	414	0	117	0.22	0	60.2	53.5	49.7	21.9	21.9
1-2 AM	238	0.0	67	0.0	3000	238	0	67	0.22	0	60.2	53.5	49.7	22.6	22.6
2-3 AM	228	0.0	65	0.0	3000	228	0	65	0.22	0	60.2	53.5	49.7	22.7	22.7
3-4 AM	172	0.0	49	0.0	3000	172	0	49	0.22	0	60.2	53.5	49.7	22.9	22.9
4-5 AM	116	0.0	32	0.0	3000	116	0	32	0.22	0	60.2	53.5	49.7	23.1	23.1
5-6 AM	188	0.0	53	0.0	3000	188	0	53	0.22	0	60.2	53.5	49.7	22.8	22.8
6-7 AM	301	0.0	85	0.0	3000	301	0	85	0.22	0	60.2	53.5	49.7	22.4	22.4
7-8 AM	507	0.0	143	0.0	3000	507	0	143	0.22	0	60.2	53.5	49.7	21.5	21.5
8-9 AM	707	0.0	200	0.0	3000	707	0	200	0.22	0	60.2	53.5	49.7	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	3000	1412	0	399	0.22	0	60.2	53.5	49.7	17.8	17.8
8-9 PM	1205	0.0	340	0.0	3000	1205	0	340	0.22	0	60.2	53.5	49.7	18.6	18.6
9-10 PM	952	0.0	269	0.0	3000	952	0	269	0.22	0	60.2	53.5	49.7	19.7	19.7
10-11 PM	585	0.0	165	0.0	3000	585	0	165	0.22	0	60.2	53.5	49.7	21.2	21.2
11PM-MID	438	0.0	123	0.0	3000	438	0	123	0.22	0	60.2	53.5	49.7	21.8	21.8

----- 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	0.0055
DIVERSION	0.0544

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,451
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

