

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)  
NIGHTTIME CLOSURE  
DIVERSION ROUTE: STH 32 - STH 57**

**MAY**  
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	340	0.0	96	0.0	3000	340	0	96	0.22	0	60.2	53.5	49.7	22.2	22.2
1-2 AM	183	0.0	51	0.0	3000	183	0	51	0.22	0	60.2	53.5	49.7	22.9	22.9
2-3 AM	127	0.0	36	0.0	3000	127	0	36	0.22	0	60.2	53.5	49.7	23.1	23.1
3-4 AM	116	0.0	32	0.0	3000	116	0	32	0.22	0	60.2	53.5	49.7	23.1	23.1
4-5 AM	164	0.0	46	0.0	3000	164	0	46	0.22	0	60.2	53.5	49.7	22.9	22.9
5-6 AM	264	0.0	74	0.0	3000	264	0	74	0.22	0	60.2	53.5	49.7	22.5	22.5
6-7 AM	368	0.0	104	0.0	3000	368	0	104	0.22	0	60.2	53.5	49.7	22.1	22.1
7-8 AM	581	0.0	164	0.0	3000	581	0	164	0.22	0	60.2	53.5	49.7	21.2	21.2
8-9 AM	788	0.0	223	0.0	3000	788	0	223	0.22	0	60.2	53.5	49.7	20.4	20.4
9-10 AM	1365	0.0	385	0.0	OFF	1365	0	385	0.00	0	60.2	60.2	60.2	18.0	18.0
10-11 AM	1786	0.0	504	0.0	OFF	1786	0	504	0.00	0	60.2	60.2	60.2	16.3	16.3
11A-NOON	1881	0.0	532	0.0	OFF	1881	0	532	0.00	0	60.2	60.2	60.2	15.8	15.8
NOON-1PM	2134	0.0	603	0.0	OFF	2134	0	603	0.00	0	60.2	60.2	60.2	14.8	14.8
1-2 PM	1996	0.0	564	0.0	OFF	1996	0	564	0.00	0	60.2	60.2	60.2	15.4	15.4
2-3 PM	1853	0.0	523	0.0	OFF	1853	0	523	0.00	0	60.2	60.2	60.2	16.0	16.0
3-4 PM	1727	0.0	488	0.0	OFF	1727	0	488	0.00	0	60.2	60.2	60.2	16.5	16.5
4-5 PM	1681	0.0	475	0.0	OFF	1681	0	475	0.00	0	60.2	60.2	60.2	16.7	16.7
5-6 PM	1646	0.0	465	0.0	OFF	1646	0	465	0.00	0	60.2	60.2	60.2	16.8	16.8
6-7 PM	1349	0.0	381	0.0	OFF	1349	0	381	0.00	0	60.2	60.2	60.2	18.1	18.1
7-8 PM	941	0.0	266	0.0	3000	941	0	266	0.22	0	60.2	53.5	49.7	19.7	19.7
8-9 PM	750	0.0	211	0.0	3000	750	0	211	0.22	0	60.2	53.5	49.7	20.5	20.5
9-10 PM	554	0.0	156	0.0	3000	554	0	156	0.22	0	60.2	53.5	49.7	21.3	21.3
10-11 PM	445	0.0	126	0.0	3000	445	0	126	0.22	0	60.2	53.5	49.7	21.8	21.8
11PM-MID	157	0.0	44	0.0	3000	157	0	44	0.22	0	60.2	53.5	49.7	23.0	23.0

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

*----- 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	0.0063
MAIN ROUTE WITH WORKS	0.0059
DIVERSION	0.0473

PIA: Personal Injury Accidents

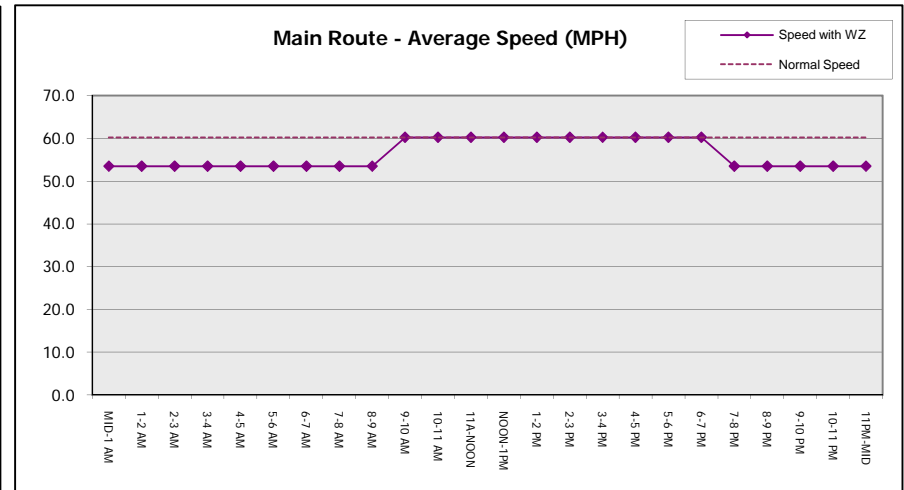
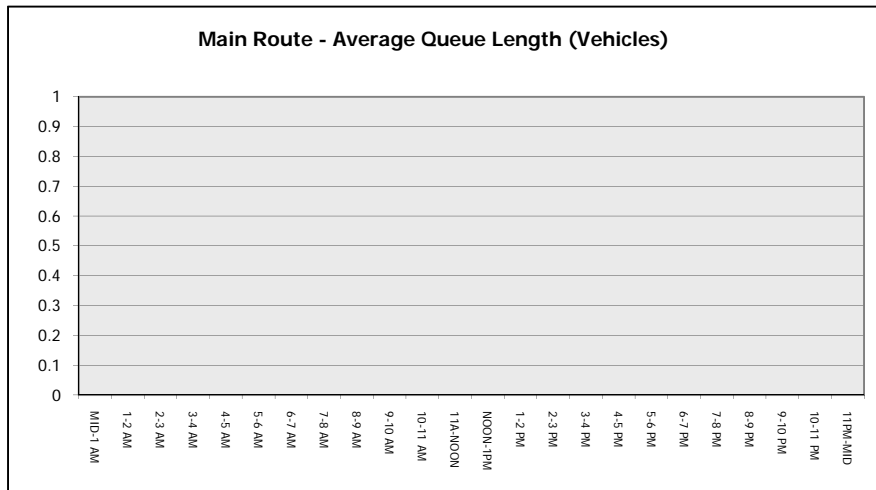
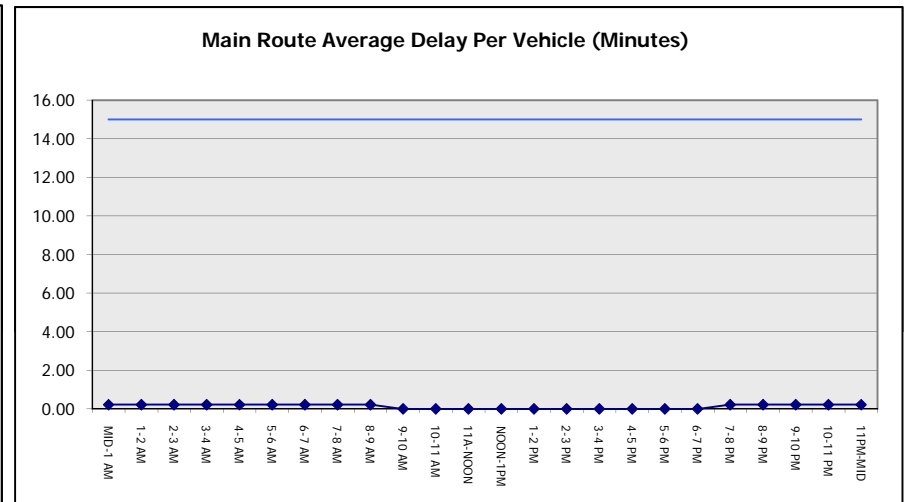
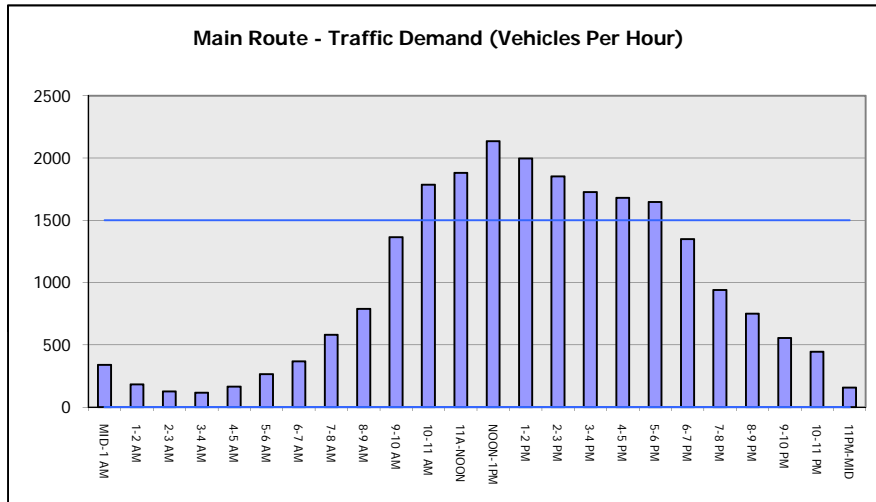
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$287
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 32 - STH 57**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>STH 172: USH 41 TO STH 57 (BROWN COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 32 - STH 57</b>	<b>MAY</b>
	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	420	0.0	118	0.0	3000	420	0	118	0.22	0	60.2	53.5	49.7	21.9	21.9
1-2 AM	314	0.0	89	0.0	3000	314	0	89	0.22	0	60.2	53.5	49.7	22.3	22.3
2-3 AM	272	0.0	77	0.0	3000	272	0	77	0.22	0	60.2	53.5	49.7	22.5	22.5
3-4 AM	199	0.0	57	0.0	3000	199	0	57	0.22	0	60.2	53.5	49.7	22.8	22.8
4-5 AM	145	0.0	41	0.0	3000	145	0	41	0.22	0	60.2	53.5	49.7	23.0	23.0
5-6 AM	169	0.0	48	0.0	3000	169	0	48	0.22	0	60.2	53.5	49.7	22.9	22.9
6-7 AM	354	0.0	100	0.0	3000	354	0	100	0.22	0	60.2	53.5	49.7	22.1	22.1
7-8 AM	480	0.0	136	0.0	3000	480	0	136	0.22	0	60.2	53.5	49.7	21.6	21.6
8-9 AM	746	0.0	210	0.0	3000	746	0	210	0.22	0	60.2	53.5	49.7	20.6	20.6
9-10 AM	992	0.0	280	0.0	OFF	992	0	280	0.00	0	60.2	60.2	60.2	19.5	19.5
10-11 AM	1469	0.0	415	0.0	OFF	1469	0	415	0.00	0	60.2	60.2	60.2	17.6	17.6
11A-NOON	1748	0.0	494	0.0	OFF	1748	0	494	0.00	0	60.2	60.2	60.2	16.4	16.4
NOON-1PM	1916	0.0	541	0.0	OFF	1916	0	541	0.00	0	60.2	60.2	60.2	15.7	15.7
1-2 PM	2046	0.0	578	0.0	OFF	2046	0	578	0.00	0	60.2	60.2	60.2	15.2	15.2
2-3 PM	2280	0.0	643	0.0	OFF	2280	0	643	0.00	0	60.2	60.2	60.2	14.2	14.2
3-4 PM	2259	0.0	638	0.0	OFF	2259	0	638	0.00	0	60.2	60.2	60.2	14.3	14.3
4-5 PM	2306	0.0	651	0.0	OFF	2306	0	651	0.00	0	60.2	60.2	60.2	14.1	14.1
5-6 PM	1946	0.0	549	0.0	OFF	1946	0	549	0.00	0	60.2	60.2	60.2	15.6	15.6
6-7 PM	1759	0.0	497	0.0	OFF	1759	0	497	0.00	0	60.2	60.2	60.2	16.3	16.3
7-8 PM	1276	0.0	360	0.0	3000	1276	0	360	0.22	0	60.2	53.5	49.7	18.4	18.4
8-9 PM	987	0.0	278	0.0	3000	987	0	278	0.22	0	60.2	53.5	49.7	19.6	19.6
9-10 PM	747	0.0	211	0.0	3000	747	0	211	0.22	0	60.2	53.5	49.7	20.5	20.5
10-11 PM	523	0.0	148	0.0	3000	523	0	148	0.22	0	60.2	53.5	49.7	21.4	21.4
11PM-MID	323	0.0	91	0.0	3000	323	0	91	0.22	0	60.2	53.5	49.7	22.3	22.3

"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	0.0070
MAIN ROUTE WITH WORKS	0.0065
DIVERSION	0.0524

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$346
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**MAY**  
Analyzed for 2009  
Construction Season

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

