

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)**  
**OFF-PEAK DAY 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	OFF	340	0	96	0.00	0	60.2	60.2	60.2	22.2	22.2
1-2 AM	183	0.0	51	0.0	OFF	183	0	51	0.00	0	60.2	60.2	60.2	22.9	22.9
2-3 AM	127	0.0	36	0.0	OFF	127	0	36	0.00	0	60.2	60.2	60.2	23.1	23.1
3-4 AM	116	0.0	32	0.0	OFF	116	0	32	0.00	0	60.2	60.2	60.2	23.1	23.1
4-5 AM	164	0.0	46	0.0	OFF	164	0	46	0.00	0	60.2	60.2	60.2	22.9	22.9
5-6 AM	264	0.0	74	0.0	OFF	264	0	74	0.00	0	60.2	60.2	60.2	22.5	22.5
6-7 AM	368	0.0	104	0.0	OFF	368	0	104	0.00	0	60.2	60.2	60.2	22.1	22.1
7-8 AM	581	0.0	164	0.0	OFF	581	0	164	0.00	0	60.2	60.2	60.2	21.2	21.2
8-9 AM	788	0.0	223	0.0	OFF	788	0	223	0.00	0	60.2	60.2	60.2	20.4	20.4
9-10 AM	1365	0.0	385	0.0	3000	1365	0	385	0.22	0	60.2	53.5	49.7	18.0	18.0
10-11 AM	1786	0.0	504	0.0	3000	1786	0	504	0.22	0	60.2	53.5	49.7	16.3	16.3
11A-NOON	1881	0.0	532	0.0	3000	1881	0	532	0.22	0	60.2	53.5	49.7	15.8	15.8
NOON-1PM	2134	0.0	603	0.0	3000	2134	0	603	0.22	0	60.2	53.5	49.7	14.8	14.8
1-2 PM	1996	0.0	564	0.0	3000	1996	0	564	0.22	0	60.2	53.5	49.7	15.4	15.4
2-3 PM	1853	0.0	523	0.0	3000	1853	0	523	0.22	0	60.2	53.5	49.7	16.0	16.0
3-4 PM	1727	0.0	488	0.0	3000	1727	0	488	0.22	0	60.2	53.5	49.7	16.5	16.5
4-5 PM	1681	0.0	475	0.0	3000	1681	0	475	0.22	0	60.2	53.5	49.7	16.7	16.7
5-6 PM	1646	0.0	465	0.0	3000	1646	0	465	0.22	0	60.2	53.5	49.7	16.8	16.8
6-7 PM	1349	0.0	381	0.0	3000	1349	0	381	0.22	0	60.2	53.5	49.7	18.1	18.1
7-8 PM	941	0.0	266	0.0	OFF	941	0	266	0.00	0	60.2	60.2	60.2	19.7	19.7
8-9 PM	750	0.0	211	0.0	OFF	750	0	211	0.00	0	60.2	60.2	60.2	20.5	20.5
9-10 PM	554	0.0	156	0.0	OFF	554	0	156	0.00	0	60.2	60.2	60.2	21.3	21.3
10-11 PM	445	0.0	126	0.0	OFF	445	0	126	0.00	0	60.2	60.2	60.2	21.8	21.8
11PM-MID	157	0.0	44	0.0	OFF	157	0	44	0.00	0	60.2	60.2	60.2	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	0.0051
DIVERSION	0.0473

PIA: Personal Injury Accidents

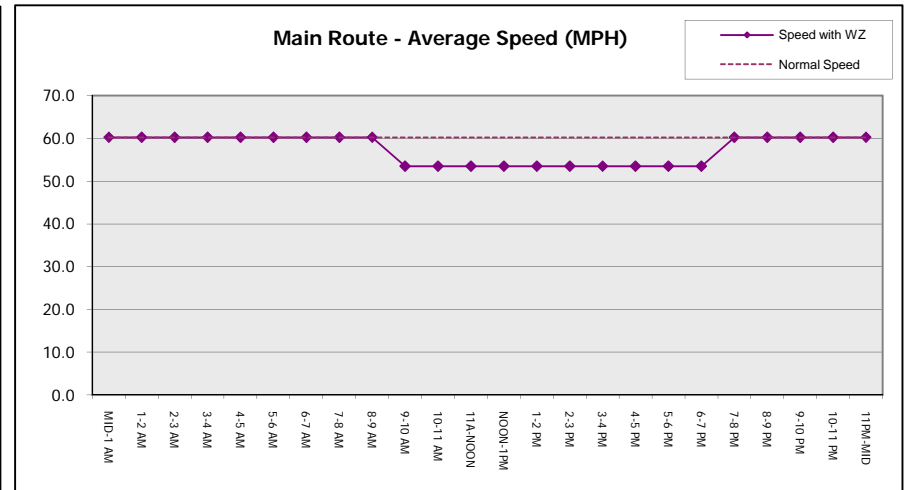
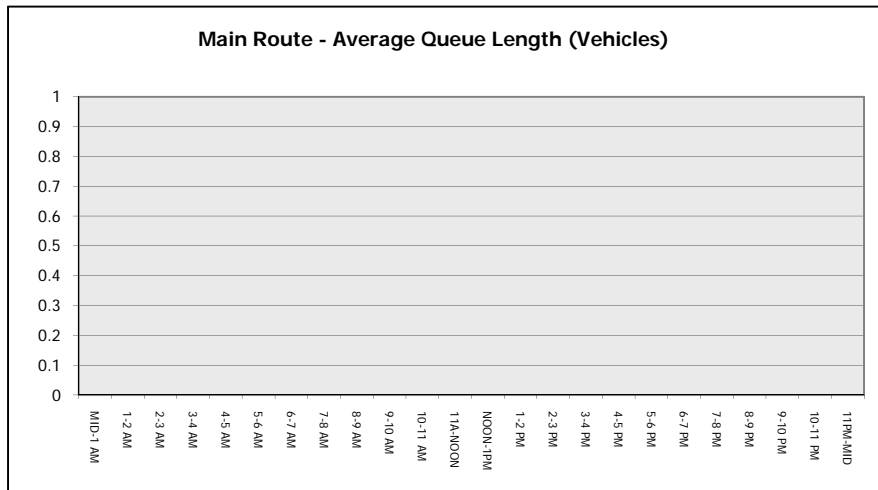
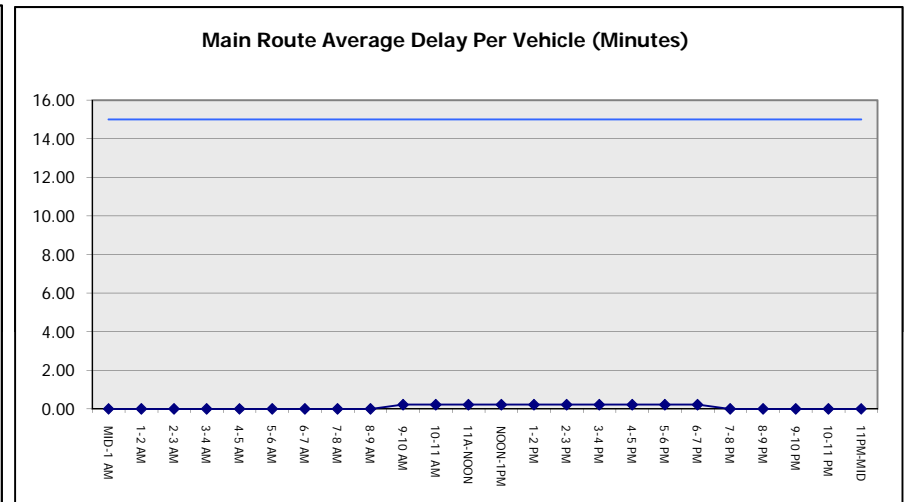
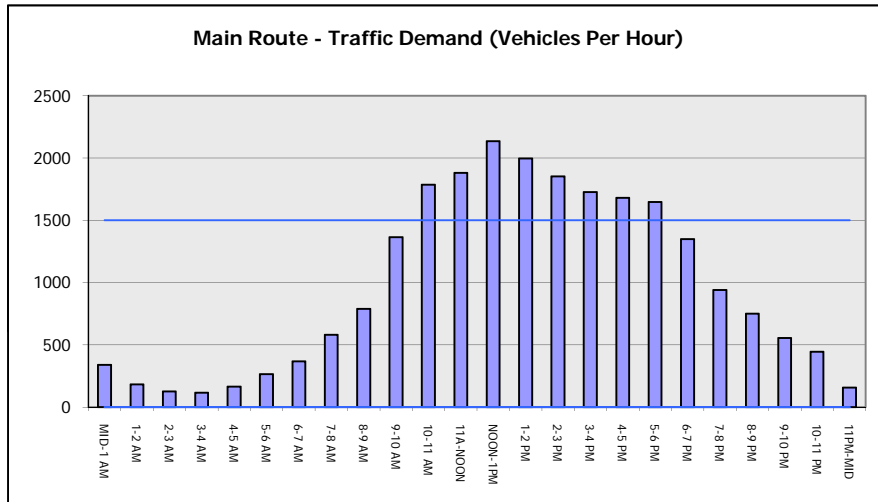
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$974
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY 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>OFF-PEAK DAY 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	OFF	420	0	118	0.00	0	60.2	60.2	60.2	21.9	21.9
1-2 AM	314	0.0	89	0.0	OFF	314	0	89	0.00	0	60.2	60.2	60.2	22.3	22.3
2-3 AM	272	0.0	77	0.0	OFF	272	0	77	0.00	0	60.2	60.2	60.2	22.5	22.5
3-4 AM	199	0.0	57	0.0	OFF	199	0	57	0.00	0	60.2	60.2	60.2	22.8	22.8
4-5 AM	145	0.0	41	0.0	OFF	145	0	41	0.00	0	60.2	60.2	60.2	23.0	23.0
5-6 AM	169	0.0	48	0.0	OFF	169	0	48	0.00	0	60.2	60.2	60.2	22.9	22.9
6-7 AM	354	0.0	100	0.0	OFF	354	0	100	0.00	0	60.2	60.2	60.2	22.1	22.1
7-8 AM	480	0.0	136	0.0	OFF	480	0	136	0.00	0	60.2	60.2	60.2	21.6	21.6
8-9 AM	746	0.0	210	0.0	OFF	746	0	210	0.00	0	60.2	60.2	60.2	20.6	20.6
9-10 AM	992	0.0	280	0.0	3000	992	0	280	0.22	0	60.2	53.5	49.7	19.5	19.5
10-11 AM	1469	0.0	415	0.0	3000	1469	0	415	0.22	0	60.2	53.5	49.7	17.6	17.6
11A-NOON	1748	0.0	494	0.0	3000	1748	0	494	0.22	0	60.2	53.5	49.7	16.4	16.4
NOON-1PM	1916	0.0	541	0.0	3000	1916	0	541	0.22	0	60.2	53.5	49.7	15.7	15.7
1-2 PM	2046	0.0	578	0.0	3000	2046	0	578	0.22	0	60.2	53.5	49.7	15.2	15.2
2-3 PM	2280	0.0	643	0.0	3000	2280	0	643	0.22	0	60.2	53.5	49.7	14.2	14.2
3-4 PM	2259	0.0	638	0.0	3000	2259	0	638	0.22	0	60.2	53.5	49.7	14.3	14.3
4-5 PM	2306	0.0	651	0.0	3000	2306	0	651	0.22	0	60.2	53.5	49.7	14.1	14.1
5-6 PM	1946	0.0	549	0.0	3000	1946	0	549	0.22	0	60.2	53.5	49.7	15.6	15.6
6-7 PM	1759	0.0	497	0.0	3000	1759	0	497	0.22	0	60.2	53.5	49.7	16.3	16.3
7-8 PM	1276	0.0	360	0.0	OFF	1276	0	360	0.00	0	60.2	60.2	60.2	18.4	18.4
8-9 PM	987	0.0	278	0.0	OFF	987	0	278	0.00	0	60.2	60.2	60.2	19.6	19.6
9-10 PM	747	0.0	211	0.0	OFF	747	0	211	0.00	0	60.2	60.2	60.2	20.5	20.5
10-11 PM	523	0.0	148	0.0	OFF	523	0	148	0.00	0	60.2	60.2	60.2	21.4	21.4
11PM-MID	323	0.0	91	0.0	OFF	323	0	91	0.00	0	60.2	60.2	60.2	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	0.0057
DIVERSION	0.0524

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,047
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY EASTBOUND DIRECTION**

