

<b>STH 172: USH 41 TO STH 57 (BROWN COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 32 - STH 57</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	135	0.0	39	0.0	1500	135	0	39	0.35	0	60.2	50.1	45.0	23.0	23.0
1-2 AM	88	0.0	25	0.0	1500	88	0	25	0.34	0	60.2	50.2	45.1	23.2	23.2
2-3 AM	109	0.0	30	0.0	1500	109	0	30	0.34	0	60.2	50.1	45.1	23.2	23.2
3-4 AM	142	0.0	40	0.0	1500	142	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
4-5 AM	429	0.0	121	0.0	1500	429	0	121	0.38	0	60.2	49.2	43.8	21.9	21.9
5-6 AM	1393	0.0	393	0.0	OFF	1393	0	393	0.00	0	60.2	60.2	60.2	17.9	17.9
6-7 AM	3049	0.0	861	0.0	OFF	3049	0	861	0.00	0	60.2	60.2	60.2	11.5	11.5
7-8 AM	4297	0.0	1214	0.0	OFF	4297	0	1214	0.00	0	60.2	60.2	60.2	9.5	9.5
8-9 AM	2547	0.0	719	0.0	OFF	2547	0	719	0.00	0	60.2	60.2	60.2	13.1	13.1
9-10 AM	1935	0.0	546	0.0	OFF	1935	0	546	0.00	0	60.2	60.2	60.2	15.6	15.6
10-11 AM	1890	0.0	534	0.0	OFF	1890	0	534	0.00	0	60.2	60.2	60.2	15.8	15.8
11A-NOON	1957	0.0	552	0.0	OFF	1957	0	552	0.00	0	60.2	60.2	60.2	15.5	15.5
NOON-1PM	2022	0.0	571	0.0	OFF	2022	0	571	0.00	0	60.2	60.2	60.2	15.3	15.3
1-2 PM	2075	0.0	586	0.0	OFF	2075	0	586	0.00	0	60.2	60.2	60.2	15.1	15.1
2-3 PM	2312	0.0	653	0.0	OFF	2312	0	653	0.00	0	60.2	60.2	60.2	14.1	14.1
3-4 PM	2673	0.0	754	0.0	OFF	2673	0	754	0.00	0	60.2	60.2	60.2	12.6	12.6
4-5 PM	2982	0.0	842	0.0	OFF	2982	0	842	0.00	0	60.2	60.2	60.2	11.6	11.6
5-6 PM	2733	0.0	771	0.0	OFF	2733	0	771	0.00	0	60.2	60.2	60.2	12.4	12.4
6-7 PM	1864	0.0	526	0.0	OFF	1864	0	526	0.00	0	60.2	60.2	60.2	16.0	16.0
7-8 PM	1232	0.0	347	0.0	1500	1232	0	347	0.62	0	60.2	44.2	37.4	18.6	18.6
8-9 PM	941	0.0	266	0.0	1500	941	0	266	0.44	0	60.2	47.7	41.9	19.7	19.7
9-10 PM	707	0.0	200	0.0	1500	707	0	200	0.42	0	60.2	48.4	42.7	20.7	20.7
10-11 PM	494	0.0	139	0.0	1500	494	0	139	0.39	0	60.2	49.0	43.5	21.5	21.5
11PM-MID	246	0.0	69	0.0	1500	246	0	69	0.36	0	60.2	49.7	44.5	22.6	22.6

**"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	0.0104
MAIN ROUTE WITH WORKS	0.0101
DIVERSION	0.0780

PIA: Personal Injury Accidents

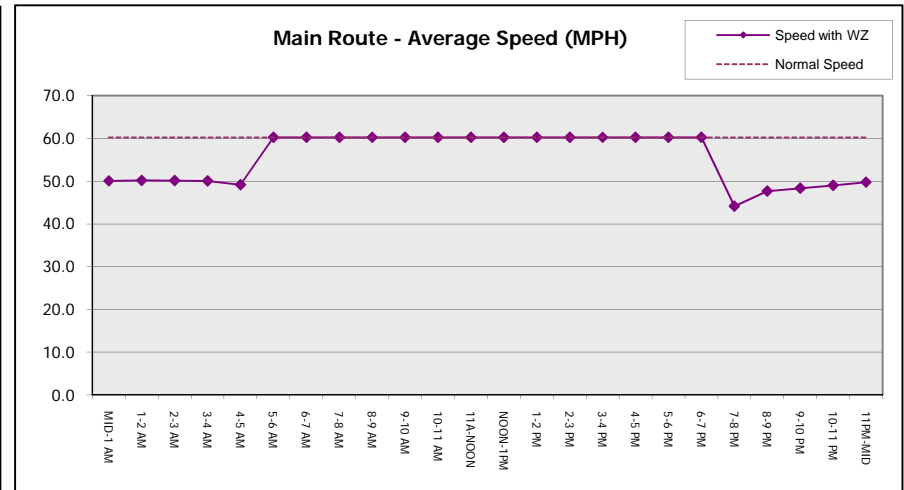
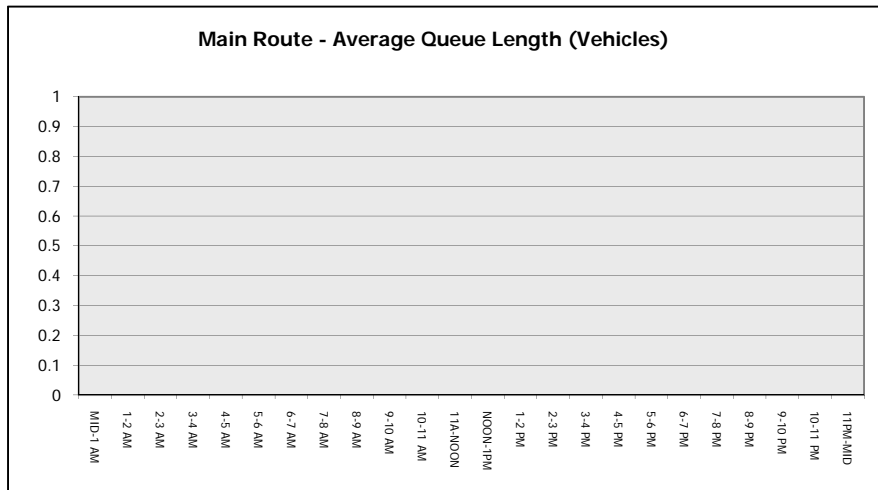
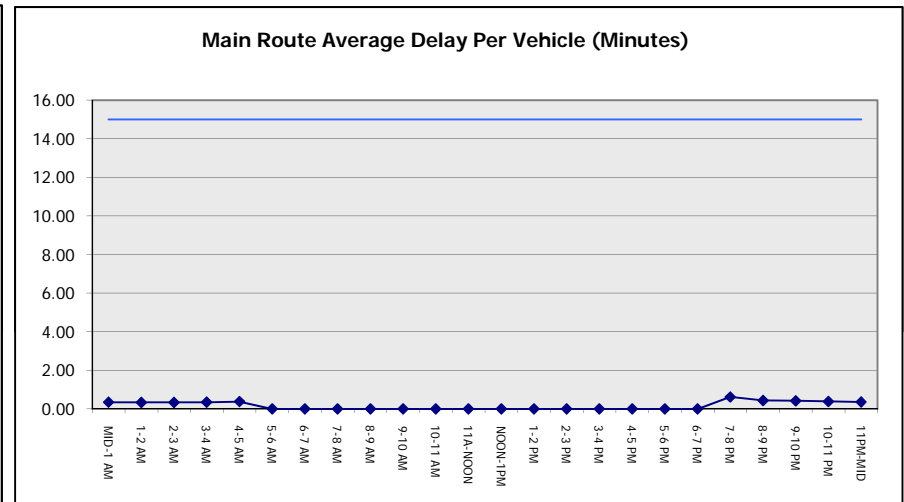
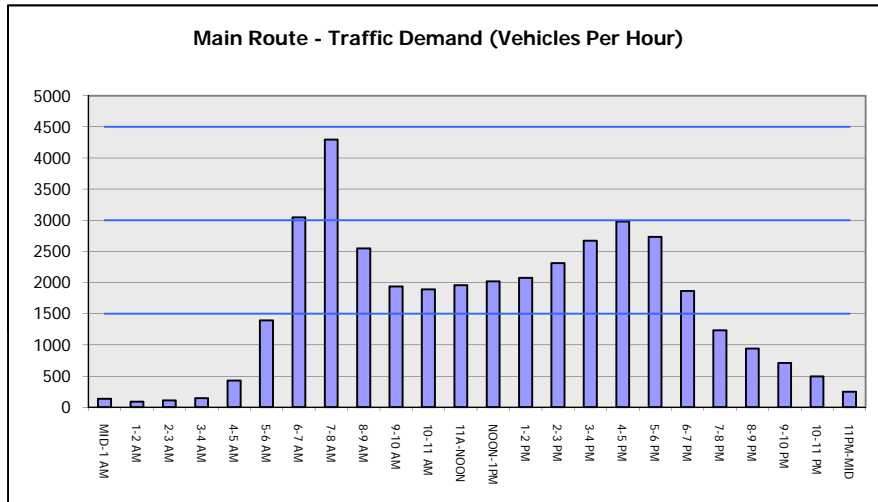
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$498
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 DIVERSION ROUTE: STH 32 - STH 57**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
MON-THUR	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	226	0.0	64	0.0	1500	226	0	64	0.36	0	60.2	49.7	44.6	22.7	22.7
1-2 AM	153	0.0	43	0.0	1500	153	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
2-3 AM	129	0.0	37	0.0	1500	129	0	37	0.34	0	60.2	50.1	45.0	23.0	23.0
3-4 AM	129	0.0	37	0.0	1500	129	0	37	0.34	0	60.2	50.1	45.0	23.0	23.0
4-5 AM	262	0.0	74	0.0	1500	262	0	74	0.36	0	60.2	49.7	44.5	22.5	22.5
5-6 AM	638	0.0	180	0.0	OFF	638	0	180	0.00	0	60.2	60.2	60.2	21.0	21.0
6-7 AM	1524	0.0	430	0.0	OFF	1524	0	430	0.00	0	60.2	60.2	60.2	17.3	17.3
7-8 AM	2122	0.0	600	0.0	OFF	2122	0	600	0.00	0	60.2	60.2	60.2	14.8	14.8
8-9 AM	1837	0.0	519	0.0	OFF	1837	0	519	0.00	0	60.2	60.2	60.2	16.0	16.0
9-10 AM	1668	0.0	471	0.0	OFF	1668	0	471	0.00	0	60.2	60.2	60.2	16.8	16.8
10-11 AM	1652	0.0	467	0.0	OFF	1652	0	467	0.00	0	60.2	60.2	60.2	16.8	16.8
11A-NOON	1908	0.0	539	0.0	OFF	1908	0	539	0.00	0	60.2	60.2	60.2	15.8	15.8
NOON-1PM	2037	0.0	575	0.0	OFF	2037	0	575	0.00	0	60.2	60.2	60.2	15.2	15.2
1-2 PM	2185	0.0	617	0.0	OFF	2185	0	617	0.00	0	60.2	60.2	60.2	14.6	14.6
2-3 PM	2487	0.0	702	0.0	OFF	2487	0	702	0.00	0	60.2	60.2	60.2	13.4	13.4
3-4 PM	3455	0.0	975	0.0	OFF	3455	0	975	0.00	0	60.2	60.2	60.2	10.9	10.9
4-5 PM	4330	0.0	1222	0.0	OFF	4330	0	1222	0.00	0	60.2	60.2	60.2	9.4	9.4
5-6 PM	3865	0.0	1091	0.0	OFF	3865	0	1091	0.00	0	60.2	60.2	60.2	10.2	10.2
6-7 PM	2452	0.0	693	0.0	OFF	2452	0	693	0.00	0	60.2	60.2	60.2	13.5	13.5
7-8 PM	1652	0.0	467	0.0	1499	1652	0	467	4.68	105	60.2	16.0	30.8	16.8	16.8
8-9 PM	1492	0.0	422	0.0	1500	1492	0	422	7.16	163	60.2	11.6	30.8	17.5	17.5
9-10 PM	1159	0.0	328	0.0	1499	1159	0	328	1.44	42	60.2	32.5	37.4	18.8	18.8
10-11 PM	720	0.0	203	0.0	1500	720	0	203	0.42	0	60.2	48.3	42.7	20.6	20.6
11PM-MID	468	0.0	132	0.0	1500	468	0	132	0.39	0	60.2	49.1	43.7	21.7	21.7

"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	0.0104
MAIN ROUTE WITH WORKS	0.0100
DIVERSION	0.0786

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,991
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 DIVERSION ROUTE: STH 32 - STH 57**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

