

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

**OCTOBER**  
 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	262	0.0	74	0.0	OFF	262	0	74	0.00	0	60.2	60.2	60.2	22.5	22.5
1-2 AM	169	0.0	48	0.0	OFF	169	0	48	0.00	0	60.2	60.2	60.2	22.9	22.9
2-3 AM	138	0.0	39	0.0	OFF	138	0	39	0.00	0	60.2	60.2	60.2	23.0	23.0
3-4 AM	113	0.0	31	0.0	OFF	113	0	31	0.00	0	60.2	60.2	60.2	23.2	23.2
4-5 AM	157	0.0	44	0.0	OFF	157	0	44	0.00	0	60.2	60.2	60.2	23.0	23.0
5-6 AM	325	0.0	92	0.0	OFF	325	0	92	0.00	0	60.2	60.2	60.2	22.2	22.2
6-7 AM	404	0.0	114	0.0	OFF	404	0	114	0.00	0	60.2	60.2	60.2	21.9	21.9
7-8 AM	715	0.0	202	0.0	OFF	715	0	202	0.00	0	60.2	60.2	60.2	20.7	20.7
8-9 AM	1327	0.0	375	0.0	OFF	1327	0	375	0.00	0	60.2	60.2	60.2	18.1	18.1
9-10 AM	2280	0.0	644	0.0	3000	2280	0	644	0.22	0	60.2	53.5	49.7	14.2	14.2
10-11 AM	2530	0.0	715	0.0	3000	2530	0	715	0.31	0	60.2	50.9	46.1	13.2	13.2
11A-NOON	2083	0.0	588	0.0	3000	2083	0	588	0.22	0	60.2	53.5	49.7	15.0	15.0
NOON-1PM	2083	0.0	588	0.0	3000	2083	0	588	0.22	0	60.2	53.5	49.7	15.0	15.0
1-2 PM	1924	0.0	543	0.0	3000	1924	0	543	0.22	0	60.2	53.5	49.7	15.7	15.7
2-3 PM	2179	0.0	615	0.0	3000	2179	0	615	0.22	0	60.2	53.5	49.7	14.7	14.7
3-4 PM	2223	0.0	628	0.0	3000	2223	0	628	0.22	0	60.2	53.5	49.7	14.5	14.5
4-5 PM	2327	0.0	657	0.0	3000	2327	0	657	0.22	0	60.2	53.5	49.7	14.0	14.0
5-6 PM	2034	0.0	574	0.0	3000	2034	0	574	0.22	0	60.2	53.5	49.7	15.2	15.2
6-7 PM	1338	0.0	378	0.0	3000	1338	0	378	0.22	0	60.2	53.5	49.7	18.1	18.1
7-8 PM	864	0.0	244	0.0	OFF	864	0	244	0.00	0	60.2	60.2	60.2	20.1	20.1
8-9 PM	523	0.0	148	0.0	OFF	523	0	148	0.00	0	60.2	60.2	60.2	21.4	21.4
9-10 PM	470	0.0	133	0.0	OFF	470	0	133	0.00	0	60.2	60.2	60.2	21.7	21.7
10-11 PM	348	0.0	98	0.0	OFF	348	0	98	0.00	0	60.2	60.2	60.2	22.2	22.2
11PM-MID	244	0.0	69	0.0	OFF	244	0	69	0.00	0	60.2	60.2	60.2	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	0.0073
MAIN ROUTE WITH WORKS	0.0059
DIVERSION	0.0552

PIA: Personal Injury Accidents

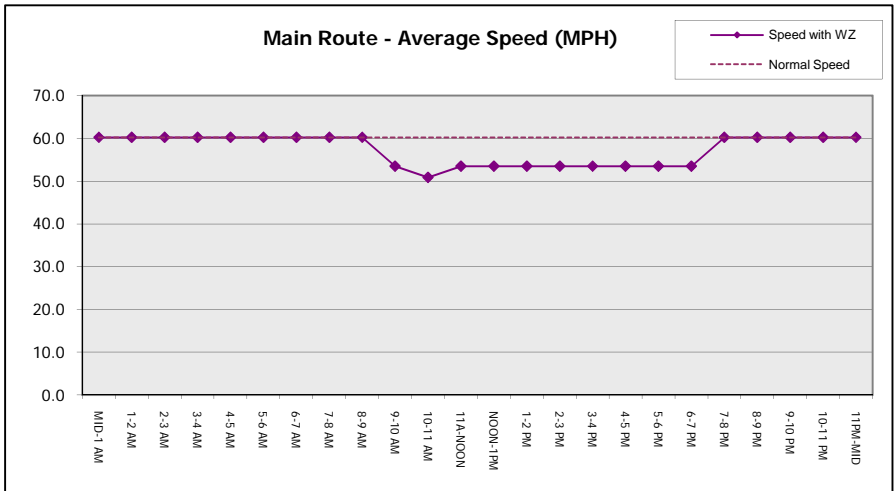
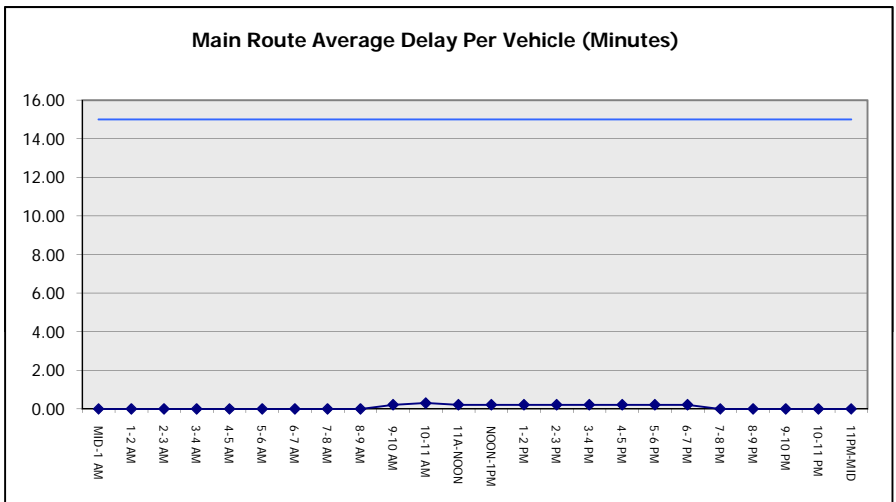
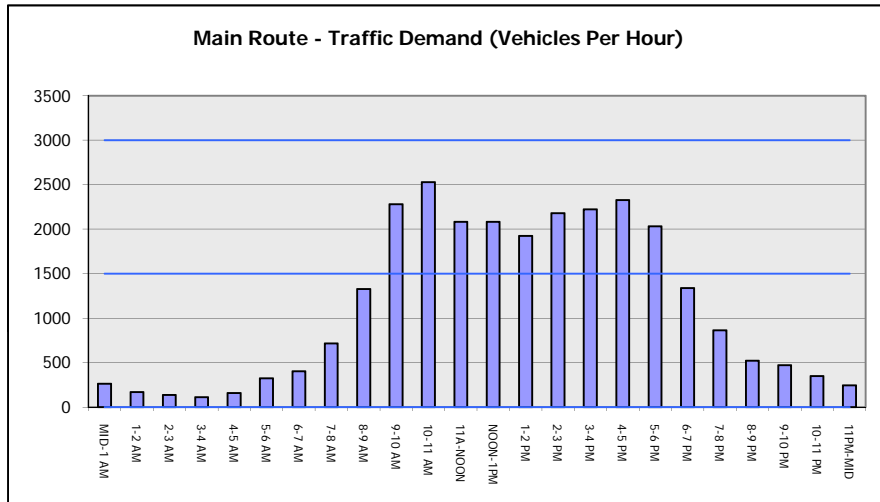
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,343
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
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>OCTOBER</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		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	598	0.0	168	0.0	OFF	598	0	168	0.00	0	60.2	60.2	60.2	18.6	18.6
1-2 AM	297	0.0	84	0.0	OFF	297	0	84	0.00	0	60.2	60.2	60.2	21.1	21.1
2-3 AM	283	0.0	80	0.0	OFF	283	0	80	0.00	0	60.2	60.2	60.2	21.2	21.2
3-4 AM	215	0.0	61	0.0	OFF	215	0	61	0.00	0	60.2	60.2	60.2	21.8	21.8
4-5 AM	157	0.0	45	0.0	OFF	157	0	45	0.00	0	60.2	60.2	60.2	22.3	22.3
5-6 AM	237	0.0	67	0.0	OFF	237	0	67	0.00	0	60.2	60.2	60.2	21.6	21.6
6-7 AM	476	0.0	134	0.0	OFF	476	0	134	0.00	0	60.2	60.2	60.2	19.6	19.6
7-8 AM	567	0.0	160	0.0	OFF	567	0	160	0.00	0	60.2	60.2	60.2	18.9	18.9
8-9 AM	2113	0.0	596	0.0	OFF	2113	0	596	0.00	0	60.2	60.2	60.2	9.5	9.5
9-10 AM	2151	0.0	607	0.0	3000	2151	0	607	0.22	0	60.2	53.5	49.7	9.4	9.4
10-11 AM	2194	0.0	619	0.0	3000	2194	0	619	0.22	0	60.2	53.5	49.7	9.3	9.3
11A-NOON	2097	0.0	592	0.0	3000	2097	0	592	0.22	0	60.2	53.5	49.7	9.6	9.6
NOON-1PM	1825	0.0	516	0.0	3000	1825	0	516	0.22	0	60.2	53.5	49.7	10.4	10.4
1-2 PM	1767	0.0	499	0.0	3000	1767	0	499	0.22	0	60.2	53.5	49.7	10.6	10.6
2-3 PM	1914	0.0	540	0.0	3000	1914	0	540	0.22	0	60.2	53.5	49.7	10.2	10.2
3-4 PM	2735	0.0	772	0.0	2999	2735	0	772+	0.44	0	60.2	47.8	42.0	7.6	7.6
4-5 PM	3111	0.0	879	0.0	2999	3111	0	879+	1.28	40	60.2	34.3	37.3	6.8	6.9
5-6 PM	3197	0.0	903	0.0	3000	3197	0	903+	4.87	242	60.2	16.6	37.3	6.8	7.0
6-7 PM	2039	0.0	576	0.0	3000	2039	0	576	0.83	64	60.2	40.6	48.3	9.7	9.8
7-8 PM	1343	0.0	379	0.0	OFF	1343	0	379	0.00	0	60.2	60.2	60.2	12.4	12.4
8-9 PM	972	0.0	274	0.0	OFF	972	0	274	0.00	0	60.2	60.2	60.2	15.5	15.5
9-10 PM	741	0.0	209	0.0	OFF	741	0	209	0.00	0	60.2	60.2	60.2	17.5	17.5
10-11 PM	781	0.0	221	0.0	OFF	781	0	221	0.00	0	60.2	60.2	60.2	17.1	17.1
11PM-MID	1604	0.0	453	0.0	OFF	1604	0	453	0.00	0	60.2	60.2	60.2	11.2	11.2

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0091
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0681

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$6,948
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: STH 32 - STH 57**

**OCTOBER**  
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 Construction Season

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

