

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
NIGHTTIME 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	3000	262	0	74	0.22	0	60.2	53.5	49.7	22.5	22.5
1-2 AM	169	0.0	48	0.0	3000	169	0	48	0.22	0	60.2	53.5	49.7	22.9	22.9
2-3 AM	138	0.0	39	0.0	3000	138	0	39	0.22	0	60.2	53.5	49.7	23.0	23.0
3-4 AM	113	0.0	31	0.0	3000	113	0	31	0.22	0	60.2	53.5	49.7	23.2	23.2
4-5 AM	157	0.0	44	0.0	3000	157	0	44	0.22	0	60.2	53.5	49.7	23.0	23.0
5-6 AM	325	0.0	92	0.0	3000	325	0	92	0.22	0	60.2	53.5	49.7	22.2	22.2
6-7 AM	404	0.0	114	0.0	3000	404	0	114	0.22	0	60.2	53.5	49.7	21.9	21.9
7-8 AM	715	0.0	202	0.0	3000	715	0	202	0.22	0	60.2	53.5	49.7	20.7	20.7
8-9 AM	1327	0.0	375	0.0	3000	1327	0	375	0.22	0	60.2	53.5	49.7	18.1	18.1
9-10 AM	2280	0.0	644	0.0	OFF	2280	0	644	0.00	0	60.2	60.2	60.2	14.2	14.2
10-11 AM	2530	0.0	715	0.0	OFF	2530	0	715	0.00	0	60.2	60.2	60.2	13.2	13.2
11A-NOON	2083	0.0	588	0.0	OFF	2083	0	588	0.00	0	60.2	60.2	60.2	15.0	15.0
NOON-1PM	2083	0.0	588	0.0	OFF	2083	0	588	0.00	0	60.2	60.2	60.2	15.0	15.0
1-2 PM	1924	0.0	543	0.0	OFF	1924	0	543	0.00	0	60.2	60.2	60.2	15.7	15.7
2-3 PM	2179	0.0	615	0.0	OFF	2179	0	615	0.00	0	60.2	60.2	60.2	14.7	14.7
3-4 PM	2223	0.0	628	0.0	OFF	2223	0	628	0.00	0	60.2	60.2	60.2	14.5	14.5
4-5 PM	2327	0.0	657	0.0	OFF	2327	0	657	0.00	0	60.2	60.2	60.2	14.0	14.0
5-6 PM	2034	0.0	574	0.0	OFF	2034	0	574	0.00	0	60.2	60.2	60.2	15.2	15.2
6-7 PM	1338	0.0	378	0.0	OFF	1338	0	378	0.00	0	60.2	60.2	60.2	18.1	18.1
7-8 PM	864	0.0	244	0.0	3000	864	0	244	0.22	0	60.2	53.5	49.7	20.1	20.1
8-9 PM	523	0.0	148	0.0	3000	523	0	148	0.22	0	60.2	53.5	49.7	21.4	21.4
9-10 PM	470	0.0	133	0.0	3000	470	0	133	0.22	0	60.2	53.5	49.7	21.7	21.7
10-11 PM	348	0.0	98	0.0	3000	348	0	98	0.22	0	60.2	53.5	49.7	22.2	22.2
11PM-MID	244	0.0	69	0.0	3000	244	0	69	0.22	0	60.2	53.5	49.7	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	0.0069
DIVERSION	0.0552

PIA: Personal Injury Accidents

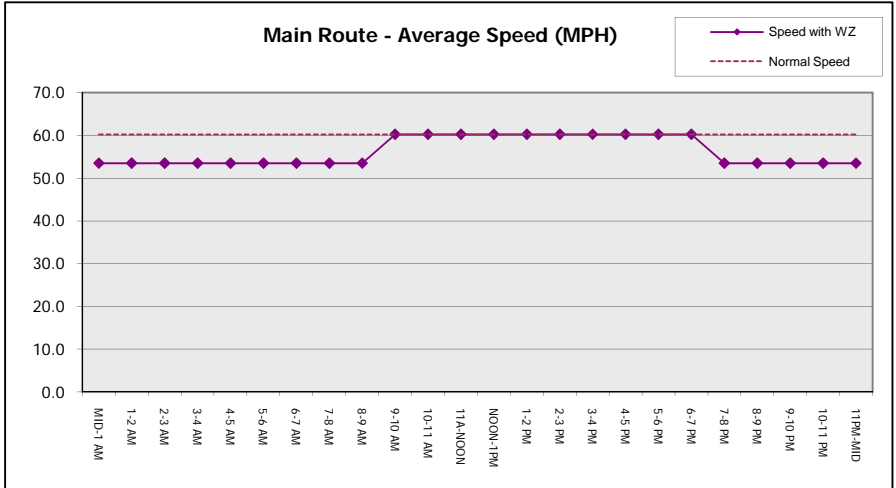
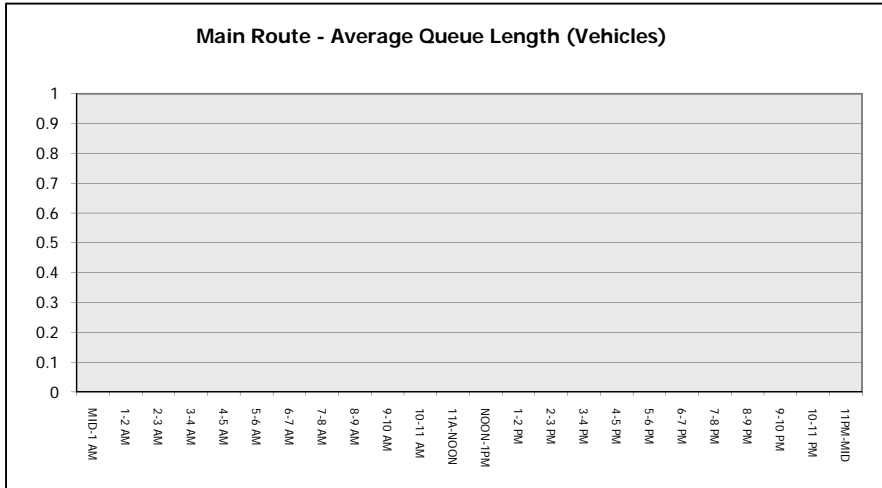
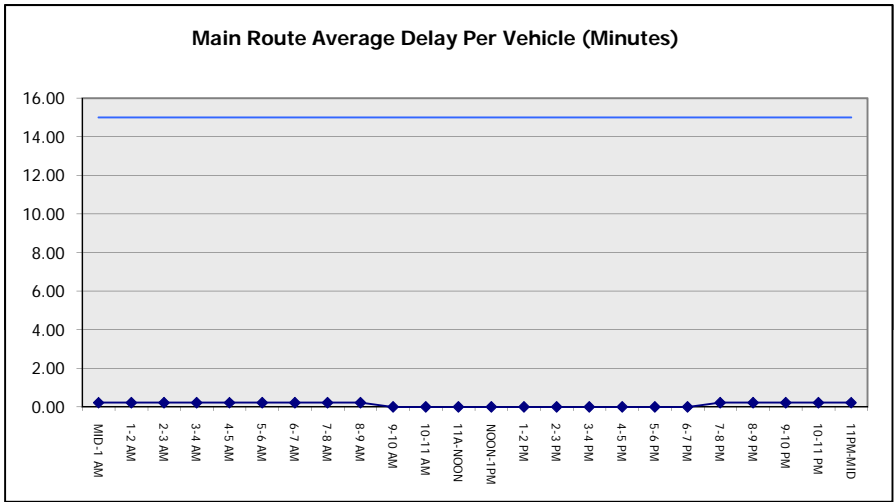
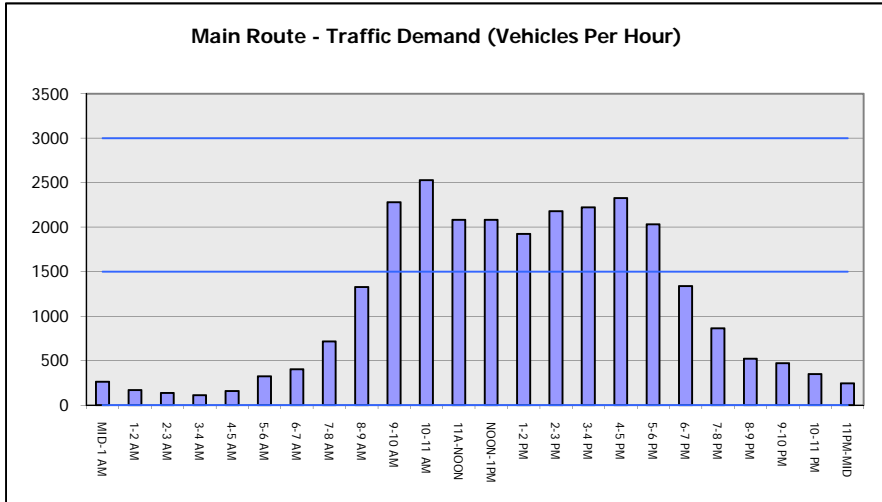
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$299
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 32 - STH 57	OCTOBER
	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	3000	598	0	168	0.22	0	60.2	53.5	49.7	18.6	18.6
1-2 AM	297	0.0	84	0.0	3000	297	0	84	0.22	0	60.2	53.5	49.7	21.1	21.1
2-3 AM	283	0.0	80	0.0	3000	283	0	80	0.22	0	60.2	53.5	49.7	21.2	21.2
3-4 AM	215	0.0	61	0.0	3000	215	0	61	0.22	0	60.2	53.5	49.7	21.8	21.8
4-5 AM	157	0.0	45	0.0	3000	157	0	45	0.22	0	60.2	53.5	49.7	22.3	22.3
5-6 AM	237	0.0	67	0.0	3000	237	0	67	0.22	0	60.2	53.5	49.7	21.6	21.6
6-7 AM	476	0.0	134	0.0	3000	476	0	134	0.22	0	60.2	53.5	49.7	19.6	19.6
7-8 AM	567	0.0	160	0.0	3000	567	0	160	0.22	0	60.2	53.5	49.7	18.9	18.9
8-9 AM	2113	0.0	596	0.0	3000	2113	0	596	0.22	0	60.2	53.5	49.7	9.5	9.5
9-10 AM	2151	0.0	607	0.0	OFF	2151	0	607	0.00	0	60.2	60.2	60.2	9.4	9.4
10-11 AM	2194	0.0	619	0.0	OFF	2194	0	619	0.00	0	60.2	60.2	60.2	9.3	9.3
11A-NOON	2097	0.0	592	0.0	OFF	2097	0	592	0.00	0	60.2	60.2	60.2	9.6	9.6
NOON-1PM	1825	0.0	516	0.0	OFF	1825	0	516	0.00	0	60.2	60.2	60.2	10.4	10.4
1-2 PM	1767	0.0	499	0.0	OFF	1767	0	499	0.00	0	60.2	60.2	60.2	10.6	10.6
2-3 PM	1914	0.0	540	0.0	OFF	1914	0	540	0.00	0	60.2	60.2	60.2	10.2	10.2
3-4 PM	2735	0.0	772	0.0	OFF	2735	0	772+	0.00	0	60.2	60.2	60.2	7.6	7.6
4-5 PM	3111	0.0	879	0.0	OFF	3111	0	879+	0.00	0	60.2	60.2	60.2	6.8	6.8
5-6 PM	3197	0.0	903	0.0	OFF	3197	0	903+	0.00	0	60.2	60.2	60.2	6.8	6.8
6-7 PM	2039	0.0	576	0.0	OFF	2039	0	576	0.00	0	60.2	60.2	60.2	9.7	9.7
7-8 PM	1343	0.0	379	0.0	3000	1343	0	379	0.22	0	60.2	53.5	49.7	12.4	12.4
8-9 PM	972	0.0	274	0.0	3000	972	0	274	0.22	0	60.2	53.5	49.7	15.5	15.5
9-10 PM	741	0.0	209	0.0	3000	741	0	209	0.22	0	60.2	53.5	49.7	17.5	17.5
10-11 PM	781	0.0	221	0.0	3000	781	0	221	0.22	0	60.2	53.5	49.7	17.1	17.1
11PM-MID	1604	0.0	453	0.0	3000	1604	0	453	0.22	0	60.2	53.5	49.7	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	0.0084
DIVERSION	0.0681

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$512
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

