

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

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	136	0.0	39	0.0	3000	136	0	39	0.22	0	60.2	53.5	49.7	23.0	23.0
1-2 AM	89	0.0	25	0.0	3000	89	0	25	0.22	0	60.2	53.5	49.7	23.2	23.2
2-3 AM	91	0.0	26	0.0	3000	91	0	26	0.22	0	60.2	53.5	49.7	23.2	23.2
3-4 AM	137	0.0	39	0.0	3000	137	0	39	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	443	0.0	126	0.0	3000	443	0	126	0.22	0	60.2	53.5	49.7	21.8	21.8
5-6 AM	1421	0.0	401	0.0	OFF	1421	0	401	0.00	0	60.2	60.2	60.2	17.8	17.8
6-7 AM	2911	0.0	821	0.0	OFF	2911	0	821	0.00	0	60.2	60.2	60.2	11.7	11.7
7-8 AM	4216	0.0	1191	0.0	OFF	4216	0	1191	0.00	0	60.2	60.2	60.2	9.6	9.6
8-9 AM	2500	0.0	705	0.0	OFF	2500	0	705	0.00	0	60.2	60.2	60.2	13.4	13.4
9-10 AM	1946	0.0	549	0.0	OFF	1946	0	549	0.00	0	60.2	60.2	60.2	15.6	15.6
10-11 AM	1968	0.0	556	0.0	OFF	1968	0	556	0.00	0	60.2	60.2	60.2	15.5	15.5
11A-NOON	2023	0.0	571	0.0	OFF	2023	0	571	0.00	0	60.2	60.2	60.2	15.3	15.3
NOON-1PM	2175	0.0	614	0.0	OFF	2175	0	614	0.00	0	60.2	60.2	60.2	14.7	14.7
1-2 PM	2175	0.0	614	0.0	OFF	2175	0	614	0.00	0	60.2	60.2	60.2	14.7	14.7
2-3 PM	2333	0.0	658	0.0	OFF	2333	0	658	0.00	0	60.2	60.2	60.2	14.0	14.0
3-4 PM	2529	0.0	715	0.0	OFF	2529	0	715	0.00	0	60.2	60.2	60.2	13.2	13.2
4-5 PM	2790	0.0	788	0.0	OFF	2790	0	788	0.00	0	60.2	60.2	60.2	12.1	12.1
5-6 PM	2751	0.0	776	0.0	OFF	2751	0	776	0.00	0	60.2	60.2	60.2	12.3	12.3
6-7 PM	1815	0.0	513	0.0	OFF	1815	0	513	0.00	0	60.2	60.2	60.2	16.1	16.1
7-8 PM	1113	0.0	314	0.0	3000	1113	0	314	0.22	0	60.2	53.5	49.7	19.0	19.0
8-9 PM	845	0.0	239	0.0	3000	845	0	239	0.22	0	60.2	53.5	49.7	20.1	20.1
9-10 PM	665	0.0	187	0.0	3000	665	0	187	0.22	0	60.2	53.5	49.7	20.9	20.9
10-11 PM	463	0.0	131	0.0	3000	463	0	131	0.22	0	60.2	53.5	49.7	21.7	21.7
11PM-MID	261	0.0	73	0.0	3000	261	0	73	0.22	0	60.2	53.5	49.7	22.5	22.5

"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	0.0102
MAIN ROUTE WITH WORKS	0.0100
DIVERSION	0.0770

PIA: Personal Injury Accidents

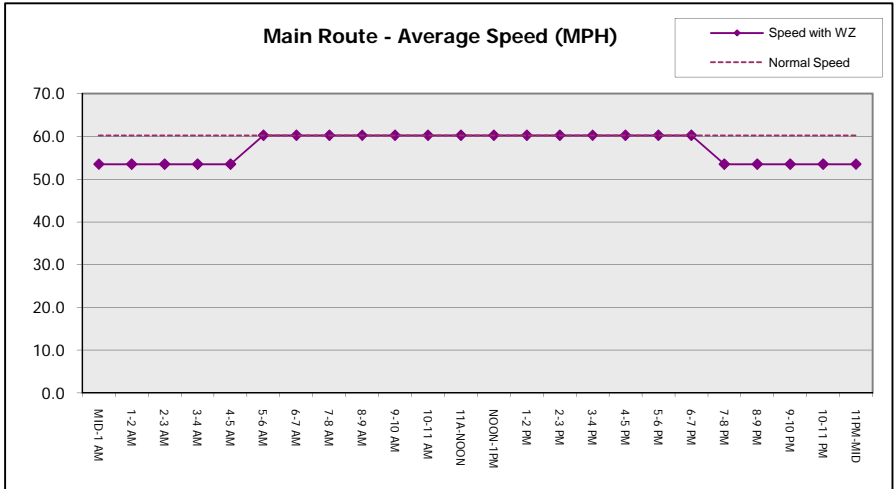
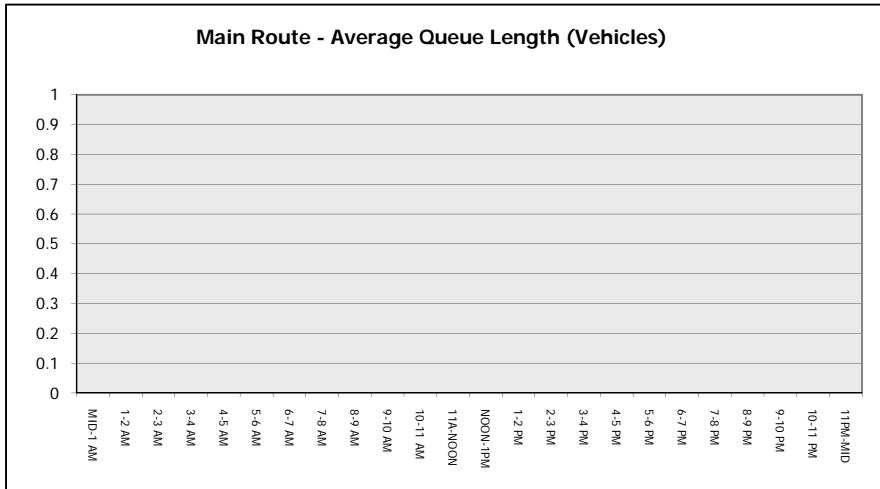
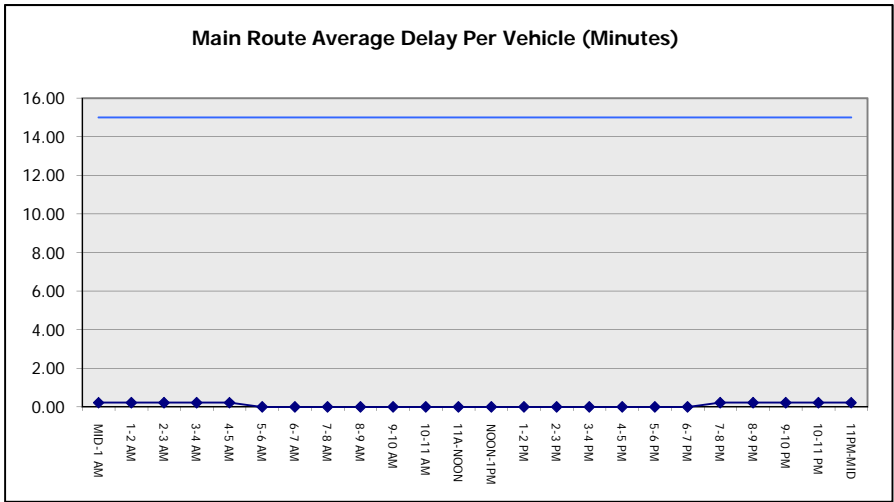
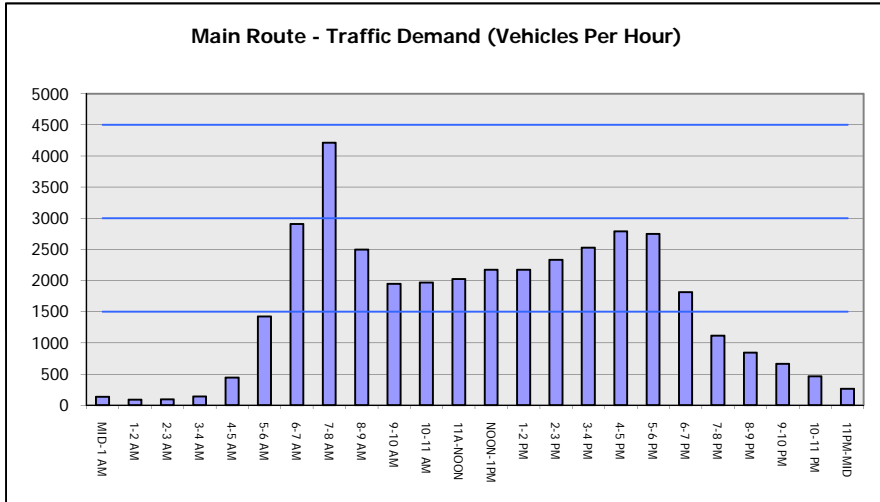
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$187
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

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	225	0.0	64	0.0	3000	225	0	64	0.22	0	60.2	53.5	49.7	21.7	21.7	
1-2 AM	142	0.0	40	0.0	3000	142	0	40	0.22	0	60.2	53.5	49.7	22.4	22.4	
2-3 AM	139	0.0	40	0.0	3000	139	0	40	0.22	0	60.2	53.5	49.7	22.4	22.4	
3-4 AM	155	0.0	44	0.0	3000	155	0	44	0.22	0	60.2	53.5	49.7	22.3	22.3	
4-5 AM	265	0.0	74	0.0	3000	265	0	74	0.22	0	60.2	53.5	49.7	21.4	21.4	
5-6 AM	678	0.0	191	0.0	OFF	678	0	191	0.00	0	60.2	60.2	60.2	17.9	17.9	
6-7 AM	1436	0.0	405	0.0	OFF	1436	0	405	0.00	0	60.2	60.2	60.2	11.7	11.7	
7-8 AM	2004	0.0	566	0.0	OFF	2004	0	566	0.00	0	60.2	60.2	60.2	9.9	9.9	
8-9 AM	1853	0.0	523	0.0	OFF	1853	0	523	0.00	0	60.2	60.2	60.2	10.4	10.4	
9-10 AM	1608	0.0	454	0.0	OFF	1608	0	454	0.00	0	60.2	60.2	60.2	11.2	11.2	
10-11 AM	1632	0.0	461	0.0	OFF	1632	0	461	0.00	0	60.2	60.2	60.2	11.1	11.1	
11A-NOON	1820	0.0	514	0.0	OFF	1820	0	514	0.00	0	60.2	60.2	60.2	10.5	10.5	
NOON-1PM	2037	0.0	576	0.0	OFF	2037	0	576	0.00	0	60.2	60.2	60.2	9.7	9.7	
1-2 PM	2106	0.0	594	0.0	OFF	2106	0	594	0.00	0	60.2	60.2	60.2	9.6	9.6	
2-3 PM	2423	0.0	684	0.0	OFF	2423	0	684	0.00	0	60.2	60.2	60.2	8.5	8.5	
3-4 PM	3340	0.0	943	0.0	OFF	3340	0	943+	0.00	0	60.2	60.2	60.2	6.8	6.8	
4-5 PM	4113	0.0	1162	0.0	OFF	4113	0	1162+	0.00	0	60.2	60.2	60.2	6.8	6.8	
5-6 PM	3587	0.0	1013	0.0	OFF	3587	0	1013+	0.00	0	60.2	60.2	60.2	6.8	6.8	
6-7 PM	2205	0.0	623	0.0	OFF	2205	0	623	0.00	0	60.2	60.2	60.2	9.2	9.2	
7-8 PM	1554	0.0	440	0.0	3000	1554	0	440	0.22	0	60.2	53.5	49.7	11.4	11.4	
8-9 PM	1305	0.0	368	0.0	3000	1305	0	368	0.22	0	60.2	53.5	49.7	12.7	12.7	
9-10 PM	1222	0.0	345	0.0	3000	1222	0	345	0.22	0	60.2	53.5	49.7	13.4	13.4	
10-11 PM	729	0.0	206	0.0	3000	729	0	206	0.22	0	60.2	53.5	49.7	17.5	17.5	
11PM-MID	502	0.0	141	0.0	3000	502	0	141	0.22	0	60.2	53.5	49.7	19.4	19.4	

"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	0.0100
MAIN ROUTE WITH WORKS	0.0096
DIVERSION	0.0756

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$275
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**

OCTOBER
Analyzed for 2009
Construction Season

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

