

**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
FRIDAY 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	167	0.0	47	0.0	3000	167	0	47	0.22	0	60.2	53.5	49.7	22.9	22.9
1-2 AM	123	0.0	35	0.0	3000	123	0	35	0.22	0	60.2	53.5	49.7	23.1	23.1
2-3 AM	116	0.0	32	0.0	3000	116	0	32	0.22	0	60.2	53.5	49.7	23.1	23.1
3-4 AM	149	0.0	42	0.0	3000	149	0	42	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	448	0.0	127	0.0	3000	448	0	127	0.22	0	60.2	53.5	49.7	21.7	21.7
5-6 AM	1324	0.0	374	0.0	OFF	1324	0	374	0.00	0	60.2	60.2	60.2	18.1	18.1
6-7 AM	2680	0.0	757	0.0	OFF	2680	0	757	0.00	0	60.2	60.2	60.2	12.6	12.6
7-8 AM	3965	0.0	1120	0.0	OFF	3965	0	1120	0.00	0	60.2	60.2	60.2	10.0	10.0
8-9 AM	2529	0.0	715	0.0	OFF	2529	0	715	0.00	0	60.2	60.2	60.2	13.2	13.2
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	2157	0.0	609	0.0	OFF	2157	0	609	0.00	0	60.2	60.2	60.2	14.7	14.7
11A-NOON	2264	0.0	639	0.0	OFF	2264	0	639	0.00	0	60.2	60.2	60.2	14.3	14.3
NOON-1PM	2362	0.0	667	0.0	OFF	2362	0	667	0.00	0	60.2	60.2	60.2	13.9	13.9
1-2 PM	2445	0.0	691	0.0	OFF	2445	0	691	0.00	0	60.2	60.2	60.2	13.5	13.5
2-3 PM	2610	0.0	737	0.0	OFF	2610	0	737	0.00	0	60.2	60.2	60.2	12.9	12.9
3-4 PM	2795	0.0	789	0.0	OFF	2795	0	789	0.00	0	60.2	60.2	60.2	12.1	12.1
4-5 PM	3080	0.0	870	0.0	OFF	3080	0	870	0.00	0	60.2	60.2	60.2	11.4	11.4
5-6 PM	3139	0.0	886	0.0	OFF	3139	0	886	0.00	0	60.2	60.2	60.2	11.4	11.4
6-7 PM	2521	0.0	712	0.0	OFF	2521	0	712	0.00	0	60.2	60.2	60.2	13.2	13.2
7-8 PM	1462	0.0	412	0.0	3000	1462	0	412	0.22	0	60.2	53.5	49.7	17.6	17.6
8-9 PM	1113	0.0	314	0.0	3000	1113	0	314	0.22	0	60.2	53.5	49.7	19.0	19.0
9-10 PM	1025	0.0	290	0.0	3000	1025	0	290	0.22	0	60.2	53.5	49.7	19.4	19.4
10-11 PM	727	0.0	205	0.0	3000	727	0	205	0.22	0	60.2	53.5	49.7	20.6	20.6
11PM-MID	434	0.0	122	0.0	3000	434	0	122	0.22	0	60.2	53.5	49.7	21.8	21.8

"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	0.0113
MAIN ROUTE WITH WORKS	0.0109
DIVERSION	0.0847

PIA: Personal Injury Accidents

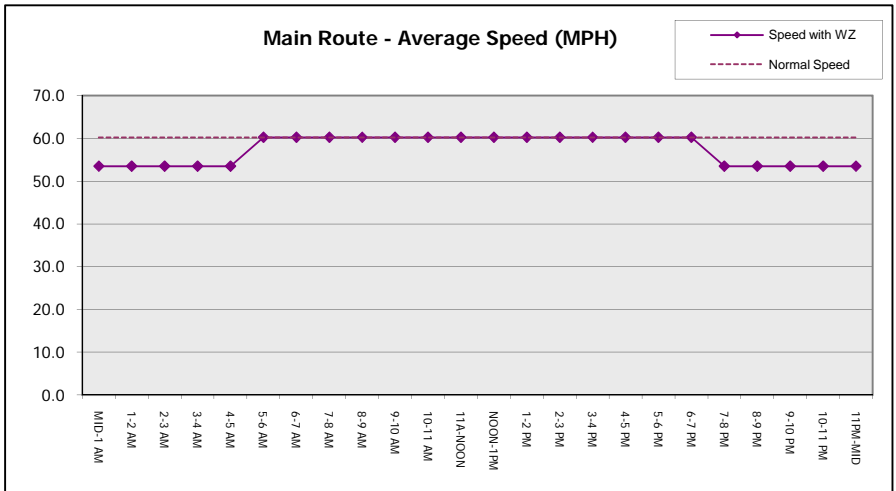
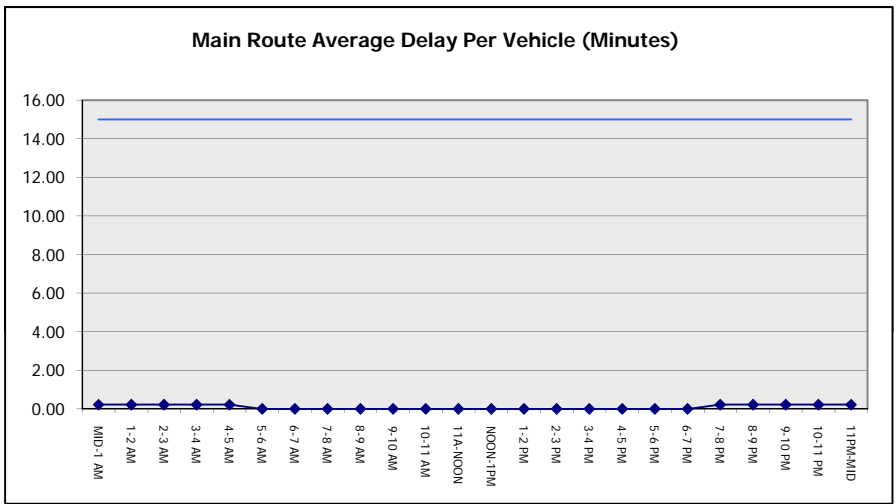
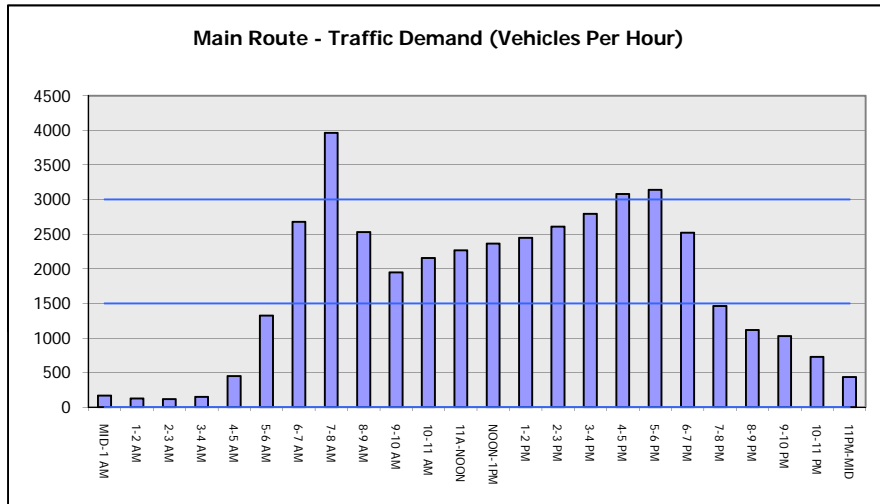
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$263
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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	
FRIDAY	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	264	0.0	74	0.0	3000	264	0	74	0.22	0	60.2	53.5	49.7	21.4	21.4
1-2 AM	227	0.0	64	0.0	3000	227	0	64	0.22	0	60.2	53.5	49.7	21.7	21.7
2-3 AM	179	0.0	50	0.0	3000	179	0	50	0.22	0	60.2	53.5	49.7	22.1	22.1
3-4 AM	144	0.0	41	0.0	3000	144	0	41	0.22	0	60.2	53.5	49.7	22.4	22.4
4-5 AM	232	0.0	66	0.0	3000	232	0	66	0.22	0	60.2	53.5	49.7	21.7	21.7
5-6 AM	595	0.0	167	0.0	OFF	595	0	167	0.00	0	60.2	60.2	60.2	18.6	18.6
6-7 AM	1466	0.0	414	0.0	OFF	1466	0	414	0.00	0	60.2	60.2	60.2	11.6	11.6
7-8 AM	1988	0.0	561	0.0	OFF	1988	0	561	0.00	0	60.2	60.2	60.2	9.9	9.9
8-9 AM	1867	0.0	527	0.0	OFF	1867	0	527	0.00	0	60.2	60.2	60.2	10.3	10.3
9-10 AM	1606	0.0	453	0.0	OFF	1606	0	453	0.00	0	60.2	60.2	60.2	11.2	11.2
10-11 AM	1879	0.0	531	0.0	OFF	1879	0	531	0.00	0	60.2	60.2	60.2	10.3	10.3
11A-NOON	2153	0.0	608	0.0	OFF	2153	0	608	0.00	0	60.2	60.2	60.2	9.4	9.4
NOON-1PM	2539	0.0	717	0.0	OFF	2539	0	717	0.00	0	60.2	60.2	60.2	8.1	8.1
1-2 PM	2586	0.0	730	0.0	OFF	2586	0	730+	0.00	0	60.2	60.2	60.2	8.0	8.0
2-3 PM	2875	0.0	812	0.0	OFF	2875	0	812+	0.00	0	60.2	60.2	60.2	7.3	7.3
3-4 PM	3774	0.0	1066	0.0	OFF	3774	0	1066+	0.00	0	60.2	60.2	60.2	6.8	6.8
4-5 PM	4383	0.0	1238	0.0	OFF	4383	0	1238+	0.00	0	60.2	60.2	60.2	6.8	6.8
5-6 PM	3716	0.0	1050	0.0	OFF	3716	0	1050+	0.00	0	60.2	60.2	60.2	6.8	6.8
6-7 PM	2566	0.0	724	0.0	OFF	2566	0	724+	0.00	0	60.2	60.2	60.2	8.0	8.0
7-8 PM	1690	0.0	477	0.0	3000	1690	0	477	0.22	0	60.2	53.5	49.7	10.9	10.9
8-9 PM	1444	0.0	408	0.0	3000	1444	0	408	0.22	0	60.2	53.5	49.7	11.7	11.7
9-10 PM	1552	0.0	438	0.0	3000	1552	0	438	0.22	0	60.2	53.5	49.7	11.4	11.4
10-11 PM	1005	0.0	284	0.0	3000	1005	0	284	0.22	0	60.2	53.5	49.7	15.2	15.2
11PM-MID	708	0.0	200	0.0	3000	708	0	200	0.22	0	60.2	53.5	49.7	17.7	17.7

"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	0.0112
MAIN ROUTE WITH WORKS	0.0107
DIVERSION	0.0845

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$340
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
FRIDAY EASTBOUND DIRECTION

