

<b>STH 172: USH 41 TO STH 57 (BROWN COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 32 - STH 57</b>	<b>OCTOBER</b>
	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	OFF	167	0	47	0.00	0	60.2	60.2	60.2	22.9	22.9
1-2 AM	123	0.0	35	0.0	OFF	123	0	35	0.00	0	60.2	60.2	60.2	23.1	23.1
2-3 AM	116	0.0	32	0.0	OFF	116	0	32	0.00	0	60.2	60.2	60.2	23.1	23.1
3-4 AM	149	0.0	42	0.0	OFF	149	0	42	0.00	0	60.2	60.2	60.2	23.0	23.0
4-5 AM	448	0.0	127	0.0	OFF	448	0	127	0.00	0	60.2	60.2	60.2	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	1499	2157	0	609	11.07	318	60.2	9.3	30.8	14.7	15.3
11A-NOON	2264	0.0	639	0.0	1499	1875	389	1028	34.31	882	60.2	5.1	30.8	14.3	12.4
NOON-1PM	2362	0.0	667	0.0	1499	1642	720	1386	42.95	1106	60.2	4.7	30.8	13.9	10.5
1-2 PM	2445	0.0	691	0.0	1499	1593	852	1543+	47.24	1219	60.2	4.5	30.8	13.5	9.8
2-3 PM	2610	0.0	737	0.0	1499	1640	969	1706+	51.60	1334	60.2	4.5	30.8	12.9	9.3
3-4 PM	2795	0.0	789	0.0	OFF	2795	0	789	3.09	309	60.2	21.4	21.4	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	OFF	1462	0	412	0.00	0	60.2	60.2	60.2	17.6	17.6
8-9 PM	1113	0.0	314	0.0	OFF	1113	0	314	0.00	0	60.2	60.2	60.2	19.0	19.0
9-10 PM	1025	0.0	290	0.0	OFF	1025	0	290	0.00	0	60.2	60.2	60.2	19.4	19.4
10-11 PM	727	0.0	205	0.0	OFF	727	0	205	0.00	0	60.2	60.2	60.2	20.6	20.6
11PM-MID	434	0.0	122	0.0	OFF	434	0	122	0.00	0	60.2	60.2	60.2	21.8	21.8

"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	0.0113
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.1059

PIA: Personal Injury Accidents

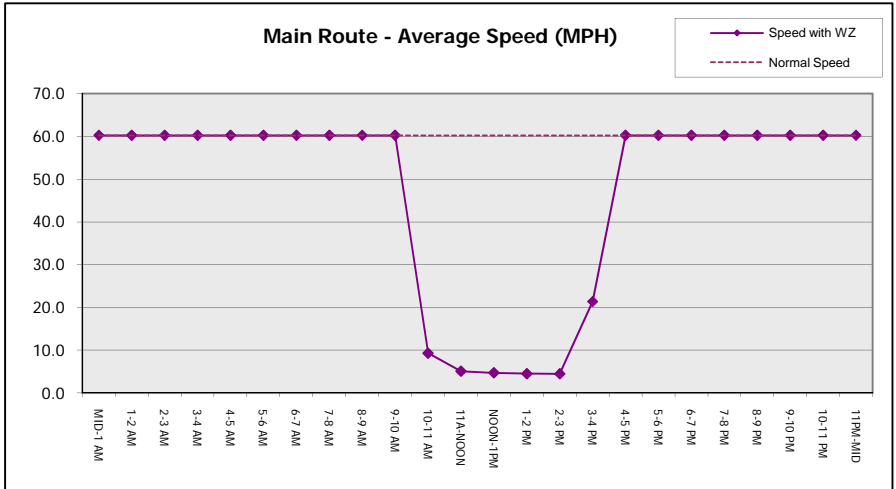
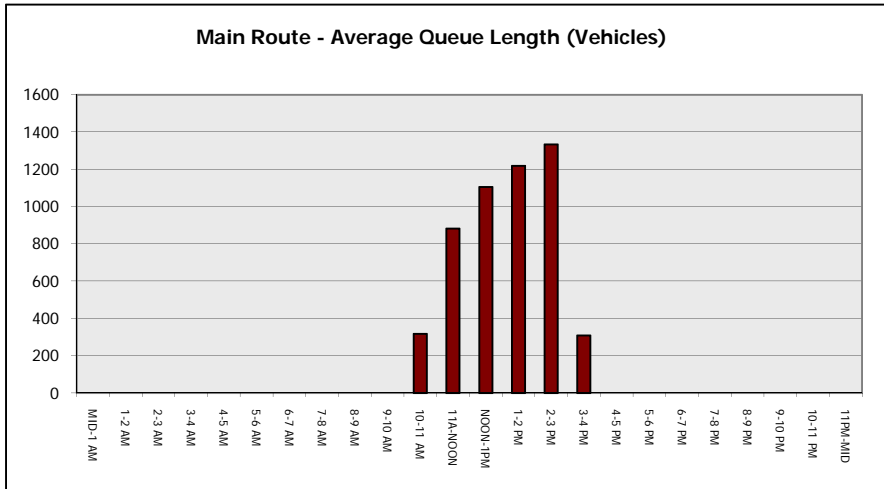
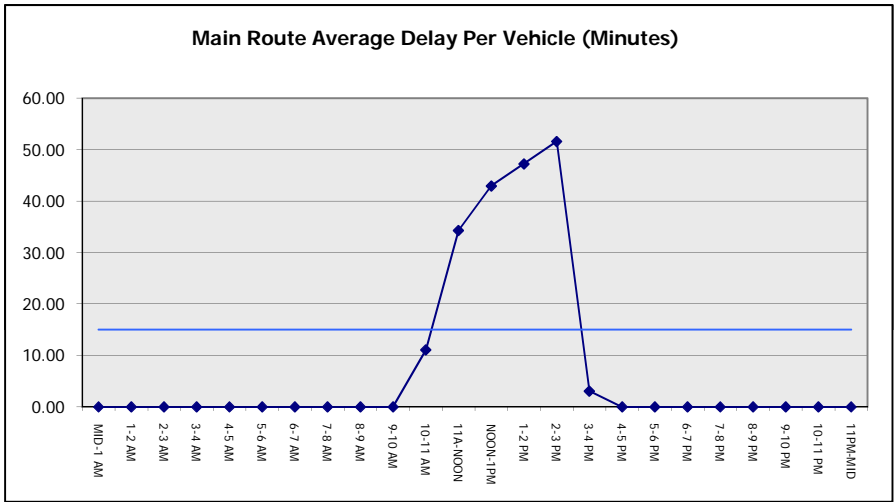
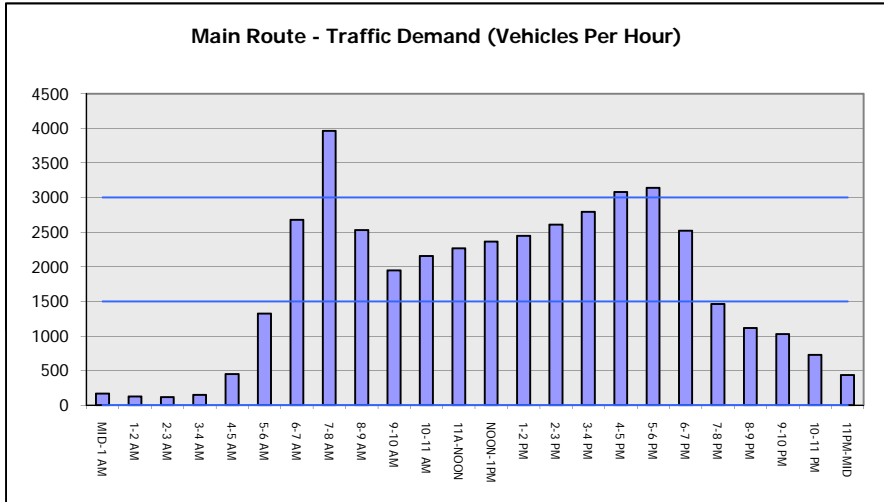
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$103,633
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>STH 172: USH 41 TO STH 57 (BROWN COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 32 - STH 57</b>	<b>OCTOBER</b> Analyzed for 2009 Construction Season
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<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	OFF	264	0	74	0.00	0	60.2	60.2	60.2	21.4	21.4	
1-2 AM	227	0.0	64	0.0	OFF	227	0	64	0.00	0	60.2	60.2	60.2	21.7	21.7	
2-3 AM	179	0.0	50	0.0	OFF	179	0	50	0.00	0	60.2	60.2	60.2	22.1	22.1	
3-4 AM	144	0.0	41	0.0	OFF	144	0	41	0.00	0	60.2	60.2	60.2	22.4	22.4	
4-5 AM	232	0.0	66	0.0	OFF	232	0	66	0.00	0	60.2	60.2	60.2	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	1499	1879	531	6.19	172	60.2	13.6	30.8	10.3	10.4	
11A-NOON	2153	0.0	608	0.0	OFF	1500	2153	608	26.16	684	60.2	5.8	30.8	9.4	10.6	
NOON-1PM	2539	0.0	717	0.0	OFF	1500	1821	717	1434+	51.58	1335	60.2	4.5	30.8	8.1	9.3
1-2 PM	2586	0.0	730	0.0	OFF	1500	1526	1061	1791+	54.08	1399	60.2	4.4	30.8	8.0	9.0
2-3 PM	2875	0.0	812	0.0	OFF	1500	1561	1314	2126+	54.59	1413	60.2	4.3	30.8	7.3	8.9
3-4 PM	3774	0.0	1066	0.0	OFF	3774	0	1066+	4.81	465	60.2	15.7	15.7	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	OFF	1690	0	477	0.00	0	60.2	60.2	60.2	10.9	10.9	
8-9 PM	1444	0.0	408	0.0	OFF	1444	0	408	0.00	0	60.2	60.2	60.2	11.7	11.7	
9-10 PM	1552	0.0	438	0.0	OFF	1552	0	438	0.00	0	60.2	60.2	60.2	11.4	11.4	
10-11 PM	1005	0.0	284	0.0	OFF	1005	0	284	0.00	0	60.2	60.2	60.2	15.2	15.2	
11PM-MID	708	0.0	200	0.0	OFF	708	0	200	0.00	0	60.2	60.2	60.2	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	0.0098
DIVERSION	0.1068

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$115,312
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
Analyzed for 2009  
Construction Season

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

