

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
CONTINUOUS (24 HOUR) 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	3000	1324	0	374	0.22	0	60.2	53.5	49.7	18.1	18.1
6-7 AM	2680	0.0	757	0.0	2999	2680	0	757	0.42	1	60.2	48.3	43.5	12.6	12.7
7-8 AM	3965	0.0	1120	0.0	3000	3965	0	1120	8.35	491	60.2	13.4	37.3	10.0	10.9
8-9 AM	2529	0.0	715	0.0	2999	2529	0	715	14.74	797	60.2	10.2	37.5	13.2	15.0
9-10 AM	1946	0.0	549	0.0	3000	1946	0	549	1.19	123	60.2	36.1	49.2	15.6	15.7
10-11 AM	2157	0.0	609	0.0	3000	2157	0	609	0.22	0	60.2	53.5	49.7	14.7	14.7
11A-NOON	2264	0.0	639	0.0	3000	2264	0	639	0.22	0	60.2	53.5	49.7	14.3	14.3
NOON-1PM	2362	0.0	667	0.0	3000	2362	0	667	0.22	0	60.2	53.5	49.7	13.9	13.9
1-2 PM	2445	0.0	691	0.0	3000	2445	0	691	0.25	0	60.2	52.4	48.2	13.5	13.5
2-3 PM	2610	0.0	737	0.0	3000	2610	0	737	0.36	0	60.2	49.6	44.3	12.9	12.9
3-4 PM	2795	0.0	789	0.0	2999	2795	0	789	0.49	0	60.2	46.8	40.7	12.1	12.1
4-5 PM	3080	0.0	870	0.0	2999	3080	0	870	1.11	29	60.2	36.4	37.3	11.4	11.4
5-6 PM	3139	0.0	886	0.0	3000	3139	0	886	3.55	167	60.2	19.7	37.3	11.4	11.4
6-7 PM	2521	0.0	712	0.0	2999	2521	0	712	1.21	81	60.2	35.2	44.0	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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0085
DIVERSION	0.0847

PIA: Personal Injury Accidents

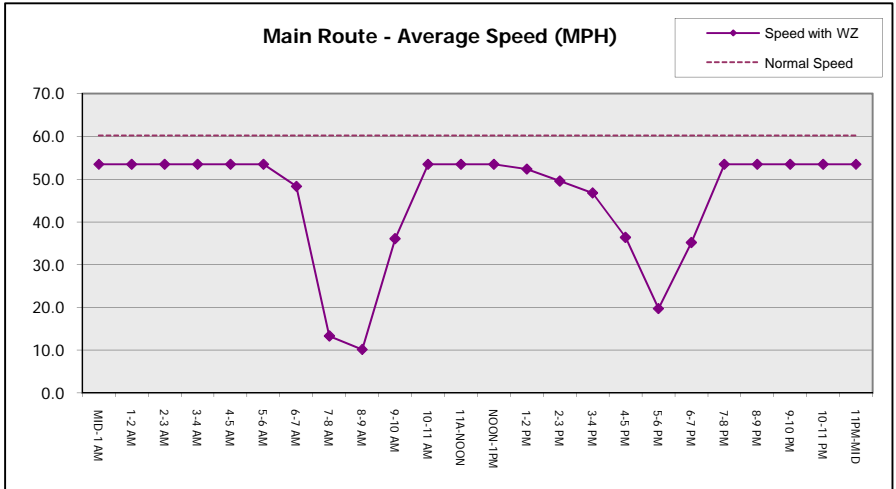
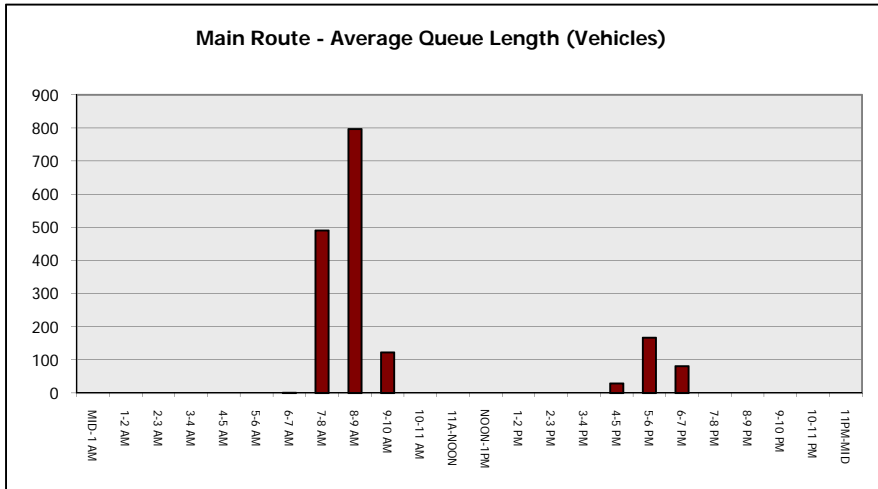
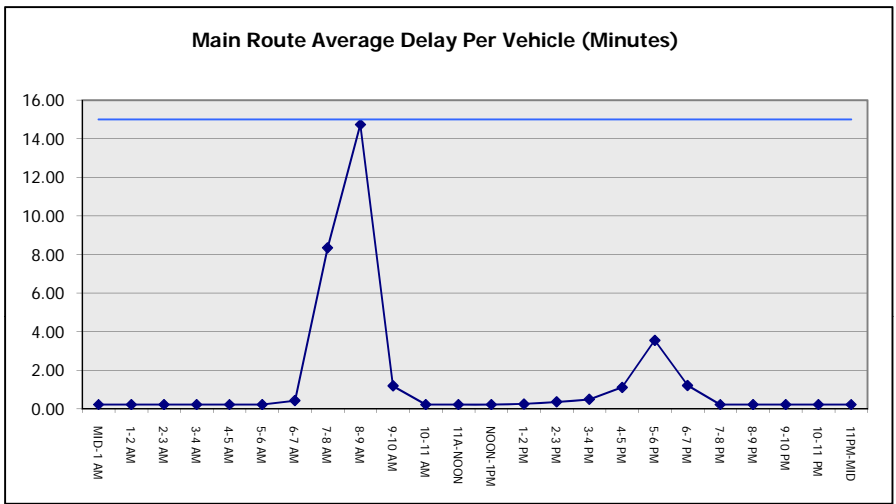
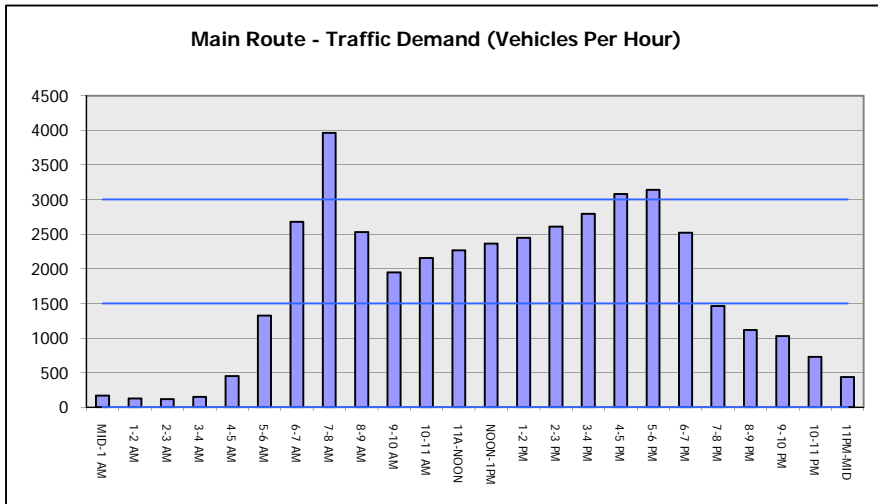
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$22,625
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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			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	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	3000	595	0	167	0.22	0	60.2	53.5	49.7	18.6	18.6
6-7 AM	1466	0.0	414	0.0	3000	1466	0	414	0.22	0	60.2	53.5	49.7	11.6	11.6
7-8 AM	1988	0.0	561	0.0	3000	1988	0	561	0.22	0	60.2	53.5	49.7	9.9	9.9
8-9 AM	1867	0.0	527	0.0	3000	1867	0	527	0.22	0	60.2	53.5	49.7	10.3	10.3
9-10 AM	1606	0.0	453	0.0	3000	1606	0	453	0.22	0	60.2	53.5	49.7	11.2	11.2
10-11 AM	1879	0.0	531	0.0	3000	1879	0	531	0.22	0	60.2	53.5	49.7	10.3	10.3
11A-NOON	2153	0.0	608	0.0	3000	2153	0	608	0.22	0	60.2	53.5	49.7	9.4	9.4
NOON-1PM	2539	0.0	717	0.0	3000	2539	0	717	0.32	0	60.2	50.7	45.9	8.1	8.1
1-2 PM	2586	0.0	730	0.0	2999	2586	0	730+	0.35	0	60.2	50.0	44.8	8.0	8.0
2-3 PM	2875	0.0	812	0.0	2999	2875	0	812+	0.58	2	60.2	44.9	39.6	7.3	7.3
3-4 PM	3774	0.0	1066	0.0	3000	3774	0	1066+	5.87	351	60.2	15.8	37.3	6.8	7.2
4-5 PM	4383	0.0	1238	0.0	3000	4383	0	1238+	26.65	1479	60.2	8.6	37.3	6.8	9.3
5-6 PM	3716	0.0	1050	0.0	3000	3716	0	1050+	46.94	2584	60.2	7.5	37.3	6.8	11.0
6-7 PM	2566	0.0	724	0.0	3000	2506	60	784+	49.20	2709	60.2	7.5	37.3	8.0	12.3
7-8 PM	1690	0.0	477	0.0	3000	1658	32	509	31.68	1747	60.2	8.1	37.3	10.9	14.3
8-9 PM	1444	0.0	408	0.0	2999	1444	0	408	2.65	357	60.2	27.4	48.6	11.7	12.4
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

+ 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	0.0085
DIVERSION	0.0851

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$117,033
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY EASTBOUND DIRECTION

