

**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
SATURDAY 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	281	0.0	80	0.0	3000	281	0	80	0.22	0	60.2	53.5	49.7	22.4	22.4
1-2 AM	166	0.0	47	0.0	3000	166	0	47	0.22	0	60.2	53.5	49.7	22.9	22.9
2-3 AM	143	0.0	41	0.0	3000	143	0	41	0.22	0	60.2	53.5	49.7	23.0	23.0
3-4 AM	127	0.0	36	0.0	3000	127	0	36	0.22	0	60.2	53.5	49.7	23.1	23.1
4-5 AM	224	0.0	63	0.0	3000	224	0	63	0.22	0	60.2	53.5	49.7	22.7	22.7
5-6 AM	422	0.0	119	0.0	3000	422	0	119	0.22	0	60.2	53.5	49.7	21.9	21.9
6-7 AM	731	0.0	206	0.0	3000	731	0	206	0.22	0	60.2	53.5	49.7	20.6	20.6
7-8 AM	1101	0.0	311	0.0	3000	1101	0	311	0.22	0	60.2	53.5	49.7	19.1	19.1
8-9 AM	1689	0.0	477	0.0	OFF	1689	0	477	0.00	0	60.2	60.2	60.2	16.6	16.6
9-10 AM	2016	0.0	569	0.0	OFF	2016	0	569	0.00	0	60.2	60.2	60.2	15.3	15.3
10-11 AM	2183	0.0	616	0.0	OFF	2183	0	616	0.00	0	60.2	60.2	60.2	14.6	14.6
11A-NOON	2371	0.0	670	0.0	OFF	2371	0	670	0.00	0	60.2	60.2	60.2	13.8	13.8
NOON-1PM	2397	0.0	677	0.0	OFF	2397	0	677	0.00	0	60.2	60.2	60.2	13.7	13.7
1-2 PM	2261	0.0	638	0.0	OFF	2261	0	638	0.00	0	60.2	60.2	60.2	14.3	14.3
2-3 PM	2196	0.0	621	0.0	OFF	2196	0	621	0.00	0	60.2	60.2	60.2	14.5	14.5
3-4 PM	2118	0.0	599	0.0	OFF	2118	0	599	0.00	0	60.2	60.2	60.2	14.9	14.9
4-5 PM	2108	0.0	595	0.0	OFF	2108	0	595	0.00	0	60.2	60.2	60.2	14.9	14.9
5-6 PM	2062	0.0	582	0.0	OFF	2062	0	582	0.00	0	60.2	60.2	60.2	15.2	15.2
6-7 PM	1886	0.0	533	0.0	3000	1886	0	533	0.22	0	60.2	53.5	49.7	15.8	15.8
7-8 PM	1416	0.0	400	0.0	3000	1416	0	400	0.22	0	60.2	53.5	49.7	17.8	17.8
8-9 PM	1161	0.0	328	0.0	3000	1161	0	328	0.22	0	60.2	53.5	49.7	18.8	18.8
9-10 PM	936	0.0	265	0.0	3000	936	0	265	0.22	0	60.2	53.5	49.7	19.7	19.7
10-11 PM	668	0.0	188	0.0	3000	668	0	188	0.22	0	60.2	53.5	49.7	20.9	20.9
11PM-MID	461	0.0	130	0.0	3000	461	0	130	0.22	0	60.2	53.5	49.7	21.7	21.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0084
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0634

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$489
CONGESTED HOURS PER DAY*	0

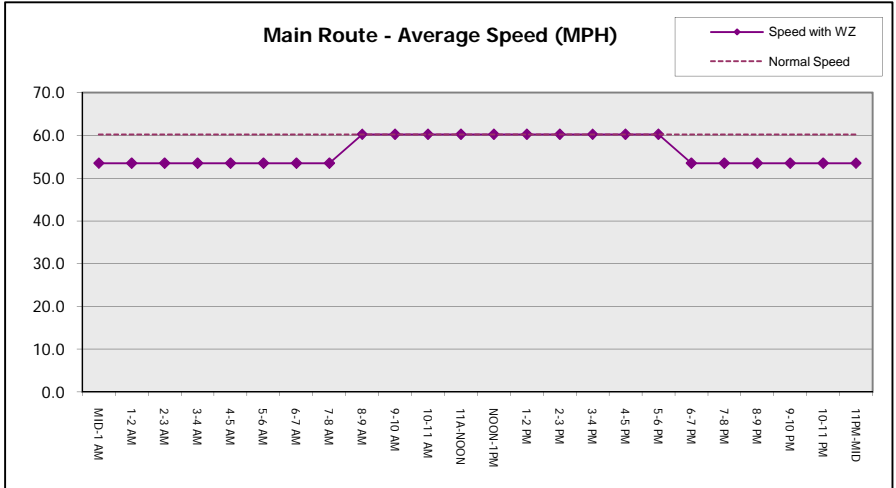
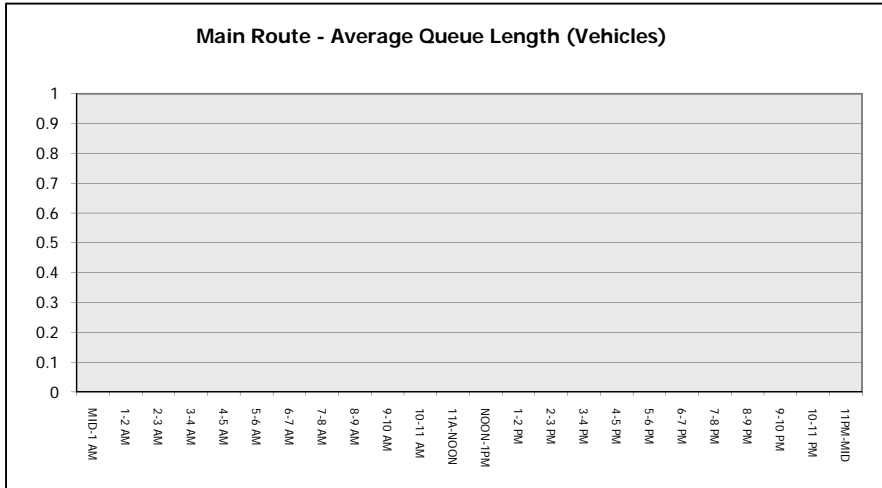
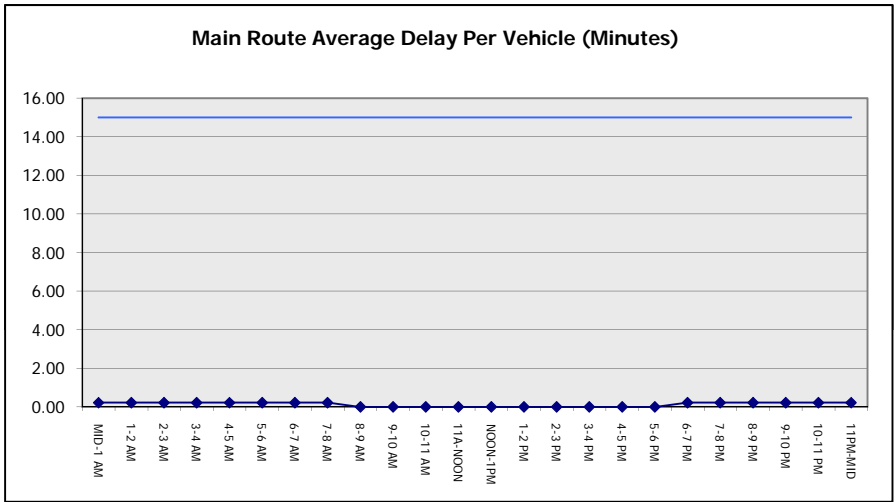
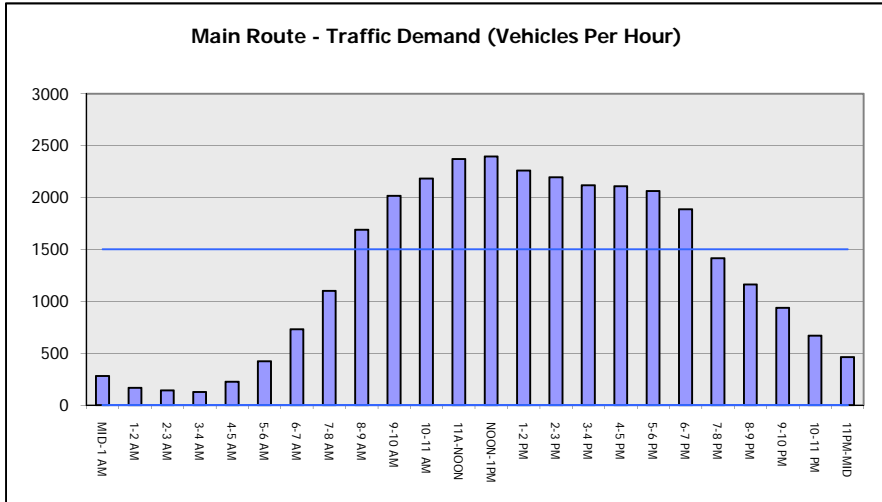
*Delays Exceeding 15 Minutes

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY 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	
SATURDAY	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	459	0.0	130	0.0	3000	459	0	130	0.22	0	60.2	53.5	49.7	19.7	19.7
1-2 AM	248	0.0	70	0.0	3000	248	0	70	0.22	0	60.2	53.5	49.7	21.5	21.5
2-3 AM	236	0.0	67	0.0	3000	236	0	67	0.22	0	60.2	53.5	49.7	21.6	21.6
3-4 AM	327	0.0	92	0.0	3000	327	0	92	0.22	0	60.2	53.5	49.7	20.9	20.9
4-5 AM	323	0.0	91	0.0	3000	323	0	91	0.22	0	60.2	53.5	49.7	20.9	20.9
5-6 AM	392	0.0	111	0.0	3000	392	0	111	0.22	0	60.2	53.5	49.7	20.3	20.3
6-7 AM	465	0.0	131	0.0	3000	465	0	131	0.22	0	60.2	53.5	49.7	19.7	19.7
7-8 AM	658	0.0	186	0.0	3000	658	0	186	0.22	0	60.2	53.5	49.7	18.1	18.1
8-9 AM	1094	0.0	309	0.0	OFF	1094	0	309	0.00	0	60.2	60.2	60.2	14.5	14.5
9-10 AM	1296	0.0	366	0.0	OFF	1296	0	366	0.00	0	60.2	60.2	60.2	12.8	12.8
10-11 AM	2011	0.0	568	0.0	OFF	2011	0	568	0.00	0	60.2	60.2	60.2	9.8	9.8
11A-NOON	2171	0.0	613	0.0	OFF	2171	0	613	0.00	0	60.2	60.2	60.2	9.3	9.3
NOON-1PM	2067	0.0	584	0.0	OFF	2067	0	584	0.00	0	60.2	60.2	60.2	9.7	9.7
1-2 PM	1986	0.0	561	0.0	OFF	1986	0	561	0.00	0	60.2	60.2	60.2	9.9	9.9
2-3 PM	2039	0.0	576	0.0	OFF	2039	0	576	0.00	0	60.2	60.2	60.2	9.7	9.7
3-4 PM	2026	0.0	572	0.0	OFF	2026	0	572	0.00	0	60.2	60.2	60.2	9.8	9.8
4-5 PM	1991	0.0	562	0.0	OFF	1991	0	562	0.00	0	60.2	60.2	60.2	9.9	9.9
5-6 PM	1951	0.0	551	0.0	OFF	1951	0	551	0.00	0	60.2	60.2	60.2	10.1	10.1
6-7 PM	1928	0.0	544	0.0	3000	1928	0	544	0.22	0	60.2	53.5	49.7	10.1	10.1
7-8 PM	1457	0.0	411	0.0	3000	1457	0	411	0.22	0	60.2	53.5	49.7	11.7	11.7
8-9 PM	1251	0.0	354	0.0	3000	1251	0	354	0.22	0	60.2	53.5	49.7	13.2	13.2
9-10 PM	1214	0.0	343	0.0	3000	1214	0	343	0.22	0	60.2	53.5	49.7	13.5	13.5
10-11 PM	878	0.0	248	0.0	3000	878	0	248	0.22	0	60.2	53.5	49.7	16.3	16.3
11PM-MID	803	0.0	227	0.0	3000	803	0	227	0.22	0	60.2	53.5	49.7	16.9	16.9

"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	0.0079
MAIN ROUTE WITH WORKS	0.0072
DIVERSION	0.0597

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$535
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

