

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

AUGUST

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	201	0.0	56	0.0	1500	201	0	56	0.35	0	60.2	49.9	44.6	22.8	22.8
1-2 AM	127	0.0	36	0.0	1500	127	0	36	0.34	0	60.2	50.1	45.0	23.1	23.1
2-3 AM	118	0.0	33	0.0	1500	118	0	33	0.34	0	60.2	50.1	45.0	23.1	23.1
3-4 AM	154	0.0	44	0.0	1500	154	0	44	0.35	0	60.2	50.0	44.9	23.0	23.0
4-5 AM	444	0.0	126	0.0	1500	444	0	126	0.38	0	60.2	49.1	43.7	21.8	21.8
5-6 AM	1445	0.0	408	0.0	OFF	1445	0	408	0.00	0	60.2	60.2	60.2	17.6	17.6
6-7 AM	2897	0.0	818	0.0	OFF	2897	0	818	0.00	0	60.2	60.2	60.2	11.7	11.7
7-8 AM	3942	0.0	1113	0.0	OFF	3942	0	1113	0.00	0	60.2	60.2	60.2	10.1	10.1
8-9 AM	2482	0.0	701	0.0	OFF	2482	0	701	0.00	0	60.2	60.2	60.2	13.4	13.4
9-10 AM	2084	0.0	588	0.0	OFF	2084	0	588	0.00	0	60.2	60.2	60.2	15.0	15.0
10-11 AM	2152	0.0	608	0.0	OFF	2152	0	608	0.00	0	60.2	60.2	60.2	14.7	14.7
11A-NOON	2307	0.0	652	0.0	OFF	2307	0	652	0.00	0	60.2	60.2	60.2	14.1	14.1
NOON-1PM	2377	0.0	672	0.0	OFF	2377	0	672	0.00	0	60.2	60.2	60.2	13.8	13.8
1-2 PM	2364	0.0	668	0.0	OFF	2364	0	668	0.00	0	60.2	60.2	60.2	13.8	13.8
2-3 PM	2468	0.0	697	0.0	OFF	2468	0	697	0.00	0	60.2	60.2	60.2	13.5	13.5
3-4 PM	2542	0.0	718	0.0	OFF	2542	0	718	0.00	0	60.2	60.2	60.2	13.2	13.2
4-5 PM	2839	0.0	801	0.0	OFF	2839	0	801	0.00	0	60.2	60.2	60.2	11.9	11.9
5-6 PM	2912	0.0	822	0.0	OFF	2912	0	822	0.00	0	60.2	60.2	60.2	11.7	11.7
6-7 PM	1973	0.0	558	0.0	OFF	1973	0	558	0.00	0	60.2	60.2	60.2	15.5	15.5
7-8 PM	1375	0.0	388	0.0	1500	1375	0	388	0.81	0	60.2	40.8	33.6	17.9	17.9
8-9 PM	1104	0.0	312	0.0	1500	1104	0	312	0.46	0	60.2	47.3	41.3	19.1	19.1
9-10 PM	831	0.0	234	0.0	1500	831	0	234	0.43	0	60.2	48.0	42.3	20.2	20.2
10-11 PM	584	0.0	165	0.0	1500	584	0	165	0.40	0	60.2	48.7	43.2	21.2	21.2
11PM-MID	352	0.0	99	0.0	1500	352	0	99	0.37	0	60.2	49.4	44.1	22.2	22.2

"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	0.0109
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0817

PIA: Personal Injury Accidents

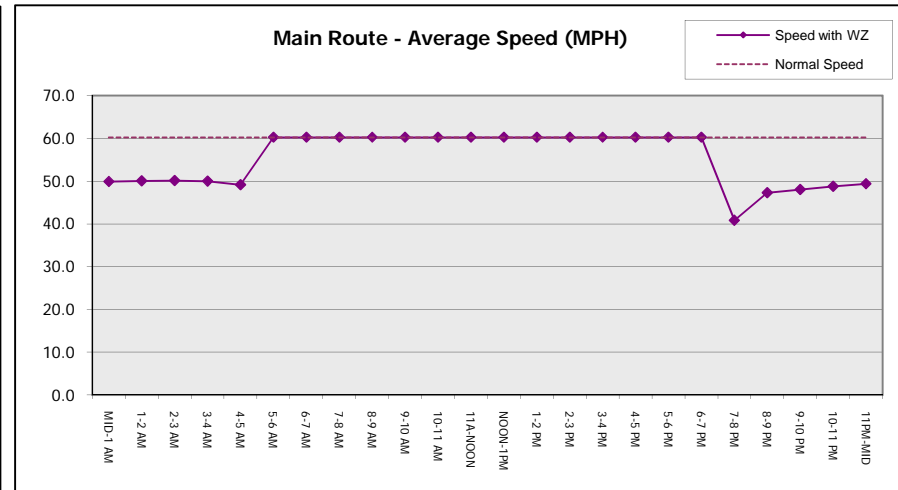
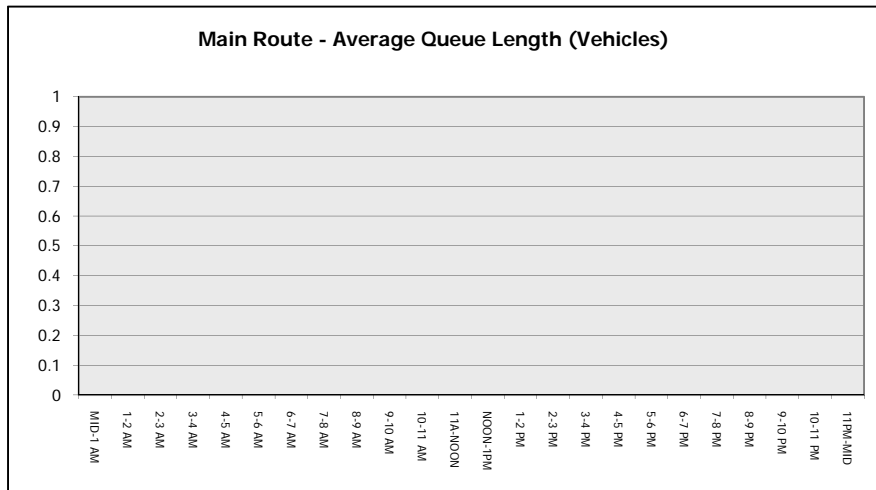
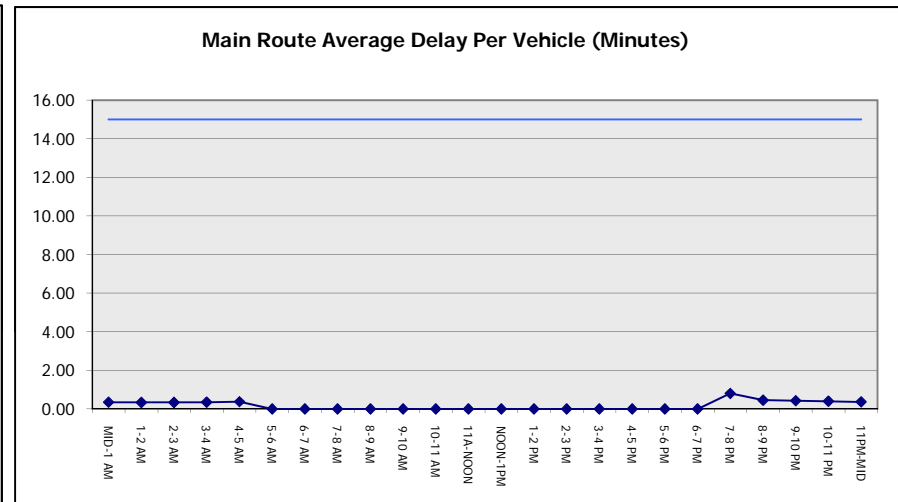
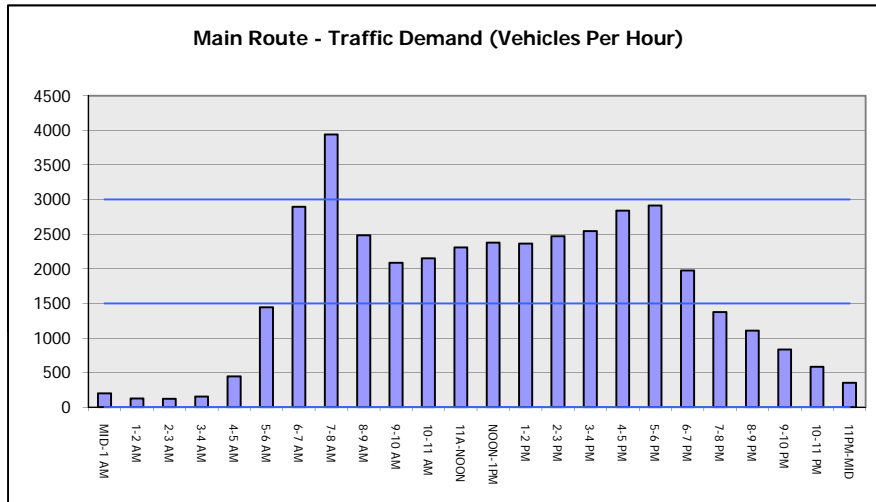
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$668
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

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



STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57	AUGUST
	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	267	0.0	75	0.0	1500	267	0	75	0.36	0	60.2	49.7	44.4	22.5	22.5	
1-2 AM	171	0.0	48	0.0	1500	171	0	48	0.35	0	60.2	49.9	44.8	22.9	22.9	
2-3 AM	162	0.0	46	0.0	1500	162	0	46	0.35	0	60.2	50.0	44.8	22.9	22.9	
3-4 AM	156	0.0	44	0.0	1500	156	0	44	0.35	0	60.2	50.0	44.8	23.0	23.0	
4-5 AM	263	0.0	74	0.0	1500	263	0	74	0.36	0	60.2	49.7	44.4	22.5	22.5	
5-6 AM	676	0.0	190	0.0	OFF	676	0	190	0.00	0	60.2	60.2	60.2	20.8	20.8	
6-7 AM	1486	0.0	420	0.0	OFF	1486	0	420	0.00	0	60.2	60.2	60.2	17.5	17.5	
7-8 AM	2044	0.0	578	0.0	OFF	2044	0	578	0.00	0	60.2	60.2	60.2	15.2	15.2	
8-9 AM	1801	0.0	508	0.0	OFF	1801	0	508	0.00	0	60.2	60.2	60.2	16.2	16.2	
9-10 AM	1759	0.0	497	0.0	OFF	1759	0	497	0.00	0	60.2	60.2	60.2	16.3	16.3	
10-11 AM	1883	0.0	531	0.0	OFF	1883	0	531	0.00	0	60.2	60.2	60.2	15.8	15.8	
11A-NOON	2105	0.0	594	0.0	OFF	2105	0	594	0.00	0	60.2	60.2	60.2	15.0	15.0	
NOON-1PM	2281	0.0	643	0.0	OFF	2281	0	643	0.00	0	60.2	60.2	60.2	14.2	14.2	
1-2 PM	2322	0.0	656	0.0	OFF	2322	0	656	0.00	0	60.2	60.2	60.2	14.0	14.0	
2-3 PM	2737	0.0	773	0.0	OFF	2737	0	773	0.00	0	60.2	60.2	60.2	12.4	12.4	
3-4 PM	3431	0.0	969	0.0	OFF	3431	0	969	0.00	0	60.2	60.2	60.2	10.9	10.9	
4-5 PM	4375	0.0	1236	0.0	OFF	4375	0	1236	0.00	0	60.2	60.2	60.2	9.4	9.4	
5-6 PM	3913	0.0	1105	0.0	OFF	3913	0	1105	0.00	0	60.2	60.2	60.2	10.1	10.1	
6-7 PM	2397	0.0	677	0.0	OFF	2397	0	677	0.00	0	60.2	60.2	60.2	13.7	13.7	
7-8 PM	1692	0.0	478	0.0	1499	1692	0	478	5.19	123	60.2	14.9	30.8	16.6	16.6	
8-9 PM	1536	0.0	433	0.0	1500	1536	0	433	9.49	224	60.2	9.7	30.8	17.3	17.5	
9-10 PM	1234	0.0	348	0.0	1499	1234	0	348	3.77	118	60.2	18.8	34.0	18.5	18.6	
10-11 PM	865	0.0	244	0.0	1500	865	0	244	0.44	0	60.2	47.9	42.2	20.1	20.1	
11PM-MID	532	0.0	151	0.0	1500	532	0	151	0.39	0	60.2	48.9	43.4	21.4	21.4	

"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	0.0109
MAIN ROUTE WITH WORKS	0.0104
DIVERSION	0.0817

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$7,110
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 NIGHTTIME 2 LANE CLOSURE
 DIVERSION ROUTE: STH 32 - STH 57**

AUGUST
 Analyzed for 2009
 Construction Season

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

