

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

MAY
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	275	0.0	77	0.0	3000	275	0	77	0.22	0	60.2	53.5	49.7	22.5	22.5
1-2 AM	152	0.0	43	0.0	3000	152	0	43	0.22	0	60.2	53.5	49.7	23.0	23.0
2-3 AM	140	0.0	40	0.0	3000	140	0	40	0.22	0	60.2	53.5	49.7	23.0	23.0
3-4 AM	120	0.0	33	0.0	3000	120	0	33	0.22	0	60.2	53.5	49.7	23.1	23.1
4-5 AM	211	0.0	60	0.0	3000	211	0	60	0.22	0	60.2	53.5	49.7	22.7	22.7
5-6 AM	433	0.0	122	0.0	3000	433	0	122	0.22	0	60.2	53.5	49.7	21.8	21.8
6-7 AM	712	0.0	201	0.0	3000	712	0	201	0.22	0	60.2	53.5	49.7	20.7	20.7
7-8 AM	1113	0.0	314	0.0	3000	1113	0	314	0.22	0	60.2	53.5	49.7	19.0	19.0
8-9 AM	1607	0.0	454	0.0	OFF	1607	0	454	0.00	0	60.2	60.2	60.2	17.0	17.0
9-10 AM	1902	0.0	537	0.0	OFF	1902	0	537	0.00	0	60.2	60.2	60.2	15.8	15.8
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	2352	0.0	664	0.0	OFF	2352	0	664	0.00	0	60.2	60.2	60.2	13.9	13.9
NOON-1PM	2357	0.0	665	0.0	OFF	2357	0	665	0.00	0	60.2	60.2	60.2	13.9	13.9
1-2 PM	2210	0.0	624	0.0	OFF	2210	0	624	0.00	0	60.2	60.2	60.2	14.5	14.5
2-3 PM	2165	0.0	611	0.0	OFF	2165	0	611	0.00	0	60.2	60.2	60.2	14.7	14.7
3-4 PM	2139	0.0	604	0.0	OFF	2139	0	604	0.00	0	60.2	60.2	60.2	14.8	14.8
4-5 PM	2056	0.0	581	0.0	OFF	2056	0	581	0.00	0	60.2	60.2	60.2	15.2	15.2
5-6 PM	1933	0.0	546	0.0	OFF	1933	0	546	0.00	0	60.2	60.2	60.2	15.6	15.6
6-7 PM	1461	0.0	412	0.0	3000	1461	0	412	0.22	0	60.2	53.5	49.7	17.6	17.6
7-8 PM	1222	0.0	345	0.0	3000	1222	0	345	0.22	0	60.2	53.5	49.7	18.6	18.6
8-9 PM	1012	0.0	286	0.0	3000	1012	0	286	0.22	0	60.2	53.5	49.7	19.4	19.4
9-10 PM	857	0.0	242	0.0	3000	857	0	242	0.22	0	60.2	53.5	49.7	20.1	20.1
10-11 PM	595	0.0	167	0.0	3000	595	0	167	0.22	0	60.2	53.5	49.7	21.2	21.2
11PM-MID	541	0.0	153	0.0	3000	541	0	153	0.22	0	60.2	53.5	49.7	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 (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	0.0081
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0606

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$441
CONGESTED HOURS PER DAY*	0

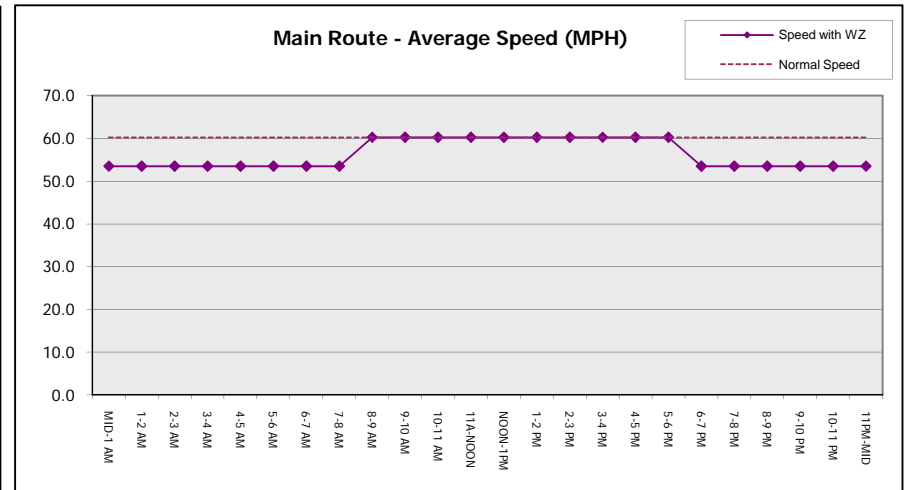
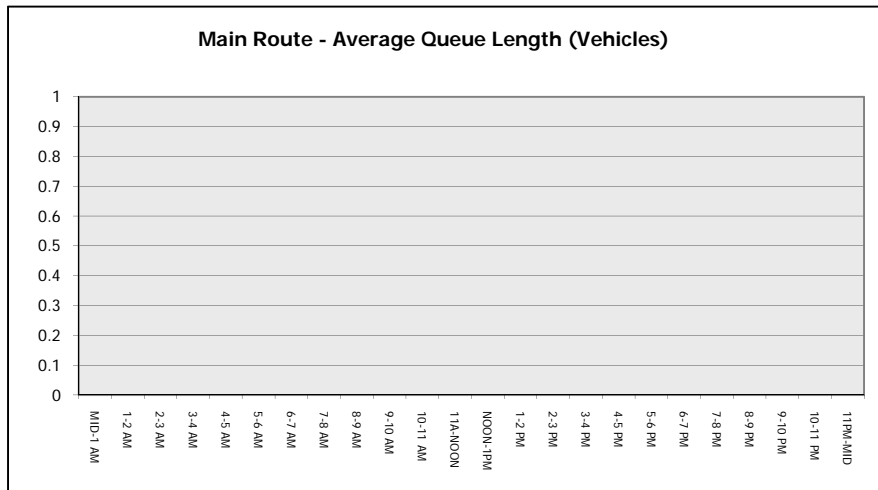
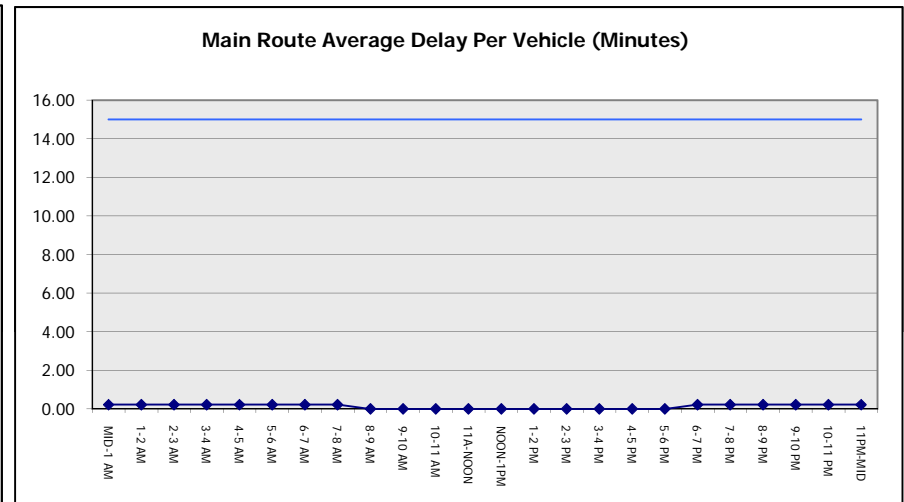
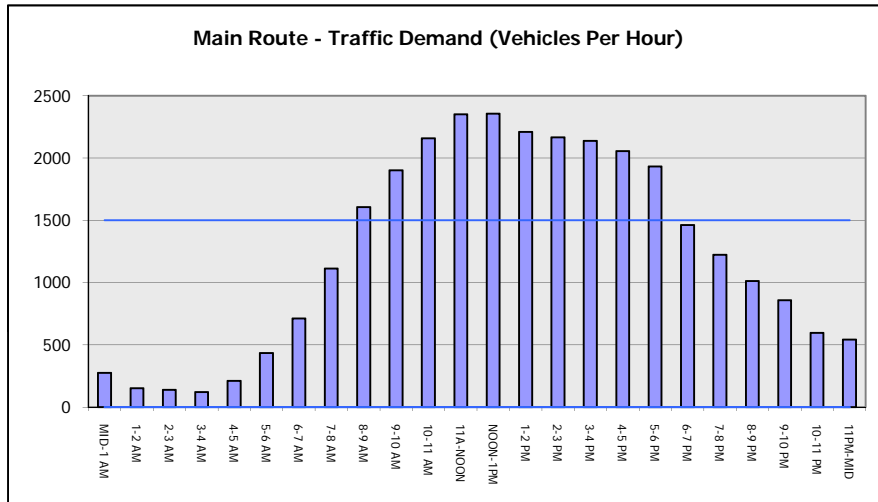
*Delays Exceeding 15 Minutes

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DIVERSION ROUTE: STH 32 - STH 57

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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	MAY
	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	419	0.0	118	0.0	3000	419	0	118	0.22	0	60.2	53.5	49.7	21.9	21.9	
1-2 AM	257	0.0	72	0.0	3000	257	0	72	0.22	0	60.2	53.5	49.7	22.5	22.5	
2-3 AM	243	0.0	69	0.0	3000	243	0	69	0.22	0	60.2	53.5	49.7	22.6	22.6	
3-4 AM	157	0.0	44	0.0	3000	157	0	44	0.22	0	60.2	53.5	49.7	23.0	23.0	
4-5 AM	176	0.0	49	0.0	3000	176	0	49	0.22	0	60.2	53.5	49.7	22.9	22.9	
5-6 AM	290	0.0	82	0.0	3000	290	0	82	0.22	0	60.2	53.5	49.7	22.4	22.4	
6-7 AM	606	0.0	171	0.0	3000	606	0	171	0.22	0	60.2	53.5	49.7	21.1	21.1	
7-8 AM	1200	0.0	339	0.0	3000	1200	0	339	0.22	0	60.2	53.5	49.7	18.6	18.6	
8-9 AM	1401	0.0	396	0.0	OFF	1401	0	396	0.00	0	60.2	60.2	60.2	17.8	17.8	
9-10 AM	1522	0.0	430	0.0	OFF	1522	0	430	0.00	0	60.2	60.2	60.2	17.3	17.3	
10-11 AM	1744	0.0	493	0.0	OFF	1744	0	493	0.00	0	60.2	60.2	60.2	16.4	16.4	
11A-NOON	1998	0.0	564	0.0	OFF	1998	0	564	0.00	0	60.2	60.2	60.2	15.4	15.4	
NOON-1PM	2122	0.0	600	0.0	OFF	2122	0	600	0.00	0	60.2	60.2	60.2	14.8	14.8	
1-2 PM	2216	0.0	626	0.0	OFF	2216	0	626	0.00	0	60.2	60.2	60.2	14.5	14.5	
2-3 PM	2435	0.0	687	0.0	OFF	2435	0	687	0.00	0	60.2	60.2	60.2	13.6	13.6	
3-4 PM	2291	0.0	647	0.0	OFF	2291	0	647	0.00	0	60.2	60.2	60.2	14.2	14.2	
4-5 PM	2082	0.0	588	0.0	OFF	2082	0	588	0.00	0	60.2	60.2	60.2	15.0	15.0	
5-6 PM	1951	0.0	550	0.0	OFF	1951	0	550	0.00	0	60.2	60.2	60.2	15.6	15.6	
6-7 PM	1703	0.0	481	0.0	3000	1703	0	481	0.22	0	60.2	53.5	49.7	16.6	16.6	
7-8 PM	1396	0.0	394	0.0	3000	1396	0	394	0.22	0	60.2	53.5	49.7	17.8	17.8	
8-9 PM	1271	0.0	359	0.0	3000	1271	0	359	0.22	0	60.2	53.5	49.7	18.4	18.4	
9-10 PM	1086	0.0	307	0.0	3000	1086	0	307	0.22	0	60.2	53.5	49.7	19.1	19.1	
10-11 PM	774	0.0	219	0.0	3000	774	0	219	0.22	0	60.2	53.5	49.7	20.4	20.4	
11PM-MID	637	0.0	180	0.0	3000	637	0	180	0.22	0	60.2	53.5	49.7	21.0	21.0	

"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	0.0081
MAIN ROUTE WITH WORKS	0.0074
DIVERSION	0.0611

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$509
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SATURDAY EASTBOUND DIRECTION

