

**STH 172: USH 41 TO STH 57 (BROWN COUNTY)
NIGHTTIME 2 LANE 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	1500	275	0	77	0.36	0	60.2	49.6	44.4	22.5	22.5
1-2 AM	152	0.0	43	0.0	1500	152	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
2-3 AM	140	0.0	40	0.0	1500	140	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
3-4 AM	120	0.0	33	0.0	1500	120	0	33	0.34	0	60.2	50.1	45.0	23.1	23.1
4-5 AM	211	0.0	60	0.0	1500	211	0	60	0.35	0	60.2	49.8	44.6	22.7	22.7
5-6 AM	433	0.0	122	0.0	1500	433	0	122	0.38	0	60.2	49.2	43.8	21.8	21.8
6-7 AM	712	0.0	201	0.0	1500	712	0	201	0.42	0	60.2	48.4	42.7	20.7	20.7
7-8 AM	1113	0.0	314	0.0	1499	1113	0	314	0.53	0	60.2	46.0	39.7	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	1499	1461	0	412	1.19	8	60.2	35.4	32.1	17.6	17.6
7-8 PM	1222	0.0	345	0.0	1500	1222	0	345	0.60	0	60.2	44.4	37.8	18.6	18.6
8-9 PM	1012	0.0	286	0.0	1500	1012	0	286	0.45	0	60.2	47.5	41.6	19.4	19.4
9-10 PM	857	0.0	242	0.0	1500	857	0	242	0.43	0	60.2	47.9	42.2	20.1	20.1
10-11 PM	595	0.0	167	0.0	1500	595	0	167	0.40	0	60.2	48.7	43.2	21.2	21.2
11PM-MID	541	0.0	153	0.0	1500	541	0	153	0.40	0	60.2	48.9	43.3	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	0.0081
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0606

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,416
CONGESTED HOURS PER DAY*	0

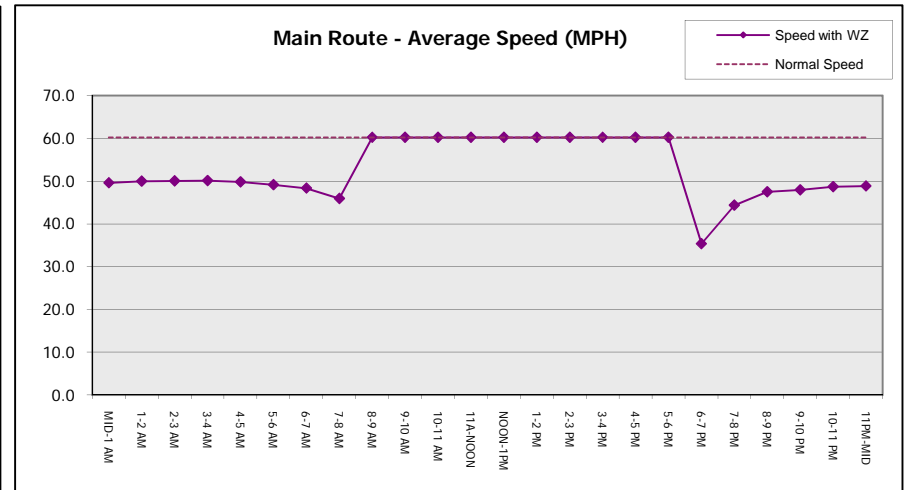
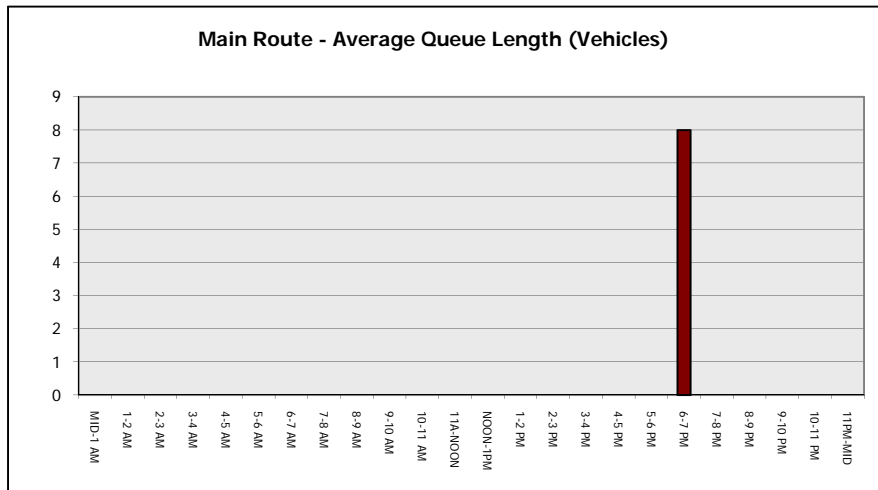
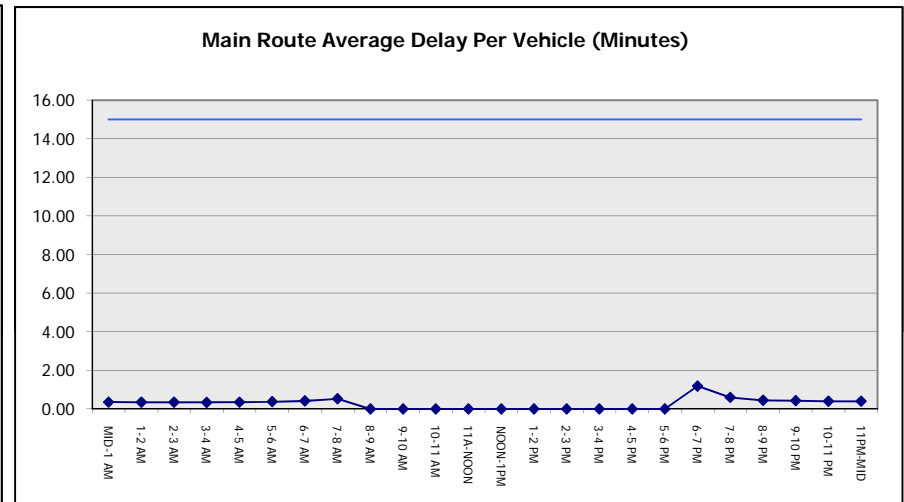
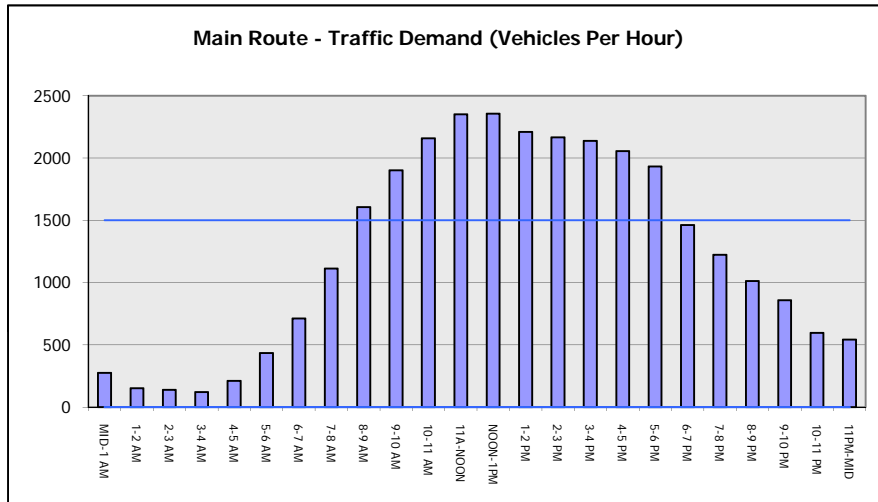
*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME 2 LANE 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	1500	419	0	118	0.38	0	60.2	49.2	43.8	21.9	21.9
1-2 AM	257	0.0	72	0.0	1500	257	0	72	0.36	0	60.2	49.7	44.5	22.5	22.5
2-3 AM	243	0.0	69	0.0	1500	243	0	69	0.36	0	60.2	49.7	44.5	22.6	22.6
3-4 AM	157	0.0	44	0.0	1500	157	0	44	0.35	0	60.2	50.0	44.8	23.0	23.0
4-5 AM	176	0.0	49	0.0	1500	176	0	49	0.35	0	60.2	49.9	44.8	22.9	22.9
5-6 AM	290	0.0	82	0.0	1500	290	0	82	0.36	0	60.2	49.6	44.3	22.4	22.4
6-7 AM	606	0.0	171	0.0	1500	606	0	171	0.40	0	60.2	48.7	43.1	21.1	21.1
7-8 AM	1200	0.0	339	0.0	1500	1200	0	339	0.58	0	60.2	45.0	38.4	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	1499	1703	0	481	4.97	119	60.2	15.4	30.8	16.6	16.6
7-8 PM	1396	0.0	394	0.0	1499	1396	0	394	7.11	165	60.2	11.7	30.8	17.8	17.9
8-9 PM	1271	0.0	359	0.0	1499	1271	0	359	1.35	26	60.2	33.5	35.2	18.4	18.4
9-10 PM	1086	0.0	307	0.0	1500	1086	0	307	0.46	0	60.2	47.3	41.4	19.1	19.1
10-11 PM	774	0.0	219	0.0	1500	774	0	219	0.42	0	60.2	48.2	42.5	20.4	20.4
11PM-MID	637	0.0	180	0.0	1500	637	0	180	0.41	0	60.2	48.6	43.0	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)	\$6,276
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

