

STH 172: USH 41 TO STH 57 (BROWN COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

MAY
 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	141	0.0	40	0.0	OFF	141	0	40	0.00	0	60.2	60.2	60.2	23.0	23.0
1-2 AM	138	0.0	39	0.0	OFF	138	0	39	0.00	0	60.2	60.2	60.2	23.0	23.0
2-3 AM	161	0.0	45	0.0	OFF	161	0	45	0.00	0	60.2	60.2	60.2	22.9	22.9
3-4 AM	152	0.0	43	0.0	OFF	152	0	43	0.00	0	60.2	60.2	60.2	23.0	23.0
4-5 AM	439	0.0	125	0.0	OFF	439	0	125	0.00	0	60.2	60.2	60.2	21.8	21.8
5-6 AM	1294	0.0	365	0.0	OFF	1294	0	365	0.00	0	60.2	60.2	60.2	18.3	18.3
6-7 AM	2796	0.0	790	0.0	OFF	2796	0	790	0.00	0	60.2	60.2	60.2	12.1	12.1
7-8 AM	4047	0.0	1143	0.0	OFF	4047	0	1143	0.00	0	60.2	60.2	60.2	9.9	9.9
8-9 AM	2585	0.0	730	0.0	OFF	2585	0	730	0.00	0	60.2	60.2	60.2	13.0	13.0
9-10 AM	2116	0.0	597	0.0	OFF	2116	0	597	0.00	0	60.2	60.2	60.2	14.9	14.9
10-11 AM	2124	0.0	600	0.0	3000	2124	0	600	0.22	0	60.2	53.5	49.7	14.8	14.8
11A-NOON	2237	0.0	632	0.0	3000	2237	0	632	0.22	0	60.2	53.5	49.7	14.4	14.4
NOON-1PM	2492	0.0	703	0.0	3000	2492	0	703	0.29	0	60.2	51.5	47.0	13.4	13.4
1-2 PM	2489	0.0	703	0.0	3000	2489	0	703	0.28	0	60.2	51.6	47.1	13.4	13.4
2-3 PM	2629	0.0	742	0.0	3000	2629	0	742	0.38	0	60.2	49.2	43.9	12.8	12.8
3-4 PM	2825	0.0	797	0.0	OFF	2825	0	797	0.00	0	60.2	60.2	60.2	12.0	12.0
4-5 PM	3234	0.0	913	0.0	OFF	3234	0	913	0.00	0	60.2	60.2	60.2	11.2	11.2
5-6 PM	2944	0.0	832	0.0	OFF	2944	0	832	0.00	0	60.2	60.2	60.2	11.7	11.7
6-7 PM	2131	0.0	602	0.0	OFF	2131	0	602	0.00	0	60.2	60.2	60.2	14.8	14.8
7-8 PM	1561	0.0	441	0.0	OFF	1561	0	441	0.00	0	60.2	60.2	60.2	17.2	17.2
8-9 PM	1179	0.0	333	0.0	OFF	1179	0	333	0.00	0	60.2	60.2	60.2	18.8	18.8
9-10 PM	908	0.0	256	0.0	OFF	908	0	256	0.00	0	60.2	60.2	60.2	19.9	19.9
10-11 PM	700	0.0	198	0.0	OFF	700	0	198	0.00	0	60.2	60.2	60.2	20.7	20.7
11PM-MID	445	0.0	126	0.0	OFF	445	0	126	0.00	0	60.2	60.2	60.2	21.8	21.8

"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	0.0113
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0851

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$683
CONGESTED HOURS PER DAY*	0

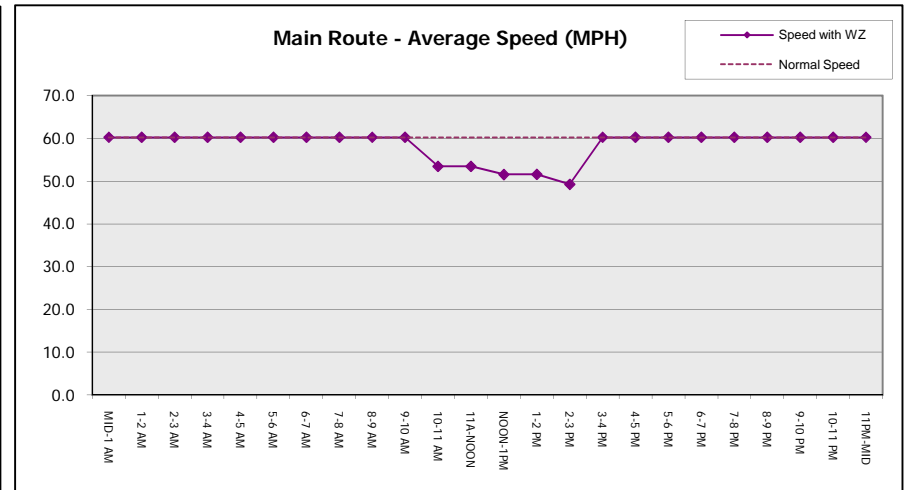
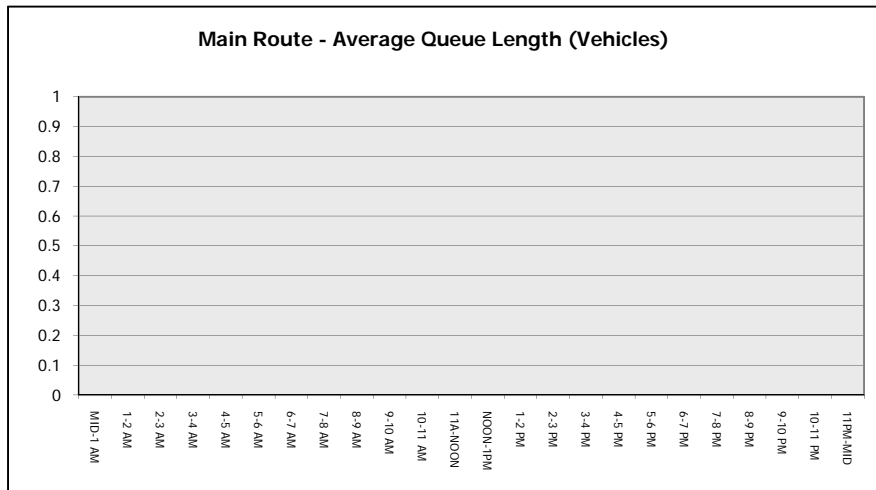
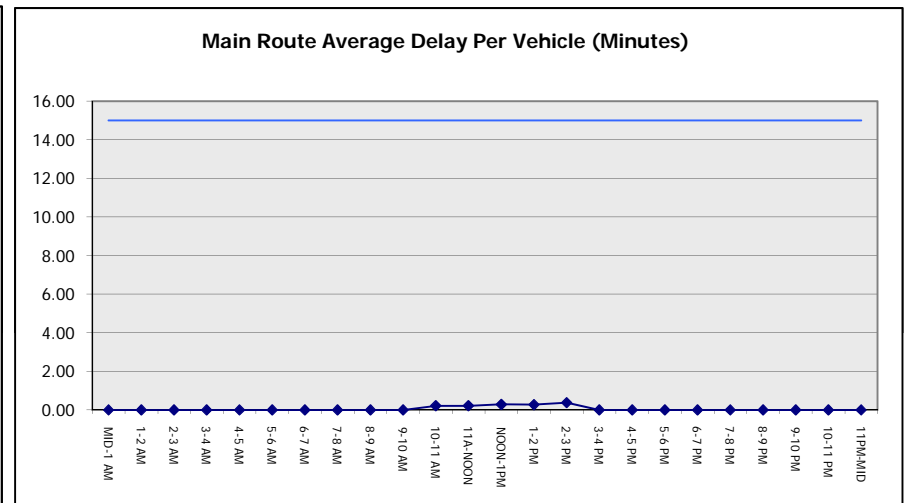
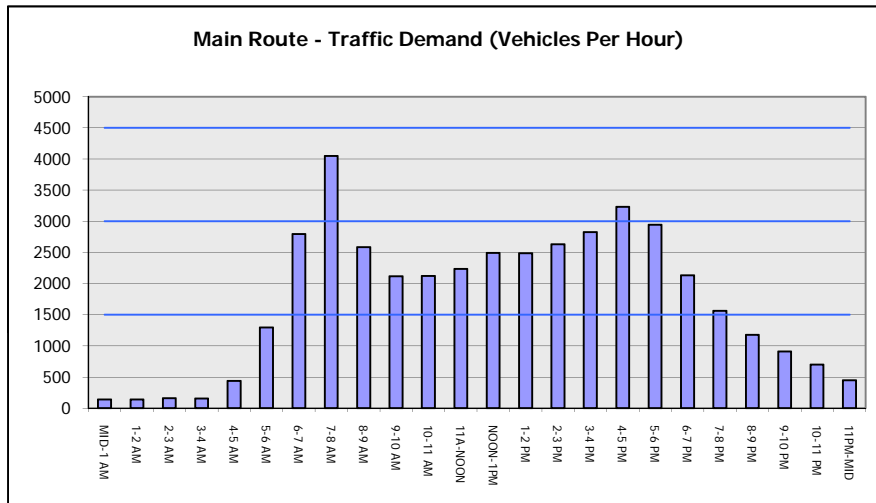
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 32 - STH 57**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 32 - STH 57	MAY
	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							
	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	295	0.0	84	0.0	OFF	295	0	84	0.00	0	60.2	60.2	60.2	22.4	22.4
1-2 AM	159	0.0	45	0.0	OFF	159	0	45	0.00	0	60.2	60.2	60.2	22.9	22.9
2-3 AM	210	0.0	60	0.0	OFF	210	0	60	0.00	0	60.2	60.2	60.2	22.7	22.7
3-4 AM	173	0.0	49	0.0	OFF	173	0	49	0.00	0	60.2	60.2	60.2	22.9	22.9
4-5 AM	253	0.0	71	0.0	OFF	253	0	71	0.00	0	60.2	60.2	60.2	22.5	22.5
5-6 AM	559	0.0	158	0.0	OFF	559	0	158	0.00	0	60.2	60.2	60.2	21.3	21.3
6-7 AM	1436	0.0	405	0.0	OFF	1436	0	405	0.00	0	60.2	60.2	60.2	17.7	17.7
7-8 AM	2043	0.0	577	0.0	OFF	2043	0	577	0.00	0	60.2	60.2	60.2	15.2	15.2
8-9 AM	1887	0.0	533	0.0	OFF	1887	0	533	0.00	0	60.2	60.2	60.2	15.8	15.8
9-10 AM	1645	0.0	465	0.0	OFF	1645	0	465	0.00	0	60.2	60.2	60.2	16.8	16.8
10-11 AM	1767	0.0	499	0.0	3000	1767	0	499	0.22	0	60.2	53.5	49.7	16.3	16.3
11A-NOON	2295	0.0	648	0.0	3000	2295	0	648	0.22	0	60.2	53.5	49.7	14.2	14.2
NOON-1PM	2321	0.0	656	0.0	3000	2321	0	656	0.22	0	60.2	53.5	49.7	14.0	14.0
1-2 PM	2573	0.0	726	0.0	3000	2573	0	726	0.34	0	60.2	50.2	45.1	13.0	13.0
2-3 PM	2837	0.0	800	0.0	2999	2837	0	800	0.51	0	60.2	46.3	40.1	11.9	12.0
3-4 PM	3618	0.0	1021	0.0	OFF	3618	0	1021	0.00	0	60.2	60.2	60.2	10.6	10.6
4-5 PM	4234	0.0	1195	0.0	OFF	4234	0	1195	0.00	0	60.2	60.2	60.2	9.6	9.6
5-6 PM	3612	0.0	1020	0.0	OFF	3612	0	1020	0.00	0	60.2	60.2	60.2	10.6	10.6
6-7 PM	2363	0.0	668	0.0	OFF	2363	0	668	0.00	0	60.2	60.2	60.2	13.8	13.8
7-8 PM	1739	0.0	491	0.0	OFF	1739	0	491	0.00	0	60.2	60.2	60.2	16.5	16.5
8-9 PM	1637	0.0	462	0.0	OFF	1637	0	462	0.00	0	60.2	60.2	60.2	16.9	16.9
9-10 PM	1335	0.0	377	0.0	OFF	1335	0	377	0.00	0	60.2	60.2	60.2	18.1	18.1
10-11 PM	987	0.0	278	0.0	OFF	987	0	278	0.00	0	60.2	60.2	60.2	19.6	19.6
11PM-MID	629	0.0	178	0.0	OFF	629	0	178	0.00	0	60.2	60.2	60.2	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	0.0110
MAIN ROUTE WITH WORKS	0.0102
DIVERSION	0.0828

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$753
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 32 - STH 57

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

