

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

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	1500	141	0	40	0.35	0	60.2	50.1	44.9	23.0	23.0
1-2 AM	138	0.0	39	0.0	1500	138	0	39	0.35	0	60.2	50.1	45.0	23.0	23.0
2-3 AM	161	0.0	45	0.0	1500	161	0	45	0.35	0	60.2	50.0	44.8	22.9	22.9
3-4 AM	152	0.0	43	0.0	1500	152	0	43	0.35	0	60.2	50.0	44.9	23.0	23.0
4-5 AM	439	0.0	125	0.0	1500	439	0	125	0.38	0	60.2	49.1	43.7	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	OFF	2124	0	600	0.00	0	60.2	60.2	60.2	14.8	14.8
11A-NOON	2237	0.0	632	0.0	OFF	2237	0	632	0.00	0	60.2	60.2	60.2	14.4	14.4
NOON-1PM	2492	0.0	703	0.0	OFF	2492	0	703	0.00	0	60.2	60.2	60.2	13.4	13.4
1-2 PM	2489	0.0	703	0.0	OFF	2489	0	703	0.00	0	60.2	60.2	60.2	13.4	13.4
2-3 PM	2629	0.0	742	0.0	OFF	2629	0	742	0.00	0	60.2	60.2	60.2	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	1499	1561	0	441	3.20	60	60.2	20.9	30.8	17.2	17.2
8-9 PM	1179	0.0	333	0.0	1500	1179	0	333	0.76	7	60.2	41.6	38.6	18.8	18.8
9-10 PM	908	0.0	256	0.0	1500	908	0	256	0.44	0	60.2	47.8	42.0	19.9	19.9
10-11 PM	700	0.0	198	0.0	1500	700	0	198	0.41	0	60.2	48.4	42.8	20.7	20.7
11PM-MID	445	0.0	126	0.0	1500	445	0	126	0.38	0	60.2	49.1	43.7	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	0.0109
DIVERSION	0.0851

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,762
CONGESTED HOURS PER DAY*	0

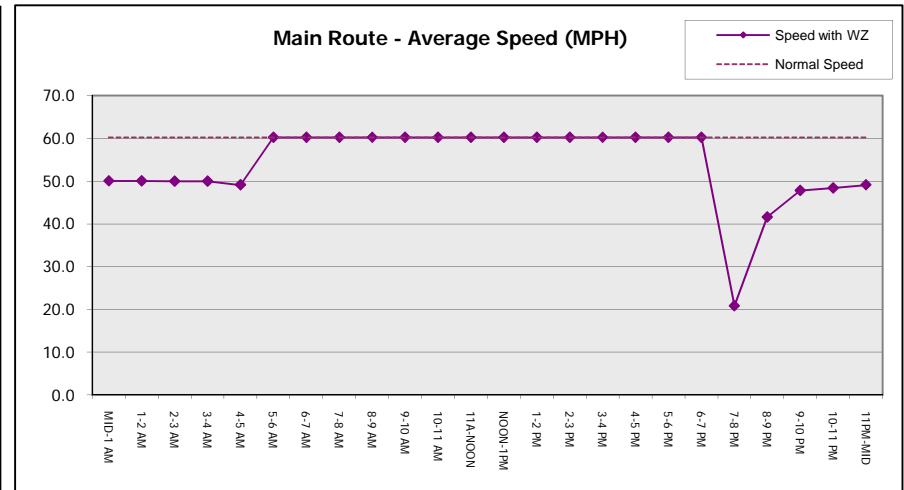
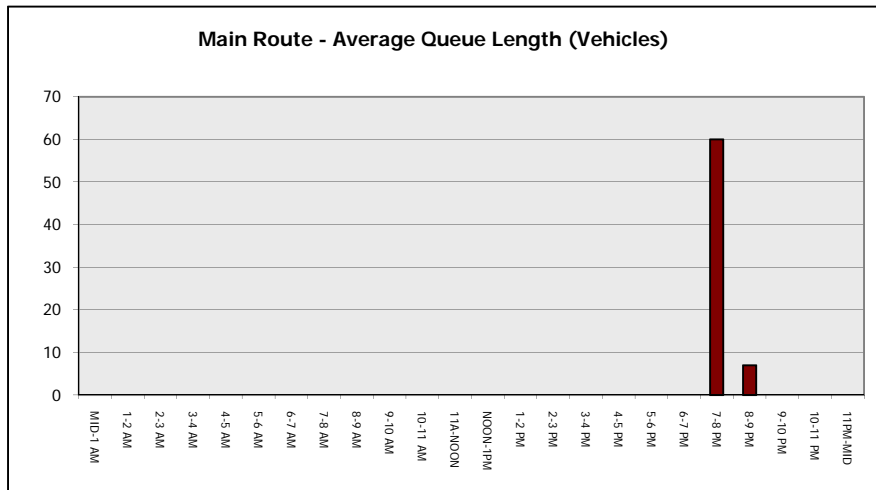
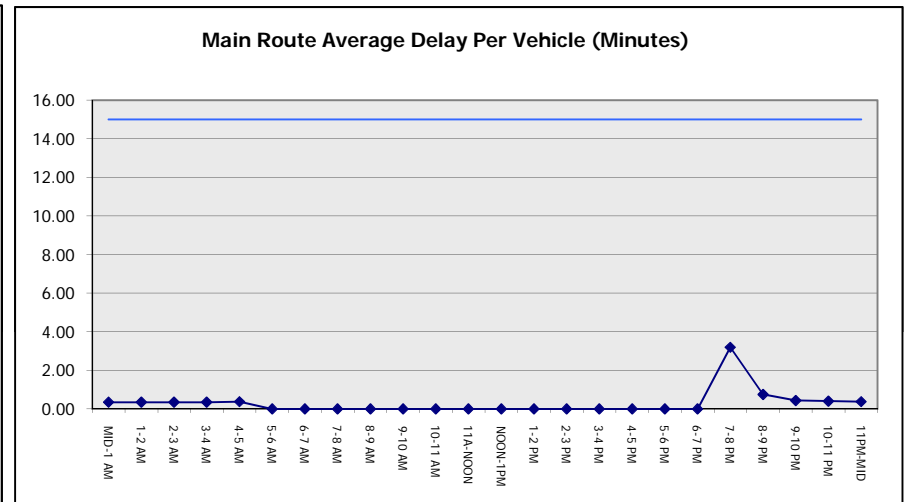
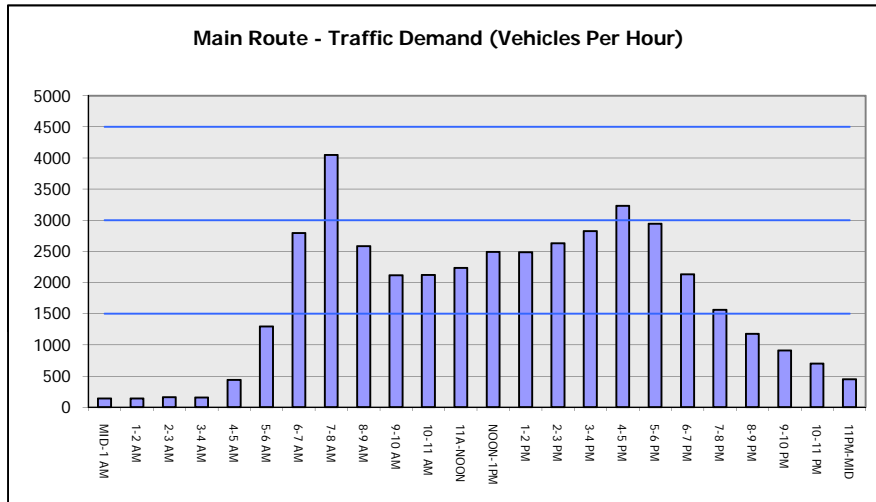
*Delays Exceeding 15 Minutes

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

MAY
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57	MAY
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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		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	295	0.0	84	0.0	1500	295	0	84	0.36	0	60.2	49.6	44.3	22.4	22.4
1-2 AM	159	0.0	45	0.0	1500	159	0	45	0.35	0	60.2	50.0	44.8	22.9	22.9
2-3 AM	210	0.0	60	0.0	1500	210	0	60	0.35	0	60.2	49.8	44.6	22.7	22.7
3-4 AM	173	0.0	49	0.0	1500	173	0	49	0.35	0	60.2	49.9	44.8	22.9	22.9
4-5 AM	253	0.0	71	0.0	1500	253	0	71	0.36	0	60.2	49.7	44.5	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	OFF	1767	0	499	0.00	0	60.2	60.2	60.2	16.3	16.3
11A-NOON	2295	0.0	648	0.0	OFF	2295	0	648	0.00	0	60.2	60.2	60.2	14.2	14.2
NOON-1PM	2321	0.0	656	0.0	OFF	2321	0	656	0.00	0	60.2	60.2	60.2	14.0	14.0
1-2 PM	2573	0.0	726	0.0	OFF	2573	0	726	0.00	0	60.2	60.2	60.2	13.0	13.0
2-3 PM	2837	0.0	800	0.0	OFF	2837	0	800	0.00	0	60.2	60.2	60.2	11.9	11.9
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	1499	1739	0	491	5.75	142	60.2	14.0	30.8	16.5	16.5
8-9 PM	1637	0.0	462	0.0	1500	1637	0	462	13.01	319	60.2	8.1	30.8	16.9	17.4
9-10 PM	1335	0.0	377	0.0	1499	1335	0	377	12.70	313	60.2	8.2	30.8	18.1	18.6
10-11 PM	987	0.0	278	0.0	1500	987	0	278	1.43	52	60.2	32.7	39.6	19.6	19.6
11PM-MID	629	0.0	178	0.0	1500	629	0	178	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	0.0110
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0828

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$12,450
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
FRIDAY EASTBOUND DIRECTION

