

STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 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	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	1499	2124	0	600	10.80	308	60.2	9.4	30.8	14.8	15.3
11A-NOON	2237	0.0	632	0.0	1499	1888	349	981	33.01	849	60.2	5.2	30.8	14.4	12.7
NOON-1PM	2492	0.0	703	0.0	1499	1750	742	1445	44.47	1147	60.2	4.7	30.8	13.4	10.2
1-2 PM	2489	0.0	703	0.0	1499	1551	938	1641+	49.77	1286	60.2	4.5	30.8	13.4	9.5
2-3 PM	2629	0.0	742	0.0	1499	1612	1017	1759+	52.82	1366	60.2	4.4	30.8	12.8	9.1
3-4 PM	2825	0.0	797	0.0	OFF	2825	0	797	3.20	319	60.2	20.9	20.9	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)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0113
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.1071

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$111,741
CONGESTED HOURS PER DAY*	4

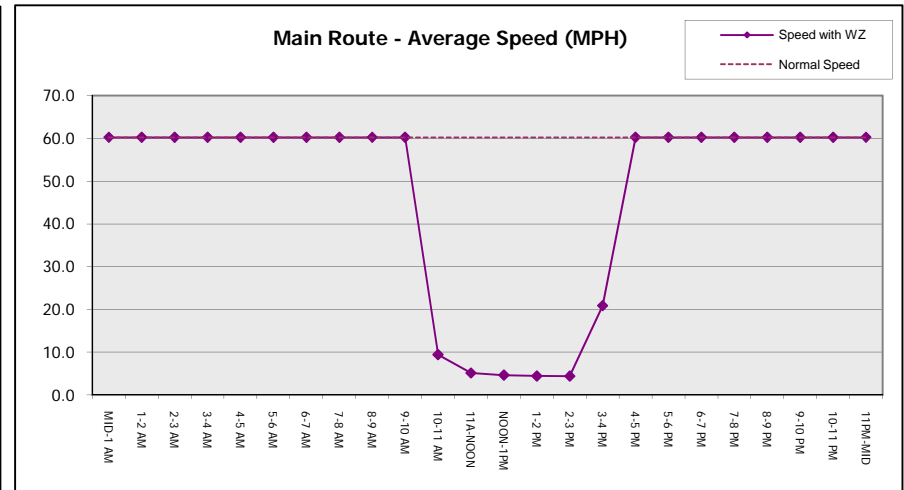
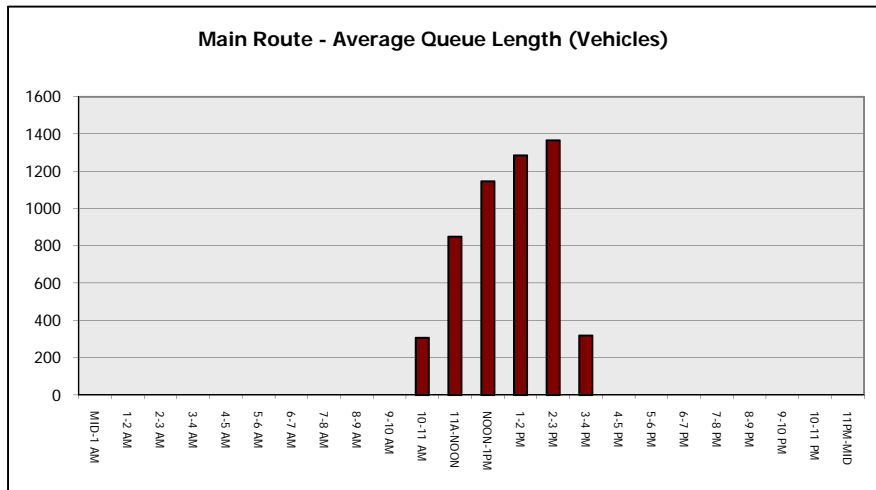
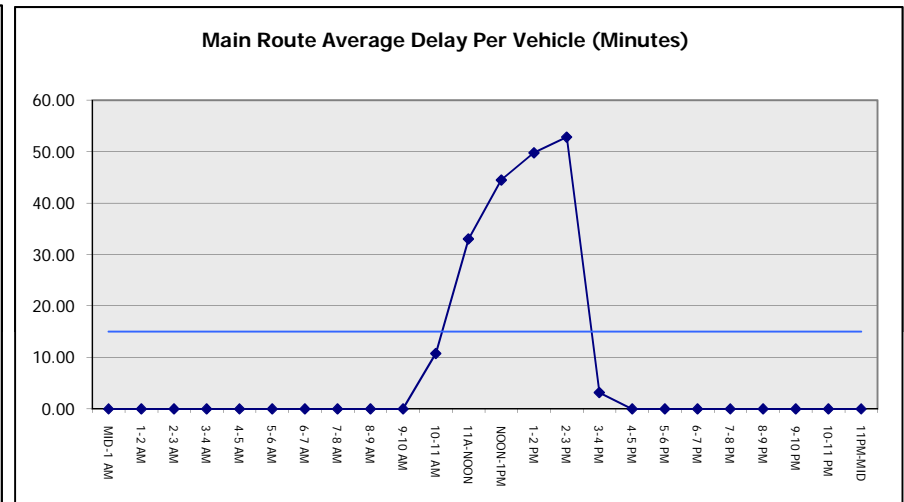
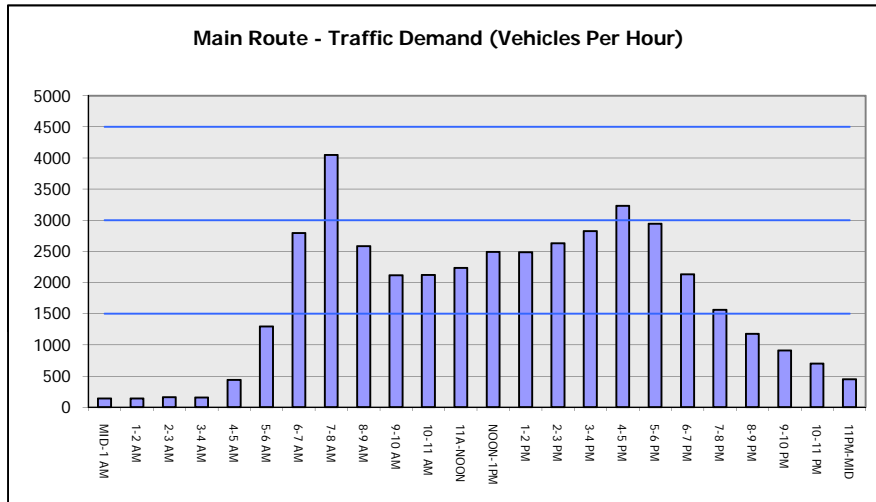
*Delays Exceeding 15 Minutes

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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57	MAY Analyzed for 2009 Construction Season
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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	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	OFF	1499	1767	499	4.33	113	60.2	17.1	30.8	16.3	16.4	
11A-NOON	2295	0.0	648	0.0	OFF	1500	2189	753	23.56	626	60.2	6.1	30.8	14.2	14.3	
NOON-1PM	2321	0.0	656	0.0	OFF	1500	1671	1306	40.64	1046	60.2	4.8	30.8	14.0	10.9	
1-2 PM	2573	0.0	726	0.0	OFF	1500	1726	847	1573+	1241	60.2	4.5	30.8	13.0	9.7	
2-3 PM	2837	0.0	800	0.0	OFF	1500	1570	1267	2067+	1412	60.2	4.3	30.8	11.9	9.0	
3-4 PM	3618	0.0	1021	0.0	OFF	3618	0	1021	4.37	425	60.2	16.8	16.8	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)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0096
DIVERSION	0.1035

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$104,944
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

