

STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	136	0.0	39	0.0	OFF	136	0	39	0.00	0	60.2	60.2	60.2	23.0	23.0
1-2 AM	89	0.0	25	0.0	OFF	89	0	25	0.00	0	60.2	60.2	60.2	23.2	23.2
2-3 AM	91	0.0	26	0.0	OFF	91	0	26	0.00	0	60.2	60.2	60.2	23.2	23.2
3-4 AM	137	0.0	39	0.0	OFF	137	0	39	0.00	0	60.2	60.2	60.2	23.0	23.0
4-5 AM	443	0.0	126	0.0	OFF	443	0	126	0.00	0	60.2	60.2	60.2	21.8	21.8
5-6 AM	1421	0.0	401	0.0	OFF	1421	0	401	0.00	0	60.2	60.2	60.2	17.8	17.8
6-7 AM	2911	0.0	821	0.0	OFF	2911	0	821	0.00	0	60.2	60.2	60.2	11.7	11.7
7-8 AM	4216	0.0	1191	0.0	OFF	4216	0	1191	0.00	0	60.2	60.2	60.2	9.6	9.6
8-9 AM	2500	0.0	705	0.0	OFF	2500	0	705	0.00	0	60.2	60.2	60.2	13.4	13.4
9-10 AM	1946	0.0	549	0.0	OFF	1946	0	549	0.00	0	60.2	60.2	60.2	15.6	15.6
10-11 AM	1968	0.0	556	0.0	1499	1968	0	556	8.29	231	60.2	11.2	30.8	15.5	15.8
11A-NOON	2023	0.0	571	0.0	1499	1880	143	714	26.55	681	60.2	5.7	30.8	15.3	14.8
NOON-1PM	2175	0.0	614	0.0	1500	1653	522	1136	36.43	935	60.2	5.0	30.8	14.7	11.8
1-2 PM	2175	0.0	614	0.0	1500	1529	646	1260	39.39	1012	60.2	4.8	30.8	14.7	11.1
2-3 PM	2333	0.0	658	0.0	1500	1626	706	1365	42.30	1089	60.2	4.7	30.8	14.0	10.6
3-4 PM	2529	0.0	715	0.0	OFF	2529	0	715	1.93	192	60.2	28.2	28.2	13.2	13.2
4-5 PM	2790	0.0	788	0.0	OFF	2790	0	788	0.00	0	60.2	60.2	60.2	12.1	12.1
5-6 PM	2751	0.0	776	0.0	OFF	2751	0	776	0.00	0	60.2	60.2	60.2	12.3	12.3
6-7 PM	1815	0.0	513	0.0	OFF	1815	0	513	0.00	0	60.2	60.2	60.2	16.1	16.1
7-8 PM	1113	0.0	314	0.0	OFF	1113	0	314	0.00	0	60.2	60.2	60.2	19.0	19.0
8-9 PM	845	0.0	239	0.0	OFF	845	0	239	0.00	0	60.2	60.2	60.2	20.1	20.1
9-10 PM	665	0.0	187	0.0	OFF	665	0	187	0.00	0	60.2	60.2	60.2	20.9	20.9
10-11 PM	463	0.0	131	0.0	OFF	463	0	131	0.00	0	60.2	60.2	60.2	21.7	21.7
11PM-MID	261	0.0	73	0.0	OFF	261	0	73	0.00	0	60.2	60.2	60.2	22.5	22.5

"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	0.0102
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0916

PIA: Personal Injury Accidents

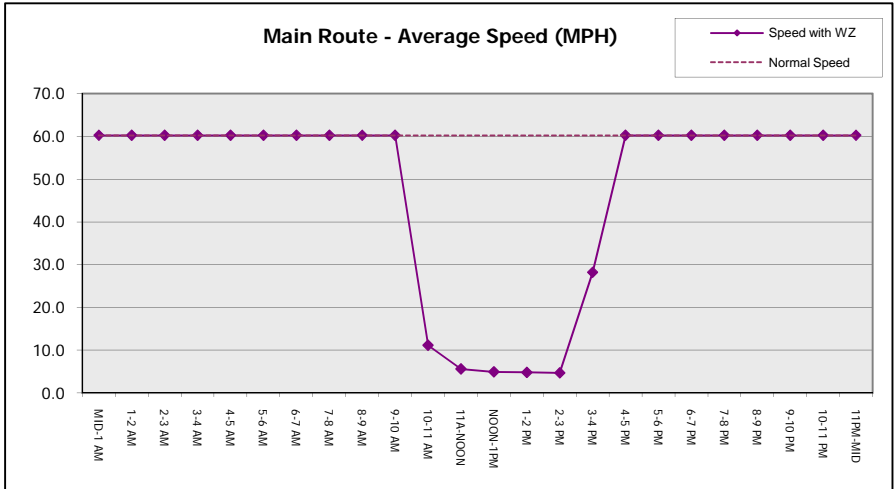
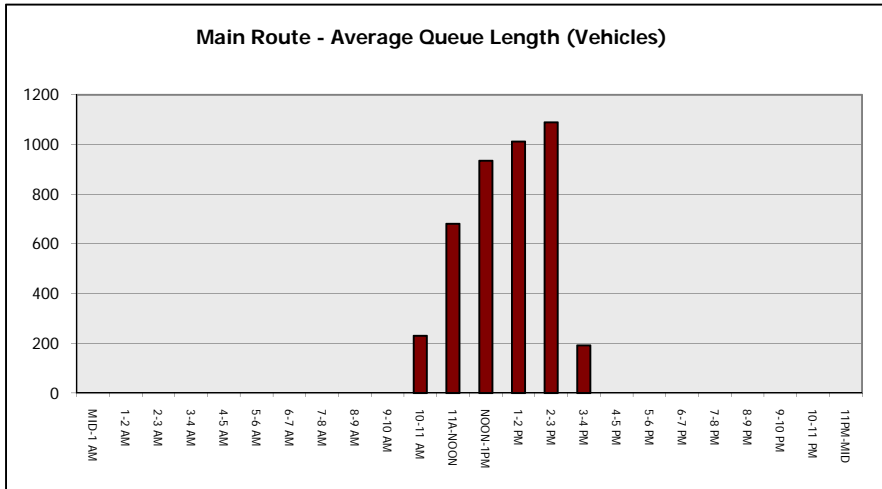
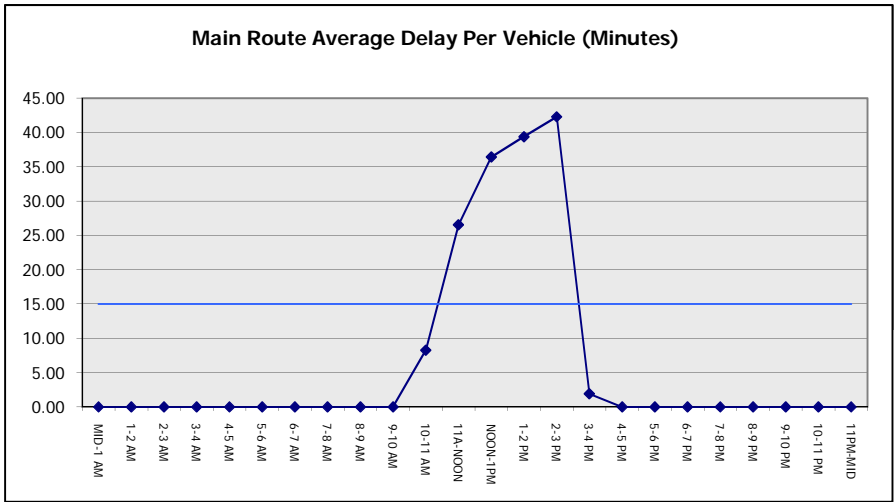
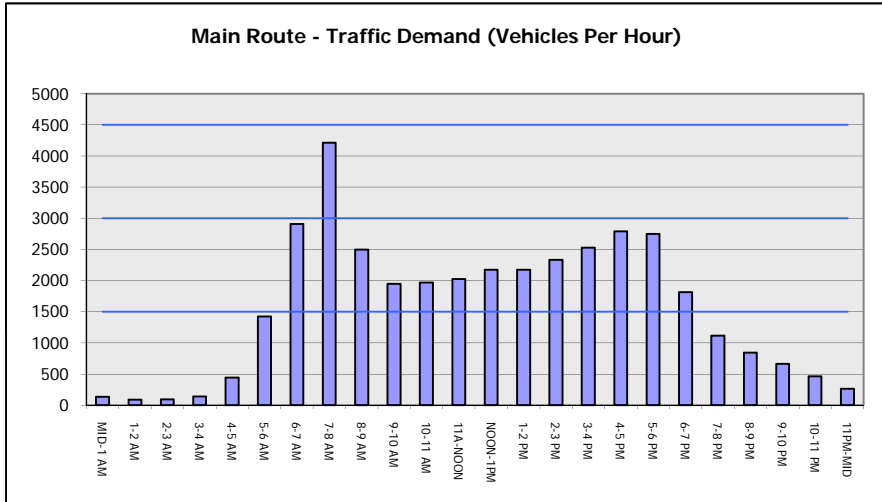
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$72,356
CONGESTED HOURS PER DAY*	4

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



STH 172: USH 41 TO STH 57 (BROWN COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: STH 32 - STH 57	OCTOBER Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
MON-THUR	EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	225	0.0	64	0.0	OFF	225	0	64	0.00	0	60.2	60.2	60.2	21.7	21.7
1-2 AM	142	0.0	40	0.0	OFF	142	0	40	0.00	0	60.2	60.2	60.2	22.4	22.4
2-3 AM	139	0.0	40	0.0	OFF	139	0	40	0.00	0	60.2	60.2	60.2	22.4	22.4
3-4 AM	155	0.0	44	0.0	OFF	155	0	44	0.00	0	60.2	60.2	60.2	22.3	22.3
4-5 AM	265	0.0	74	0.0	OFF	265	0	74	0.00	0	60.2	60.2	60.2	21.4	21.4
5-6 AM	678	0.0	191	0.0	OFF	678	0	191	0.00	0	60.2	60.2	60.2	17.9	17.9
6-7 AM	1436	0.0	405	0.0	OFF	1436	0	405	0.00	0	60.2	60.2	60.2	11.7	11.7
7-8 AM	2004	0.0	566	0.0	OFF	2004	0	566	0.00	0	60.2	60.2	60.2	9.9	9.9
8-9 AM	1853	0.0	523	0.0	OFF	1853	0	523	0.00	0	60.2	60.2	60.2	10.4	10.4
9-10 AM	1608	0.0	454	0.0	OFF	1608	0	454	0.00	0	60.2	60.2	60.2	11.2	11.2
10-11 AM	1632	0.0	461	0.0	OFF	1499	1632	461	2.90	59	60.2	22.2	30.8	11.1	11.1
11A-NOON	1820	0.0	514	0.0	OFF	1500	1820	514	10.99	279	60.2	9.0	30.8	10.5	10.8
NOON-1PM	2037	0.0	576	0.0	OFF	1500	2037	576	27.50	712	60.2	5.6	30.8	9.7	11.1
1-2 PM	2106	0.0	594	0.0	OFF	1500	1939	762+	46.85	1212	60.2	4.6	30.8	9.6	9.9
2-3 PM	2423	0.0	684	0.0	OFF	1500	1501	1607+	53.85	1393	60.2	4.4	30.8	8.5	9.0
3-4 PM	3340	0.0	943	0.0	OFF	3340	0	943+	3.89	383	60.2	18.3	18.3	6.8	6.8
4-5 PM	4113	0.0	1162	0.0	OFF	4113	0	1162+	0.00	0	60.2	60.2	60.2	6.8	6.8
5-6 PM	3587	0.0	1013	0.0	OFF	3587	0	1013+	0.00	0	60.2	60.2	60.2	6.8	6.8
6-7 PM	2205	0.0	623	0.0	OFF	2205	0	623	0.00	0	60.2	60.2	60.2	9.2	9.2
7-8 PM	1554	0.0	440	0.0	OFF	1554	0	440	0.00	0	60.2	60.2	60.2	11.4	11.4
8-9 PM	1305	0.0	368	0.0	OFF	1305	0	368	0.00	0	60.2	60.2	60.2	12.7	12.7
9-10 PM	1222	0.0	345	0.0	OFF	1222	0	345	0.00	0	60.2	60.2	60.2	13.4	13.4
10-11 PM	729	0.0	206	0.0	OFF	729	0	206	0.00	0	60.2	60.2	60.2	17.5	17.5
11PM-MID	502	0.0	141	0.0	OFF	502	0	141	0.00	0	60.2	60.2	60.2	19.4	19.4

"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	0.0100
MAIN ROUTE WITH WORKS	0.0092
DIVERSION	0.0835

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$69,019
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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 OFF-PEAK DAY 2 LANE CLOSURE
 DIVERSION ROUTE: STH 32 - STH 57**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

