

STH 172: USH 41 TO STH 57 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 32, STH 57	AUGUST
	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	316	0.0	89	0.0	3000	316	0	89	0.22	0	60.2	53.5	49.7	22.3	22.3
1-2 AM	222	0.0	63	0.0	3000	222	0	63	0.22	0	60.2	53.5	49.7	22.7	22.7
2-3 AM	172	0.0	49	0.0	3000	172	0	49	0.22	0	60.2	53.5	49.7	22.9	22.9
3-4 AM	140	0.0	40	0.0	3000	140	0	40	0.22	0	60.2	53.5	49.7	23.0	23.0
4-5 AM	199	0.0	56	0.0	3000	199	0	56	0.22	0	60.2	53.5	49.7	22.8	22.8
5-6 AM	442	0.0	125	0.0	3000	442	0	125	0.22	0	60.2	53.5	49.7	21.8	21.8
6-7 AM	671	0.0	189	0.0	3000	671	0	189	0.22	0	60.2	53.5	49.7	20.9	20.9
7-8 AM	987	0.0	278	0.0	3000	987	0	278	0.22	0	60.2	53.5	49.7	19.6	19.6
8-9 AM	1329	0.0	376	0.0	3000	1329	0	376	0.22	0	60.2	53.5	49.7	18.1	18.1
9-10 AM	1797	0.0	507	0.0	3000	1797	0	507	0.22	0	60.2	53.5	49.7	16.2	16.2
10-11 AM	2077	0.0	586	0.0	3000	2077	0	586	0.22	0	60.2	53.5	49.7	15.1	15.1
11A-NOON	2199	0.0	620	0.0	3000	2199	0	620	0.22	0	60.2	53.5	49.7	14.5	14.5
NOON-1PM	2221	0.0	627	0.0	3000	2221	0	627	0.22	0	60.2	53.5	49.7	14.5	14.5
1-2 PM	1912	0.0	540	0.0	3000	1912	0	540	0.22	0	60.2	53.5	49.7	15.7	15.7
2-3 PM	1859	0.0	525	0.0	3000	1859	0	525	0.22	0	60.2	53.5	49.7	16.0	16.0
3-4 PM	1779	0.0	502	0.0	3000	1779	0	502	0.22	0	60.2	53.5	49.7	16.3	16.3
4-5 PM	1762	0.0	498	0.0	3000	1762	0	498	0.22	0	60.2	53.5	49.7	16.3	16.3
5-6 PM	1811	0.0	512	0.0	3000	1811	0	512	0.22	0	60.2	53.5	49.7	16.1	16.1
6-7 PM	1478	0.0	417	0.0	3000	1478	0	417	0.22	0	60.2	53.5	49.7	17.5	17.5
7-8 PM	1053	0.0	297	0.0	3000	1053	0	297	0.22	0	60.2	53.5	49.7	19.3	19.3
8-9 PM	937	0.0	265	0.0	3000	937	0	265	0.22	0	60.2	53.5	49.7	19.7	19.7
9-10 PM	856	0.0	242	0.0	3000	856	0	242	0.22	0	60.2	53.5	49.7	20.1	20.1
10-11 PM	690	0.0	195	0.0	3000	690	0	195	0.22	0	60.2	53.5	49.7	20.7	20.7
11PM-MID	472	0.0	133	0.0	3000	472	0	133	0.22	0	60.2	53.5	49.7	21.7	21.7

----- 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	0.0074
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.0558

PIA: Personal Injury Accidents

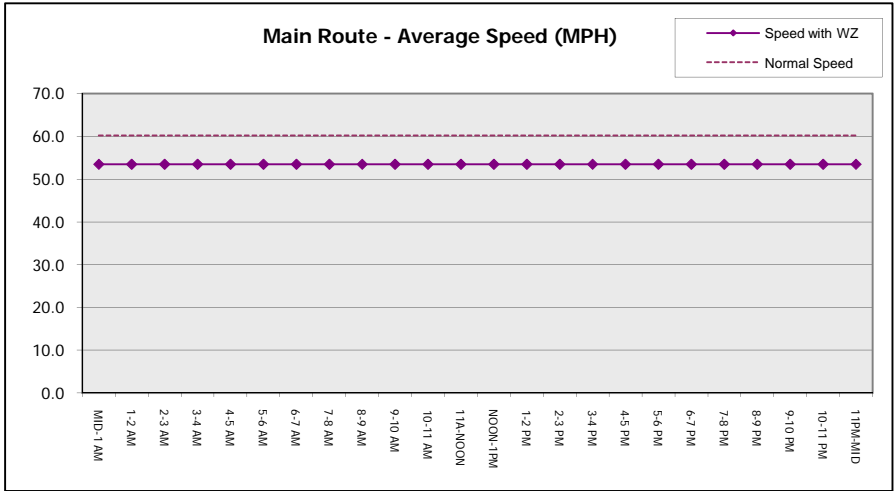
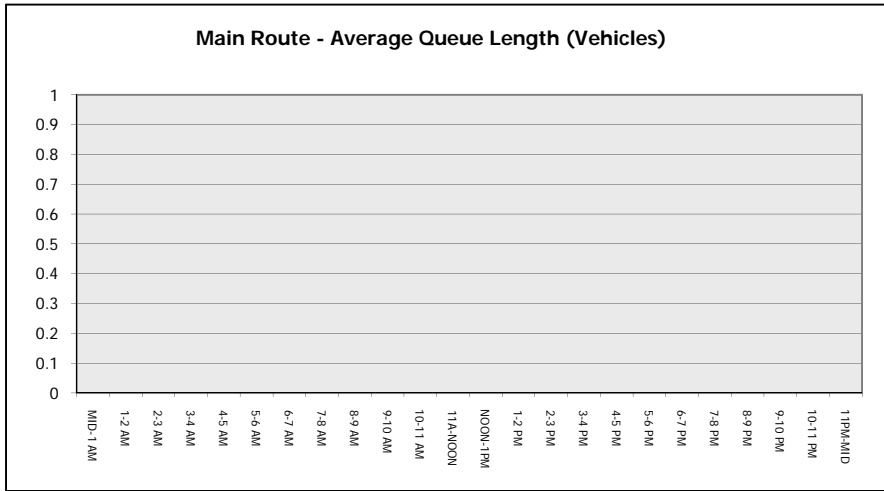
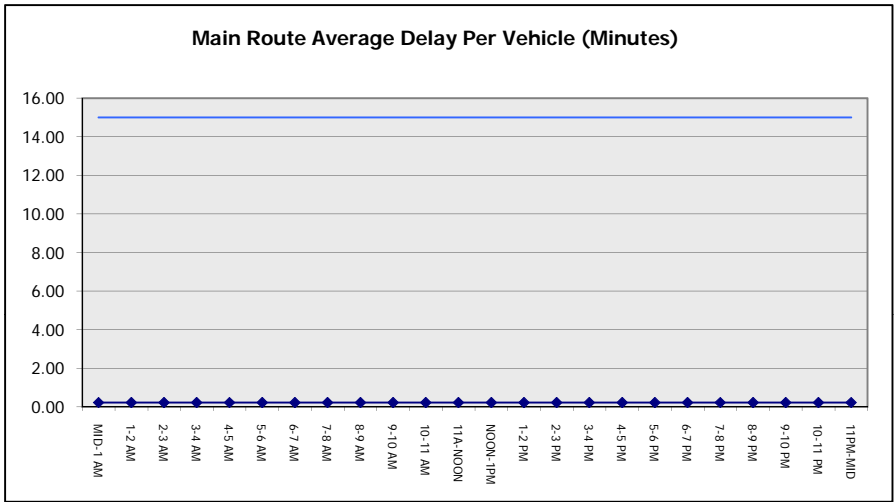
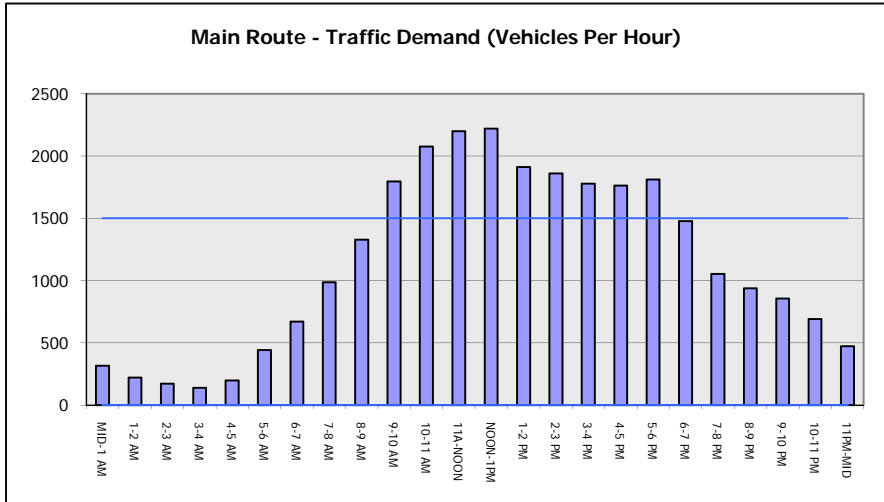
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,469
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

AUGUST
 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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 32, STH 57	AUGUST
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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	424	0.0	119	0.0	3000	424	0	119	0.22	0	60.2	53.5	49.7	21.9	21.9
1-2 AM	267	0.0	75	0.0	3000	267	0	75	0.22	0	60.2	53.5	49.7	22.5	22.5
2-3 AM	255	0.0	72	0.0	3000	255	0	72	0.22	0	60.2	53.5	49.7	22.5	22.5
3-4 AM	199	0.0	56	0.0	3000	199	0	56	0.22	0	60.2	53.5	49.7	22.8	22.8
4-5 AM	192	0.0	54	0.0	3000	192	0	54	0.22	0	60.2	53.5	49.7	22.8	22.8
5-6 AM	261	0.0	73	0.0	3000	261	0	73	0.22	0	60.2	53.5	49.7	22.5	22.5
6-7 AM	513	0.0	145	0.0	3000	513	0	145	0.22	0	60.2	53.5	49.7	21.5	21.5
7-8 AM	764	0.0	216	0.0	3000	764	0	216	0.22	0	60.2	53.5	49.7	20.4	20.4
8-9 AM	1044	0.0	295	0.0	3000	1044	0	295	0.22	0	60.2	53.5	49.7	19.3	19.3
9-10 AM	1319	0.0	372	0.0	3000	1319	0	372	0.22	0	60.2	53.5	49.7	18.2	18.2
10-11 AM	1775	0.0	501	0.0	3000	1775	0	501	0.22	0	60.2	53.5	49.7	16.3	16.3
11A-NOON	2050	0.0	579	0.0	3000	2050	0	579	0.22	0	60.2	53.5	49.7	15.2	15.2
NOON-1PM	2115	0.0	597	0.0	3000	2115	0	597	0.22	0	60.2	53.5	49.7	14.9	14.9
1-2 PM	1986	0.0	561	0.0	3000	1986	0	561	0.22	0	60.2	53.5	49.7	15.4	15.4
2-3 PM	2114	0.0	597	0.0	3000	2114	0	597	0.22	0	60.2	53.5	49.7	14.9	14.9
3-4 PM	2128	0.0	601	0.0	3000	2128	0	601	0.22	0	60.2	53.5	49.7	14.8	14.8
4-5 PM	1949	0.0	550	0.0	3000	1949	0	550	0.22	0	60.2	53.5	49.7	15.6	15.6
5-6 PM	1716	0.0	484	0.0	3000	1716	0	484	0.22	0	60.2	53.5	49.7	16.5	16.5
6-7 PM	1453	0.0	410	0.0	3000	1453	0	410	0.22	0	60.2	53.5	49.7	17.6	17.6
7-8 PM	1239	0.0	349	0.0	3000	1239	0	349	0.22	0	60.2	53.5	49.7	18.5	18.5
8-9 PM	1166	0.0	330	0.0	3000	1166	0	330	0.22	0	60.2	53.5	49.7	18.8	18.8
9-10 PM	1063	0.0	300	0.0	3000	1063	0	300	0.22	0	60.2	53.5	49.7	19.3	19.3
10-11 PM	858	0.0	243	0.0	3000	858	0	243	0.22	0	60.2	53.5	49.7	20.1	20.1
11PM-MID	624	0.0	176	0.0	3000	624	0	176	0.22	0	60.2	53.5	49.7	21.1	21.1

----- 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	0.0074
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.0560

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,474
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 32, STH 57

AUGUST
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SATURDAY EASTBOUND DIRECTION

