

USH 41: IH 43 TO STH 29 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE		
MID-1 AM	186	0.0	1500	186	0	0.44	0	66.0	53.2	44.7	
1-2 AM	114	0.0	1500	114	0	0.43	0	66.2	53.4	45.0	
2-3 AM	111	0.0	1500	111	0	0.43	0	66.2	53.4	45.0	
3-4 AM	169	0.0	1500	169	0	0.44	0	66.1	53.2	44.8	
4-5 AM	484	0.0	1500	484	0	0.47	0	65.5	52.1	43.6	
5-6 AM	1261	0.0	1499	1261	0	0.74	0	64.0	45.8	36.3	
6-7 AM	2341	0.0	1499	1859	481	10.77+	299	62.0	11.2	31.3	
7-8 AM	2902	0.0	1500	1564	1337	16.95+	438	56.8	8.6	30.8	
8-9 AM	1999	0.0	1500	1501	498	16.89+	429	62.7	8.7	30.8	
9-10 AM	1938	0.0	1500	1501	437	16.89+	428	62.8	8.7	30.8	
10-11 AM	2049	0.0	1500	1501	549	16.89+	429	62.6	8.7	30.8	
11AM-NOON	2153	0.0	1500	1501	653	16.90+	429	62.3	8.7	30.8	
NOON-1PM	2235	0.0	1500	1501	734	16.90+	429	62.2	8.7	30.8	
1-2 PM	2274	0.0	1500	1500	773	16.90+	429	62.2	8.7	30.8	
2-3 PM	2299	0.0	1500	1500	799	16.90+	429	62.1	8.7	30.8	
3-4 PM	2352	0.0	1500	1500	852	16.90+	430	62.0	8.7	30.8	
4-5 PM	2375	0.0	1500	1500	874	16.90+	430	62.0	8.7	30.8	
5-6 PM	2230	0.0	1500	1500	730	16.90+	429	62.2	8.7	30.8	
6-7 PM	1740	0.0	1500	1500	240	16.89+	428	63.2	8.7	30.8	
7-8 PM	1171	0.0	1499	1171	0	11.02+	290	64.2	10.9	32.7	
8-9 PM	898	0.0	1500	898	0	0.70	9	64.7	46.9	42.0	
9-10 PM	747	0.0	1500	747	0	0.49	0	65.0	51.2	42.6	
10-11 PM	616	0.0	1500	616	0	0.48	0	65.3	51.7	43.1	
11PM-MID	426	0.0	1500	426	0	0.46	0	65.6	52.4	43.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

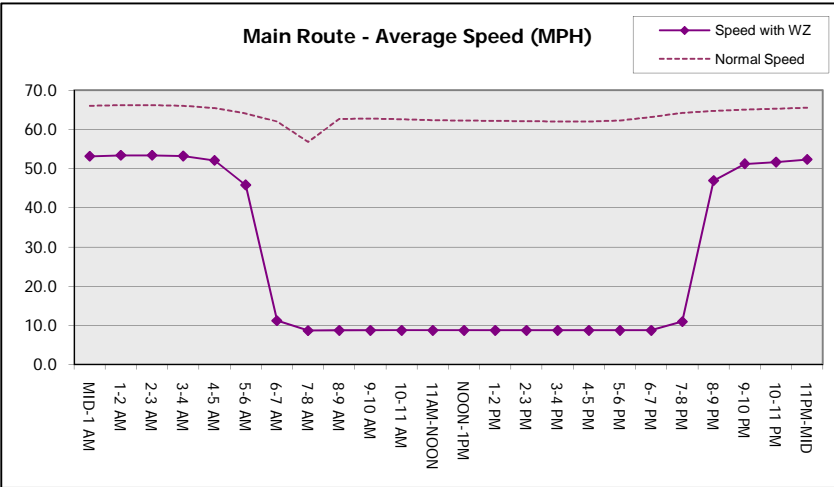
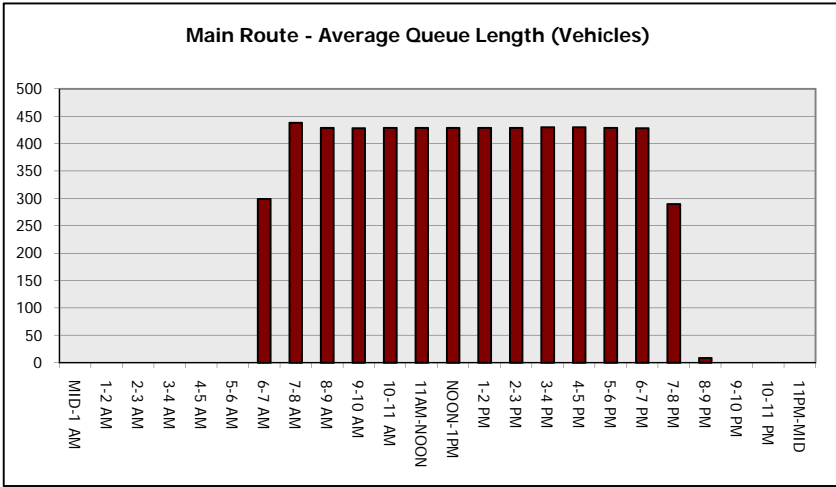
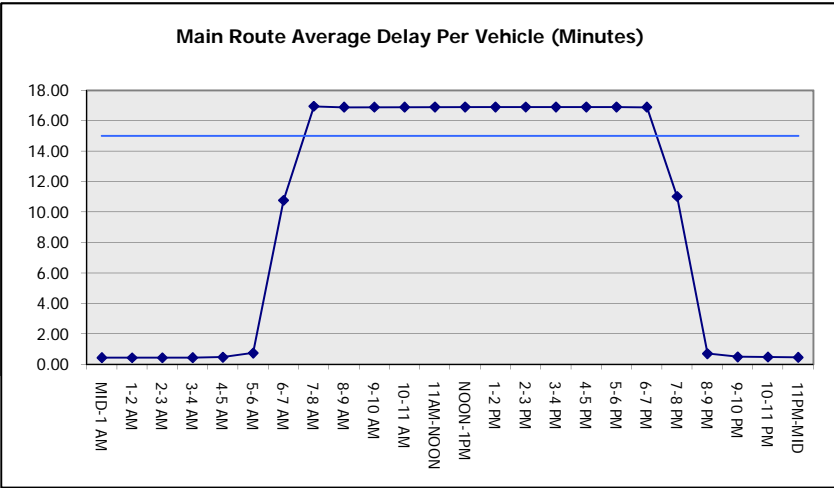
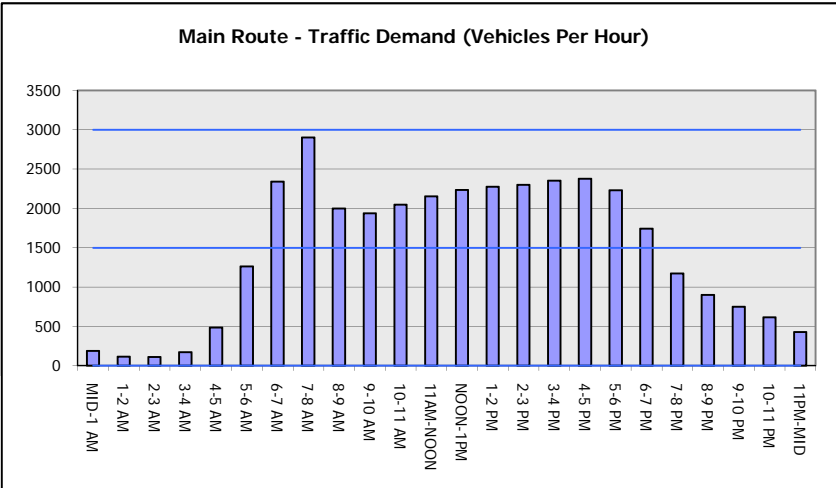
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0112
MAIN ROUTE WITH WORKS	0.0066
'DIVERSION'	0.0066
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$110,745
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: IH 43 TO STH 29 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	310	0.0	1500	310	0	0.45	0	65.8	52.7	44.2
1-2 AM	190	0.0	1500	190	0	0.44	0	66.0	53.2	44.7
2-3 AM	160	0.0	1500	160	0	0.44	0	66.1	53.2	44.8
3-4 AM	159	0.0	1500	159	0	0.44	0	66.1	53.2	44.8
4-5 AM	236	0.0	1500	236	0	0.45	0	66.0	53.0	44.5
5-6 AM	620	0.0	1500	620	0	0.48	0	65.2	51.7	43.0
6-7 AM	1197	0.0	1500	1197	0	0.63	0	64.1	47.9	38.6
7-8 AM	1390	0.0	1500	1390	0	0.88	0	63.8	43.4	33.2
8-9 AM	1375	0.0	1499	1375	0	0.86	0	63.8	43.8	33.6
9-10 AM	1627	0.0	1499	1627	0	2.41	45	63.3	27.9	30.8
10-11 AM	1943	0.0	1500	1810	133	11.93+	311	62.8	10.4	30.8
11AM-NOON	2206	0.0	1500	1499	707	16.90+	429	62.3	8.7	30.8
NOON-1PM	2387	0.0	1499	1499	888	16.90+	430	61.9	8.7	30.8
1-2 PM	2471	0.0	1499	1499	972	16.88+	430	61.2	8.7	30.8
2-3 PM	2942	0.0	1499	1508	1434	17.03+	441	56.4	8.6	30.8
3-4 PM	3368	0.0	1499	1500	1868	17.04+	448	52.0	8.6	30.8
4-5 PM	3683	0.0	1500	1500	2183	16.82+	448	48.7	8.6	30.8
5-6 PM	3317	0.0	1500	1502	1816	17.07+	448	52.5	8.6	30.8
6-7 PM	2470	0.0	1500	1492	978	16.91+	431	61.2	8.7	30.8
7-8 PM	1765	0.0	1500	1499	267	16.89+	428	63.1	8.7	30.8
8-9 PM	1500	0.0	1499	1463	36	16.67+	422	63.6	8.8	30.8
9-10 PM	1191	0.0	1499	1191	0	9.98	261	64.1	11.5	32.4
10-11 PM	923	0.0	1500	923	0	0.69	7	64.6	47.2	41.9
11PM-MID	644	0.0	1500	644	0	0.48	0	65.2	51.6	43.0

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0121
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0083

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$109,869
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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