

IH 43: STH 54/57 TO STH 172 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	157	0.0	1500	157	0	0.44	0	66.1	60.4	44.8
1-2 AM	94	0.0	1500	94	0	0.43	0	66.2	60.5	45.1
2-3 AM	93	0.0	1500	93	0	0.43	0	66.2	60.5	45.1
3-4 AM	69	0.0	1500	69	0	0.43	0	66.3	60.6	45.2
4-5 AM	88	0.0	1500	88	0	0.43	0	66.2	60.5	45.1
5-6 AM	156	0.0	1500	156	0	0.44	0	66.1	60.4	44.8
6-7 AM	248	0.0	1500	248	0	0.45	0	66.0	60.1	44.5
7-8 AM	448	0.0	1500	448	0	0.47	0	65.6	59.6	43.7
8-9 AM	626	0.0	1500	626	0	0.48	0	65.2	59.1	43.0
9-10 AM	1002	0.0	1500	1002	0	0.52	0	64.5	58.1	41.7
10-11 AM	1375	0.0	1499	1375	0	0.86	0	63.8	54.1	33.7
11AM-NOON	1585	0.0	1499	1585	0	2.10	31	63.4	44.2	30.8
NOON-1PM	1722	0.0	1500	1722	0	7.87	195	63.2	24.0	30.8
1-2 PM	1618	0.0	1499	1593	24	14.54+	366	63.3	15.8	30.8
2-3 PM	1617	0.0	1500	1500	117	15.84+	400	63.4	14.8	30.8
3-4 PM	1653	0.0	1500	1500	153	15.83+	400	63.3	14.8	30.8
4-5 PM	1505	0.0	1500	1483	21	15.71+	396	63.6	14.9	30.8
5-6 PM	1350	0.0	1499	1350	0	12.83	321	63.9	17.4	30.8
6-7 PM	1102	0.0	1499	1102	0	2.56	77	64.3	41.8	37.9
7-8 PM	959	0.0	1500	959	0	0.52	0	64.6	58.2	41.8
8-9 PM	731	0.0	1500	731	0	0.49	0	65.0	58.9	42.7
9-10 PM	512	0.0	1500	512	0	0.47	0	65.5	59.4	43.5
10-11 PM	306	0.0	1500	306	0	0.45	0	65.8	60.0	44.3
11PM-MID	171	0.0	1500	171	0	0.44	0	66.1	60.4	44.8

+ 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

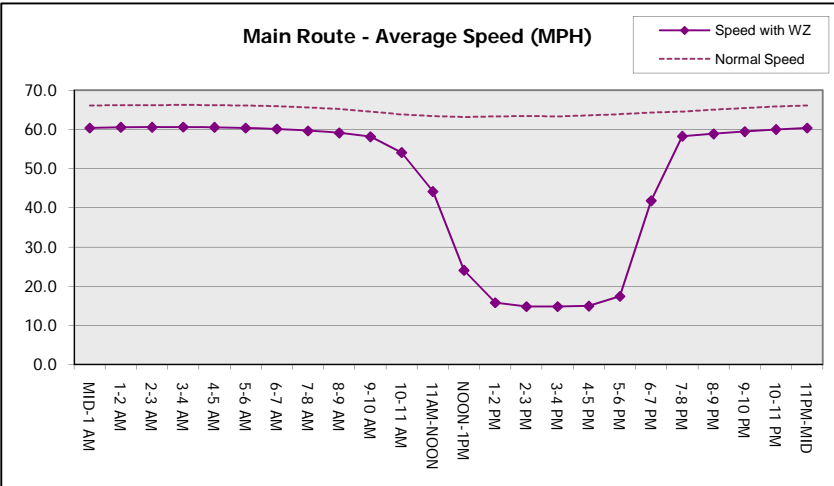
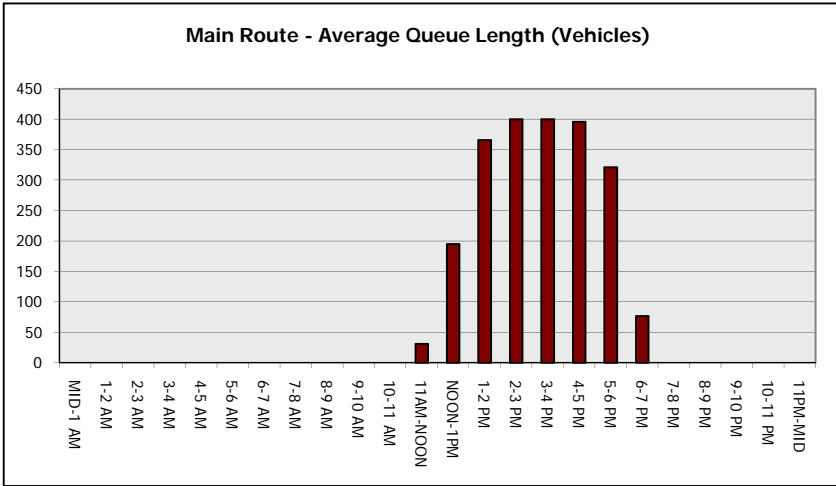
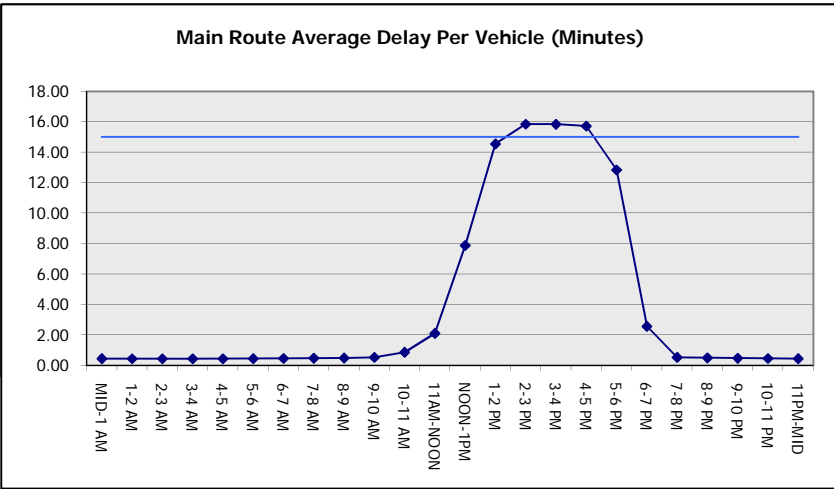
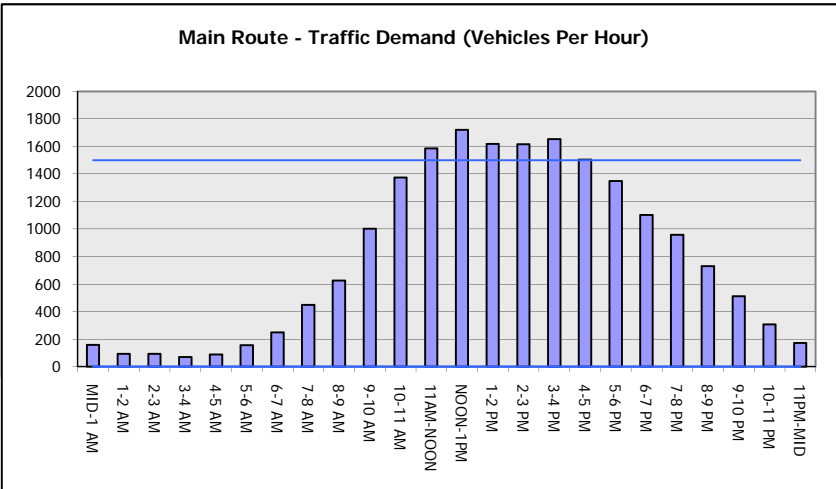
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0156
MAIN ROUTE WITH WORKS	0.0141
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$39,345
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	230	0.0	1500	230	0	0.44	0	66.0	60.2	44.6
1-2 AM	135	0.0	1500	135	0	0.44	0	66.1	60.4	45.0
2-3 AM	119	0.0	1500	119	0	0.43	0	66.1	60.5	45.0
3-4 AM	87	0.0	1500	87	0	0.43	0	66.2	60.5	45.1
4-5 AM	57	0.0	1500	57	0	0.43	0	66.3	60.7	45.3
5-6 AM	112	0.0	1500	112	0	0.43	0	66.2	60.5	45.0
6-7 AM	193	0.0	1500	193	0	0.44	0	66.0	60.3	44.7
7-8 AM	266	0.0	1500	266	0	0.45	0	65.9	60.1	44.4
8-9 AM	423	0.0	1500	423	0	0.46	0	65.6	59.7	43.8
9-10 AM	656	0.0	1500	656	0	0.49	0	65.1	59.1	42.9
10-11 AM	940	0.0	1500	940	0	0.51	0	64.6	58.3	41.9
11AM-NOON	1133	0.0	1500	1133	0	0.55	0	64.3	57.6	40.7
NOON-1PM	1234	0.0	1500	1234	0	0.68	0	64.1	56.1	37.4
1-2 PM	1170	0.0	1500	1170	0	0.60	0	64.2	57.1	39.4
2-3 PM	1207	0.0	1500	1207	0	0.65	0	64.1	56.5	38.2
3-4 PM	1188	0.0	1500	1188	0	0.62	0	64.1	56.8	38.9
4-5 PM	1176	0.0	1500	1176	0	0.61	0	64.2	56.9	39.2
5-6 PM	1084	0.0	1500	1084	0	0.53	0	64.3	57.9	41.4
6-7 PM	970	0.0	1500	970	0	0.52	0	64.6	58.2	41.8
7-8 PM	791	0.0	1500	791	0	0.50	0	64.9	58.7	42.4
8-9 PM	622	0.0	1500	622	0	0.48	0	65.2	59.1	43.0
9-10 PM	456	0.0	1500	456	0	0.47	0	65.5	59.6	43.7
10-11 PM	419	0.0	1500	419	0	0.46	0	65.6	59.7	43.8
11PM-MID	259	0.0	1500	259	0	0.45	0	65.9	60.1	44.5

----- 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	0.0111
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,312
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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