

IH 43: STH 54/57 TO STH 172 (BROWN COUNTY) NIGHTTIME 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	OFF	1002	0	0.00	0	64.5	64.5	64.5
10-11 AM	1375	0.0	OFF	1375	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1585	0.0	OFF	1585	0	0.00	0	63.4	63.4	63.4
NOON-1PM	1722	0.0	OFF	1722	0	0.00	0	63.2	63.2	63.2
1-2 PM	1618	0.0	OFF	1618	0	0.00	0	63.3	63.3	63.3
2-3 PM	1617	0.0	OFF	1617	0	0.00	0	63.4	63.4	63.4
3-4 PM	1653	0.0	OFF	1653	0	0.00	0	63.3	63.3	63.3
4-5 PM	1505	0.0	OFF	1505	0	0.00	0	63.6	63.6	63.6
5-6 PM	1350	0.0	OFF	1350	0	0.00	0	63.9	63.9	63.9
6-7 PM	1102	0.0	OFF	1102	0	0.00	0	64.3	64.3	64.3
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

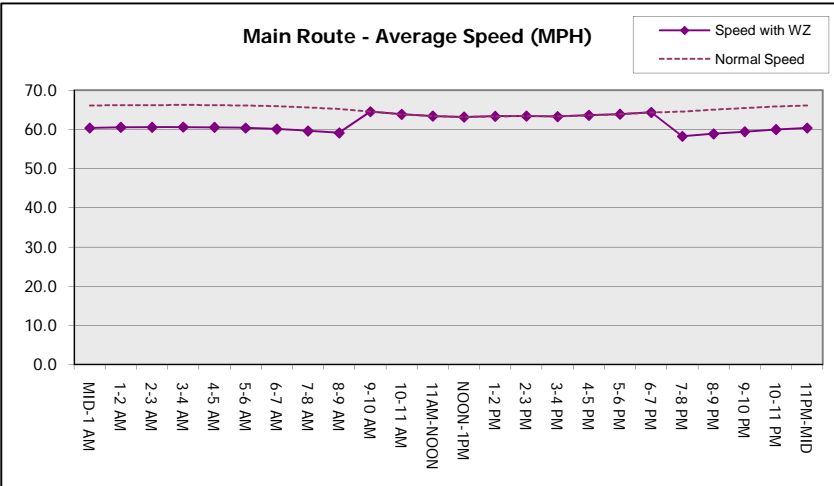
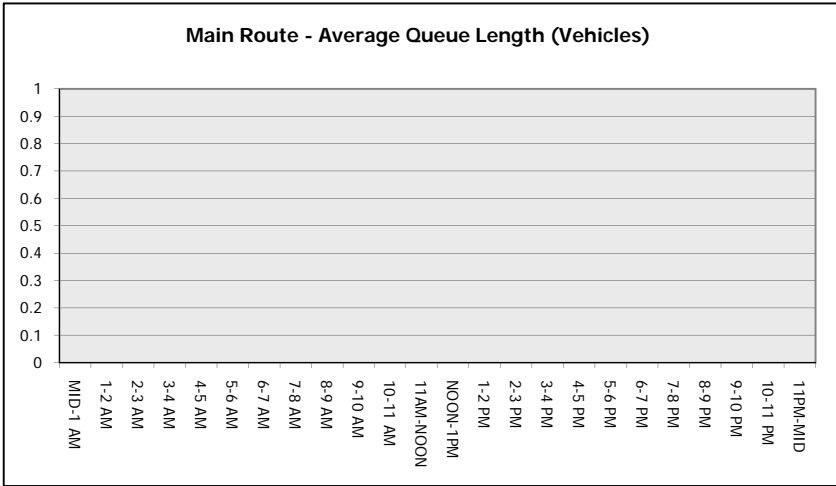
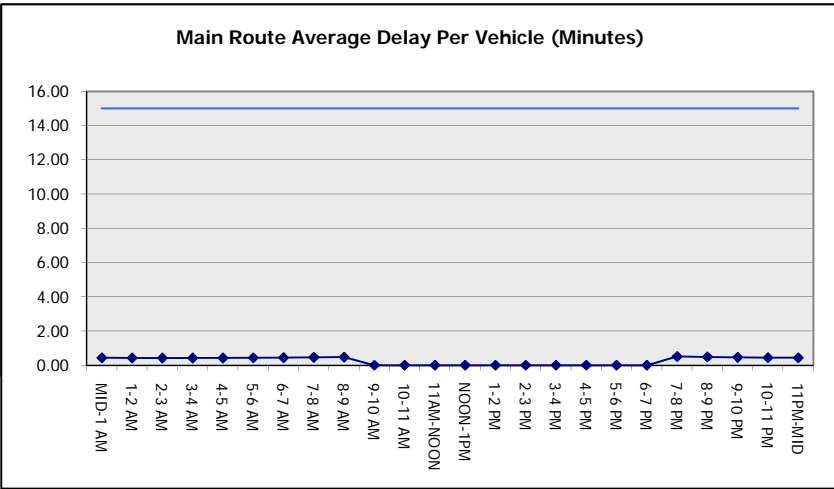
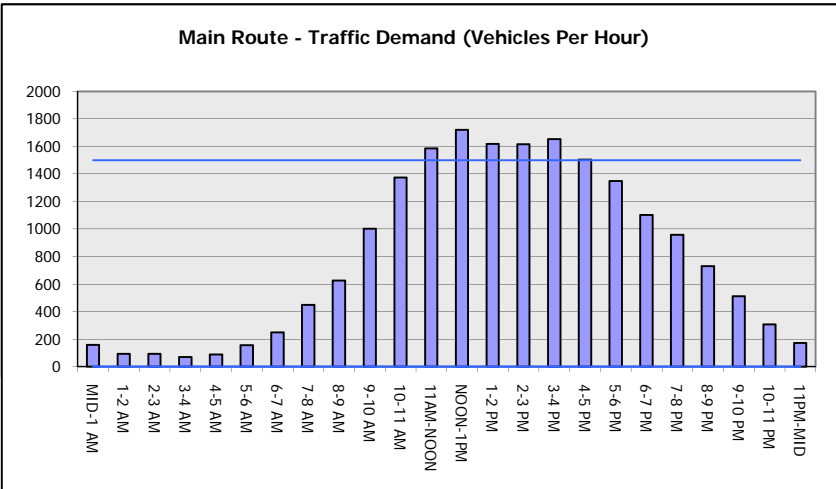
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0156
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$524
CONGESTED HOURS PER DAY*	0

*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	OFF	656	0	0.00	0	65.1	65.1	65.1
10-11 AM	940	0.0	OFF	940	0	0.00	0	64.6	64.6	64.6
11AM-NOON	1133	0.0	OFF	1133	0	0.00	0	64.3	64.3	64.3
NOON-1PM	1234	0.0	OFF	1234	0	0.00	0	64.1	64.1	64.1
1-2 PM	1170	0.0	OFF	1170	0	0.00	0	64.2	64.2	64.2
2-3 PM	1207	0.0	OFF	1207	0	0.00	0	64.1	64.1	64.1
3-4 PM	1188	0.0	OFF	1188	0	0.00	0	64.1	64.1	64.1
4-5 PM	1176	0.0	OFF	1176	0	0.00	0	64.2	64.2	64.2
5-6 PM	1084	0.0	OFF	1084	0	0.00	0	64.3	64.3	64.3
6-7 PM	970	0.0	OFF	970	0	0.00	0	64.6	64.6	64.6
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0118
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$458
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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