

IH 43: STH 54/57 TO STH 172 (BROWN COUNTY) NIGHTTIME 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	148	0.0	1500	148	0	0.44	0	66.1	60.4	44.9	
1-2 AM	88	0.0	1500	88	0	0.43	0	66.2	60.5	45.1	
2-3 AM	90	0.0	1500	90	0	0.43	0	66.2	60.5	45.1	
3-4 AM	105	0.0	1500	105	0	0.43	0	66.2	60.5	45.1	
4-5 AM	234	0.0	1500	234	0	0.45	0	66.0	60.2	44.5	
5-6 AM	753	0.0	OFF	753	0	0.00	0	65.0	65.0	65.0	
6-7 AM	1557	0.0	OFF	1557	0	0.00	0	63.5	63.5	63.5	
7-8 AM	1947	0.0	OFF	1947	0	0.00	0	62.8	62.8	62.8	
8-9 AM	1485	0.0	OFF	1485	0	0.00	0	63.6	63.6	63.6	
9-10 AM	1362	0.0	OFF	1362	0	0.00	0	63.8	63.8	63.8	
10-11 AM	1554	0.0	OFF	1554	0	0.00	0	63.5	63.5	63.5	
11AM-NOON	1666	0.0	OFF	1666	0	0.00	0	63.3	63.3	63.3	
NOON-1PM	1743	0.0	OFF	1743	0	0.00	0	63.2	63.2	63.2	
1-2 PM	1724	0.0	OFF	1724	0	0.00	0	63.2	63.2	63.2	
2-3 PM	1808	0.0	OFF	1808	0	0.00	0	63.0	63.0	63.0	
3-4 PM	1873	0.0	OFF	1873	0	0.00	0	62.9	62.9	62.9	
4-5 PM	2101	0.0	OFF	2101	0	0.00	0	62.5	62.5	62.5	
5-6 PM	1855	0.0	OFF	1855	0	0.00	0	62.9	62.9	62.9	
6-7 PM	1429	0.0	OFF	1429	0	0.00	0	63.7	63.7	63.7	
7-8 PM	1027	0.0	1500	1027	0	0.52	0	64.5	58.1	41.6	
8-9 PM	803	0.0	1500	803	0	0.50	0	64.9	58.7	42.4	
9-10 PM	668	0.0	1500	668	0	0.49	0	65.1	59.0	42.8	
10-11 PM	534	0.0	1500	534	0	0.47	0	65.4	59.4	43.4	
11PM-MID	335	0.0	1500	335	0	0.45	0	65.8	59.9	44.2	

"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

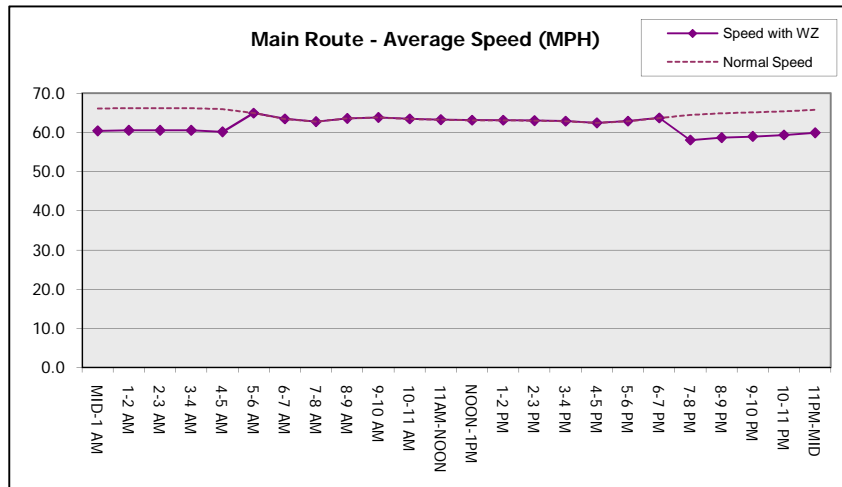
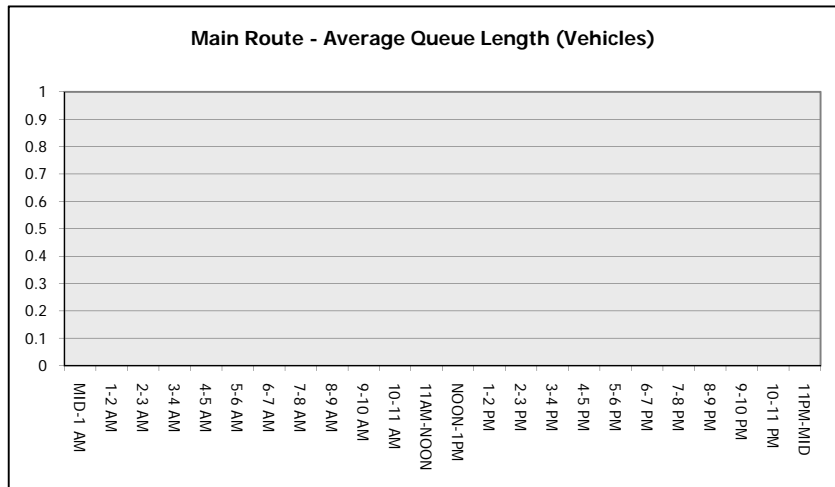
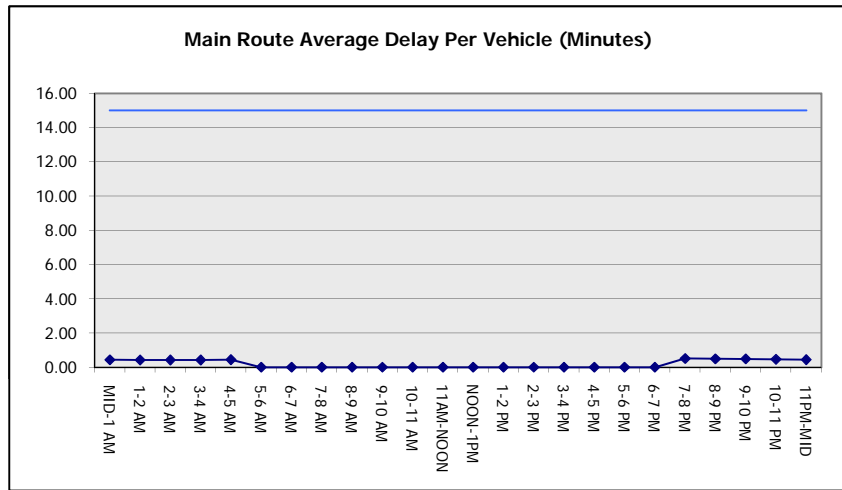
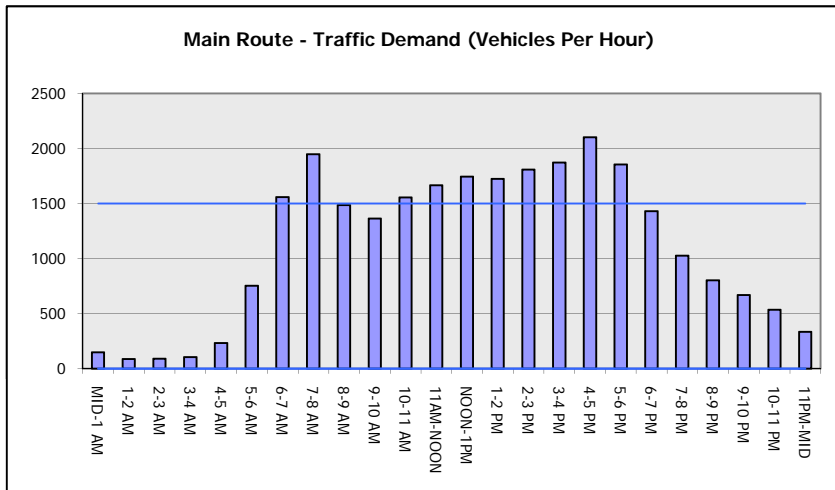
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0218
MAIN ROUTE WITH WORKS	0.0216
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$431
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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AUGUST
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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	239	0.0	1500	239	0	0.45	0	66.0	60.2	44.5
1-2 AM	151	0.0	1500	151	0	0.44	0	66.1	60.4	44.9
2-3 AM	119	0.0	1500	119	0	0.43	0	66.1	60.5	45.0
3-4 AM	89	0.0	1500	89	0	0.43	0	66.2	60.5	45.1
4-5 AM	158	0.0	1500	158	0	0.44	0	66.1	60.4	44.8
5-6 AM	397	0.0	OFF	397	0	0.00	0	65.6	65.6	65.6
6-7 AM	883	0.0	OFF	883	0	0.00	0	64.8	64.8	64.8
7-8 AM	1293	0.0	OFF	1293	0	0.00	0	64.0	64.0	64.0
8-9 AM	1155	0.0	OFF	1155	0	0.00	0	64.2	64.2	64.2
9-10 AM	1260	0.0	OFF	1260	0	0.00	0	64.0	64.0	64.0
10-11 AM	1465	0.0	OFF	1465	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1620	0.0	OFF	1620	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1711	0.0	OFF	1711	0	0.00	0	63.2	63.2	63.2
1-2 PM	1858	0.0	OFF	1858	0	0.00	0	62.9	62.9	62.9
2-3 PM	2073	0.0	OFF	2073	0	0.00	0	62.5	62.5	62.5
3-4 PM	2391	0.0	OFF	2391	0	0.00	0	61.9	61.9	61.9
4-5 PM	2832	0.0	OFF	2832	0	0.00	0	57.5	57.5	57.5
5-6 PM	2645	0.0	OFF	2645	0	0.00	0	59.4	59.4	59.4
6-7 PM	1888	0.0	OFF	1888	0	0.00	0	62.8	62.8	62.8
7-8 PM	1407	0.0	1500	1407	0	0.90	0	63.8	53.7	32.8
8-9 PM	1174	0.0	1500	1174	0	0.60	0	64.2	57.0	39.3
9-10 PM	993	0.0	1500	993	0	0.52	0	64.5	58.2	41.7
10-11 PM	756	0.0	1500	756	0	0.50	0	65.0	58.8	42.5
11PM-MID	538	0.0	1500	538	0	0.47	0	65.4	59.4	43.3

"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	0.0236
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$759
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY NORTHBOUND DIRECTION**

