

<b>IH 43: USH 41 TO STH 54/57 (BROWN COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	89	0.0	1500	89	0	0.43	0	66.2	61.3	45.1
1-2 AM	74	0.0	1500	74	0	0.43	0	66.3	61.3	45.2
2-3 AM	97	0.0	1500	97	0	0.43	0	66.2	61.2	45.1
3-4 AM	111	0.0	1500	111	0	0.43	0	66.2	61.2	45.0
4-5 AM	268	0.0	1500	268	0	0.45	0	65.9	60.8	44.4
5-6 AM	786	0.0	1500	786	0	0.50	0	64.9	59.5	42.4
6-7 AM	1273	0.0	1499	1273	0	0.73	0	64.0	56.6	36.5
7-8 AM	1651	0.0	1499	1651	0	3.67	77	63.3	38.2	30.8
8-9 AM	1211	0.0	1499	1211	0	2.21	52	64.1	45.8	36.5
9-10 AM	995	0.0	1500	995	0	0.52	0	64.5	58.9	41.7
10-11 AM	972	0.0	1500	972	0	0.52	0	64.6	59.0	41.8
11AM-NOON	1012	0.0	1500	1012	0	0.52	0	64.5	58.9	41.6
NOON-1PM	1089	0.0	1500	1089	0	0.53	0	64.3	58.7	41.4
1-2 PM	1160	0.0	1500	1160	0	0.59	0	64.2	58.1	39.7
2-3 PM	1246	0.0	1499	1246	0	0.69	0	64.1	56.9	37.1
3-4 PM	1491	0.0	1499	1491	0	1.18	5	63.6	52.5	31.4
4-5 PM	1674	0.0	1500	1674	0	4.73	107	63.3	34.3	30.8
5-6 PM	1535	0.0	1499	1535	0	9.68	234	63.5	23.2	30.8
6-7 PM	1003	0.0	1499	1003	0	2.30	67	64.5	45.5	38.8
7-8 PM	704	0.0	1500	704	0	0.49	0	65.1	59.7	42.7
8-9 PM	604	0.0	1500	604	0	0.48	0	65.3	59.9	43.1
9-10 PM	487	0.0	1500	487	0	0.47	0	65.5	60.2	43.5
10-11 PM	306	0.0	1500	306	0	0.45	0	65.8	60.7	44.3
11PM-MID	181	0.0	1500	181	0	0.44	0	66.1	61.0	44.8

*----- 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	0.0188
MAIN ROUTE WITH WORKS	0.0175
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,082
CONGESTED HOURS PER DAY*	0

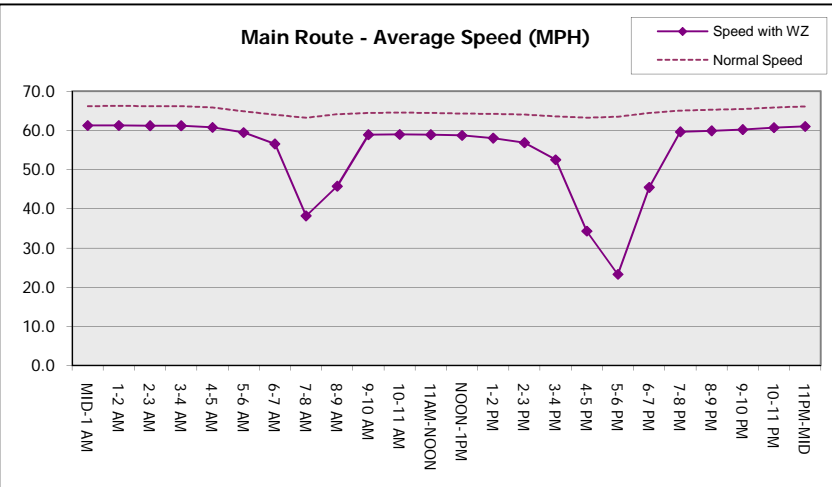
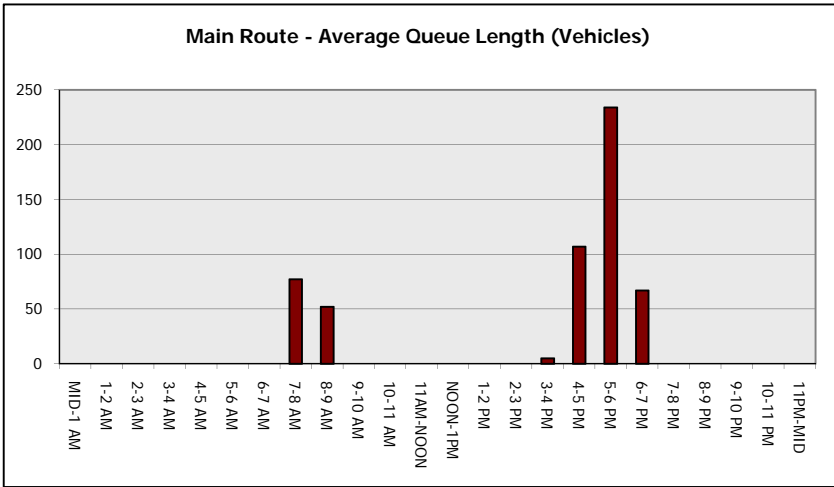
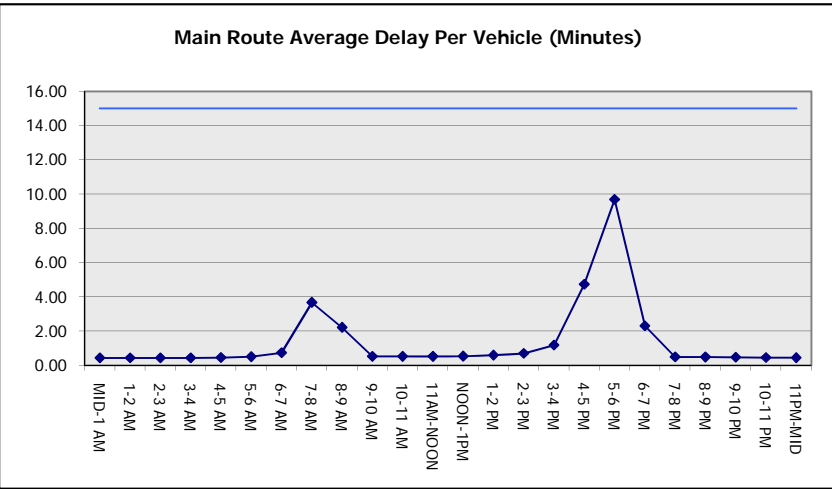
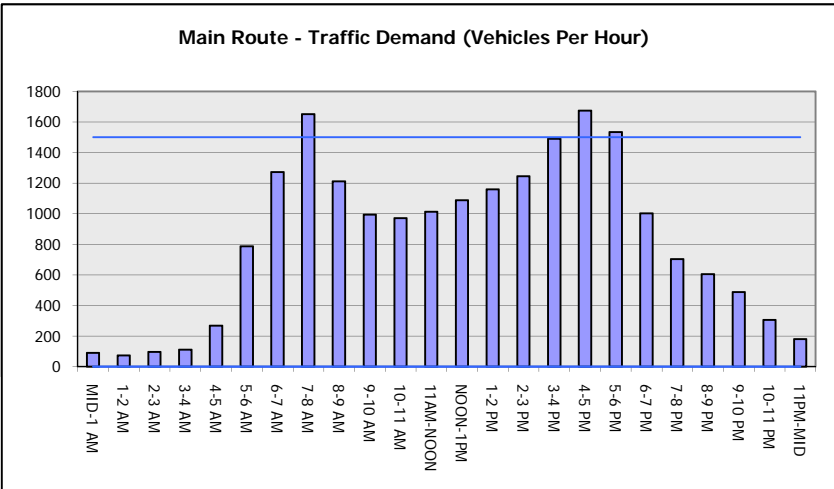
\*Delays Exceeding User-Specified Maximum

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**MAY**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**MON-THUR SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	103	0.0	1500	103	0	0.43	0	66.2	61.2	45.1
1-2 AM	74	0.0	1500	74	0	0.43	0	66.3	61.3	45.2
2-3 AM	70	0.0	1500	70	0	0.43	0	66.3	61.4	45.2
3-4 AM	86	0.0	1500	86	0	0.43	0	66.2	61.3	45.1
4-5 AM	185	0.0	1500	185	0	0.44	0	66.0	61.0	44.7
5-6 AM	511	0.0	1500	511	0	0.47	0	65.5	60.2	43.5
6-7 AM	1154	0.0	1500	1154	0	0.58	0	64.2	58.1	40.0
7-8 AM	1443	0.0	1500	1443	0	0.95	0	63.7	54.4	32.0
8-9 AM	961	0.0	1500	961	0	0.52	0	64.6	59.1	41.8
9-10 AM	863	0.0	1500	863	0	0.51	0	64.8	59.3	42.2
10-11 AM	902	0.0	1500	902	0	0.51	0	64.7	59.2	42.0
11AM-NOON	988	0.0	1500	988	0	0.52	0	64.5	59.0	41.7
NOON-1PM	1050	0.0	1500	1050	0	0.52	0	64.5	58.8	41.5
1-2 PM	1109	0.0	1500	1109	0	0.53	0	64.3	58.7	41.3
2-3 PM	1335	0.0	1499	1335	0	0.81	0	63.9	55.8	34.7
3-4 PM	1648	0.0	1499	1648	0	2.94	58	63.3	41.5	30.8
4-5 PM	1843	0.0	1500	1759	84	11.88+	307	63.0	20.2	30.8
5-6 PM	1638	0.0	1500	1495	143	15.81+	399	63.3	16.5	30.8
6-7 PM	1061	0.0	1499	1061	0	6.82	212	64.4	28.8	35.7
7-8 PM	706	0.0	1500	706	0	0.49	0	65.1	59.7	42.7
8-9 PM	561	0.0	1500	561	0	0.48	0	65.3	60.1	43.3
9-10 PM	439	0.0	1500	439	0	0.47	0	65.6	60.4	43.7
10-11 PM	306	0.0	1500	306	0	0.45	0	65.8	60.7	44.3
11PM-MID	168	0.0	1500	168	0	0.44	0	66.1	61.0	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	0.0180
MAIN ROUTE WITH WORKS	0.0166
'DIVERSION'	0.0005

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$14,628
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

