

USH 41: IH 43 TO STH 29 (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	218	0.0	OFF	218	0	0.00	0	66.0	66.0	66.0	
1-2 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1	
2-3 AM	148	0.0	OFF	148	0	0.00	0	66.1	66.1	66.1	
3-4 AM	120	0.0	OFF	120	0	0.00	0	66.1	66.1	66.1	
4-5 AM	201	0.0	OFF	201	0	0.00	0	66.0	66.0	66.0	
5-6 AM	377	0.0	OFF	377	0	0.00	0	65.7	65.7	65.7	
6-7 AM	585	0.0	OFF	585	0	0.00	0	65.3	65.3	65.3	
7-8 AM	979	0.0	OFF	979	0	0.00	0	64.6	64.6	64.6	
8-9 AM	1345	0.0	1499	1345	0	0.82	0	63.9	44.5	34.5	
9-10 AM	1673	0.0	1499	1673	0	3.16	70	63.3	23.7	30.8	
10-11 AM	1845	0.0	1500	1770	75	12.76+	327	63.0	10.0	30.8	
11AM-NOON	1895	0.0	1500	1498	397	16.89+	428	62.8	8.7	30.8	
NOON-1PM	1824	0.0	1499	1498	326	16.89+	428	63.0	8.7	30.8	
1-2 PM	1822	0.0	1499	1498	323	16.89+	428	63.0	8.7	30.8	
2-3 PM	1772	0.0	1499	1499	274	16.89+	428	63.1	8.7	30.8	
3-4 PM	1866	0.0	1499	1499	367	16.89+	428	62.9	8.7	30.8	
4-5 PM	1732	0.0	1500	1499	233	16.89+	428	63.2	8.7	30.8	
5-6 PM	1552	0.0	1500	1490	62	16.85+	426	63.5	8.7	30.8	
6-7 PM	1352	0.0	OFF	1352	0	0.53	33	63.8	49.7	49.7	
7-8 PM	1031	0.0	OFF	1031	0	0.00	0	64.5	64.5	64.5	
8-9 PM	891	0.0	OFF	891	0	0.00	0	64.7	64.7	64.7	
9-10 PM	683	0.0	OFF	683	0	0.00	0	65.1	65.1	65.1	
10-11 PM	524	0.0	OFF	524	0	0.00	0	65.4	65.4	65.4	
11PM-MID	324	0.0	OFF	324	0	0.00	0	65.8	65.8	65.8	

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

+ 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

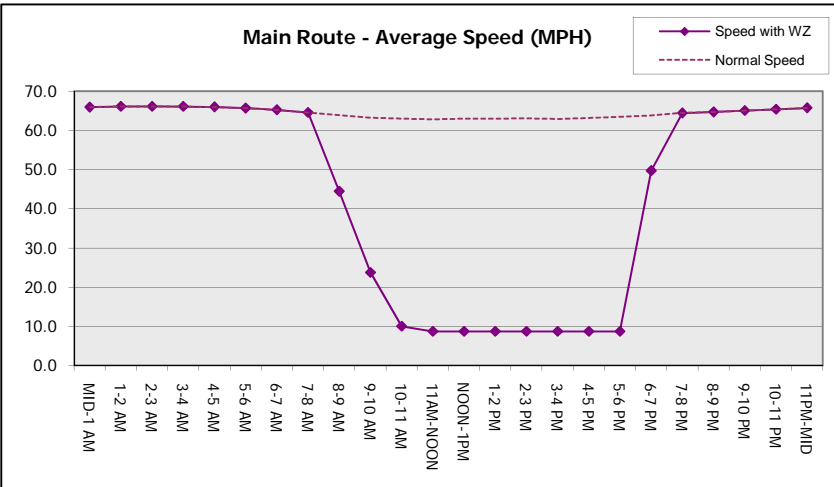
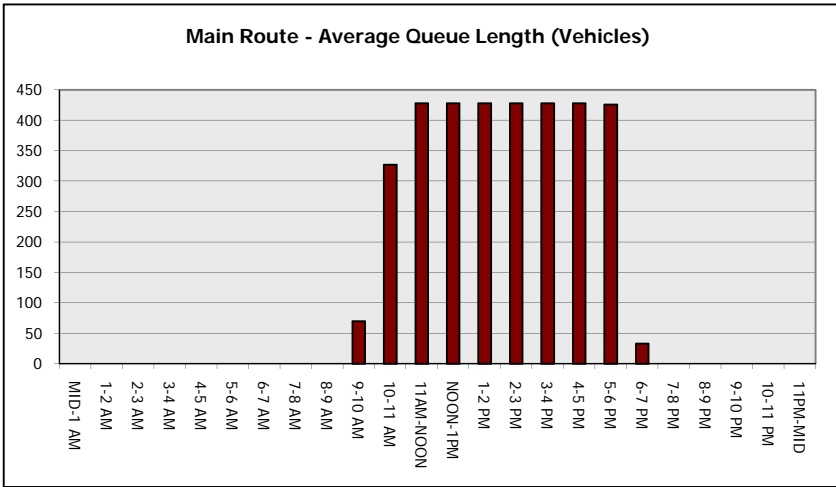
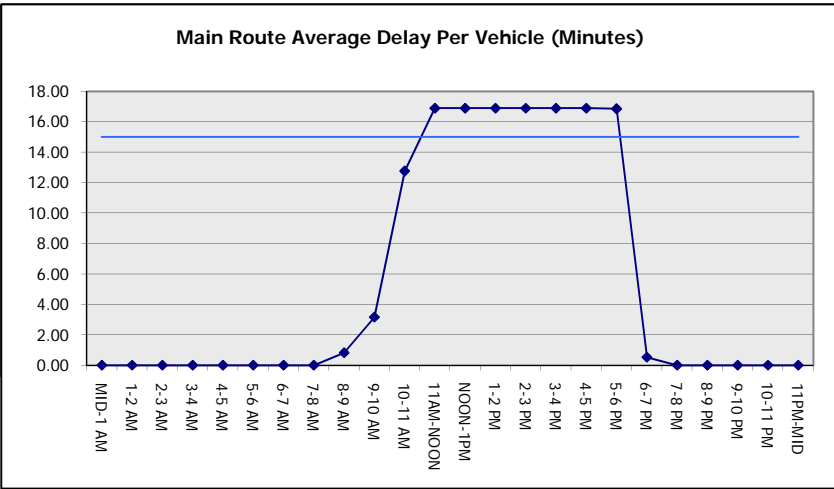
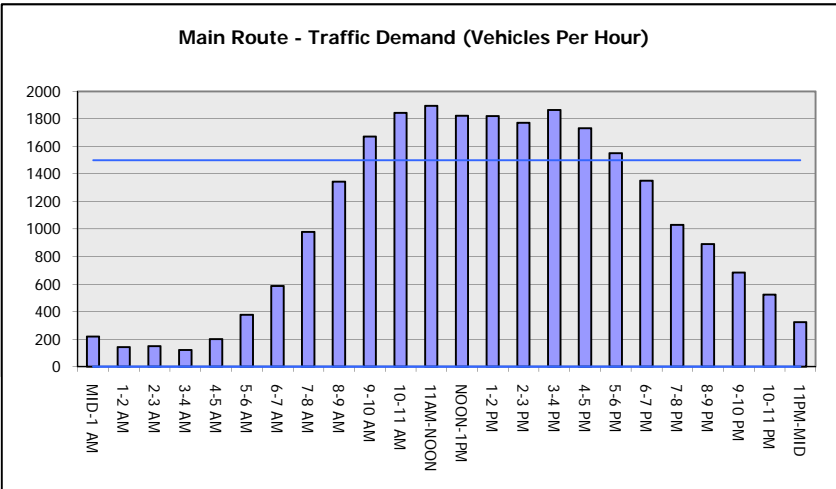
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0079
MAIN ROUTE WITH WORKS	0.0063
'DIVERSION'	0.0015
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$66,075
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	382	0.0	OFF	382	0	0.00	0	65.7	65.7	65.7
1-2 AM	205	0.0	OFF	205	0	0.00	0	66.0	66.0	66.0
2-3 AM	175	0.0	OFF	175	0	0.00	0	66.1	66.1	66.1
3-4 AM	136	0.0	OFF	136	0	0.00	0	66.1	66.1	66.1
4-5 AM	167	0.0	OFF	167	0	0.00	0	66.1	66.1	66.1
5-6 AM	261	0.0	OFF	261	0	0.00	0	65.9	65.9	65.9
6-7 AM	491	0.0	OFF	491	0	0.00	0	65.5	65.5	65.5
7-8 AM	736	0.0	OFF	736	0	0.00	0	65.0	65.0	65.0
8-9 AM	1129	0.0	1499	1129	0	0.59	0	64.3	48.7	39.6
9-10 AM	1510	0.0	1499	1510	0	1.38	13	63.6	36.8	31.8
10-11 AM	1940	0.0	1500	1940	0	9.46+	258	62.8	11.9	30.8
11AM-NOON	2064	0.0	1500	1460	604	16.80+	426	62.5	8.7	30.8
NOON-1PM	2070	0.0	1499	1495	574	16.89+	429	62.5	8.7	30.8
1-2 PM	2016	0.0	1499	1496	520	16.89+	429	62.7	8.7	30.8
2-3 PM	1922	0.0	1499	1497	425	16.89+	428	62.8	8.7	30.8
3-4 PM	1934	0.0	1499	1497	437	16.89+	428	62.8	8.7	30.8
4-5 PM	1726	0.0	1499	1498	228	16.89+	428	63.2	8.7	30.8
5-6 PM	1621	0.0	1499	1498	123	16.88+	428	63.3	8.7	30.8
6-7 PM	1472	0.0	OFF	1472	0	0.59	37	63.7	48.5	48.5
7-8 PM	1152	0.0	OFF	1152	0	0.00	0	64.2	64.2	64.2
8-9 PM	1060	0.0	OFF	1060	0	0.00	0	64.4	64.4	64.4
9-10 PM	871	0.0	OFF	871	0	0.00	0	64.8	64.8	64.8
10-11 PM	680	0.0	OFF	680	0	0.00	0	65.1	65.1	65.1
11PM-MID	515	0.0	OFF	515	0	0.00	0	65.5	65.5	65.5

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

+ 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	0.0084
MAIN ROUTE WITH WORKS	0.0064
'DIVERSION'	0.0021

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,779
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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