

<b>USH 151: IH 39 TO STH 19 (DANE COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE SEGMENT)</b>	<b>AUGUST</b>
	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	320	0.0	OFF	320	0	0.00	0	70.2	70.2	70.2	
1-2 AM	200	0.0	OFF	200	0	0.00	0	70.2	70.2	70.2	
2-3 AM	162	0.0	OFF	162	0	0.00	0	70.2	70.2	70.2	
3-4 AM	105	0.0	OFF	105	0	0.00	0	70.2	70.2	70.2	
4-5 AM	105	0.0	OFF	105	0	0.00	0	70.2	70.2	70.2	
5-6 AM	147	0.0	OFF	147	0	0.00	0	70.2	70.2	70.2	
6-7 AM	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2	
7-8 AM	421	0.0	OFF	421	0	0.00	0	70.2	70.2	70.2	
8-9 AM	663	0.0	OFF	663	0	0.00	0	69.9	69.9	69.9	
9-10 AM	1047	0.0	1499	1047	0	0.61	0	69.4	60.4	41.0	
10-11 AM	1452	0.0	1499	1452	0	1.21	5	68.9	53.2	32.4	
11AM-NOON	1800	0.0	1500	1800	0	6.44	160	68.5	26.7	30.8	
NOON-1PM	1840	0.0	1499	1579	261	16.01+	391	68.4	14.0	30.8	
1-2 PM	1742	0.0	1500	1500	242	16.36+	400	68.6	13.8	30.8	
2-3 PM	1758	0.0	1500	1500	258	16.36+	400	68.6	13.8	30.8	
3-4 PM	1692	0.0	1500	1500	192	16.36+	400	68.6	13.8	30.8	
4-5 PM	1638	0.0	1500	1500	138	16.37+	400	68.7	13.8	30.8	
5-6 PM	1443	0.0	1499	1443	0	15.75+	384	68.9	14.2	30.8	
6-7 PM	1304	0.0	1499	1304	0	10.65	257	69.1	19.1	30.9	
7-8 PM	1106	0.0	OFF	1106	0	0.03	2	69.4	68.8	68.8	
8-9 PM	930	0.0	OFF	930	0	0.00	0	69.6	69.6	69.6	
9-10 PM	760	0.0	OFF	760	0	0.00	0	69.8	69.8	69.8	
10-11 PM	555	0.0	OFF	555	0	0.00	0	70.0	70.0	70.0	
11PM-MID	248	0.0	OFF	248	0	0.00	0	70.2	70.2	70.2	

"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

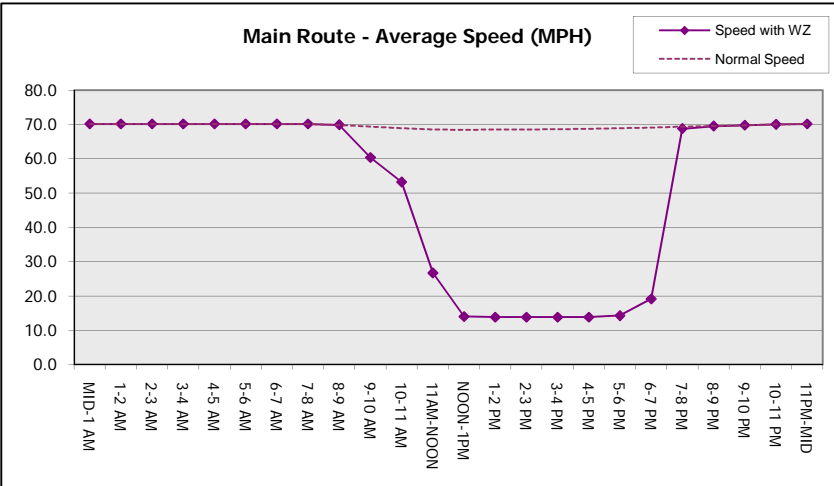
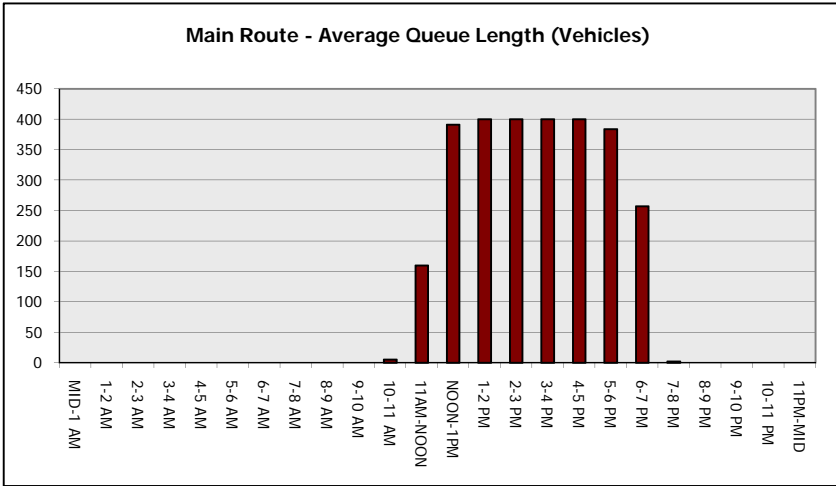
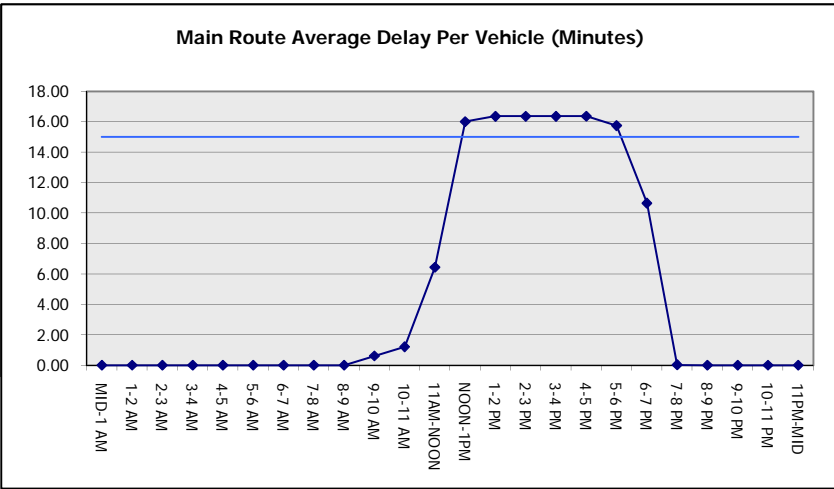
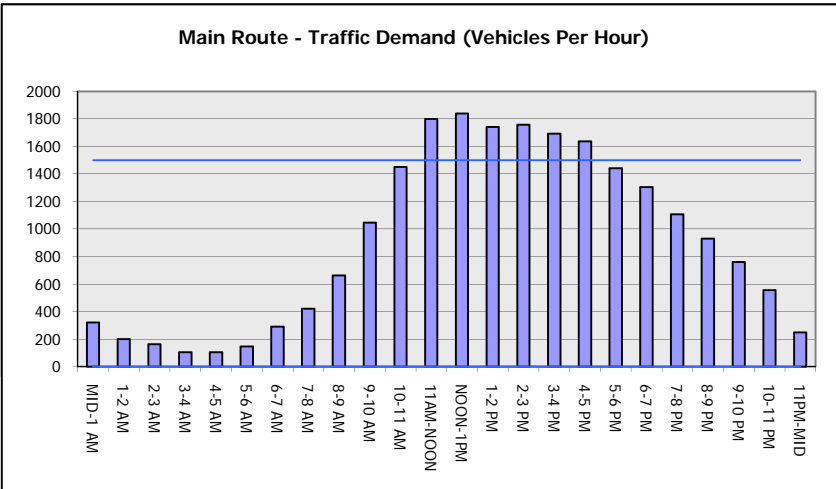
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0162
MAIN ROUTE WITH WORKS	0.0145
'DIVERSION'	0.0019
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$53,092
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
Construction Season

**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	379	0.0	OFF	379	0	0.00	0	70.2	70.2	70.2
1-2 AM	239	0.0	OFF	239	0	0.00	0	70.2	70.2	70.2
2-3 AM	213	0.0	OFF	213	0	0.00	0	70.2	70.2	70.2
3-4 AM	130	0.0	OFF	130	0	0.00	0	70.2	70.2	70.2
4-5 AM	81	0.0	OFF	81	0	0.00	0	70.2	70.2	70.2
5-6 AM	96	0.0	OFF	96	0	0.00	0	70.2	70.2	70.2
6-7 AM	205	0.0	OFF	205	0	0.00	0	70.2	70.2	70.2
7-8 AM	347	0.0	OFF	347	0	0.00	0	70.2	70.2	70.2
8-9 AM	466	0.0	OFF	466	0	0.00	0	70.2	70.2	70.2
9-10 AM	738	0.0	1500	738	0	0.56	0	69.8	61.4	42.6
10-11 AM	1013	0.0	1500	1013	0	0.59	0	69.5	60.7	41.6
11AM-NOON	1371	0.0	1499	1371	0	0.93	0	69.1	56.3	33.7
NOON-1PM	1548	0.0	1499	1548	0	1.64	15	68.8	49.2	30.8
1-2 PM	1660	0.0	1500	1660	0	5.48	121	68.7	29.4	30.8
2-3 PM	1755	0.0	1500	1708	46	13.09+	322	68.6	16.4	30.8
3-4 PM	1844	0.0	1500	1500	344	16.35+	400	68.4	13.8	30.8
4-5 PM	1800	0.0	1500	1500	300	16.35+	400	68.5	13.8	30.8
5-6 PM	1652	0.0	1500	1492	160	16.33+	399	68.7	13.8	30.8
6-7 PM	1471	0.0	1499	1447	25	15.88+	387	68.9	14.1	30.8
7-8 PM	1188	0.0	OFF	1188	0	0.16	13	69.2	66.7	66.7
8-9 PM	995	0.0	OFF	995	0	0.00	0	69.5	69.5	69.5
9-10 PM	733	0.0	OFF	733	0	0.00	0	69.8	69.8	69.8
10-11 PM	495	0.0	OFF	495	0	0.00	0	70.1	70.1	70.1
11PM-MID	332	0.0	OFF	332	0	0.00	0	70.2	70.2	70.2

"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	0.0155
MAIN ROUTE WITH WORKS	0.0139
'DIVERSION'	0.0015

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,681
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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