

USH 151: IH 39 TO STH 19 (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
	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	155	0.0	OFF	155	0	0.00	0	70.2	70.2	70.2	
1-2 AM	134	0.0	OFF	134	0	0.00	0	70.2	70.2	70.2	
2-3 AM	91	0.0	OFF	91	0	0.00	0	70.2	70.2	70.2	
3-4 AM	120	0.0	OFF	120	0	0.00	0	70.2	70.2	70.2	
4-5 AM	271	0.0	OFF	271	0	0.00	0	70.2	70.2	70.2	
5-6 AM	844	0.0	OFF	844	0	0.00	0	69.7	69.7	69.7	
6-7 AM	2275	0.0	OFF	2275	0	0.00	0	67.9	67.9	67.9	
7-8 AM	3141	0.0	OFF	3141	0	0.00	0	66.8	66.8	66.8	
8-9 AM	2010	0.0	OFF	2010	0	0.00	0	68.2	68.2	68.2	
9-10 AM	1585	0.0	OFF	1585	0	0.00	0	68.7	68.7	68.7	
10-11 AM	1546	0.0	1499	1546	0	1.92	22	68.8	46.8	30.8	
11AM-NOON	1607	0.0	1500	1607	0	4.59	94	68.7	32.4	30.8	
NOON-1PM	1690	0.0	1500	1690	0	10.30	248	68.6	19.6	30.8	
1-2 PM	1585	0.0	1499	1551	34	15.73+	383	68.7	14.2	30.8	
2-3 PM	1559	0.0	1500	1502	57	16.36+	399	68.8	13.8	30.8	
3-4 PM	1702	0.0	OFF	1702	0	0.21	18	68.6	65.3	65.3	
4-5 PM	1837	0.0	OFF	1837	0	0.00	0	68.4	68.4	68.4	
5-6 PM	1733	0.0	OFF	1733	0	0.00	0	68.6	68.6	68.6	
6-7 PM	1395	0.0	OFF	1395	0	0.00	0	69.0	69.0	69.0	
7-8 PM	1025	0.0	OFF	1025	0	0.00	0	69.5	69.5	69.5	
8-9 PM	755	0.0	OFF	755	0	0.00	0	69.8	69.8	69.8	
9-10 PM	599	0.0	OFF	599	0	0.00	0	70.0	70.0	70.0	
10-11 PM	432	0.0	OFF	432	0	0.00	0	70.2	70.2	70.2	
11PM-MID	244	0.0	OFF	244	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

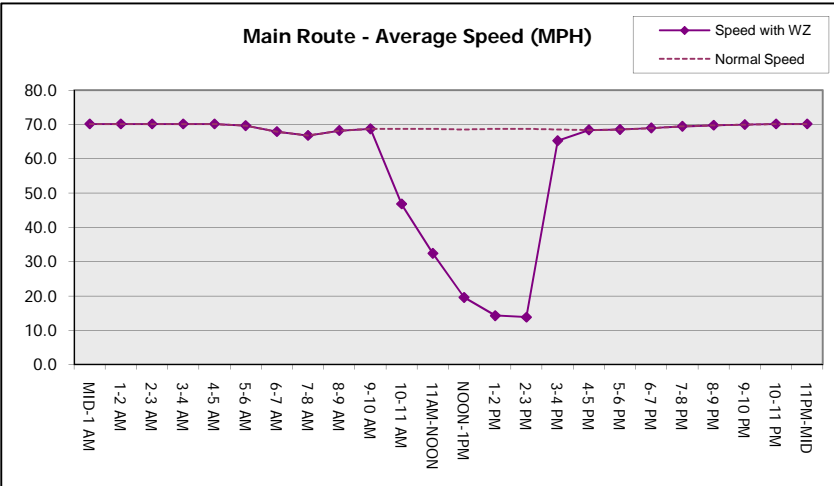
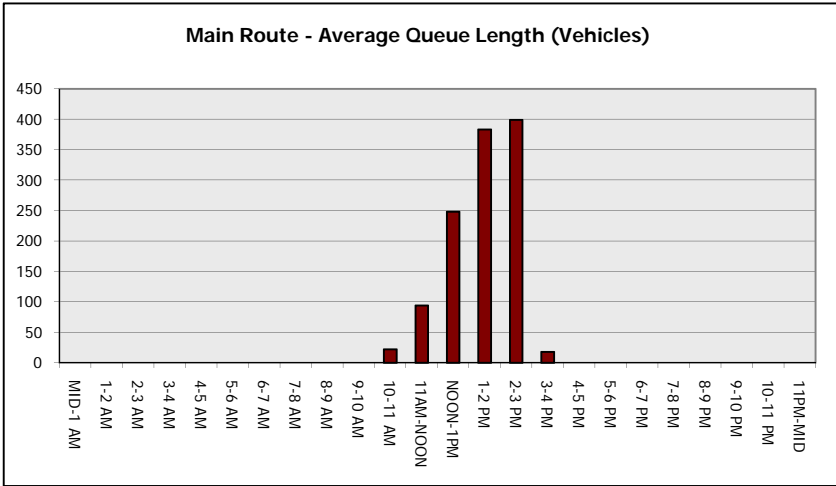
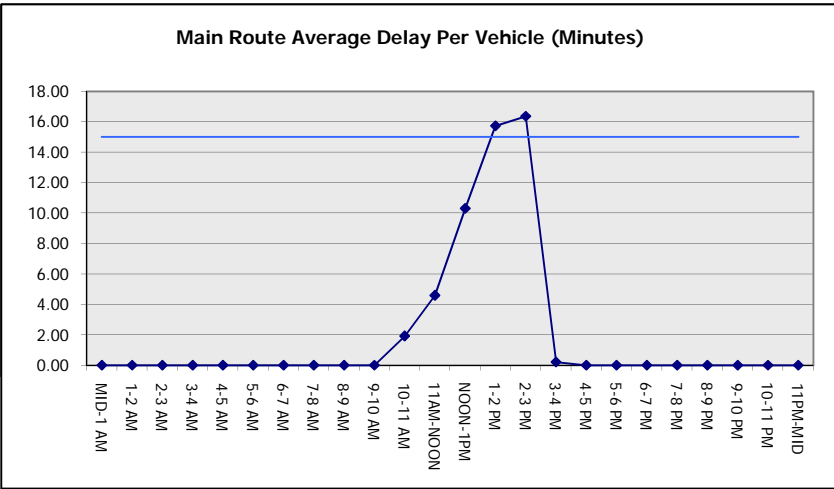
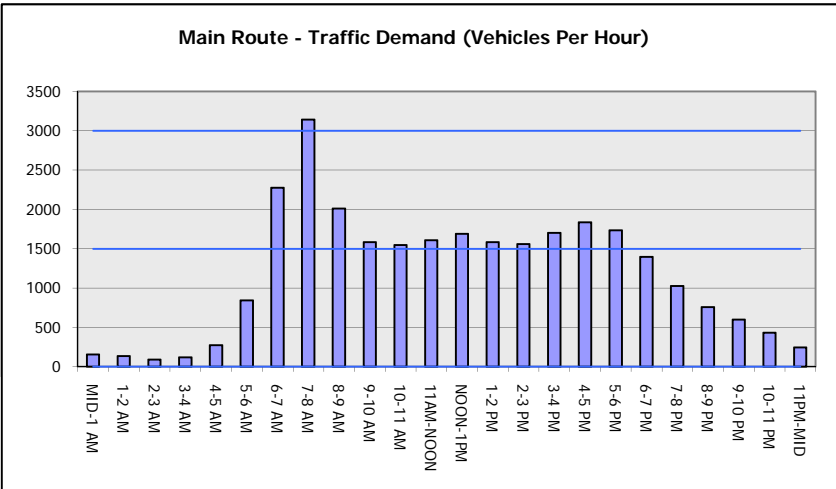
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0212
MAIN ROUTE WITH WORKS	0.0206
'DIVERSION'	0.0002
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$15,980
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

**USH 151: IH 39 TO STH 19 (DANE COUNTY)
OFF-PEAK DAY 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE SEGMENT)**

AUGUST
Analyzed for 2009
Construction Season

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



USH 151: IH 39 TO STH 19 (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
	Analyzed for 2009 Construction Season

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	231	0.0	OFF	231	0	0.00	0	70.2	70.2	70.2
1-2 AM	151	0.0	OFF	151	0	0.00	0	70.2	70.2	70.2
2-3 AM	117	0.0	OFF	117	0	0.00	0	70.2	70.2	70.2
3-4 AM	106	0.0	OFF	106	0	0.00	0	70.2	70.2	70.2
4-5 AM	136	0.0	OFF	136	0	0.00	0	70.2	70.2	70.2
5-6 AM	335	0.0	OFF	335	0	0.00	0	70.2	70.2	70.2
6-7 AM	801	0.0	OFF	801	0	0.00	0	69.7	69.7	69.7
7-8 AM	1157	0.0	OFF	1157	0	0.00	0	69.3	69.3	69.3
8-9 AM	1038	0.0	OFF	1038	0	0.00	0	69.4	69.4	69.4
9-10 AM	1052	0.0	OFF	1052	0	0.00	0	69.4	69.4	69.4
10-11 AM	1197	0.0	1500	1197	0	0.70	0	69.2	59.1	38.6
11AM-NOON	1439	0.0	1499	1439	0	1.02	0	68.9	55.2	32.1
NOON-1PM	1663	0.0	1499	1663	0	3.62	74	68.7	36.5	30.8
1-2 PM	1666	0.0	1499	1666	0	9.97	238	68.7	20.0	30.8
2-3 PM	1915	0.0	1499	1575	339	16.01+	391	68.4	14.0	30.8
3-4 PM	2548	0.0	OFF	2548	0	0.27	23	67.6	63.5	63.5
4-5 PM	3179	0.0	OFF	3179	0	0.00	0	66.8	66.8	66.8
5-6 PM	3175	0.0	OFF	3175	0	0.00	0	66.8	66.8	66.8
6-7 PM	1953	0.0	OFF	1953	0	0.00	0	68.3	68.3	68.3
7-8 PM	1481	0.0	OFF	1481	0	0.00	0	68.9	68.9	68.9
8-9 PM	1356	0.0	OFF	1356	0	0.00	0	69.1	69.1	69.1
9-10 PM	1135	0.0	OFF	1135	0	0.00	0	69.3	69.3	69.3
10-11 PM	658	0.0	OFF	658	0	0.00	0	69.9	69.9	69.9
11PM-MID	448	0.0	OFF	448	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	0.0216
MAIN ROUTE WITH WORKS	0.0209
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,451
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

**USH 151: IH 39 TO STH 19 (DANE COUNTY)
 OFF-PEAK DAY 2 LANE CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE SEGMENT)**

AUGUST
 Analyzed for 2009
 Construction Season

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

