

<b>USH 151: IH 39 TO STH 19 (DANE COUNTY)                  CONTINUOUS (24 HOUR) 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE SEGMENT)</b>	<b>MAY</b>
	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	133	0.0	1500	133	0	0.49	0	70.2	62.5	45.0	
1-2 AM	105	0.0	1500	105	0	0.49	0	70.2	62.6	45.1	
2-3 AM	84	0.0	1500	84	0	0.48	0	70.2	62.7	45.1	
3-4 AM	125	0.0	1500	125	0	0.49	0	70.2	62.6	45.0	
4-5 AM	251	0.0	1500	251	0	0.50	0	70.2	62.3	44.5	
5-6 AM	722	0.0	1500	722	0	0.56	0	69.9	61.4	42.7	
6-7 AM	2025	0.0	1499	2025	0	6.47	196	68.2	26.6	30.8	
7-8 AM	2839	0.0	1500	1451	1389	16.04+	396	67.2	13.9	32.4	
8-9 AM	2015	0.0	1499	1448	567	16.15+	395	68.2	13.9	30.8	
9-10 AM	1564	0.0	1499	1475	90	16.27+	397	68.8	13.8	30.8	
10-11 AM	1554	0.0	1499	1500	54	16.37+	399	68.8	13.8	30.8	
11AM-NOON	1719	0.0	1500	1500	219	16.36+	400	68.6	13.8	30.8	
NOON-1PM	1712	0.0	1500	1500	212	16.36+	400	68.6	13.8	30.8	
1-2 PM	1663	0.0	1500	1500	163	16.36+	400	68.7	13.8	30.8	
2-3 PM	1680	0.0	1500	1500	180	16.36+	400	68.6	13.8	30.8	
3-4 PM	1896	0.0	1500	1500	396	16.35+	400	68.4	13.8	30.8	
4-5 PM	1933	0.0	1500	1500	433	16.34+	400	68.3	13.8	30.8	
5-6 PM	1919	0.0	1500	1500	419	16.35+	400	68.4	13.8	30.8	
6-7 PM	1656	0.0	1500	1500	156	16.37+	400	68.7	13.8	30.8	
7-8 PM	1185	0.0	1499	1185	0	10.36	268	69.2	19.5	32.9	
8-9 PM	803	0.0	1500	803	0	0.72	5	69.7	59.1	42.4	
9-10 PM	616	0.0	1500	616	0	0.55	0	70.0	61.6	43.1	
10-11 PM	481	0.0	1500	481	0	0.53	0	70.1	62.0	43.6	
11PM-MID	316	0.0	1500	316	0	0.51	0	70.2	62.2	44.2	

+ 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

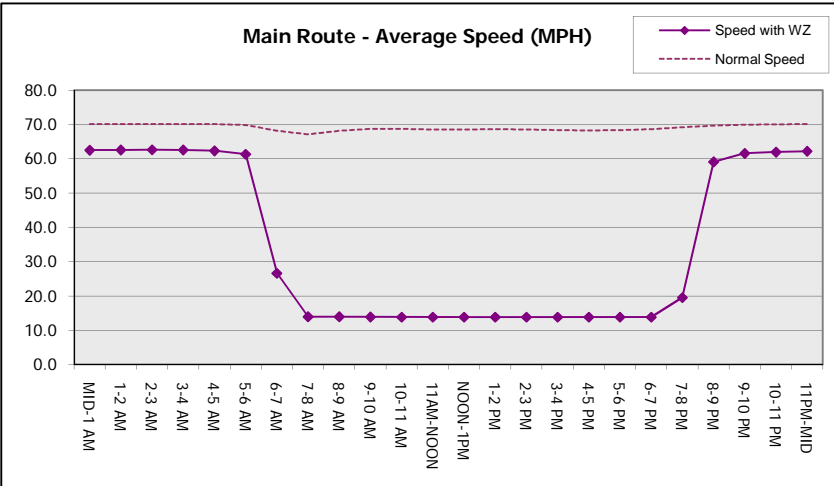
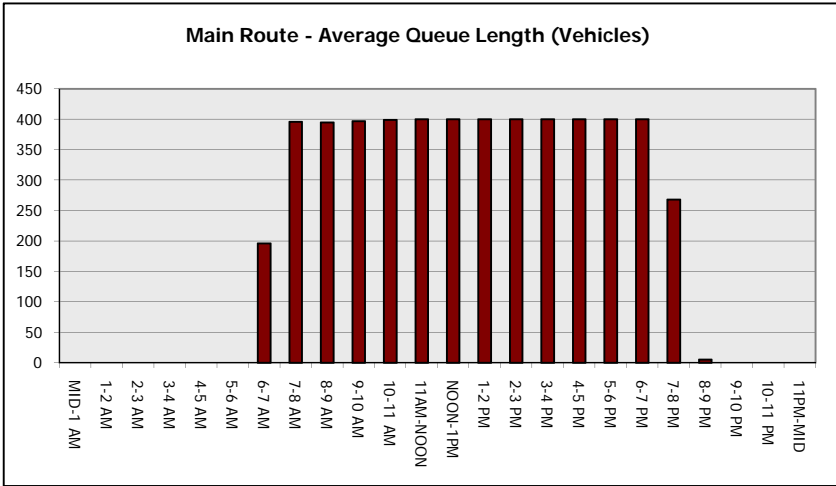
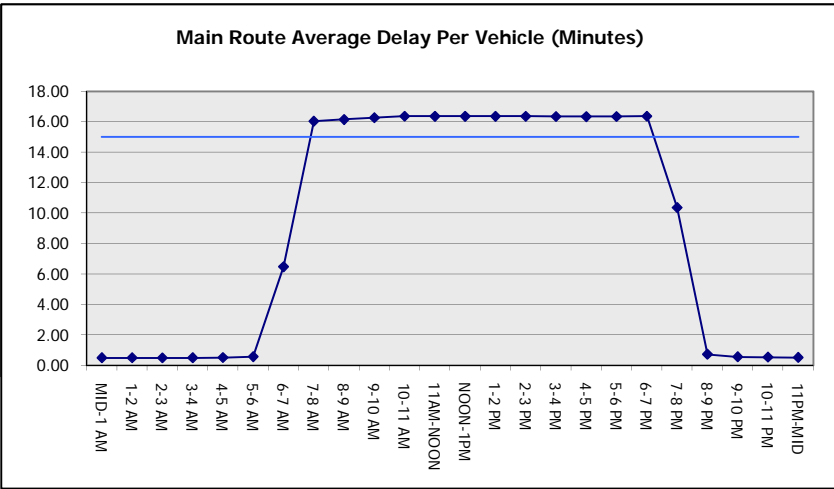
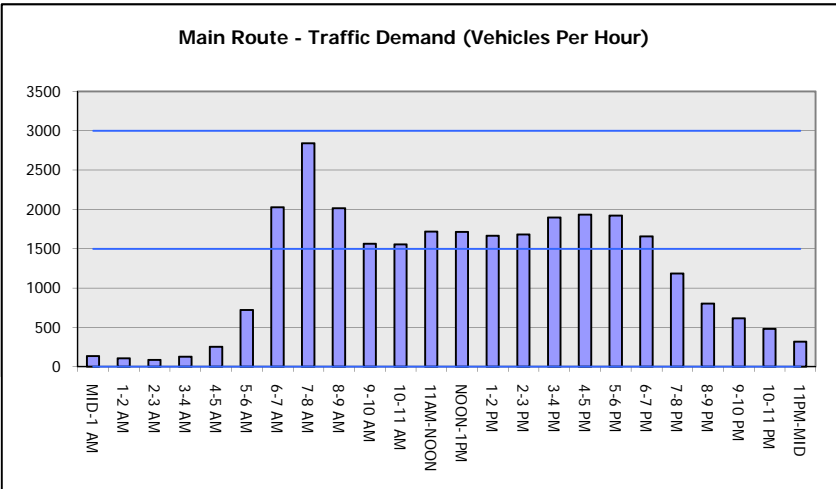
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0217
MAIN ROUTE WITH WORKS	0.0168
'DIVERSION'	0.0074
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$87,690
CONGESTED HOURS PER DAY*	12

\*Delays Exceeding User-Specified Maximum

**USH 151: IH 39 TO STH 19 (DANE COUNTY)  
CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE SEGMENT)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>USH 151: IH 39 TO STH 19 (DANE COUNTY)                  CONTINUOUS (24 HOUR) 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE SEGMENT)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	263	0.0	1500	263	0	0.50	0	70.2	62.3	44.4
1-2 AM	169	0.0	1500	169	0	0.49	0	70.2	62.5	44.8
2-3 AM	148	0.0	1500	148	0	0.49	0	70.2	62.5	44.9
3-4 AM	106	0.0	1500	106	0	0.49	0	70.2	62.6	45.1
4-5 AM	129	0.0	1500	129	0	0.49	0	70.2	62.6	45.0
5-6 AM	280	0.0	1500	280	0	0.51	0	70.2	62.3	44.3
6-7 AM	701	0.0	1500	701	0	0.55	0	69.9	61.4	42.7
7-8 AM	1077	0.0	1500	1077	0	0.60	0	69.4	60.5	41.4
8-9 AM	986	0.0	1500	986	0	0.59	0	69.5	60.7	41.7
9-10 AM	1089	0.0	1500	1089	0	0.60	0	69.4	60.5	41.4
10-11 AM	1307	0.0	1499	1307	0	0.85	0	69.1	57.3	35.4
11AM-NOON	1581	0.0	1499	1581	0	1.85	22	68.7	47.4	30.8
NOON-1PM	1882	0.0	1500	1882	0	9.94+	258	68.4	20.1	30.8
1-2 PM	2000	0.0	1500	1461	539	16.19+	396	68.2	13.8	30.8
2-3 PM	2229	0.0	1500	1500	729	16.32+	400	67.9	13.8	30.8
3-4 PM	2714	0.0	1500	1500	1214	16.29+	400	67.4	13.8	30.8
4-5 PM	2997	0.0	1500	1500	1497	16.26+	400	67.0	13.8	30.8
5-6 PM	2825	0.0	1500	1500	1325	16.28+	400	67.2	13.8	30.8
6-7 PM	1980	0.0	1500	1500	480	16.34+	400	68.2	13.8	30.8
7-8 PM	1496	0.0	1499	1427	69	15.68+	382	68.9	14.2	30.8
8-9 PM	1357	0.0	1499	1357	0	12.00	289	69.1	17.5	30.8
9-10 PM	1193	0.0	1499	1193	0	3.06	84	69.2	39.6	35.9
10-11 PM	810	0.0	1500	810	0	0.57	0	69.7	61.2	42.4
11PM-MID	568	0.0	1500	568	0	0.54	0	70.0	61.7	43.2

+ 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	0.0223
MAIN ROUTE WITH WORKS	0.0164
'DIVERSION'	0.0101

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$69,950
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding User-Specified Maximum

**USH 151: IH 39 TO STH 19 (DANE COUNTY)  
CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE SEGMENT)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

