

USH 151: IH 39 TO STH 19 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
	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	175	0.0	1500	175	0	0.49	0	70.2	62.5	44.8	
1-2 AM	147	0.0	1500	147	0	0.49	0	70.2	62.5	44.9	
2-3 AM	102	0.0	1500	102	0	0.48	0	70.2	62.6	45.1	
3-4 AM	131	0.0	1500	131	0	0.49	0	70.2	62.5	45.0	
4-5 AM	269	0.0	1500	269	0	0.51	0	70.2	62.3	44.4	
5-6 AM	748	0.0	1500	748	0	0.56	0	69.8	61.3	42.6	
6-7 AM	2011	0.0	1499	2011	0	6.27	189	68.2	27.1	30.8	
7-8 AM	2864	0.0	1500	1497	1367	16.14+	399	67.2	13.8	32.9	
8-9 AM	1945	0.0	1499	1381	564	15.88+	390	68.3	14.1	31.7	
9-10 AM	1646	0.0	1500	1500	146	16.37+	400	68.7	13.8	30.8	
10-11 AM	1682	0.0	1500	1500	182	16.36+	400	68.6	13.8	30.8	
11AM-NOON	1817	0.0	1500	1500	317	16.35+	400	68.5	13.8	30.8	
NOON-1PM	1871	0.0	1500	1500	371	16.35+	400	68.4	13.8	30.8	
1-2 PM	1803	0.0	1500	1500	303	16.35+	400	68.5	13.8	30.8	
2-3 PM	1843	0.0	1500	1500	343	16.35+	400	68.4	13.8	30.8	
3-4 PM	1831	0.0	1500	1500	331	16.35+	400	68.4	13.8	30.8	
4-5 PM	1921	0.0	1500	1500	421	16.35+	399	68.4	13.8	30.8	
5-6 PM	1896	0.0	1500	1500	396	16.35+	400	68.4	13.8	30.8	
6-7 PM	1676	0.0	1500	1500	176	16.36+	400	68.6	13.8	30.8	
7-8 PM	1290	0.0	1499	1290	0	12.48	306	69.1	17.0	31.0	
8-9 PM	940	0.0	1500	940	0	1.38	32	69.6	51.9	41.4	
9-10 PM	740	0.0	1500	740	0	0.56	0	69.8	61.3	42.6	
10-11 PM	622	0.0	1500	622	0	0.55	0	70.0	61.6	43.0	
11PM-MID	408	0.0	1500	408	0	0.52	0	70.2	62.1	43.8	

+ 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

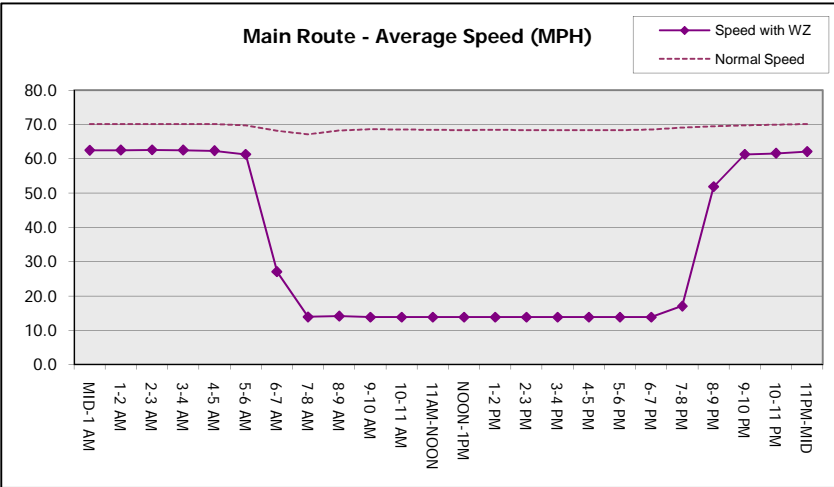
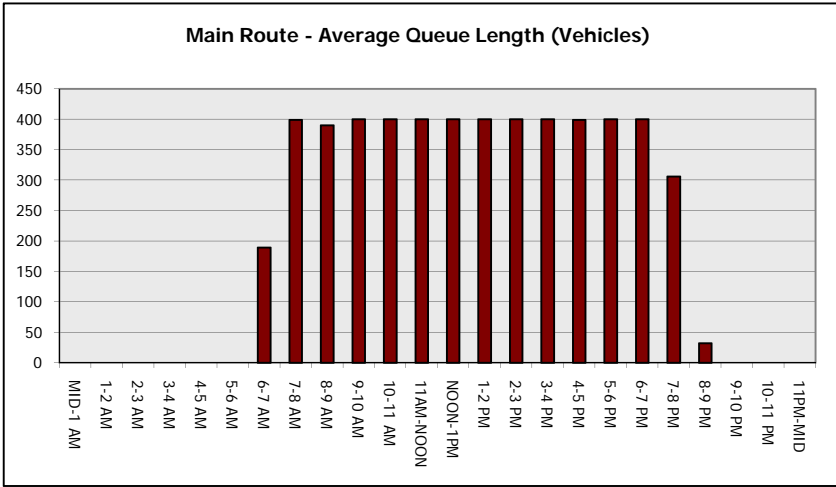
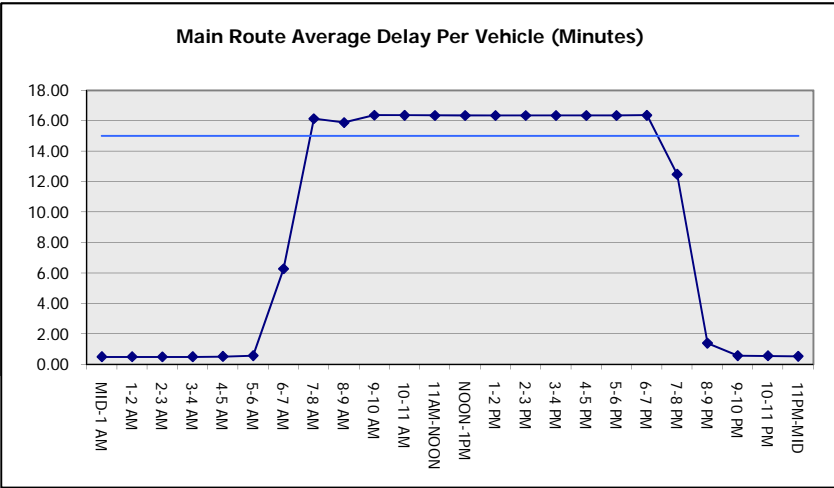
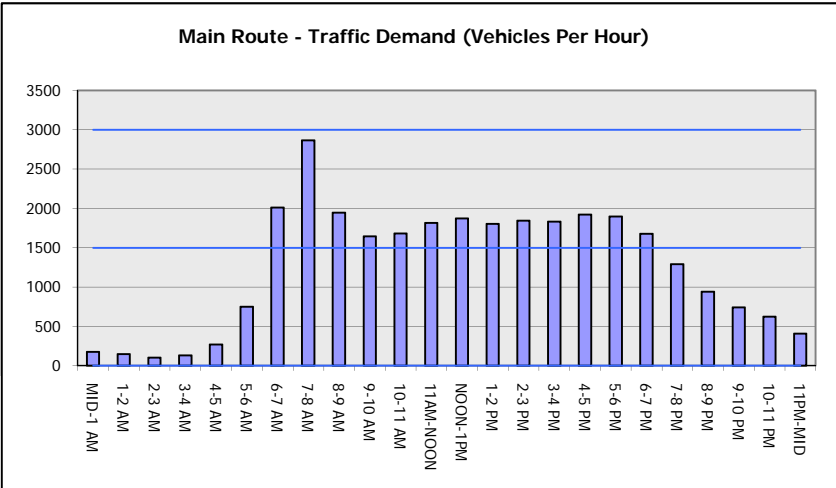
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0227
MAIN ROUTE WITH WORKS	0.0174
'DIVERSION'	0.0085
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$90,921
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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NO DIVERSION ROUTE (MAX QUEUE SEGMENT)**

AUGUST
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 151: IH 39 TO STH 19 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE SEGMENT)	AUGUST
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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	292	0.0	1500	292	0	0.51	0	70.2	62.3	44.3
1-2 AM	194	0.0	1500	194	0	0.50	0	70.2	62.5	44.7
2-3 AM	162	0.0	1500	162	0	0.49	0	70.2	62.5	44.8
3-4 AM	118	0.0	1500	118	0	0.49	0	70.2	62.6	45.0
4-5 AM	162	0.0	1500	162	0	0.49	0	70.2	62.5	44.8
5-6 AM	333	0.0	1500	333	0	0.51	0	70.2	62.2	44.2
6-7 AM	757	0.0	1500	757	0	0.56	0	69.8	61.3	42.5
7-8 AM	1107	0.0	1500	1107	0	0.60	0	69.4	60.4	41.3
8-9 AM	1023	0.0	1500	1023	0	0.59	0	69.5	60.7	41.6
9-10 AM	1127	0.0	1500	1127	0	0.61	0	69.3	60.3	40.9
10-11 AM	1335	0.0	1499	1335	0	0.88	0	69.1	56.8	34.7
11AM-NOON	1709	0.0	1499	1709	0	3.80	84	68.6	35.6	30.8
NOON-1PM	1996	0.0	1500	1723	273	14.57+	360	68.2	15.1	30.8
1-2 PM	2109	0.0	1500	1500	609	16.33+	400	68.1	13.8	30.8
2-3 PM	2294	0.0	1500	1500	794	16.32+	400	67.9	13.8	30.8
3-4 PM	2805	0.0	1500	1500	1305	16.28+	400	67.3	13.8	30.8
4-5 PM	3106	0.0	1500	1500	1606	16.25+	400	66.9	13.8	30.8
5-6 PM	3000	0.0	1500	1500	1500	16.26+	400	67.0	13.8	30.8
6-7 PM	2064	0.0	1500	1500	564	16.33+	400	68.2	13.8	30.8
7-8 PM	1608	0.0	1499	1467	141	16.23+	396	68.7	13.8	30.8
8-9 PM	1436	0.0	1499	1436	0	15.52+	378	68.9	14.3	30.8
9-10 PM	1256	0.0	1499	1256	0	9.37	232	69.2	21.0	31.9
10-11 PM	834	0.0	1500	834	0	0.76	7	69.7	58.6	42.2
11PM-MID	643	0.0	1500	643	0	0.55	0	69.9	61.5	43.0

+ 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	0.0235
MAIN ROUTE WITH WORKS	0.0168
'DIVERSION'	0.0118

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$79,270
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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