

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

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	257	0.0	1500	257	0	0.50	0	70.2	62.3	44.5	
1-2 AM	149	0.0	1500	149	0	0.49	0	70.2	62.5	44.9	
2-3 AM	146	0.0	1500	146	0	0.49	0	70.2	62.5	44.9	
3-4 AM	103	0.0	1500	103	0	0.48	0	70.2	62.6	45.1	
4-5 AM	156	0.0	1500	156	0	0.49	0	70.2	62.5	44.8	
5-6 AM	255	0.0	1500	255	0	0.50	0	70.2	62.3	44.5	
6-7 AM	548	0.0	1500	548	0	0.54	0	70.0	61.8	43.3	
7-8 AM	818	0.0	1500	818	0	0.57	0	69.7	61.1	42.4	
8-9 AM	1145	0.0	1499	1145	0	0.67	0	69.3	59.5	39.5	
9-10 AM	1507	0.0	1499	1507	0	1.43	11	68.9	51.0	31.6	
10-11 AM	1798	0.0	1500	1798	0	7.26	181	68.5	24.8	30.8	
11AM-NOON	1890	0.0	1499	1528	362	16.23+	396	68.4	13.8	30.8	
NOON-1PM	1834	0.0	1500	1500	334	16.35+	400	68.4	13.8	30.8	
1-2 PM	1706	0.0	1500	1510	196	16.32+	398	68.6	13.8	30.8	
2-3 PM	1663	0.0	1500	1503	160	16.35+	399	68.7	13.8	30.8	
3-4 PM	1598	0.0	1500	1508	90	16.33+	399	68.7	13.8	30.8	
4-5 PM	1535	0.0	1500	1509	26	16.29+	397	68.8	13.8	30.8	
5-6 PM	1396	0.0	1499	1396	0	14.52+	353	69.0	15.2	30.8	
6-7 PM	1344	0.0	1500	1344	0	9.63	228	69.1	20.6	30.8	
7-8 PM	1029	0.0	1500	1029	0	1.23	23	69.4	53.3	40.6	
8-9 PM	878	0.0	1500	878	0	0.57	0	69.6	61.0	42.1	
9-10 PM	736	0.0	1500	736	0	0.56	0	69.8	61.4	42.6	
10-11 PM	610	0.0	1500	610	0	0.54	0	70.0	61.6	43.1	
11PM-MID	418	0.0	1500	418	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

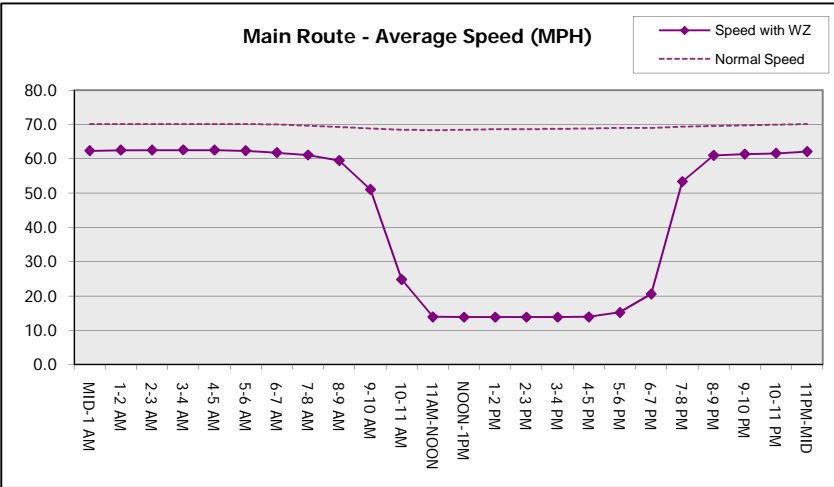
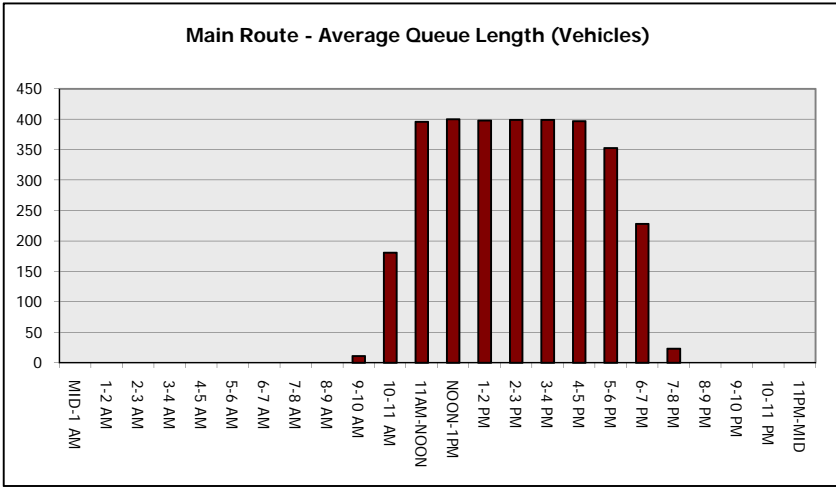
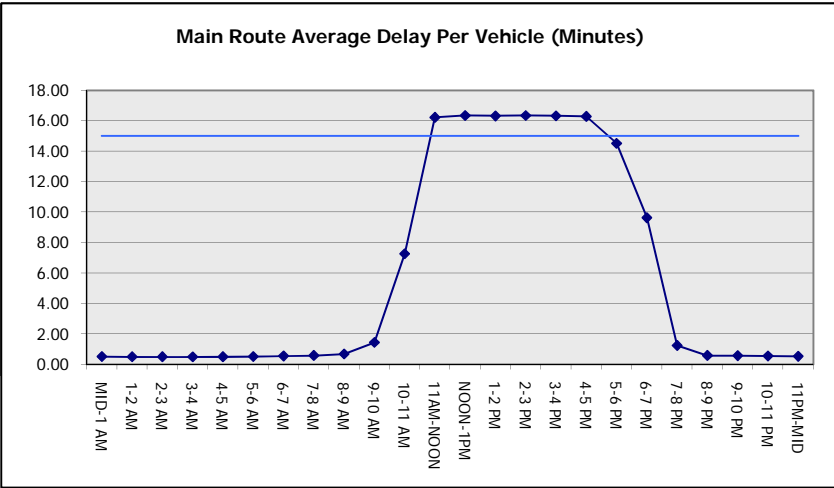
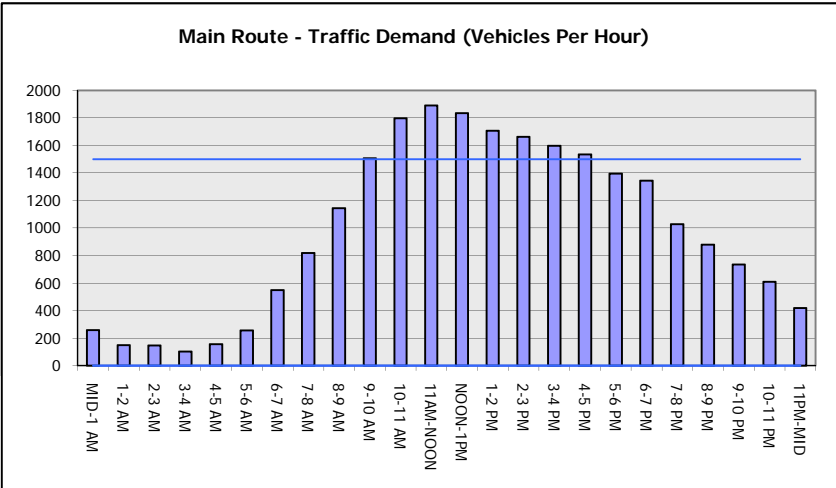
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0176
MAIN ROUTE WITH WORKS	0.0152
'DIVERSION'	0.0020
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,355
CONGESTED HOURS PER DAY*	7

*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)**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

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	374	0.0	1500	374	0	0.52	0	70.2	62.2	44.0	
1-2 AM	232	0.0	1500	232	0	0.50	0	70.2	62.4	44.5	
2-3 AM	203	0.0	1500	203	0	0.50	0	70.2	62.4	44.6	
3-4 AM	139	0.0	1500	139	0	0.49	0	70.2	62.5	44.9	
4-5 AM	103	0.0	1500	103	0	0.48	0	70.2	62.6	45.1	
5-6 AM	163	0.0	1500	163	0	0.49	0	70.2	62.5	44.8	
6-7 AM	314	0.0	1500	314	0	0.51	0	70.2	62.2	44.2	
7-8 AM	577	0.0	1500	577	0	0.54	0	70.0	61.7	43.2	
8-9 AM	815	0.0	1500	815	0	0.57	0	69.7	61.2	42.4	
9-10 AM	1111	0.0	1499	1111	0	0.64	0	69.4	59.9	40.2	
10-11 AM	1442	0.0	1499	1442	0	1.08	2	68.9	54.5	32.2	
11AM-NOON	1706	0.0	1500	1706	0	4.34	97	68.6	33.3	30.8	
NOON-1PM	1895	0.0	1500	1688	207	14.33+	354	68.4	15.3	30.8	
1-2 PM	1861	0.0	1500	1500	361	16.35+	400	68.4	13.8	30.8	
2-3 PM	1881	0.0	1500	1500	381	16.35+	400	68.4	13.8	30.8	
3-4 PM	1887	0.0	1500	1500	387	16.35+	400	68.4	13.8	30.8	
4-5 PM	1842	0.0	1500	1500	342	16.35+	400	68.4	13.8	30.8	
5-6 PM	1695	0.0	1500	1500	195	16.36+	400	68.6	13.8	30.8	
6-7 PM	1396	0.0	1499	1396	0	15.01+	365	69.0	14.8	30.8	
7-8 PM	1191	0.0	1499	1191	0	5.59	150	69.2	29.2	33.6	
8-9 PM	1171	0.0	1500	1171	0	0.67	0	69.3	59.5	39.4	
9-10 PM	1017	0.0	1500	1017	0	0.59	0	69.5	60.7	41.6	
10-11 PM	740	0.0	1500	740	0	0.56	0	69.8	61.3	42.6	
11PM-MID	590	0.0	1500	590	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	0.0182
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0032

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,794
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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