

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

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	1500	320	0	0.51	0	70.2	62.2	44.2	
1-2 AM	200	0.0	1500	200	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	105	0.0	1500	105	0	0.49	0	70.2	62.6	45.1	
4-5 AM	105	0.0	1500	105	0	0.49	0	70.2	62.6	45.1	
5-6 AM	147	0.0	1500	147	0	0.49	0	70.2	62.5	44.9	
6-7 AM	291	0.0	1500	291	0	0.51	0	70.2	62.3	44.3	
7-8 AM	421	0.0	1500	421	0	0.52	0	70.2	62.1	43.8	
8-9 AM	663	0.0	1500	663	0	0.55	0	69.9	61.5	42.9	
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	1500	1106	0	1.52	32	69.4	50.5	39.1	
8-9 PM	930	0.0	1500	930	0	0.58	0	69.6	60.9	41.9	
9-10 PM	760	0.0	1500	760	0	0.56	0	69.8	61.3	42.5	
10-11 PM	555	0.0	1500	555	0	0.54	0	70.0	61.8	43.3	
11PM-MID	248	0.0	1500	248	0	0.50	0	70.2	62.3	44.5	

+ 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

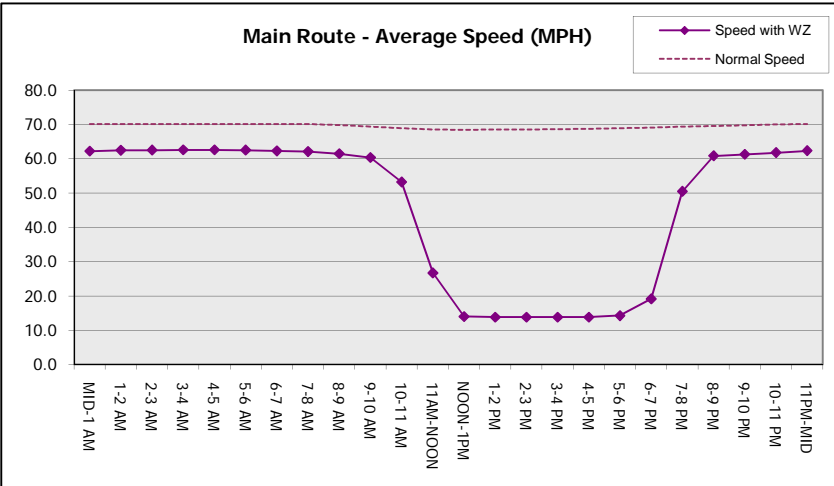
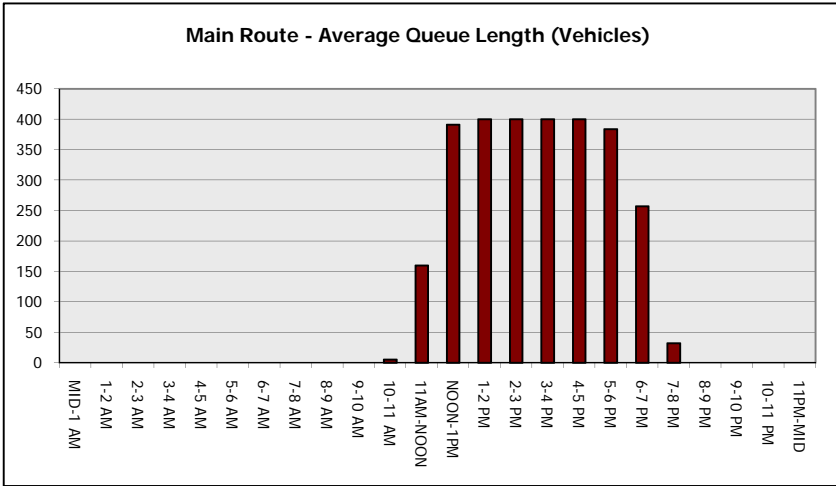
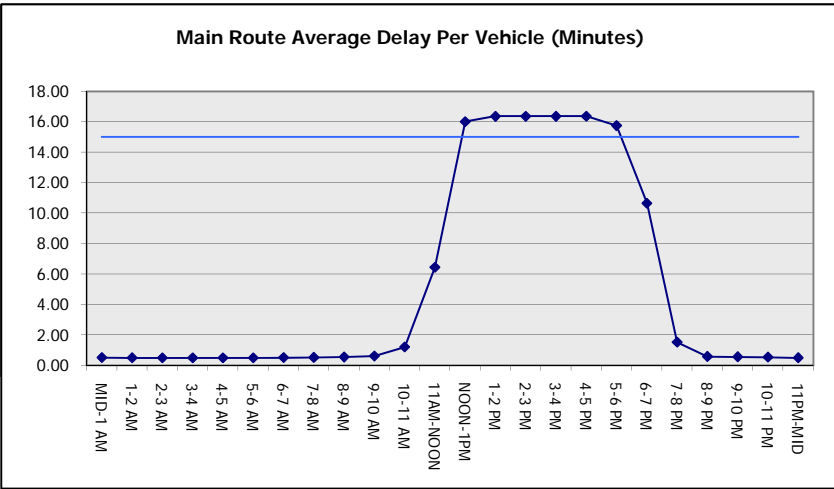
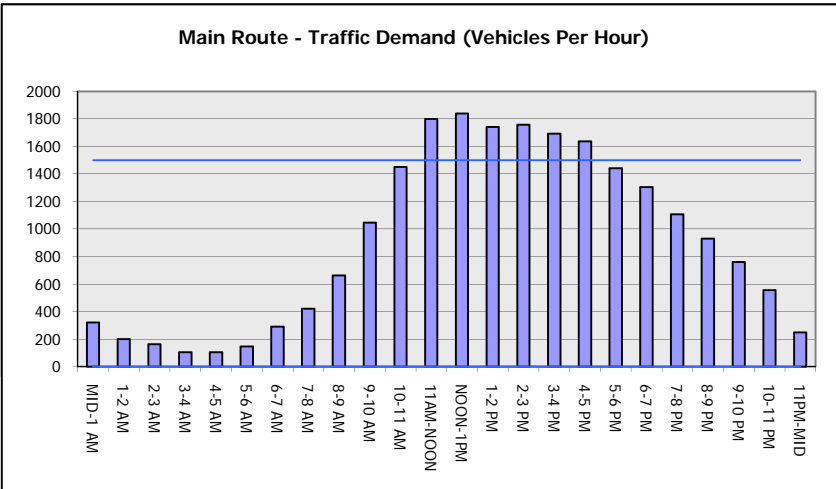
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0162
MAIN ROUTE WITH WORKS	0.0141
'DIVERSION'	0.0019
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,168
CONGESTED HOURS PER DAY*	6

*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)**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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

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	1500	379	0	0.52	0	70.2	62.2	44.0
1-2 AM	239	0.0	1500	239	0	0.50	0	70.2	62.3	44.5
2-3 AM	213	0.0	1500	213	0	0.50	0	70.2	62.4	44.6
3-4 AM	130	0.0	1500	130	0	0.49	0	70.2	62.5	45.0
4-5 AM	81	0.0	1500	81	0	0.48	0	70.2	62.7	45.1
5-6 AM	96	0.0	1500	96	0	0.48	0	70.2	62.6	45.1
6-7 AM	205	0.0	1500	205	0	0.50	0	70.2	62.4	44.6
7-8 AM	347	0.0	1500	347	0	0.51	0	70.2	62.2	44.1
8-9 AM	466	0.0	1500	466	0	0.53	0	70.2	62.0	43.7
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	1499	1188	0	8.24	214	69.2	22.9	32.9
8-9 PM	995	0.0	1500	995	0	0.65	2	69.5	59.9	41.7
9-10 PM	733	0.0	1500	733	0	0.56	0	69.8	61.4	42.7
10-11 PM	495	0.0	1500	495	0	0.53	0	70.1	61.9	43.5
11PM-MID	332	0.0	1500	332	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	0.0155
MAIN ROUTE WITH WORKS	0.0135
'DIVERSION'	0.0015

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$44,775
CONGESTED HOURS PER DAY*	5

*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)**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

