

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY WESTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	679	0.0	74	0.0	1500	679	0	74	0.41	0	60.2	47.2	42.8	29.6	29.6
1-2 AM	421	0.0	56	0.0	1500	421	0	56	0.38	0	60.2	48.0	43.8	29.6	29.6
2-3 AM	398	0.0	51	0.0	1500	398	0	51	0.38	0	60.2	48.1	43.9	29.6	29.6
3-4 AM	309	0.0	26	0.0	1500	309	0	26	0.37	0	60.2	48.4	44.3	29.7	29.7
4-5 AM	423	0.0	15	0.0	1500	423	0	15	0.38	0	60.2	48.0	43.8	29.7	29.7
5-6 AM	603	0.0	44	0.0	1500	603	0	44	0.40	0	60.2	47.4	43.1	29.6	29.6
6-7 AM	1080	0.0	96	0.0	1499	1080	0	96	0.51	0	60.2	44.9	40.1	29.5	29.5
7-8 AM	1571	0.0	152	0.0	1499	1537	33	186	1.46	19	60.2	30.5	31.7	29.2	29.1
8-9 AM	2292	0.0	233	0.0	1499	1476	817	1049	2.87	50	60.2	20.6	31.3	29.0	26.1
9-10 AM	2813	0.0	383	0.0	1499	1510	1303	1686+	3.28	61	60.2	18.8	30.8	28.4	23.9
10-11 AM	3255	0.0	440	0.0	1500	1509	1745	2186+	3.66	70	60.2	17.5	30.8	28.3	22.1
11A-NOON	3470	0.0	514	0.0	1500	1506	1964	2479+	3.91	77	60.2	16.6	30.8	28.0	21.1
NOON-1PM	3610	0.0	500	0.0	1500	1502	2108	2608+	4.03	80	60.2	16.3	30.8	28.1	20.6
1-2 PM	3449	0.0	468	0.0	1500	1495	1955	2423+	3.86	76	60.2	16.8	30.8	28.1	21.3
2-3 PM	3358	0.0	475	0.0	1500	1498	1860	2335+	3.79	74	60.2	17.0	30.8	28.1	21.6
3-4 PM	3299	0.0	405	0.0	1500	1497	1802	2207+	3.68	71	60.2	17.4	30.8	28.4	22.0
4-5 PM	3262	0.0	394	0.0	1500	1498	1764	2158+	3.64	70	60.2	17.5	30.8	28.4	22.2
5-6 PM	2936	0.0	360	0.0	1499	1492	1444	1804+	3.37	63	60.2	18.5	30.8	28.6	23.5
6-7 PM	2567	0.0	346	0.0	1500	1493	1075	1420+	3.10	56	60.2	19.6	30.8	28.6	24.8
7-8 PM	2123	0.0	282	0.0	1500	1493	630	912	2.80	48	60.2	20.9	30.8	28.8	26.6
8-9 PM	1889	0.0	216	0.0	1500	1496	393	609	2.63	43	60.2	21.8	30.8	29.1	27.7
9-10 PM	1629	0.0	179	0.0	1500	1497	133	312	2.48	39	60.2	22.6	30.8	29.2	28.7
10-11 PM	1485	0.0	134	0.0	1500	1453	32	166	1.87	27	60.2	26.7	31.4	29.3	29.2
11PM-MID	1007	0.0	84	0.0	1500	1007	0	84	0.45	0	60.2	46.2	41.7	29.5	29.5

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0114
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.0664

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$43,633
CONGESTED HOURS PER DAY*	0

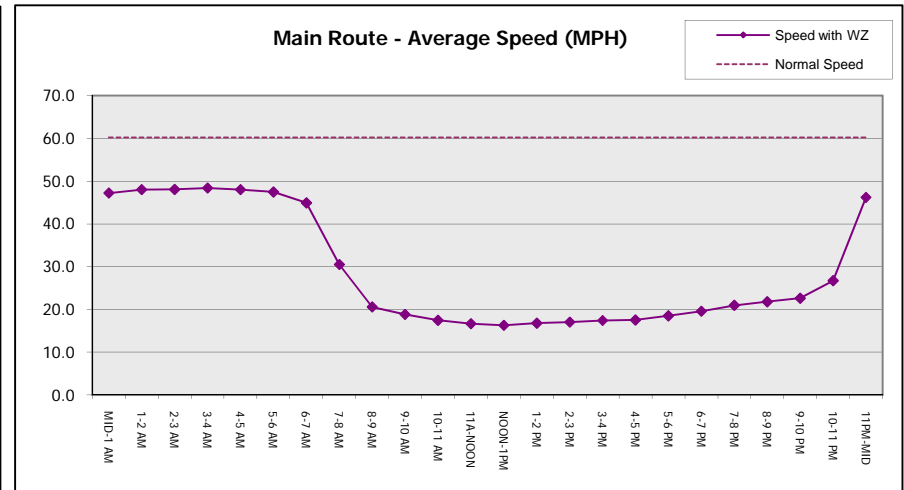
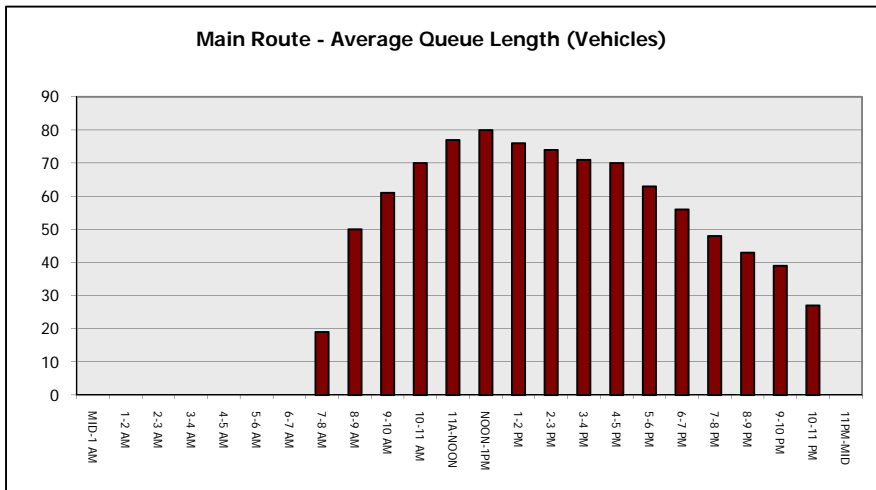
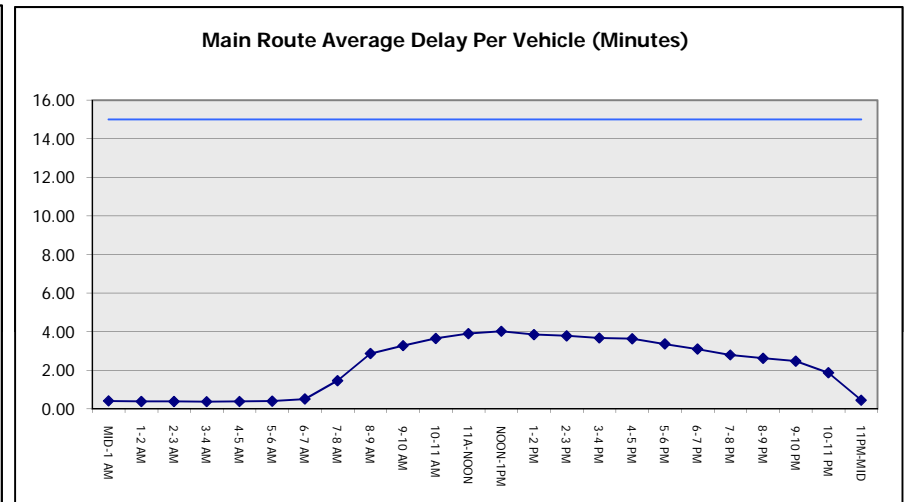
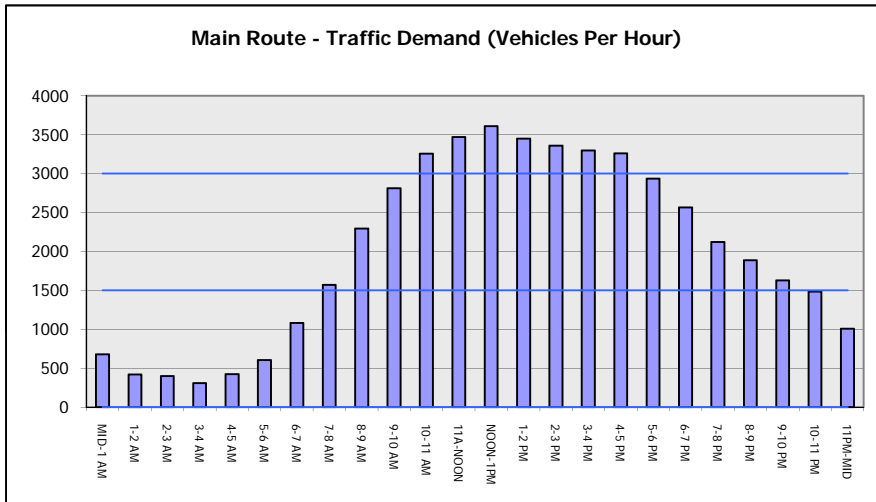
*Delays Exceeding 15 Minutes

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: MONONA DR - CTH BW

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN	
MID-1 AM	668	0.0	55	0.0	1500	668	0	55	0.41	0	60.2	47.2	42.8	29.6	29.6	
1-2 AM	410	0.0	32	0.0	1500	410	0	32	0.38	0	60.2	48.0	43.8	29.7	29.7	
2-3 AM	388	0.0	38	0.0	1500	388	0	38	0.38	0	60.2	48.1	44.0	29.7	29.7	
3-4 AM	244	0.0	16	0.0	1500	244	0	16	0.36	0	60.2	48.6	44.5	29.7	29.7	
4-5 AM	260	0.0	13	0.0	1500	260	0	13	0.36	0	60.2	48.5	44.5	29.7	29.7	
5-6 AM	526	0.0	24	0.0	1500	526	0	24	0.39	0	60.2	47.7	43.4	29.7	29.7	
6-7 AM	997	0.0	62	0.0	1499	997	0	62	0.47	0	60.2	45.8	41.1	29.6	29.6	
7-8 AM	1779	0.0	100	0.0	1499	1540	239	339	2.27	35	60.2	23.9	30.9	29.4	28.6	
8-9 AM	2383	0.0	197	0.0	1500	1513	870	1066	2.88	50	60.2	20.5	30.8	29.1	26.1	
9-10 AM	2834	0.0	303	0.0	1500	1509	1325	1627+	3.24	59	60.2	19.0	30.8	28.8	24.1	
10-11 AM	3246	0.0	371	0.0	1500	1509	1736	2108+	3.60	69	60.2	17.6	30.8	28.5	22.4	
11A-NOON	3460	0.0	466	0.0	1500	1506	1954	2420+	3.86	76	60.2	16.8	30.8	28.2	21.3	
NOON-1PM	3610	0.0	468	0.0	1500	1502	2108	2576+	4.00	79	60.2	16.3	30.8	28.1	20.7	
1-2 PM	3568	0.0	401	0.0	1500	1497	2071	2472+	3.91	77	60.2	16.6	30.8	28.4	21.1	
2-3 PM	3506	0.0	398	0.0	1500	1499	2007	2405+	3.85	75	60.2	16.8	30.8	28.4	21.4	
3-4 PM	3591	0.0	394	0.0	1500	1501	2090	2484+	3.92	77	60.2	16.6	30.8	28.4	21.1	
4-5 PM	3373	0.0	355	0.0	1500	1493	1881	2236+	3.70	72	60.2	17.3	30.8	28.6	21.9	
5-6 PM	2964	0.0	283	0.0	1499	1490	1474	1757+	3.33	62	60.2	18.6	30.8	28.8	23.7	
6-7 PM	2553	0.0	261	0.0	1500	1493	1060	1321+	3.04	54	60.2	19.8	30.8	28.9	25.2	
7-8 PM	2201	0.0	256	0.0	1500	1495	706	962	2.82	48	60.2	20.8	30.8	28.9	26.5	
8-9 PM	1912	0.0	175	0.0	1500	1496	416	591	2.62	43	60.2	21.9	30.8	29.2	27.8	
9-10 PM	1829	0.0	149	0.0	1500	1498	331	480	2.56	42	60.2	22.2	30.8	29.3	28.1	
10-11 PM	1420	0.0	111	0.0	1499	1413	6	117	1.56	22	60.2	29.4	32.5	29.4	29.4	
11PM-MID	1158	0.0	74	0.0	1500	1158	0	74	0.52	0	60.2	44.6	39.9	29.6	29.6	

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0116
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0672

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$45,271
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: MONONA DR - CTH BW**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

