

<b>USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: MONONA DR - CTH BW</b>	<b>OCTOBER</b>
	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	1021	0.0	63	0.0	1500	1021	0	63	0.45	0	60.2	46.1	41.6	29.6	29.6
1-2 AM	590	0.0	50	0.0	1500	590	0	50	0.40	0	60.2	47.4	43.2	29.6	29.6
2-3 AM	404	0.0	37	0.0	1500	404	0	37	0.38	0	60.2	48.1	43.9	29.7	29.7
3-4 AM	340	0.0	25	0.0	1500	340	0	25	0.37	0	60.2	48.3	44.2	29.7	29.7
4-5 AM	276	0.0	20	0.0	1500	276	0	20	0.36	0	60.2	48.4	44.4	29.7	29.7
5-6 AM	294	0.0	32	0.0	1500	294	0	32	0.36	0	60.2	48.4	44.3	29.7	29.7
6-7 AM	490	0.0	148	0.0	1500	490	0	148	0.39	0	60.2	47.8	43.5	29.3	29.3
7-8 AM	1014	0.0	165	0.0	1499	1014	0	165	0.49	0	60.2	45.3	40.6	29.2	29.2
8-9 AM	1838	0.0	245	0.0	1499	1546	292	537	2.32	36	60.2	23.5	30.8	28.9	27.9
9-10 AM	2887	0.0	500	0.0	1500	1524	1363	1863+	3.41	64	60.2	18.3	30.8	28.1	23.3
10-11 AM	3723	0.0	484	0.0	1500	1515	2208	2692+	4.11	82	60.2	16.0	30.8	28.1	20.4
11A-NOON	3605	0.0	474	0.0	1500	1494	2110	2585+	4.01	80	60.2	16.3	30.8	28.1	20.7
NOON-1PM	3667	0.0	490	0.0	1500	1503	2164	2654+	4.08	81	60.2	16.1	30.8	28.1	20.5
1-2 PM	3831	0.0	463	0.0	1500	1503	2328	2791+	4.21	85	60.2	15.8	30.8	28.2	20.0
2-3 PM	3749	0.0	470	0.0	1500	1498	2251	2721+	4.14	83	60.2	16.0	30.8	28.1	20.2
3-4 PM	3937	0.0	433	0.0	1500	1505	2432	2865+	4.29	87	60.2	15.5	30.8	28.3	19.7
4-5 PM	4078	0.0	370	0.0	1500	1502	2576	2946+	4.37	89	60.2	15.3	30.8	28.5	19.4
5-6 PM	4041	0.0	381	0.0	1500	1497	2544	2925+	4.35	89	60.2	15.4	30.8	28.4	19.5
6-7 PM	3391	0.0	348	0.0	1499	1481	1910	2258+	3.72	72	60.2	17.2	30.9	28.6	21.9
7-8 PM	2726	0.0	270	0.0	1500	1486	1241	1510+	3.16	58	60.2	19.3	30.9	28.9	24.5
8-9 PM	1986	0.0	206	0.0	1500	1489	496	702	2.68	45	60.2	21.5	30.9	29.1	27.3
9-10 PM	1638	0.0	175	0.0	1500	1496	141	316	2.48	39	60.2	22.6	30.8	29.2	28.7
10-11 PM	1480	0.0	109	0.0	1500	1473	7	116	2.12	31	60.2	24.9	30.9	29.4	29.4
11PM-MID	1379	0.0	92	0.0	1500	1379	0	92	0.84	1	60.2	38.4	33.5	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	0.0125
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0800

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$54,149
CONGESTED HOURS PER DAY*	0

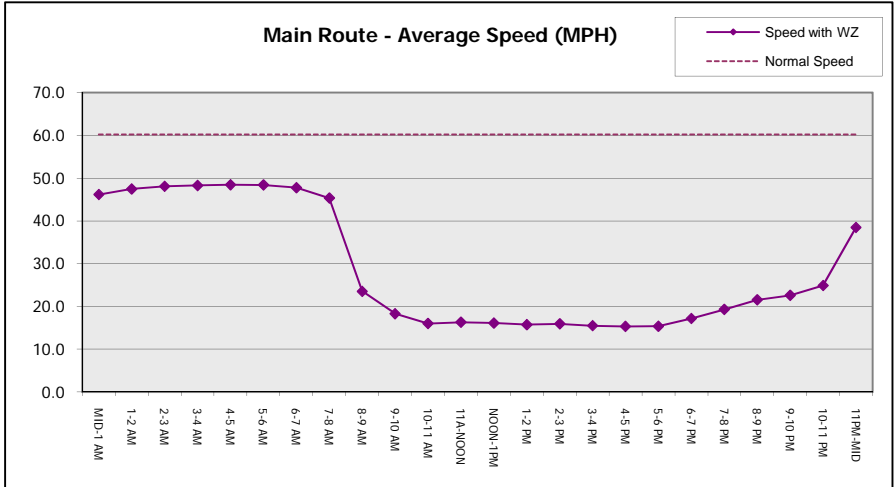
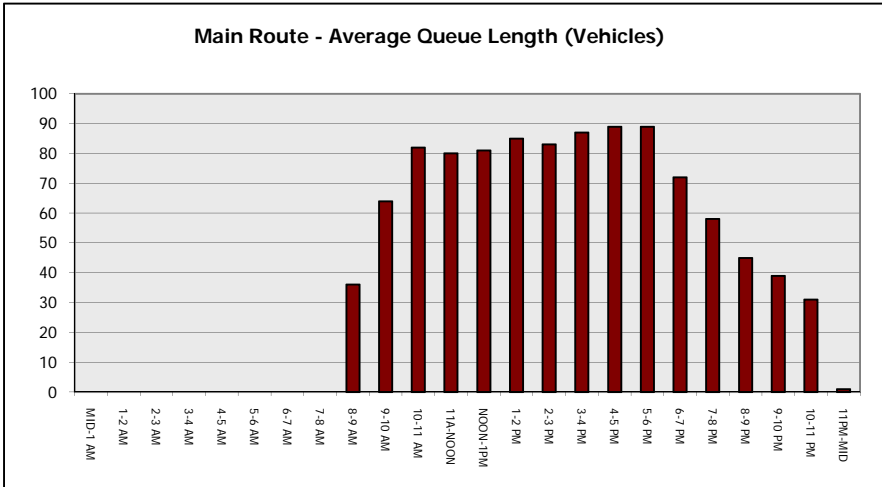
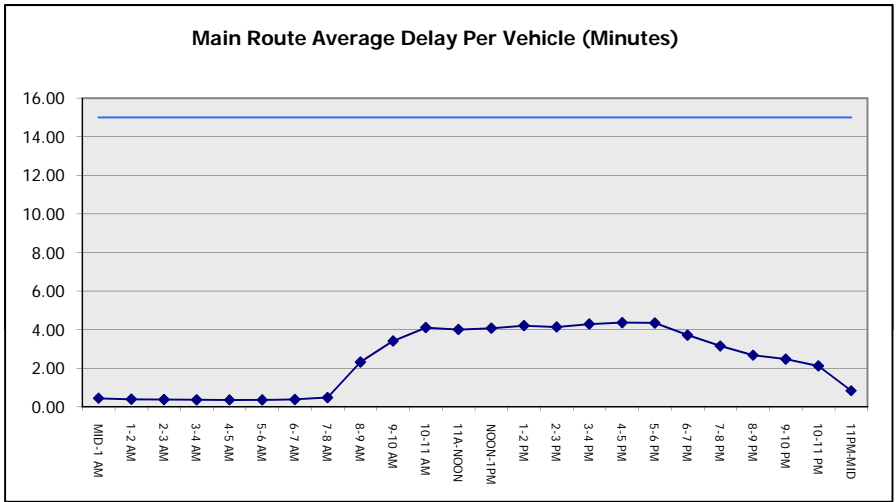
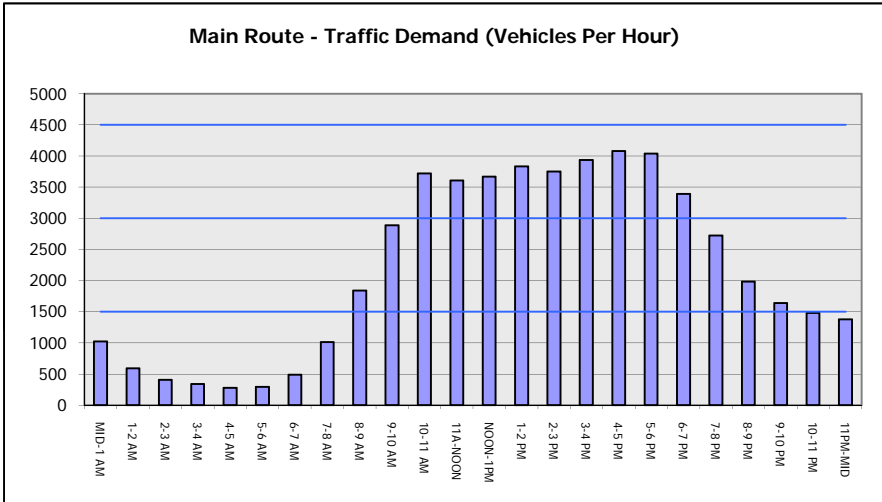
\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY WESTBOUND DIRECTION**



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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	1023	0.0	43	0.0	1500	1021	2	45	0.66	4	60.2	41.7	39.2	29.7	29.6
1-2 AM	665	0.0	46	0.0	1500	665	0	46	0.41	0	60.2	47.3	42.9	29.6	29.6
2-3 AM	404	0.0	40	0.0	1500	404	0	40	0.38	0	60.2	48.1	43.9	29.7	29.7
3-4 AM	370	0.0	20	0.0	1500	370	0	20	0.37	0	60.2	48.1	44.0	29.7	29.7
4-5 AM	284	0.0	21	0.0	1500	284	0	21	0.36	0	60.2	48.4	44.3	29.7	29.7
5-6 AM	231	0.0	26	0.0	1500	231	0	26	0.36	0	60.2	48.6	44.6	29.7	29.7
6-7 AM	446	0.0	60	0.0	1500	446	0	60	0.38	0	60.2	47.9	43.7	29.6	29.6
7-8 AM	868	0.0	96	0.0	1500	868	0	96	0.44	0	60.2	46.6	42.2	29.5	29.5
8-9 AM	1555	0.0	169	0.0	1499	1523	32	201	1.43	19	60.2	30.8	32.0	29.2	29.1
9-10 AM	2195	0.0	265	0.0	1499	1474	721	986	2.84	49	60.2	20.7	31.3	28.9	26.3
10-11 AM	2616	0.0	356	0.0	1499	1508	1108	1464+	3.13	57	60.2	19.4	30.8	28.6	24.7
11A-NOON	3179	0.0	434	0.0	1500	1512	1666	2100+	3.59	69	60.2	17.6	30.8	28.3	22.4
NOON-1PM	3444	0.0	541	0.0	1500	1508	1937	2478+	3.91	77	60.2	16.6	30.8	27.9	21.1
1-2 PM	3531	0.0	756	0.0	1500	1505	2025	2782+	4.20	85	60.2	15.8	30.8	27.1	20.1
2-3 PM	3503	0.0	413	0.0	1499	1492	2012	2424+	3.87	76	60.2	16.8	30.9	28.4	21.3
3-4 PM	3857	0.0	705	0.0	1500	1518	2339	3044+	4.48	92	60.2	15.0	30.8	27.3	19.1
4-5 PM	4103	0.0	402	0.0	1500	1495	2608	3010+	4.44	91	60.2	15.2	30.8	28.4	19.3
5-6 PM	3854	0.0	333	0.0	1500	1490	2365	2698+	4.12	83	60.2	16.0	30.8	28.6	20.3
6-7 PM	3315	0.0	256	0.0	1499	1486	1829	2085+	3.58	69	60.2	17.7	30.9	28.9	22.5
7-8 PM	2873	0.0	234	0.0	1500	1491	1383	1616+	3.24	59	60.2	19.0	30.8	29.0	24.2
8-9 PM	2275	0.0	159	0.0	1499	1490	785	944	2.81	48	60.2	20.9	30.9	29.2	26.5
9-10 PM	1884	0.0	125	0.0	1500	1496	388	513	2.58	42	60.2	22.0	30.8	29.4	28.0
10-11 PM	1973	0.0	91	0.0	1500	1503	471	561	2.61	43	60.2	21.9	30.8	29.5	27.8
11PM-MID	2621	0.0	69	0.0	1500	1505	1115	1184	2.96	52	60.2	20.2	30.8	29.6	25.6

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(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	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(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	0.0122
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0756

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$50,848
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**

**OCTOBER**  
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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

