

<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>AUGUST</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	767	0.0	266	0.0	1500	767	0	266	0.42	0	60.2	46.9	42.5	28.9	28.9
1-2 AM	476	0.0	274	0.0	1500	476	0	274	0.39	0	60.2	47.8	43.6	28.9	28.9
2-3 AM	451	0.0	224	0.0	1500	451	0	224	0.38	0	60.2	47.9	43.7	29.0	29.0
3-4 AM	329	0.0	240	0.0	1500	329	0	240	0.37	0	60.2	48.3	44.2	28.9	28.9
4-5 AM	294	0.0	208	0.0	1500	294	0	208	0.36	0	60.2	48.4	44.3	29.1	29.1
5-6 AM	593	0.0	220	0.0	1500	593	0	220	0.40	0	60.2	47.4	43.2	29.1	29.1
6-7 AM	1152	0.0	259	0.0	1499	1152	0	259	0.57	0	60.2	43.7	38.7	28.9	28.9
7-8 AM	1714	0.0	246	0.0	1499	1544	170	416	2.09	31	60.2	25.0	30.8	28.9	28.3
8-9 AM	2258	0.0	245	0.0	1500	1508	750	995	2.84	49	60.2	20.7	30.8	28.9	26.3
9-10 AM	2850	0.0	284	0.0	1500	1511	1340	1624+	3.24	59	60.2	19.0	30.8	28.8	24.1
10-11 AM	3268	0.0	290	0.0	1500	1508	1761	2051+	3.55	68	60.2	17.8	30.8	28.8	22.6
11A-NOON	3575	0.0	288	0.0	1500	1505	2070	2358+	3.81	74	60.2	17.0	30.8	28.8	21.5
NOON-1PM	3480	0.0	294	0.0	1500	1497	1983	2277+	3.74	72	60.2	17.2	30.8	28.8	21.8
1-2 PM	3501	0.0	275	0.0	1500	1500	2001	2276+	3.74	72	60.2	17.2	30.8	28.8	21.8
2-3 PM	3508	0.0	218	0.0	1500	1498	2010	2228+	3.70	71	60.2	17.3	30.8	29.1	22.0
3-4 PM	3245	0.0	220	0.0	1500	1494	1750	1970+	3.49	66	60.2	18.0	30.8	29.1	22.9
4-5 PM	3167	0.0	199	0.0	1500	1498	1670	1868+	3.42	64	60.2	18.3	30.8	29.1	23.2
5-6 PM	2813	0.0	184	0.0	1499	1493	1320	1505+	3.16	57	60.2	19.3	30.8	29.2	24.5
6-7 PM	2559	0.0	165	0.0	1500	1495	1064	1229+	2.98	53	60.2	20.1	30.8	29.2	25.5
7-8 PM	2089	0.0	145	0.0	1499	1493	595	740	2.70	45	60.2	21.4	30.8	29.3	27.2
8-9 PM	1916	0.0	137	0.0	1500	1498	418	554	2.60	42	60.2	21.9	30.8	29.3	27.9
9-10 PM	1782	0.0	140	0.0	1500	1498	284	424	2.54	41	60.2	22.3	30.8	29.3	28.3
10-11 PM	1529	0.0	146	0.0	1499	1470	58	204	2.15	32	60.2	24.7	31.0	29.3	29.1
11PM-MID	1107	0.0	175	0.0	1500	1106	0	175	0.52	0	60.2	44.6	40.0	29.2	29.2

+ 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	0.0115
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.0653

PIA: Personal Injury Accidents

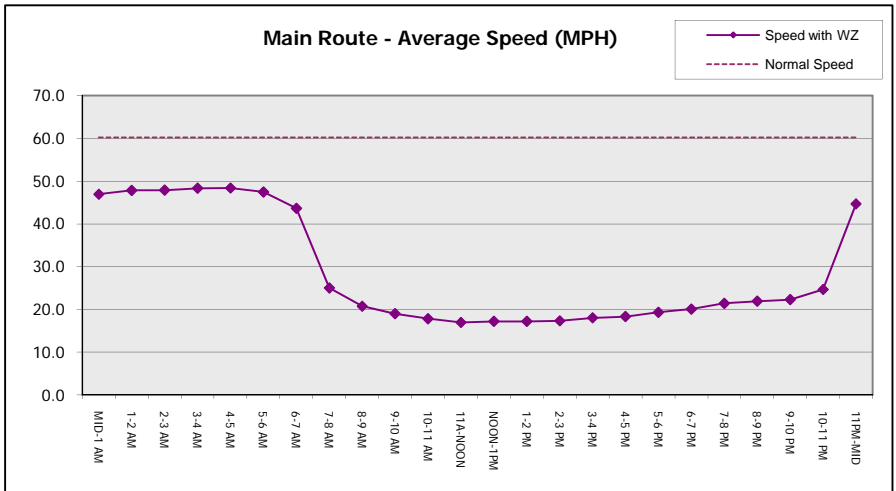
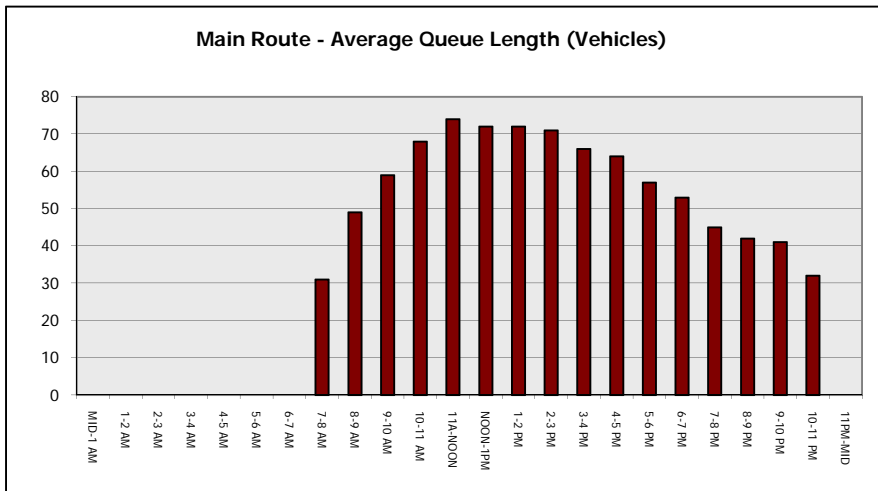
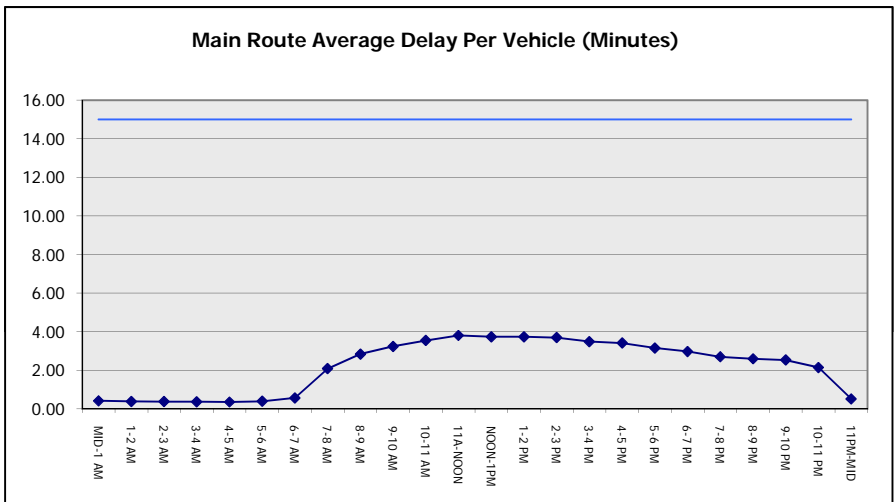
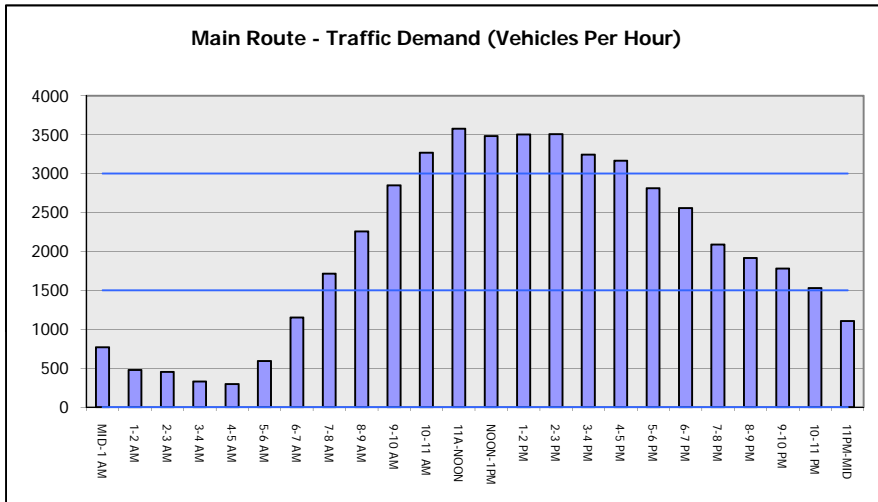
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$42,232
CONGESTED HOURS PER DAY*	0

\*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**

**AUGUST**  
 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>AUGUST</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						
	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	705	0.0	221	0.0	1500	705	0	221	0.42	0	60.2	47.1	42.7	29.0	29.0
1-2 AM	441	0.0	232	0.0	1500	441	0	232	0.38	0	60.2	47.9	43.7	29.0	29.0
2-3 AM	395	0.0	208	0.0	1500	395	0	208	0.38	0	60.2	48.1	43.9	29.1	29.1
3-4 AM	264	0.0	198	0.0	1500	264	0	198	0.36	0	60.2	48.5	44.4	29.1	29.1
4-5 AM	297	0.0	186	0.0	1500	297	0	186	0.37	0	60.2	48.4	44.3	29.1	29.1
5-6 AM	480	0.0	186	0.0	1500	480	0	186	0.39	0	60.2	47.8	43.6	29.1	29.1
6-7 AM	1001	0.0	188	0.0	1499	1001	0	188	0.47	0	60.2	45.8	41.1	29.1	29.1
7-8 AM	1690	0.0	220	0.0	1499	1566	124	344	1.77	24	60.2	27.6	30.8	29.1	28.6
8-9 AM	2294	0.0	204	0.0	1499	1486	809	1012	2.85	49	60.2	20.7	31.1	29.1	26.3
9-10 AM	2835	0.0	242	0.0	1499	1509	1325	1567+	3.20	58	60.2	19.1	30.8	28.9	24.3
10-11 AM	3337	0.0	259	0.0	1500	1510	1827	2087+	3.58	68	60.2	17.7	30.8	28.9	22.5
11A-NOON	3670	0.0	256	0.0	1500	1506	2163	2420+	3.86	76	60.2	16.8	30.8	28.9	21.3
NOON-1PM	3822	0.0	246	0.0	1500	1502	2320	2566+	3.99	79	60.2	16.4	30.8	28.9	20.8
1-2 PM	3717	0.0	230	0.0	1500	1496	2221	2450+	3.89	76	60.2	16.7	30.8	29.0	21.2
2-3 PM	3668	0.0	197	0.0	1500	1498	2169	2366+	3.81	74	60.2	17.0	30.8	29.1	21.5
3-4 PM	3615	0.0	205	0.0	1500	1499	2116	2321+	3.78	73	60.2	17.1	30.8	29.1	21.7
4-5 PM	3497	0.0	181	0.0	1500	1496	2001	2182+	3.66	70	60.2	17.5	30.8	29.2	22.1
5-6 PM	3150	0.0	131	0.0	1499	1490	1660	1790+	3.36	63	60.2	18.5	30.8	29.4	23.5
6-7 PM	2531	0.0	138	0.0	1499	1490	1042	1180	2.95	52	60.2	20.2	30.9	29.3	25.6
7-8 PM	2065	0.0	109	0.0	1500	1494	571	680	2.67	44	60.2	21.6	30.8	29.4	27.4
8-9 PM	1921	0.0	109	0.0	1500	1499	422	531	2.59	42	60.2	22.0	30.8	29.4	27.9
9-10 PM	1743	0.0	110	0.0	1500	1497	246	356	2.50	40	60.2	22.5	30.8	29.4	28.6
10-11 PM	1371	0.0	133	0.0	1499	1371	0	133	1.21	13	60.2	33.2	33.3	29.3	29.3
11PM-MID	1100	0.0	150	0.0	1500	1100	0	150	0.46	0	60.2	46.0	41.4	29.2	29.2

+ 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	0.0118
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0679

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$44,705
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**

**AUGUST**  
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 Construction Season

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

