

**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
FRIDAY 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	433	0.0	31	0.0	1500	433	0	31	0.38	0	60.2	47.9	43.8	29.7	29.7
1-2 AM	300	0.0	30	0.0	1500	300	0	30	0.37	0	60.2	48.4	44.3	29.7	29.7
2-3 AM	245	0.0	19	0.0	1500	245	0	19	0.36	0	60.2	48.6	44.5	29.7	29.7
3-4 AM	257	0.0	15	0.0	1500	257	0	15	0.36	0	60.2	48.5	44.5	29.7	29.7
4-5 AM	445	0.0	32	0.0	1500	445	0	32	0.38	0	60.2	47.9	43.7	29.7	29.7
5-6 AM	1603	0.0	206	0.0	1499	1390	213	419	1.17	22	60.2	33.7	36.1	29.1	28.3
6-7 AM	4470	0.0	576	0.0	1499	1546	2923	3499+	5.04	109	60.2	13.8	30.8	27.8	17.6
7-8 AM	5361	0.0	1008	0.0	1499	1531	3830	4839+	7.15	167	54.2	10.8	30.8	26.3	13.5
8-9 AM	4061	0.0	697	0.0	1499	1421	2639	3336+	4.82	103	60.2	14.3	31.8	27.4	18.1
9-10 AM	3455	0.0	478	0.0	1500	1485	1969	2448+	3.89	77	60.2	16.7	30.9	28.1	21.2
10-11 AM	3266	0.0	490	0.0	1500	1500	1766	2256+	3.72	72	60.2	17.2	30.8	28.1	21.9
11A-NOON	3586	0.0	624	0.0	1500	1513	2074	2697+	4.12	83	60.2	16.0	30.8	27.6	20.3
NOON-1PM	3783	0.0	782	0.0	1500	1508	2275	3057+	4.49	92	60.2	15.0	30.8	27.1	19.1
1-2 PM	3696	0.0	636	0.0	1500	1493	2204	2840+	4.26	86	60.2	15.6	30.8	27.6	19.8
2-3 PM	3816	0.0	590	0.0	1500	1504	2312	2902+	4.32	88	60.2	15.5	30.8	27.8	19.6
3-4 PM	4039	0.0	668	0.0	1500	1509	2530	3198+	4.65	97	60.2	14.6	30.8	27.4	18.6
4-5 PM	4165	0.0	635	0.0	1500	1501	2664	3299+	4.77	100	60.2	14.3	30.8	27.6	18.2
5-6 PM	3940	0.0	624	0.0	1500	1490	2450	3074+	4.51	93	60.2	15.0	30.8	27.6	19.0
6-7 PM	3403	0.0	501	0.0	1499	1481	1923	2424+	3.87	76	60.2	16.8	30.9	28.1	21.3
7-8 PM	2648	0.0	348	0.0	1499	1483	1164	1512+	3.16	58	60.2	19.3	30.9	28.6	24.5
8-9 PM	2237	0.0	265	0.0	1500	1493	743	1009	2.85	49	60.2	20.7	30.8	28.9	26.3
9-10 PM	1895	0.0	227	0.0	1500	1495	400	628	2.64	44	60.2	21.7	30.8	29.0	27.6
10-11 PM	1529	0.0	145	0.0	1500	1462	67	212	2.06	30	60.2	25.3	31.1	29.3	29.1
11PM-MID	1105	0.0	105	0.0	1500	1104	0	105	0.54	0	60.2	44.3	39.5	29.4	29.4

+ 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	0.0152
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.1166

PIA: Personal Injury Accidents

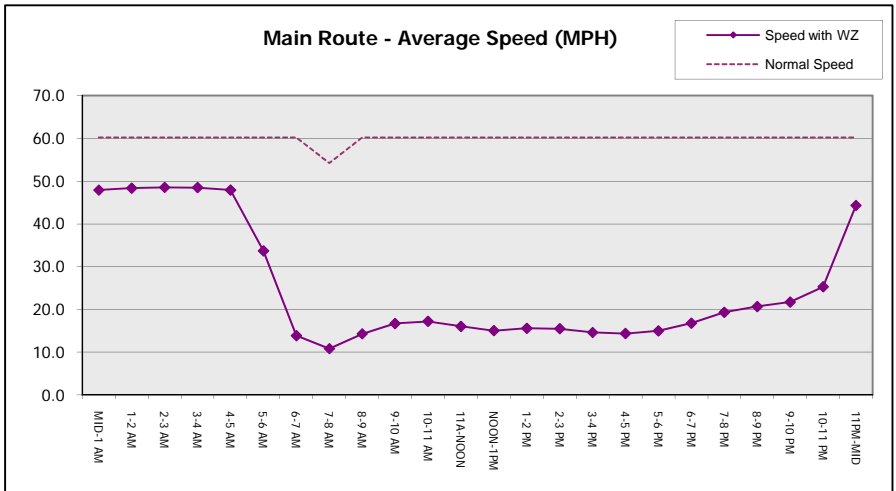
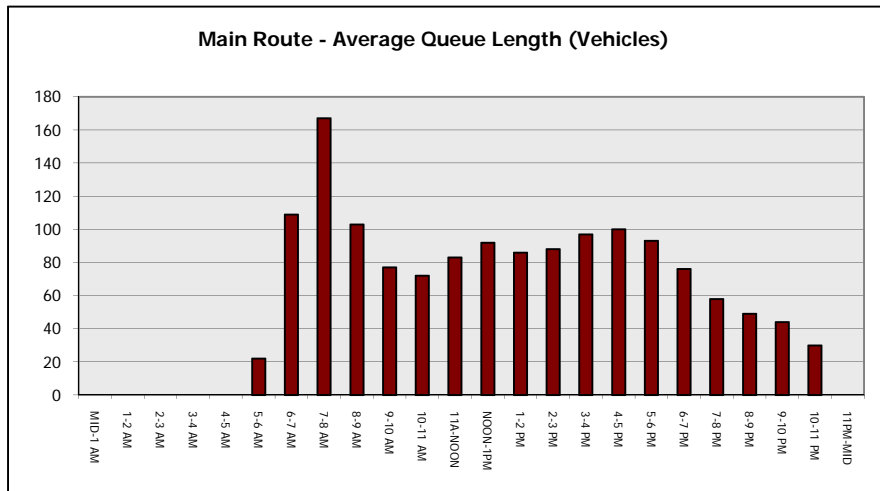
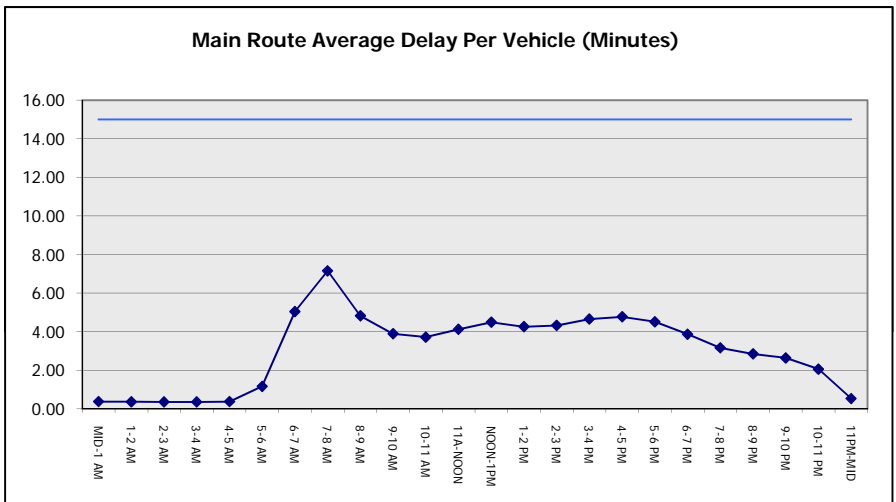
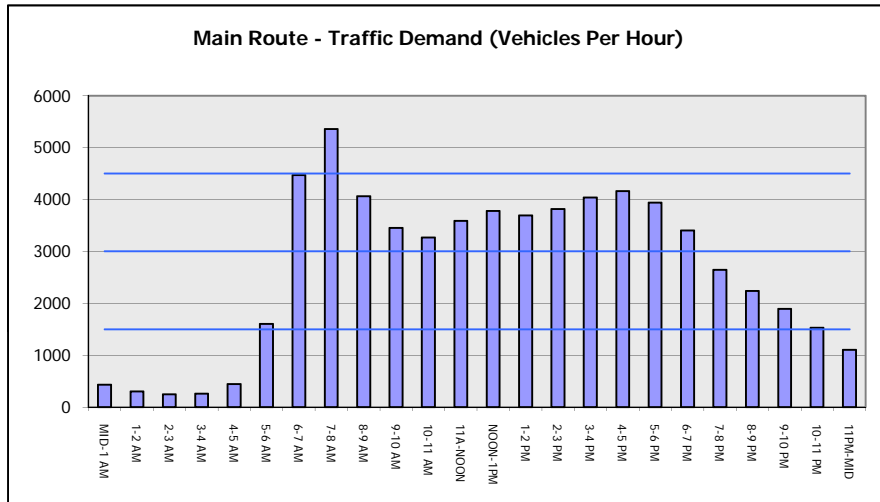
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$66,614
CONGESTED HOURS PER DAY*	0

*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
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

FRIDAY 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	444	0.0	29	0.0	1500	444	0	29	0.38	0	60.2	47.9	43.7	29.7	29.7
1-2 AM	312	0.0	31	0.0	1500	312	0	31	0.37	0	60.2	48.3	44.2	29.7	29.7
2-3 AM	306	0.0	15	0.0	1500	306	0	15	0.37	0	60.2	48.4	44.3	29.7	29.7
3-4 AM	259	0.0	8	0.0	1500	259	0	8	0.36	0	60.2	48.5	44.5	29.8	29.8
4-5 AM	451	0.0	20	0.0	1500	451	0	20	0.38	0	60.2	47.9	43.7	29.7	29.7
5-6 AM	1201	0.0	63	0.0	1499	1201	0	63	0.67	0	60.2	41.5	36.4	29.6	29.6
6-7 AM	2841	0.0	151	0.0	1499	1560	1282	1433+	3.11	57	60.2	19.5	31.3	29.2	24.8
7-8 AM	4084	0.0	273	0.0	1500	1530	2554	2826+	4.25	86	60.2	15.6	30.8	28.9	19.9
8-9 AM	3419	0.0	303	0.0	1499	1480	1939	2241+	3.71	72	60.2	17.3	30.9	28.8	21.9
9-10 AM	3040	0.0	312	0.0	1500	1495	1545	1857+	3.41	64	60.2	18.3	30.8	28.7	23.3
10-11 AM	3257	0.0	439	0.0	1500	1510	1747	2186+	3.66	71	60.2	17.5	30.8	28.3	22.1
11A-NOON	3775	0.0	604	0.0	1500	1518	2256	2860+	4.28	87	60.2	15.6	30.8	27.7	19.7
NOON-1PM	4260	0.0	688	0.0	1500	1515	2745	3433+	4.94	104	60.2	14.0	30.8	27.4	17.8
1-2 PM	4273	0.0	577	0.0	1500	1496	2777	3354+	4.84	101	60.2	14.2	30.8	27.8	18.0
2-3 PM	4720	0.0	597	0.0	1500	1524	3195	3792+	5.40	118	58.6	13.0	30.8	27.7	16.5
3-4 PM	5548	0.0	811	0.0	1500	1538	4010	4821+	6.96	163	53.0	10.9	30.8	27.0	13.7
4-5 PM	5748	0.0	995	0.0	1500	1500	4248	5243+	7.11	168	51.6	10.7	30.8	26.3	13.4
5-6 PM	4858	0.0	690	0.0	1500	1445	3412	4103+	5.90	133	57.7	12.3	31.1	27.4	15.5
6-7 PM	3460	0.0	433	0.0	1500	1455	2004	2438+	3.88	77	60.2	16.7	31.2	28.3	21.2
7-8 PM	2595	0.0	346	0.0	1500	1486	1109	1455+	3.13	57	60.2	19.4	30.9	28.6	24.7
8-9 PM	2163	0.0	254	0.0	1500	1493	669	923	2.80	48	60.2	20.9	30.8	28.9	26.6
9-10 PM	1815	0.0	189	0.0	1500	1495	320	509	2.58	42	60.2	22.0	30.8	29.1	28.0
10-11 PM	1597	0.0	114	0.0	1500	1496	101	215	2.43	38	60.2	22.9	30.8	29.4	29.1
11PM-MID	1095	0.0	98	0.0	1500	1095	0	98	0.60	2	60.2	42.9	39.4	29.4	29.4

+ 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	0.0156
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.1168

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$72,978
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**

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

