

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

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	621	0.0	377	0.0	1500	621	0	377	0.40	0	60.2	47.4	43.0	28.5	28.5
1-2 AM	383	0.0	483	0.0	1500	383	0	483	0.38	0	60.2	48.1	44.0	28.1	28.1
2-3 AM	259	0.0	516	0.0	1500	259	0	516	0.36	0	60.2	48.5	44.5	28.0	28.0
3-4 AM	262	0.0	392	0.0	1500	262	0	392	0.36	0	60.2	48.5	44.4	28.4	28.4
4-5 AM	441	0.0	410	0.0	1500	441	0	410	0.38	0	60.2	47.9	43.7	28.4	28.4
5-6 AM	1608	0.0	481	0.0	1499	1414	194	674	1.22	23	60.2	33.2	35.6	28.1	27.4
6-7 AM	4205	0.0	625	0.0	1499	1528	2677	3302+	4.78	101	60.2	14.3	30.9	27.6	18.2
7-8 AM	5699	0.0	623	0.0	1500	1552	4147	4770+	7.04	166	51.9	10.8	30.8	27.6	13.5
8-9 AM	4469	0.0	455	0.0	1499	1418	3050	3505+	5.04	109	60.2	13.8	31.9	28.2	17.5
9-10 AM	3613	0.0	360	0.0	1500	1480	2133	2493+	3.93	78	60.2	16.6	30.9	28.6	21.1
10-11 AM	3481	0.0	285	0.0	1500	1499	1982	2267+	3.73	72	60.2	17.2	30.8	28.8	21.9
11A-NOON	3807	0.0	343	0.0	1500	1510	2296	2639+	4.06	81	60.2	16.1	30.8	28.6	20.6
NOON-1PM	3983	0.0	338	0.0	1500	1503	2479	2817+	4.24	86	60.2	15.6	30.8	28.6	19.9
1-2 PM	4073	0.0	253	0.0	1500	1500	2573	2826+	4.25	86	60.2	15.6	30.8	28.9	19.9
2-3 PM	4244	0.0	228	0.0	1500	1505	2739	2968+	4.39	90	60.2	15.3	30.8	29.0	19.4
3-4 PM	4455	0.0	232	0.0	1500	1506	2949	3181+	4.63	96	60.2	14.7	30.8	29.0	18.6
4-5 PM	4510	0.0	230	0.0	1500	1500	3010	3239+	4.69	98	60.1	14.5	30.8	29.0	18.4
5-6 PM	4320	0.0	202	0.0	1500	1490	2830	3032+	4.46	92	60.2	15.1	30.8	29.1	19.1
6-7 PM	3523	0.0	174	0.0	1499	1478	2045	2219+	3.69	72	60.2	17.3	30.9	29.2	22.0
7-8 PM	2714	0.0	154	0.0	1499	1486	1228	1382+	3.08	55	60.2	19.6	30.9	29.2	25.0
8-9 PM	2302	0.0	169	0.0	1500	1495	806	975	2.83	49	60.2	20.8	30.8	29.2	26.4
9-10 PM	2061	0.0	207	0.0	1500	1497	564	771	2.72	46	60.2	21.4	30.8	29.1	27.1
10-11 PM	1565	0.0	261	0.0	1499	1471	94	355	2.26	34	60.2	24.0	30.9	28.9	28.6
11PM-MID	1143	0.0	308	0.0	1500	1143	0	308	0.57	0	60.2	43.7	39.1	28.8	28.8

+ 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	0.0161
MAIN ROUTE WITH WORKS	0.0052
DIVERSION	0.1220

PIA: Personal Injury Accidents

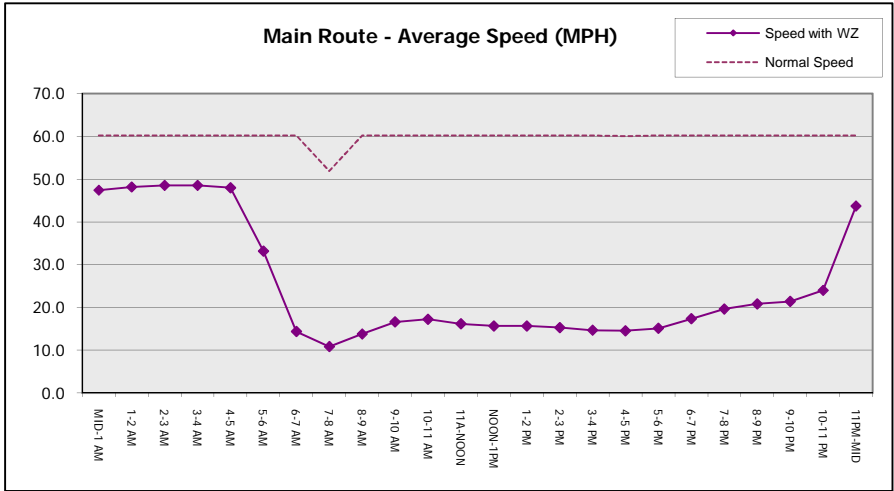
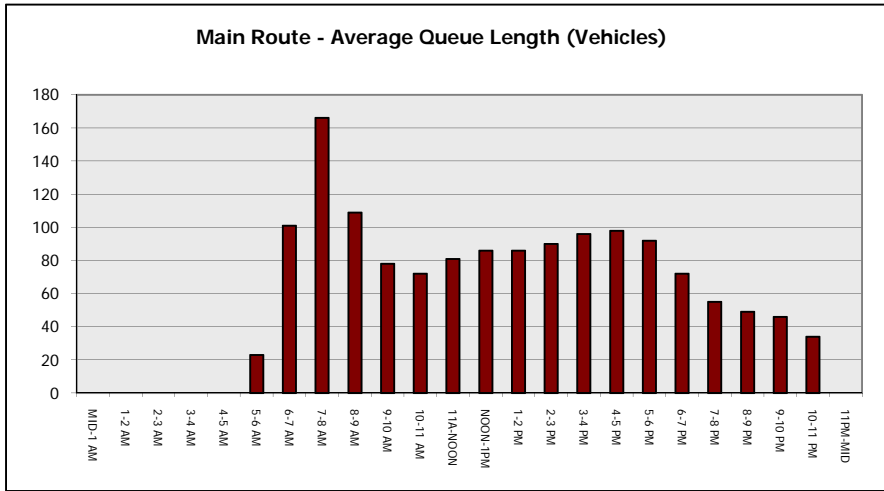
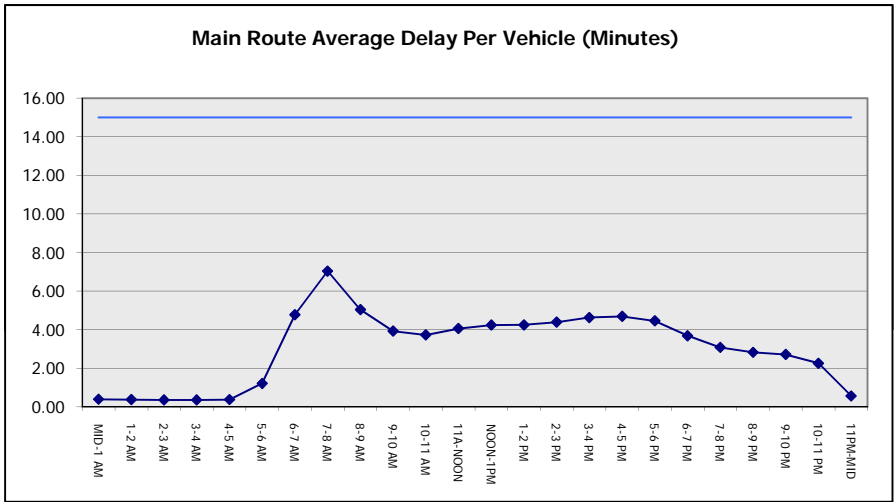
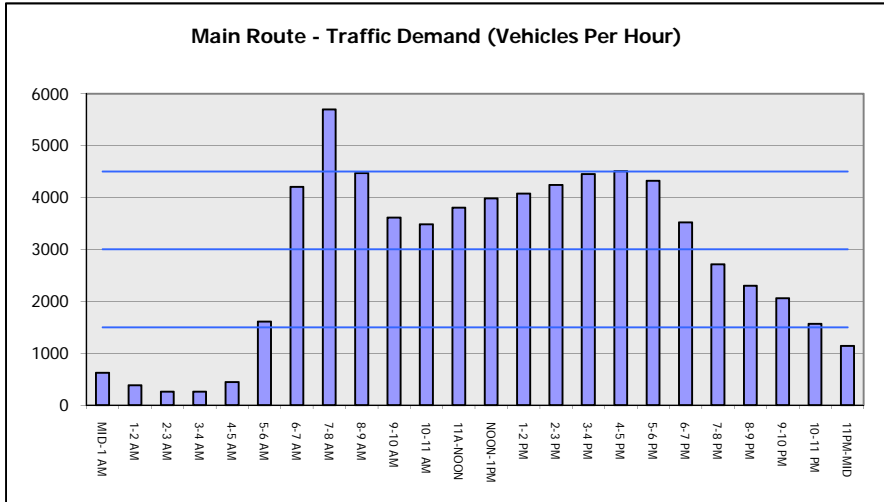
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$68,373
CONGESTED HOURS PER DAY*	0

*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
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	AUGUST Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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		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	478	0.0	386	0.0	1500	478	0	386	0.39	0	60.2	47.8	43.6	28.4	28.4
1-2 AM	335	0.0	446	0.0	1500	335	0	446	0.37	0	60.2	48.3	44.2	28.3	28.3
2-3 AM	297	0.0	404	0.0	1500	297	0	404	0.37	0	60.2	48.4	44.3	28.4	28.4
3-4 AM	264	0.0	378	0.0	1500	264	0	378	0.36	0	60.2	48.5	44.4	28.5	28.5
4-5 AM	457	0.0	678	0.0	1500	457	0	678	0.38	0	60.2	47.9	43.7	27.4	27.4
5-6 AM	1160	0.0	712	0.0	1499	1160	0	712	0.64	0	60.2	42.1	37.1	27.3	27.3
6-7 AM	2722	0.0	697	0.0	1499	1567	1155	1851+	3.40	65	60.2	18.3	31.5	27.4	23.3
7-8 AM	3921	0.0	383	0.0	1500	1520	2401	2784+	4.20	85	60.2	15.8	30.8	28.4	20.0
8-9 AM	3414	0.0	336	0.0	1499	1484	1931	2266+	3.73	72	60.2	17.2	30.9	28.6	21.9
9-10 AM	3211	0.0	295	0.0	1500	1497	1714	2009+	3.52	67	60.2	17.9	30.8	28.8	22.7
10-11 AM	3496	0.0	258	0.0	1500	1507	1988	2247+	3.71	72	60.2	17.3	30.8	28.9	21.9
11A-NOON	3995	0.0	283	0.0	1500	1514	2481	2764+	4.18	84	60.2	15.8	30.8	28.8	20.1
NOON-1PM	4539	0.0	270	0.0	1500	1514	3024	3294+	4.75	100	59.9	14.3	30.8	28.9	18.3
1-2 PM	4626	0.0	226	0.0	1500	1501	3125	3351+	4.81	101	59.2	14.2	30.8	29.0	18.0
2-3 PM	5110	0.0	242	0.0	1500	1524	3586	3827+	5.38	119	56.0	12.9	30.8	28.9	16.4
3-4 PM	5927	0.0	286	0.0	1500	1538	4389	4676+	6.77	161	50.4	11.0	30.8	28.8	13.8
4-5 PM	5948	0.0	368	0.0	1500	1500	4448	4816+	7.01	167	50.2	10.8	30.8	28.5	13.5
5-6 PM	5267	0.0	235	0.0	1499	1445	3822	4057+	5.73	131	54.9	12.4	31.1	29.0	15.6
6-7 PM	3620	0.0	150	0.0	1499	1452	2168	2318+	3.77	75	60.2	17.1	31.3	29.2	21.7
7-8 PM	2592	0.0	140	0.0	1500	1486	1106	1246+	2.99	53	60.2	20.0	30.9	29.3	25.4
8-9 PM	2218	0.0	147	0.0	1500	1497	722	869	2.77	47	60.2	21.1	30.8	29.3	26.8
9-10 PM	1974	0.0	163	0.0	1500	1497	478	640	2.65	44	60.2	21.7	30.8	29.2	27.6
10-11 PM	1591	0.0	205	0.0	1500	1487	104	309	2.40	37	60.2	23.0	30.8	29.1	28.8
11PM-MID	1095	0.0	254	0.0	1500	1095	0	254	0.58	1	60.2	43.4	39.5	28.9	28.9

+ 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	0.0163
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.1238

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$73,692
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
FRIDAY EASTBOUND DIRECTION

