

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

MON-THUR 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	435	0.0	305	0.0	1500	435	0	305	0.38	0	60.2	47.9	43.8	28.8	28.8
1-2 AM	304	0.0	427	0.0	1500	304	0	427	0.37	0	60.2	48.4	44.3	28.3	28.3
2-3 AM	254	0.0	409	0.0	1500	254	0	409	0.36	0	60.2	48.5	44.5	28.4	28.4
3-4 AM	268	0.0	317	0.0	1500	268	0	317	0.36	0	60.2	48.5	44.4	28.7	28.7
4-5 AM	494	0.0	333	0.0	1500	494	0	333	0.39	0	60.2	47.8	43.5	28.6	28.6
5-6 AM	1739	0.0	465	0.0	1499	1466	273	738	1.35	25	60.2	31.6	34.2	28.2	27.2
6-7 AM	4557	0.0	629	0.0	1499	1544	3013	3642+	5.23	114	59.7	13.5	30.8	27.6	17.1
7-8 AM	6121	0.0	736	0.0	1499	1500	4621	5356+	7.01	168	49.1	10.7	30.8	27.2	13.4
8-9 AM	4734	0.0	482	0.0	1500	1455	3279	3760+	5.36	118	58.5	13.2	31.1	28.1	16.6
9-10 AM	3674	0.0	338	0.0	1500	1473	2201	2538+	3.97	79	60.2	16.5	31.0	28.6	20.9
10-11 AM	3315	0.0	305	0.0	1500	1496	1819	2123+	3.61	69	60.2	17.6	30.8	28.8	22.4
11A-NOON	3359	0.0	313	0.0	1500	1503	1856	2169+	3.65	70	60.2	17.5	30.8	28.7	22.2
NOON-1PM	3504	0.0	359	0.0	1500	1504	2000	2359+	3.81	74	60.2	17.0	30.8	28.6	21.5
1-2 PM	3542	0.0	287	0.0	1500	1499	2043	2330+	3.78	74	60.2	17.0	30.8	28.8	21.6
2-3 PM	3659	0.0	235	0.0	1500	1503	2157	2391+	3.84	75	60.2	16.8	30.8	29.0	21.4
3-4 PM	4024	0.0	246	0.0	1500	1511	2513	2759+	4.18	84	60.2	15.8	30.8	28.9	20.1
4-5 PM	4402	0.0	264	0.0	1500	1509	2893	3157+	4.60	95	60.2	14.7	30.8	28.9	18.7
5-6 PM	4087	0.0	289	0.0	1500	1486	2601	2890+	4.31	88	60.2	15.5	30.9	28.8	19.6
6-7 PM	2896	0.0	328	0.0	1499	1475	1421	1749+	3.33	62	60.2	18.6	31.0	28.6	23.7
7-8 PM	2167	0.0	513	0.0	1500	1494	673	1185	2.96	52	60.2	20.2	30.8	28.0	25.6
8-9 PM	1911	0.0	678	0.0	1500	1499	411	1090	2.90	50	60.2	20.4	30.8	27.4	26.0
9-10 PM	1637	0.0	588	0.0	1499	1493	144	732	2.70	45	60.2	21.4	30.8	27.8	27.3
10-11 PM	1242	0.0	305	0.0	1500	1242	0	305	0.78	5	60.2	39.5	37.1	28.8	28.8
11PM-MID	816	0.0	285	0.0	1500	816	0	285	0.43	0	60.2	46.8	42.4	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	0.0150
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.1152

PIA: Personal Injury Accidents

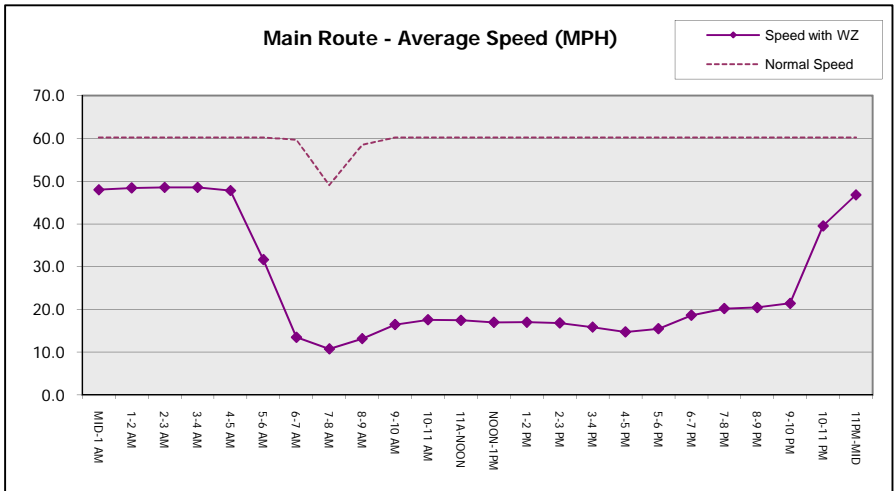
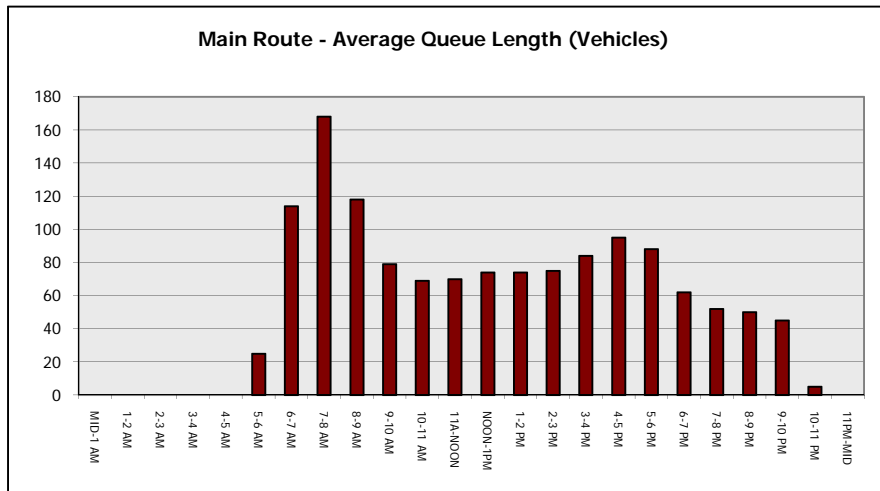
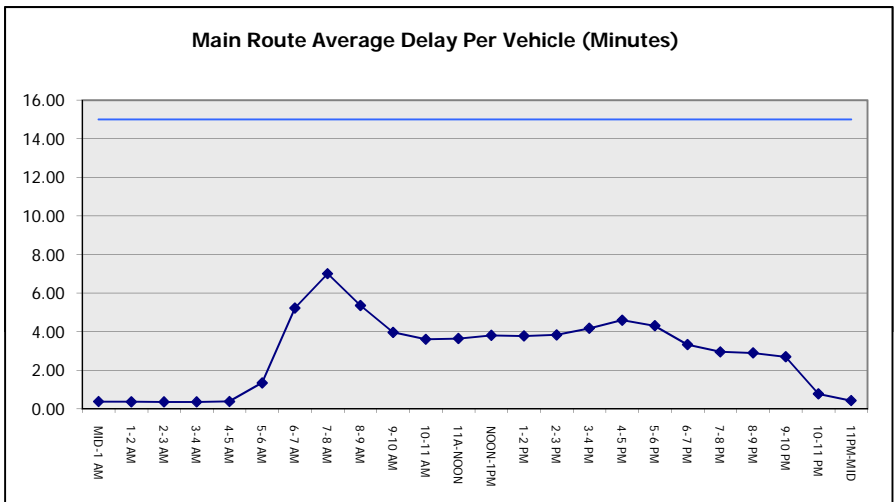
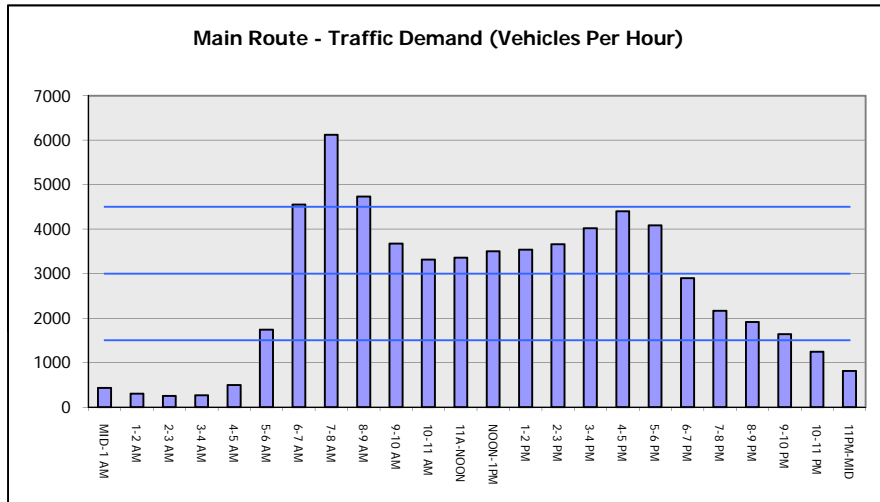
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$61,405
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	406	0.0	293	0.0	1500	406	0	293	0.38	0	60.2	48.1	43.8	28.8	28.8
1-2 AM	264	0.0	401	0.0	1500	264	0	401	0.36	0	60.2	48.5	44.4	28.4	28.4
2-3 AM	229	0.0	358	0.0	1500	229	0	358	0.36	0	60.2	48.6	44.6	28.6	28.6
3-4 AM	223	0.0	327	0.0	1500	223	0	327	0.36	0	60.2	48.6	44.6	28.6	28.6
4-5 AM	470	0.0	556	0.0	1500	470	0	556	0.39	0	60.2	47.8	43.6	27.9	27.9
5-6 AM	1277	0.0	729	0.0	1499	1277	0	729	0.93	10	60.2	37.1	36.3	27.3	27.3
6-7 AM	2894	0.0	769	0.0	1499	1538	1355	2124+	3.61	70	60.2	17.6	30.8	27.1	22.4
7-8 AM	4240	0.0	482	0.0	1500	1520	2720	3201+	4.65	97	60.2	14.6	30.8	28.1	18.6
8-9 AM	3571	0.0	304	0.0	1499	1472	2099	2402+	3.85	76	60.2	16.8	31.1	28.8	21.4
9-10 AM	2981	0.0	277	0.0	1500	1491	1490	1767+	3.34	62	60.2	18.6	30.8	28.8	23.6
10-11 AM	3141	0.0	243	0.0	1500	1505	1636	1879+	3.42	64	60.2	18.3	30.8	28.9	23.2
11A-NOON	3537	0.0	293	0.0	1500	1510	2027	2321+	3.78	73	60.2	17.1	30.8	28.8	21.7
NOON-1PM	3658	0.0	284	0.0	1500	1501	2157	2441+	3.88	76	60.2	16.7	30.8	28.8	21.2
1-2 PM	3746	0.0	234	0.0	1500	1502	2244	2477+	3.91	77	60.2	16.6	30.8	29.0	21.1
2-3 PM	4356	0.0	219	0.0	1500	1521	2836	3055+	4.49	92	60.2	15.0	30.8	29.1	19.1
3-4 PM	5366	0.0	327	0.0	1500	1549	3817	4144+	5.87	134	54.2	12.2	30.8	28.6	15.4
4-5 PM	5915	0.0	479	0.0	1499	1517	4398	4877+	7.04	168	50.4	10.7	30.8	28.1	13.5
5-6 PM	5430	0.0	423	0.0	1500	1460	3970	4393+	6.34	148	53.8	11.6	31.1	28.3	14.6
6-7 PM	3490	0.0	210	0.0	1499	1435	2054	2264+	3.73	74	60.2	17.2	31.7	29.1	21.9
7-8 PM	2500	0.0	195	0.0	1500	1489	1012	1206+	2.97	52	60.2	20.1	30.9	29.1	25.6
8-9 PM	2206	0.0	246	0.0	1500	1498	708	954	2.82	48	60.2	20.8	30.8	28.9	26.5
9-10 PM	1752	0.0	259	0.0	1499	1493	259	518	2.58	42	60.2	22.0	30.8	28.9	28.0
10-11 PM	1210	0.0	233	0.0	1500	1209	0	233	0.73	4	60.2	40.4	37.8	29.0	29.0
11PM-MID	738	0.0	252	0.0	1500	738	0	252	0.42	0	60.2	47.0	42.6	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	0.0152
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.1147

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$64,121
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
MON-THUR EASTBOUND DIRECTION

