

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	3000	435	0	305	0.22	0	60.2	52.6	49.7	28.8	28.8
1-2 AM	304	0.0	427	0.0	3000	304	0	427	0.22	0	60.2	52.6	49.7	28.3	28.3
2-3 AM	254	0.0	409	0.0	3000	254	0	409	0.22	0	60.2	52.6	49.7	28.4	28.4
3-4 AM	268	0.0	317	0.0	3000	268	0	317	0.22	0	60.2	52.6	49.7	28.7	28.7
4-5 AM	494	0.0	333	0.0	3000	494	0	333	0.22	0	60.2	52.6	49.7	28.6	28.6
5-6 AM	1739	0.0	465	0.0	3000	1739	0	465	0.22	0	60.2	52.6	49.7	28.2	28.2
6-7 AM	4557	0.0	629	0.0	2999	3204	1353	1982+	3.61	173	59.7	18.5	37.4	27.6	23.3
7-8 AM	6121	0.0	736	0.0	3000	3092	3029	3765+	5.38	289	49.1	14.5	37.3	27.2	17.7
8-9 AM	4734	0.0	482	0.0	2999	2858	1876	2357+	3.93	190	58.5	17.6	38.0	28.1	22.0
9-10 AM	3674	0.0	338	0.0	3000	2962	712	1049	2.88	126	60.2	20.7	37.4	28.6	26.3
10-11 AM	3315	0.0	305	0.0	3000	2994	321	625	2.64	112	60.2	21.7	37.3	28.8	27.6
11A-NOON	3359	0.0	313	0.0	3000	3004	355	667	2.66	113	60.2	21.6	37.3	28.7	27.4
NOON-1PM	3504	0.0	359	0.0	3000	3006	498	858	2.77	119	60.2	21.2	37.3	28.6	26.8
1-2 PM	3542	0.0	287	0.0	3000	2998	544	831	2.75	118	60.2	21.2	37.3	28.8	27.0
2-3 PM	3659	0.0	235	0.0	3000	3004	655	890	2.79	120	60.2	21.1	37.3	29.0	26.8
3-4 PM	4024	0.0	246	0.0	3000	3015	1008	1254+	3.02	133	60.2	20.2	37.3	28.9	25.6
4-5 PM	4402	0.0	264	0.0	3000	3013	1389	1653+	3.32	150	60.2	19.3	37.3	28.9	24.2
5-6 PM	4087	0.0	289	0.0	3000	2977	1110	1399+	3.12	139	60.2	19.9	37.3	28.8	25.1
6-7 PM	2896	0.0	328	0.0	2999	2800	96	424	1.47	68	60.2	30.3	39.9	28.6	28.3
7-8 PM	2167	0.0	513	0.0	3000	2167	0	513	0.22	0	60.2	52.6	49.7	28.0	28.0
8-9 PM	1911	0.0	678	0.0	3000	1911	0	678	0.22	0	60.2	52.6	49.7	27.4	27.4
9-10 PM	1637	0.0	588	0.0	3000	1637	0	588	0.22	0	60.2	52.6	49.7	27.8	27.8
10-11 PM	1242	0.0	305	0.0	3000	1242	0	305	0.22	0	60.2	52.6	49.7	28.8	28.8
11PM-MID	816	0.0	285	0.0	3000	816	0	285	0.22	0	60.2	52.6	49.7	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	0.0086
DIVERSION	0.0595

PIA: Personal Injury Accidents

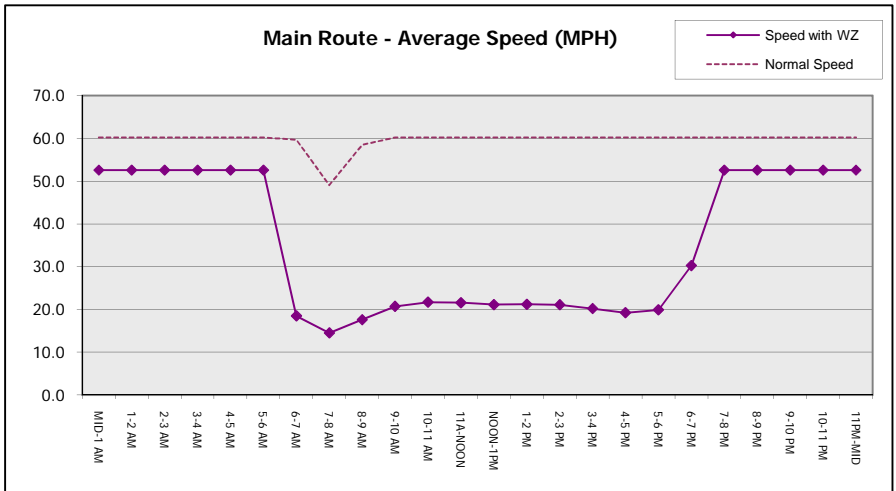
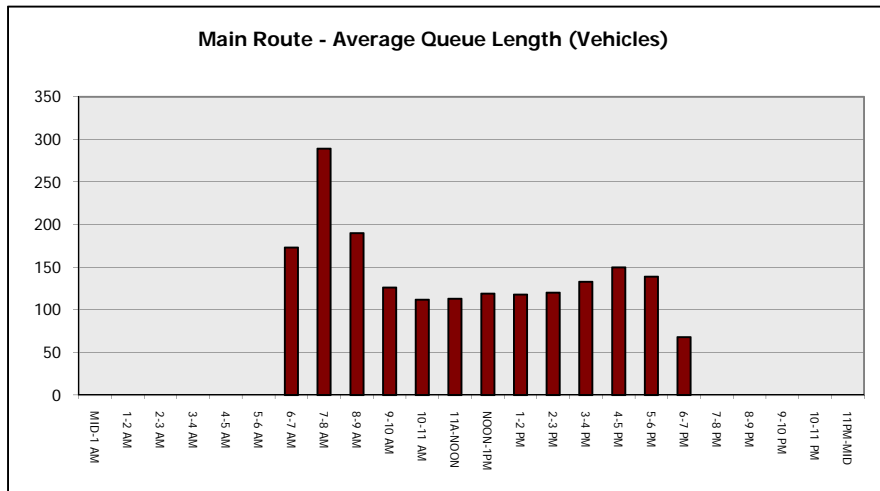
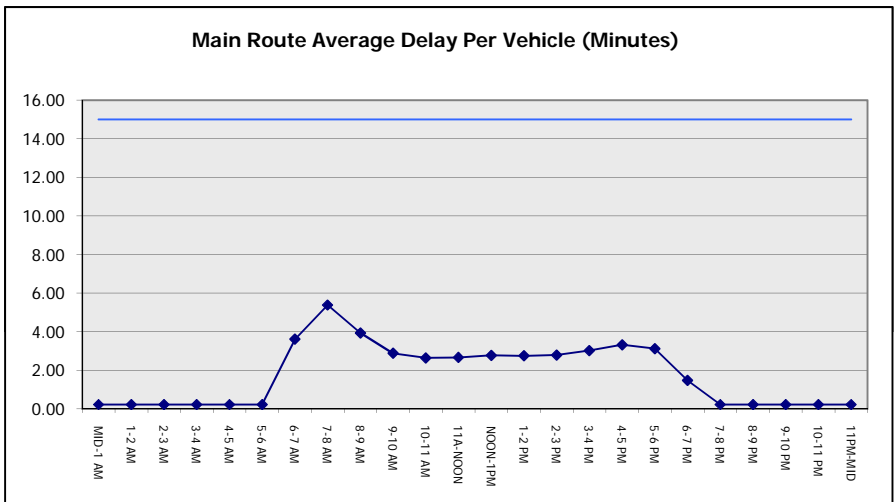
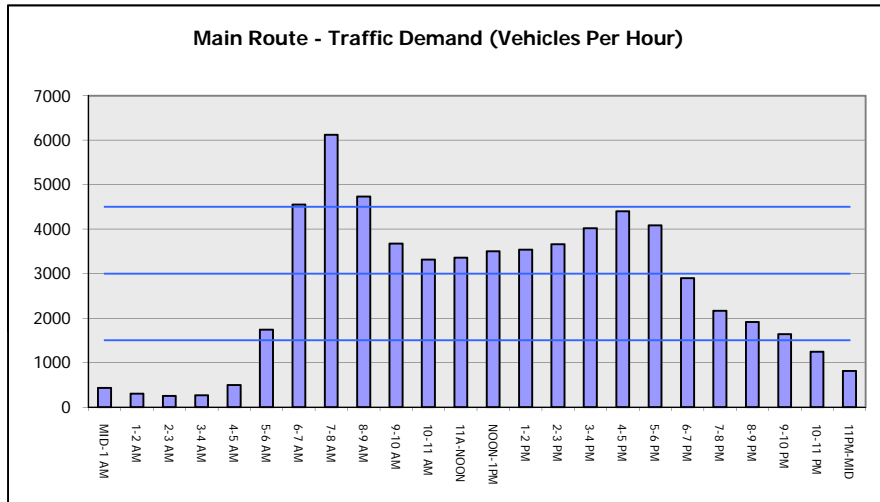
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$39,209
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
CONTINUOUS (24 HOUR) 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) 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						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVERTING	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	406	0.0	293	0.0	3000	406	0	293	0.22	0	60.2	52.6	49.7	28.8	28.8
1-2 AM	264	0.0	401	0.0	3000	264	0	401	0.22	0	60.2	52.6	49.7	28.4	28.4
2-3 AM	229	0.0	358	0.0	3000	229	0	358	0.22	0	60.2	52.6	49.7	28.6	28.6
3-4 AM	223	0.0	327	0.0	3000	223	0	327	0.22	0	60.2	52.6	49.7	28.6	28.6
4-5 AM	470	0.0	556	0.0	3000	470	0	556	0.22	0	60.2	52.6	49.7	27.9	27.9
5-6 AM	1277	0.0	729	0.0	3000	1277	0	729	0.22	0	60.2	52.6	49.7	27.3	27.3
6-7 AM	2894	0.0	769	0.0	2999	2894	0	769	0.84	32	60.2	38.6	41.7	27.1	27.1
7-8 AM	4240	0.0	482	0.0	2999	3022	1218	1700+	3.34	151	60.2	19.2	37.3	28.1	24.2
8-9 AM	3571	0.0	304	0.0	2999	2960	611	915	2.80	121	60.2	21.1	37.4	28.8	26.6
9-10 AM	2981	0.0	277	0.0	3000	2951	30	307	2.29	93	60.2	23.7	37.3	28.8	28.8
10-11 AM	3141	0.0	243	0.0	3000	3044	96	339	2.31	94	60.2	23.7	37.3	28.9	28.6
11A-NOON	3537	0.0	293	0.0	3000	3013	524	818	2.74	118	60.2	21.2	37.3	28.8	27.0
NOON-1PM	3658	0.0	284	0.0	3000	3002	657	941	2.82	122	60.2	21.0	37.3	28.8	26.6
1-2 PM	3746	0.0	234	0.0	2999	3004	742	975	2.84	123	60.2	20.9	37.3	29.0	26.5
2-3 PM	4356	0.0	219	0.0	3000	3034	1322	1541+	3.24	145	60.2	19.6	37.3	29.1	24.7
3-4 PM	5366	0.0	327	0.0	3000	3064	2303	2630+	4.08	203	54.2	17.0	37.3	28.6	21.1
4-5 PM	5915	0.0	479	0.0	3000	3033	2882	3361+	4.83	253	50.4	15.4	37.3	28.1	18.9
5-6 PM	5430	0.0	423	0.0	2999	2931	2499	2922+	4.40	223	53.8	16.3	37.4	28.3	20.2
6-7 PM	3490	0.0	210	0.0	2999	2913	577	787	2.74	119	60.2	21.4	37.8	29.1	27.1
7-8 PM	2500	0.0	195	0.0	3000	2500	0	195	0.49	15	60.2	45.3	46.0	29.1	29.1
8-9 PM	2206	0.0	246	0.0	3000	2206	0	246	0.22	0	60.2	52.6	49.7	28.9	28.9
9-10 PM	1752	0.0	259	0.0	3000	1752	0	259	0.22	0	60.2	52.6	49.7	28.9	28.9
10-11 PM	1210	0.0	233	0.0	3000	1210	0	233	0.22	0	60.2	52.6	49.7	29.0	29.0
11PM-MID	738	0.0	252	0.0	3000	738	0	252	0.22	0	60.2	52.6	49.7	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	0.0086
DIVERSION	0.0581

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$39,286
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
 CONTINUOUS (24 HOUR) 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

