

<b>USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: MONONA DR - CTH BW</b>	<b>AUGUST</b>
	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	3000	621	0	377	0.22	0	60.2	52.6	49.7	28.5	28.5
1-2 AM	383	0.0	483	0.0	3000	383	0	483	0.22	0	60.2	52.6	49.7	28.1	28.1
2-3 AM	259	0.0	516	0.0	3000	259	0	516	0.22	0	60.2	52.6	49.7	28.0	28.0
3-4 AM	262	0.0	392	0.0	3000	262	0	392	0.22	0	60.2	52.6	49.7	28.4	28.4
4-5 AM	441	0.0	410	0.0	3000	441	0	410	0.22	0	60.2	52.6	49.7	28.4	28.4
5-6 AM	1608	0.0	481	0.0	3000	1608	0	481	0.22	0	60.2	52.6	49.7	28.1	28.1
6-7 AM	4205	0.0	625	0.0	2999	3177	1028	1653+	3.35	156	60.2	19.3	37.5	27.6	24.3
7-8 AM	5699	0.0	623	0.0	3000	3072	2626	3249+	4.74	245	51.9	15.6	37.3	27.6	19.2
8-9 AM	4469	0.0	455	0.0	2999	2895	1574	2029+	3.65	170	60.2	18.4	37.8	28.2	23.0
9-10 AM	3613	0.0	360	0.0	3000	2973	640	1000	2.85	124	60.2	20.9	37.3	28.6	26.4
10-11 AM	3481	0.0	285	0.0	3000	3000	481	766	2.72	116	60.2	21.4	37.3	28.8	27.1
11A-NOON	3807	0.0	343	0.0	3000	3015	792	1134	2.94	128	60.2	20.6	37.3	28.6	26.0
NOON-1PM	3983	0.0	338	0.0	3000	3004	978	1316+	3.06	135	60.2	20.1	37.3	28.6	25.4
1-2 PM	4073	0.0	253	0.0	2999	3000	1073	1326+	3.06	135	60.2	20.1	37.3	28.9	25.3
2-3 PM	4244	0.0	228	0.0	3000	3008	1236	1465+	3.17	141	60.2	19.7	37.3	29.0	24.9
3-4 PM	4455	0.0	232	0.0	3000	3009	1446	1677+	3.35	151	60.2	19.2	37.3	29.0	24.2
4-5 PM	4510	0.0	230	0.0	3000	2999	1511	1740+	3.40	154	60.1	19.0	37.3	29.0	23.9
5-6 PM	4320	0.0	202	0.0	3000	2983	1337	1539+	3.23	145	60.2	19.6	37.3	29.1	24.6
6-7 PM	3523	0.0	174	0.0	2999	2970	553	727	2.70	115	60.2	21.5	37.3	29.2	27.3
7-8 PM	2714	0.0	154	0.0	2999	2713	2	156	0.92	37	60.2	37.3	41.5	29.2	29.2
8-9 PM	2302	0.0	169	0.0	3000	2302	0	169	0.22	0	60.2	52.6	49.7	29.2	29.2
9-10 PM	2061	0.0	207	0.0	3000	2061	0	207	0.22	0	60.2	52.6	49.7	29.1	29.1
10-11 PM	1565	0.0	261	0.0	3000	1565	0	261	0.22	0	60.2	52.6	49.7	28.9	28.9
11PM-MID	1143	0.0	308	0.0	3000	1143	0	308	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	0.0161
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0621

PIA: Personal Injury Accidents

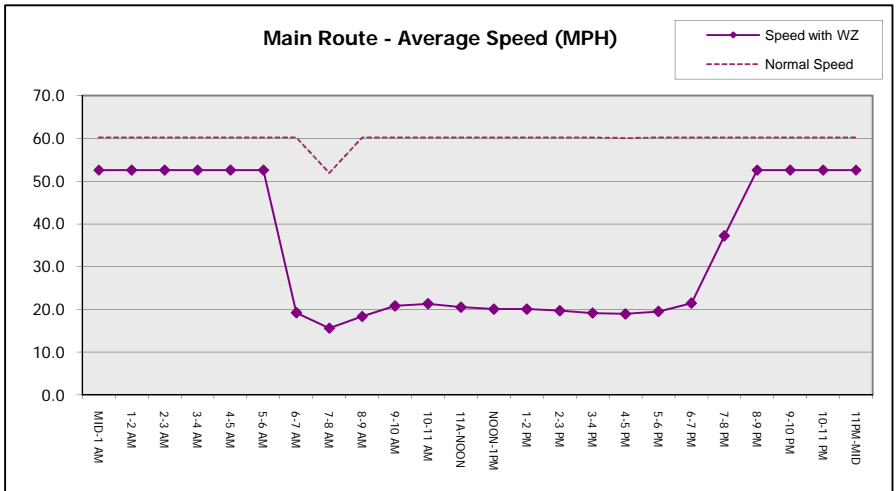
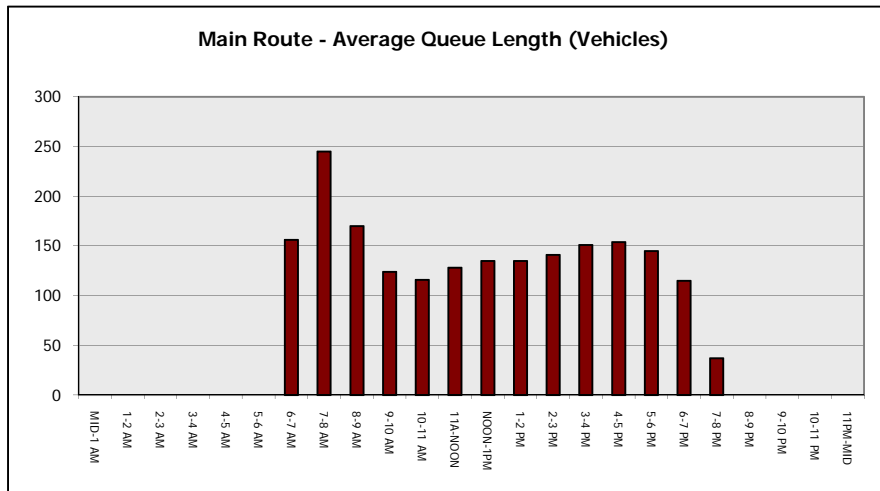
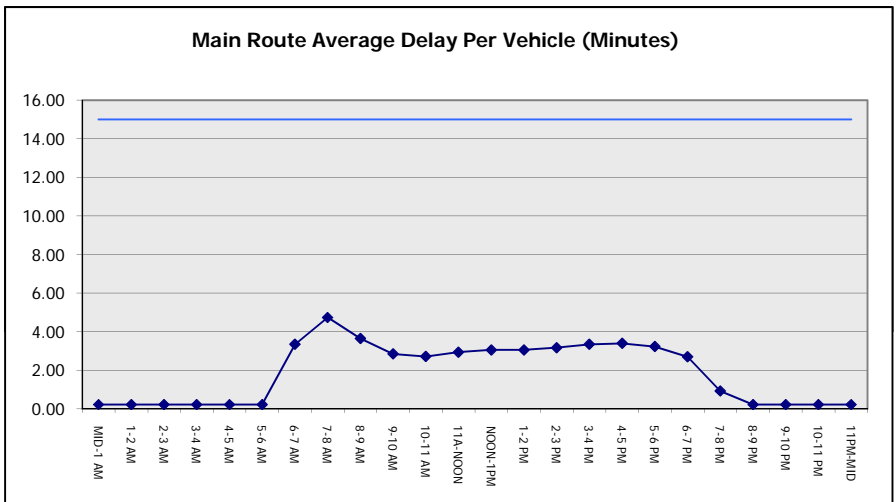
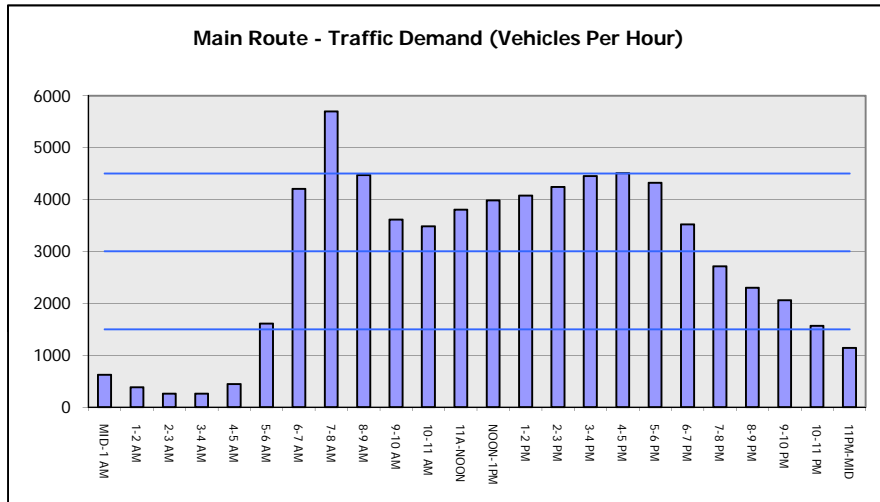
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$43,342
CONGESTED HOURS PER DAY*	0

\*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**  
**FRIDAY WESTBOUND DIRECTION**



<b>USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: MONONA DR - CTH BW</b>	<b>AUGUST</b>
	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							
	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	3000	478	0	386	0.22	0	60.2	52.6	49.7	28.4	28.4
1-2 AM	335	0.0	446	0.0	3000	335	0	446	0.22	0	60.2	52.6	49.7	28.3	28.3
2-3 AM	297	0.0	404	0.0	3000	297	0	404	0.22	0	60.2	52.6	49.7	28.4	28.4
3-4 AM	264	0.0	378	0.0	3000	264	0	378	0.22	0	60.2	52.6	49.7	28.5	28.5
4-5 AM	457	0.0	678	0.0	3000	457	0	678	0.22	0	60.2	52.6	49.7	27.4	27.4
5-6 AM	1160	0.0	712	0.0	3000	1160	0	712	0.22	0	60.2	52.6	49.7	27.3	27.3
6-7 AM	2722	0.0	697	0.0	2999	2722	0	697	0.51	8	60.2	44.9	43.5	27.4	27.4
7-8 AM	3921	0.0	383	0.0	3000	3086	835	1218+	2.97	132	60.2	20.4	37.7	28.4	25.7
8-9 AM	3414	0.0	336	0.0	3000	2993	422	757	2.71	116	60.2	21.4	37.3	28.6	27.1
9-10 AM	3211	0.0	295	0.0	3000	2997	214	509	2.58	108	60.2	22.0	37.3	28.8	28.0
10-11 AM	3496	0.0	258	0.0	3000	3011	484	743	2.70	115	60.2	21.4	37.3	28.9	27.2
11A-NOON	3995	0.0	283	0.0	3000	3020	975	1258+	3.02	133	60.2	20.2	37.3	28.8	25.6
NOON-1PM	4539	0.0	270	0.0	3000	3022	1516	1786+	3.43	157	59.9	18.9	37.3	28.9	23.8
1-2 PM	4626	0.0	226	0.0	2999	3003	1623	1850+	3.48	160	59.2	18.8	37.3	29.0	23.5
2-3 PM	5110	0.0	242	0.0	3000	3033	2076	2318+	3.81	184	56.0	17.6	37.3	28.9	22.0
3-4 PM	5927	0.0	286	0.0	3000	3054	2873	3159+	4.56	238	50.4	15.8	37.3	28.8	19.4
4-5 PM	5948	0.0	368	0.0	2999	2988	2960	3328+	4.78	251	50.2	15.5	37.3	28.5	18.9
5-6 PM	5267	0.0	235	0.0	2999	2929	2338	2573+	4.04	200	54.9	17.1	37.4	29.0	21.2
6-7 PM	3620	0.0	150	0.0	2999	2933	687	837	2.76	120	60.2	21.3	37.6	29.2	27.0
7-8 PM	2592	0.0	140	0.0	3000	2592	0	140	0.64	23	60.2	42.1	44.3	29.3	29.3
8-9 PM	2218	0.0	147	0.0	3000	2218	0	147	0.22	0	60.2	52.6	49.7	29.3	29.3
9-10 PM	1974	0.0	163	0.0	3000	1974	0	163	0.22	0	60.2	52.6	49.7	29.2	29.2
10-11 PM	1591	0.0	205	0.0	3000	1591	0	205	0.22	0	60.2	52.6	49.7	29.1	29.1
11PM-MID	1095	0.0	254	0.0	3000	1095	0	254	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	0.0163
MAIN ROUTE WITH WORKS	0.0088
DIVERSION	0.0663

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$45,387
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) 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**

