

<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**

**SATURDAY 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	767	0.0	266	0.0	3000	767	0	266	0.22	0	60.2	52.6	49.7	28.9	28.9
1-2 AM	476	0.0	274	0.0	3000	476	0	274	0.22	0	60.2	52.6	49.7	28.9	28.9
2-3 AM	451	0.0	224	0.0	3000	451	0	224	0.22	0	60.2	52.6	49.7	29.0	29.0
3-4 AM	329	0.0	240	0.0	3000	329	0	240	0.22	0	60.2	52.6	49.7	28.9	28.9
4-5 AM	294	0.0	208	0.0	3000	294	0	208	0.22	0	60.2	52.6	49.7	29.1	29.1
5-6 AM	593	0.0	220	0.0	3000	593	0	220	0.22	0	60.2	52.6	49.7	29.1	29.1
6-7 AM	1152	0.0	259	0.0	3000	1152	0	259	0.22	0	60.2	52.6	49.7	28.9	28.9
7-8 AM	1714	0.0	246	0.0	3000	1714	0	246	0.22	0	60.2	52.6	49.7	28.9	28.9
8-9 AM	2258	0.0	245	0.0	3000	2258	0	245	0.22	0	60.2	52.6	49.7	28.9	28.9
9-10 AM	2850	0.0	284	0.0	2999	2850	0	284	0.52	0	60.2	44.6	39.8	28.8	28.8
10-11 AM	3268	0.0	290	0.0	2999	3123	145	435	1.91	77	60.2	26.4	37.3	28.8	28.3
11A-NOON	3575	0.0	288	0.0	2999	2998	577	866	2.77	119	60.2	21.1	37.3	28.8	26.8
NOON-1PM	3480	0.0	294	0.0	2999	2995	485	779	2.72	116	60.2	21.4	37.3	28.8	27.1
1-2 PM	3501	0.0	275	0.0	3000	3000	501	776	2.72	116	60.2	21.4	37.3	28.8	27.1
2-3 PM	3508	0.0	218	0.0	3000	2997	511	729	2.69	115	60.2	21.5	37.3	29.1	27.3
3-4 PM	3245	0.0	220	0.0	3000	2992	252	472	2.56	107	60.2	22.2	37.3	29.1	28.1
4-5 PM	3167	0.0	199	0.0	3000	2997	171	369	2.51	104	60.2	22.5	37.3	29.1	28.5
5-6 PM	2813	0.0	184	0.0	2999	2813	0	184	1.10	41	60.2	34.6	39.4	29.2	29.2
6-7 PM	2559	0.0	165	0.0	3000	2559	0	165	0.33	0	60.2	49.3	45.5	29.2	29.2
7-8 PM	2089	0.0	145	0.0	3000	2089	0	145	0.22	0	60.2	52.6	49.7	29.3	29.3
8-9 PM	1916	0.0	137	0.0	3000	1916	0	137	0.22	0	60.2	52.6	49.7	29.3	29.3
9-10 PM	1782	0.0	140	0.0	3000	1782	0	140	0.22	0	60.2	52.6	49.7	29.3	29.3
10-11 PM	1529	0.0	146	0.0	3000	1529	0	146	0.22	0	60.2	52.6	49.7	29.3	29.3
11PM-MID	1107	0.0	175	0.0	3000	1107	0	175	0.22	0	60.2	52.6	49.7	29.2	29.2

*----- 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	0.0115
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0212

PIA: Personal Injury Accidents

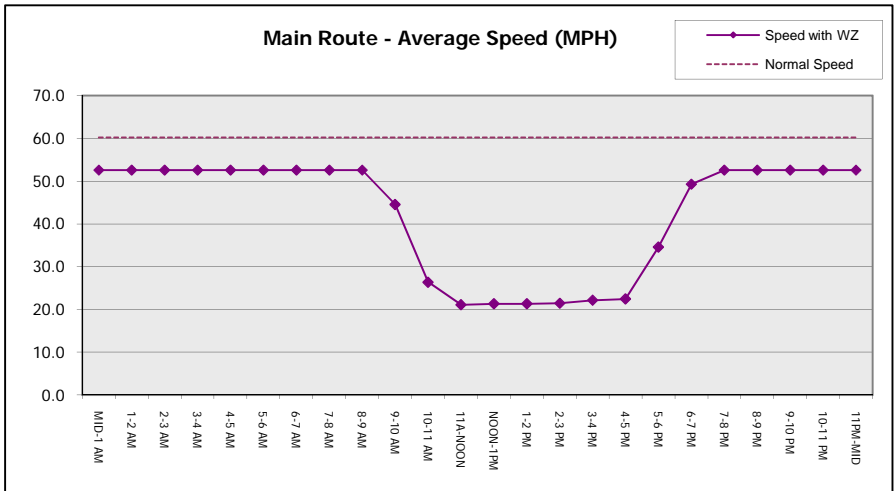
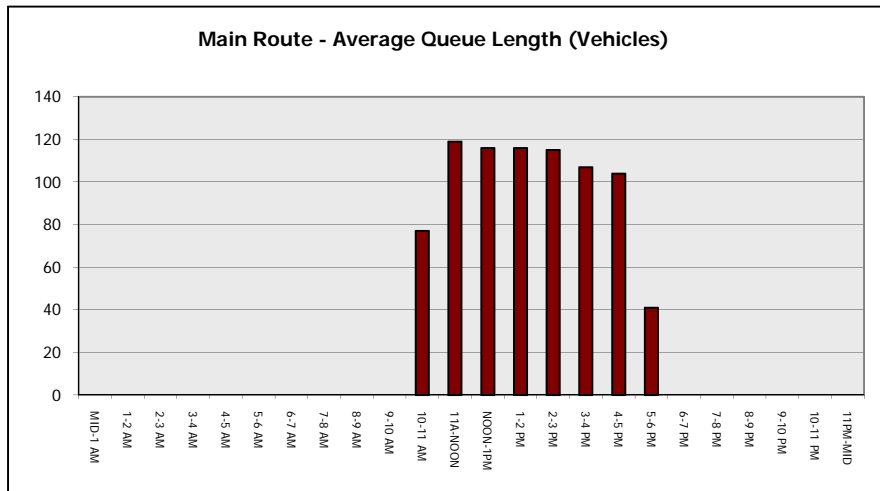
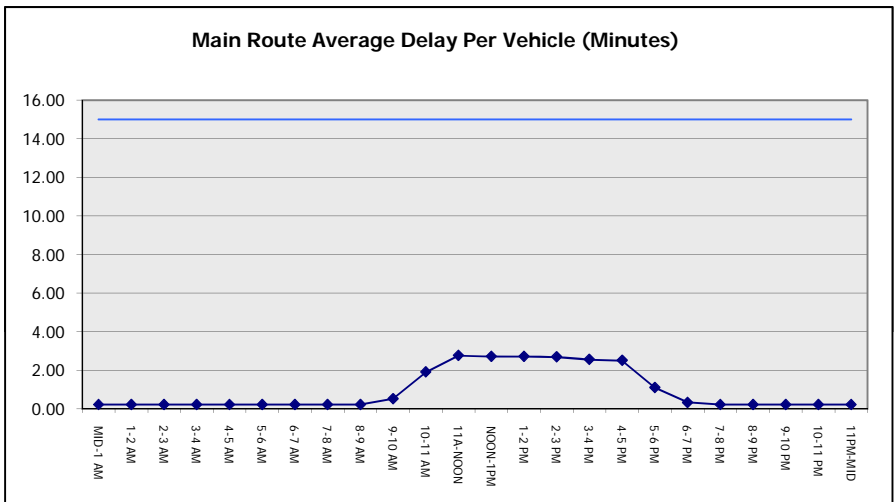
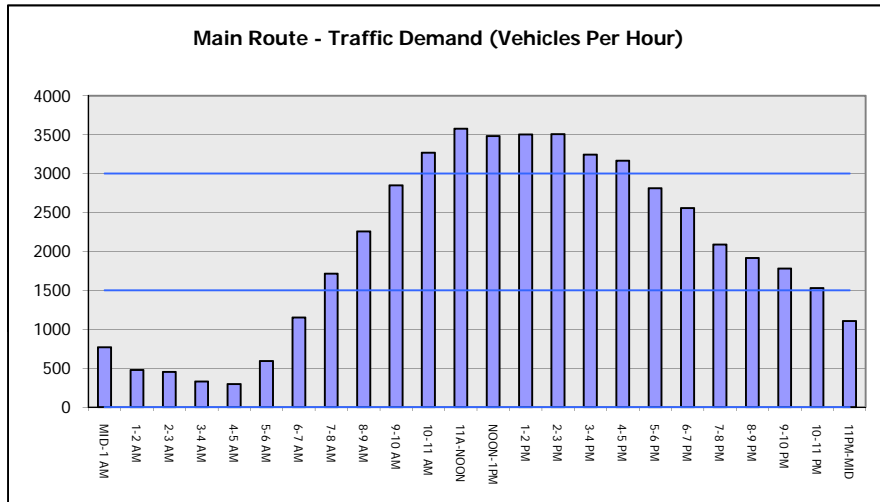
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$19,834
CONGESTED HOURS PER DAY*	0

\*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**  
**SATURDAY 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>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	705	0.0	221	0.0	3000	705	0	221	0.22	0	60.2	52.6	49.7	29.0	29.0
1-2 AM	441	0.0	232	0.0	3000	441	0	232	0.22	0	60.2	52.6	49.7	29.0	29.0
2-3 AM	395	0.0	208	0.0	3000	395	0	208	0.22	0	60.2	52.6	49.7	29.1	29.1
3-4 AM	264	0.0	198	0.0	3000	264	0	198	0.22	0	60.2	52.6	49.7	29.1	29.1
4-5 AM	297	0.0	186	0.0	3000	297	0	186	0.22	0	60.2	52.6	49.7	29.1	29.1
5-6 AM	480	0.0	186	0.0	3000	480	0	186	0.22	0	60.2	52.6	49.7	29.1	29.1
6-7 AM	1001	0.0	188	0.0	3000	1001	0	188	0.22	0	60.2	52.6	49.7	29.1	29.1
7-8 AM	1690	0.0	220	0.0	3000	1690	0	220	0.22	0	60.2	52.6	49.7	29.1	29.1
8-9 AM	2294	0.0	204	0.0	3000	2294	0	204	0.22	0	60.2	52.6	49.7	29.1	29.1
9-10 AM	2835	0.0	242	0.0	2999	2835	0	242	0.51	0	60.2	44.8	40.1	28.9	28.9
10-11 AM	3337	0.0	259	0.0	2999	3114	223	483	2.11	86	60.2	25.0	37.3	28.9	28.1
11A-NOON	3670	0.0	256	0.0	3000	3010	660	916	2.80	121	60.2	21.1	37.3	28.9	26.6
NOON-1PM	3822	0.0	246	0.0	3000	3002	820	1066	2.89	126	60.2	20.7	37.3	28.9	26.2
1-2 PM	3717	0.0	230	0.0	3000	2995	722	952	2.82	122	60.2	20.9	37.3	29.0	26.5
2-3 PM	3668	0.0	197	0.0	3000	2998	670	867	2.77	119	60.2	21.1	37.3	29.1	26.8
3-4 PM	3615	0.0	205	0.0	3000	2998	617	822	2.75	118	60.2	21.2	37.3	29.1	27.0
4-5 PM	3497	0.0	181	0.0	3000	2994	503	684	2.67	113	60.2	21.6	37.3	29.2	27.4
5-6 PM	3150	0.0	131	0.0	3000	2987	163	294	2.47	102	60.2	22.7	37.3	29.4	28.8
6-7 PM	2531	0.0	138	0.0	3000	2531	0	138	0.49	14	60.2	45.4	45.8	29.3	29.3
7-8 PM	2065	0.0	109	0.0	3000	2065	0	109	0.22	0	60.2	52.6	49.7	29.4	29.4
8-9 PM	1921	0.0	109	0.0	3000	1921	0	109	0.22	0	60.2	52.6	49.7	29.4	29.4
9-10 PM	1743	0.0	110	0.0	3000	1743	0	110	0.22	0	60.2	52.6	49.7	29.4	29.4
10-11 PM	1371	0.0	133	0.0	3000	1371	0	133	0.22	0	60.2	52.6	49.7	29.3	29.3
11PM-MID	1100	0.0	150	0.0	3000	1100	0	150	0.22	0	60.2	52.6	49.7	29.2	29.2

*----- 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	0.0118
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0237

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$23,341
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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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

