

<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>OCTOBER</b>
	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	547	0.0	29	0.0	3000	547	0	29	0.22	0	60.2	52.6	49.7	29.7	29.7
1-2 AM	305	0.0	22	0.0	3000	305	0	22	0.22	0	60.2	52.6	49.7	29.7	29.7
2-3 AM	211	0.0	17	0.0	3000	211	0	17	0.22	0	60.2	52.6	49.7	29.7	29.7
3-4 AM	194	0.0	11	0.0	3000	194	0	11	0.22	0	60.2	52.6	49.7	29.7	29.7
4-5 AM	249	0.0	22	0.0	3000	249	0	22	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	453	0.0	211	0.0	3000	453	0	211	0.22	0	60.2	52.6	49.7	29.1	29.1
6-7 AM	1456	0.0	619	0.0	3000	1456	0	619	0.22	0	60.2	52.6	49.7	27.6	27.6
7-8 AM	4146	0.0	1166	0.0	2999	3214	932	2097+	3.72	179	60.2	18.3	37.3	25.7	23.0
8-9 AM	6139	0.0	686	0.0	3000	3078	3061	3747+	5.35	287	48.9	14.6	37.3	27.4	17.8
9-10 AM	4870	0.0	418	0.0	2999	2864	2006	2423+	3.97	194	57.6	17.5	37.9	28.3	21.7
10-11 AM	3406	0.0	389	0.0	2999	2953	453	841	2.76	119	60.2	21.2	37.4	28.4	27.0
11A-NOON	3027	0.0	547	0.0	3000	2996	32	579	2.59	109	60.2	22.0	37.3	27.9	27.8
NOON-1PM	3112	0.0	758	0.0	3000	3014	97	856	2.76	119	60.2	21.2	37.3	27.1	26.8
1-2 PM	3247	0.0	621	0.0	3000	2999	247	869	2.77	119	60.2	21.1	37.3	27.6	26.8
2-3 PM	3292	0.0	525	0.0	3000	2999	293	818	2.74	118	60.2	21.2	37.3	27.9	27.0
3-4 PM	3435	0.0	561	0.0	3000	3009	426	987	2.84	123	60.2	20.9	37.3	27.8	26.5
4-5 PM	3908	0.0	599	0.0	3000	3021	887	1486+	3.17	141	60.2	19.7	37.3	27.7	24.9
5-6 PM	4367	0.0	597	0.0	3000	3014	1353	1950+	3.55	163	60.2	18.6	37.3	27.7	23.3
6-7 PM	3990	0.0	407	0.0	2999	2965	1025	1433+	3.14	140	60.2	19.9	37.3	28.4	25.0
7-8 PM	2988	0.0	262	0.0	2999	2850	138	400	1.75	76	60.2	27.7	38.8	28.9	28.4
8-9 PM	2072	0.0	203	0.0	3000	2072	0	203	0.22	0	60.2	52.6	49.7	29.1	29.1
9-10 PM	1626	0.0	168	0.0	3000	1626	0	168	0.22	0	60.2	52.6	49.7	29.2	29.2
10-11 PM	1439	0.0	98	0.0	3000	1439	0	98	0.22	0	60.2	52.6	49.7	29.4	29.4
11PM-MID	999	0.0	61	0.0	3000	999	0	61	0.22	0	60.2	52.6	49.7	29.6	29.6

+ 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	0.0142
MAIN ROUTE WITH WORKS	0.0084
DIVERSION	0.0530

PIA: Personal Injury Accidents

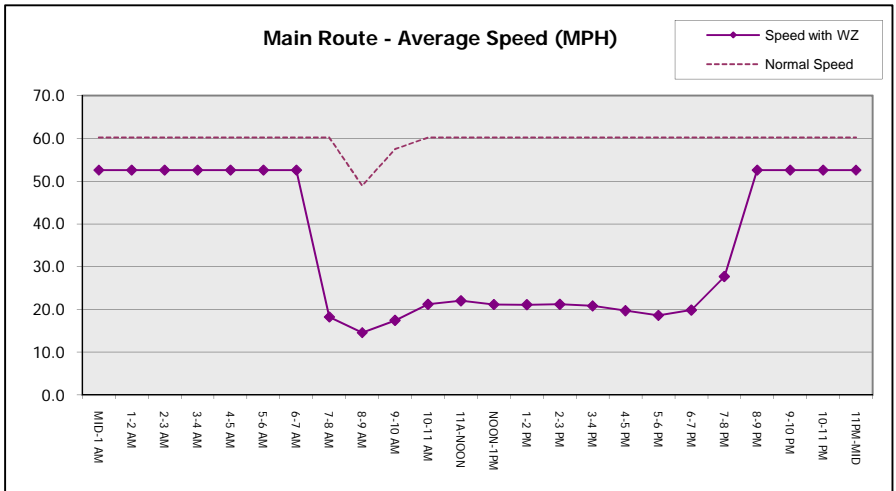
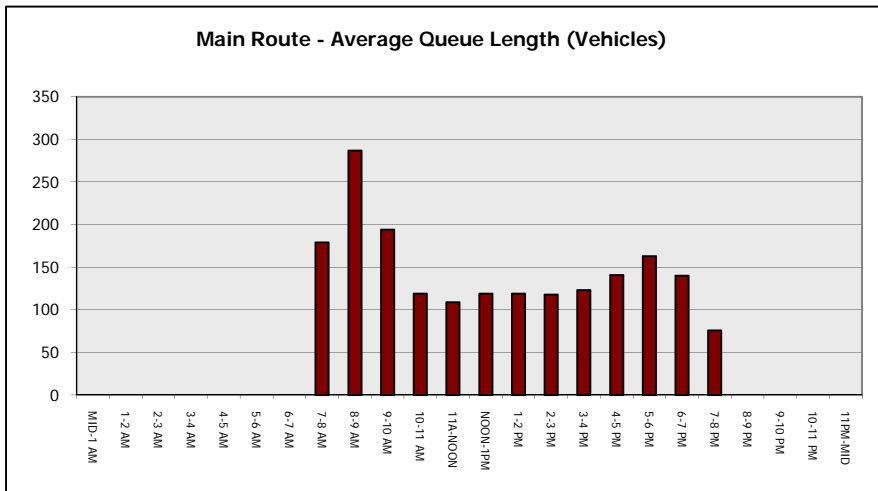
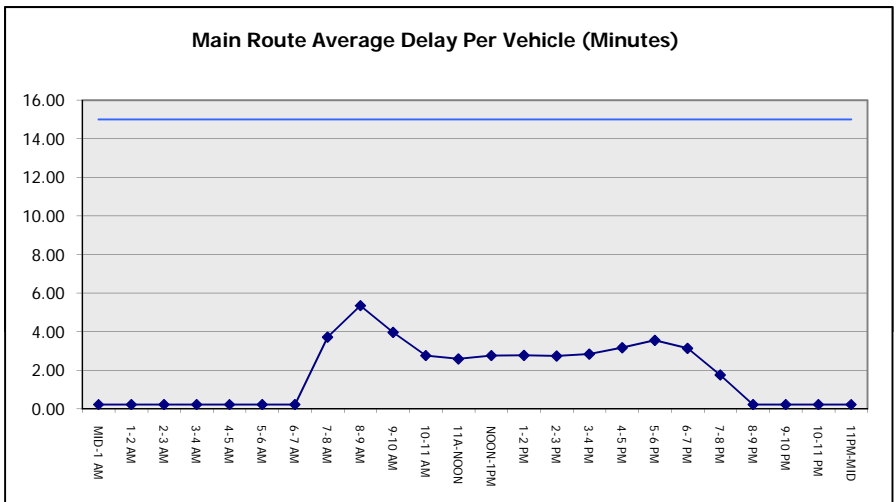
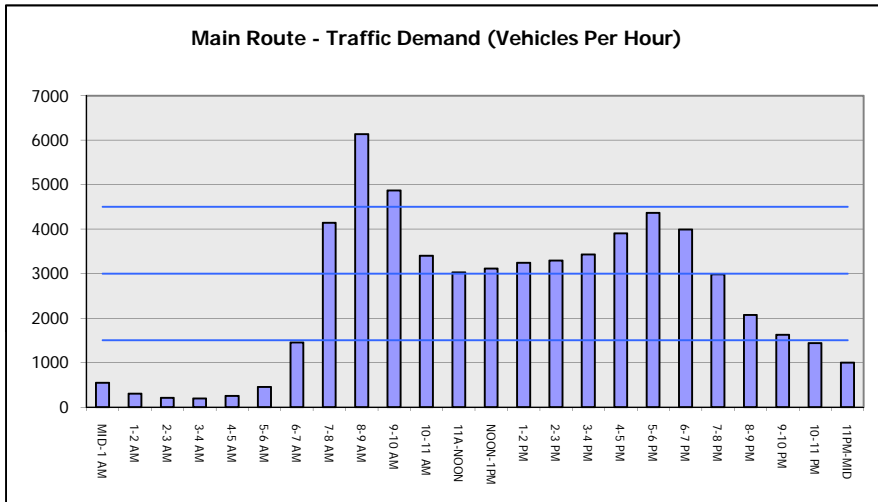
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$39,438
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: MONONA DR - CTH BW**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR 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>OCTOBER</b>
	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	575	0.0	20	0.0	3000	575	0	20	0.22	0	60.2	52.6	49.7	29.7	29.7
1-2 AM	344	0.0	22	0.0	3000	344	0	22	0.22	0	60.2	52.6	49.7	29.7	29.7
2-3 AM	212	0.0	15	0.0	3000	212	0	15	0.22	0	60.2	52.6	49.7	29.7	29.7
3-4 AM	183	0.0	7	0.0	3000	183	0	7	0.22	0	60.2	52.6	49.7	29.8	29.8
4-5 AM	223	0.0	12	0.0	3000	223	0	12	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	423	0.0	67	0.0	3000	423	0	67	0.22	0	60.2	52.6	49.7	29.6	29.6
6-7 AM	1211	0.0	143	0.0	3000	1211	0	143	0.22	0	60.2	52.6	49.7	29.3	29.3
7-8 AM	2721	0.0	286	0.0	2999	2721	0	286	0.58	14	60.2	43.5	43.5	28.8	28.8
8-9 AM	4340	0.0	289	0.0	3000	3089	1251	1540+	3.22	145	60.2	19.6	37.4	28.8	24.7
9-10 AM	3558	0.0	270	0.0	3000	2966	592	862	2.77	120	60.2	21.2	37.3	28.9	26.8
10-11 AM	2778	0.0	316	0.0	2999	2775	2	318	1.05	41	60.2	35.4	40.1	28.7	28.7
11A-NOON	2833	0.0	511	0.0	2999	2833	0	511	0.51	0	60.2	44.8	40.0	28.0	28.0
NOON-1PM	3192	0.0	601	0.0	2999	3156	36	637	1.77	72	60.2	27.5	37.3	27.7	27.6
1-2 PM	3320	0.0	481	0.0	2999	2964	355	836	2.76	119	60.2	21.2	37.5	28.1	26.9
2-3 PM	3403	0.0	481	0.0	2999	3006	397	878	2.78	120	60.2	21.1	37.3	28.1	26.8
3-4 PM	4002	0.0	748	0.0	3000	3046	956	1704+	3.34	151	60.2	19.3	37.3	27.2	24.2
4-5 PM	5161	0.0	1163	0.0	3000	3105	2056	3219+	4.83	243	55.6	15.7	37.3	25.7	19.3
5-6 PM	5984	0.0	930	0.0	3000	3015	2969	3899+	5.65	301	50.0	14.3	37.3	26.5	17.3
6-7 PM	5247	0.0	420	0.0	2999	2881	2367	2786+	4.29	215	55.0	16.6	37.6	28.3	20.6
7-8 PM	3428	0.0	261	0.0	2999	2926	502	764	2.72	118	60.2	21.5	37.6	28.9	27.2
8-9 PM	2281	0.0	194	0.0	3000	2281	0	195	0.36	9	60.2	48.4	48.1	29.1	29.1
9-10 PM	1844	0.0	138	0.0	3000	1844	0	138	0.22	0	60.2	52.6	49.7	29.3	29.3
10-11 PM	1550	0.0	105	0.0	3000	1550	0	105	0.22	0	60.2	52.6	49.7	29.4	29.4
11PM-MID	1058	0.0	51	0.0	3000	1058	0	51	0.22	0	60.2	52.6	49.7	29.6	29.6

+ 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	0.0143
MAIN ROUTE WITH WORKS	0.0083
DIVERSION	0.0505

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$37,461
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

