

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW	OCTOBER
	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	1500	547	0	29	0.40	0	60.2	47.6	43.3	29.7	29.7
1-2 AM	305	0.0	22	0.0	1500	305	0	22	0.37	0	60.2	48.4	44.3	29.7	29.7
2-3 AM	211	0.0	17	0.0	1500	211	0	17	0.35	0	60.2	48.7	44.6	29.7	29.7
3-4 AM	194	0.0	11	0.0	1500	194	0	11	0.35	0	60.2	48.7	44.7	29.7	29.7
4-5 AM	249	0.0	22	0.0	1500	249	0	22	0.36	0	60.2	48.6	44.5	29.7	29.7
5-6 AM	453	0.0	211	0.0	1500	453	0	211	0.38	0	60.2	47.9	43.7	29.1	29.1
6-7 AM	1456	0.0	619	0.0	1499	1345	111	731	1.19	24	60.2	33.5	36.3	27.6	27.3
7-8 AM	4146	0.0	1166	0.0	1499	1555	2591	3756+	5.41	119	60.2	13.2	30.8	25.7	16.7
8-9 AM	6139	0.0	686	0.0	1499	1500	4639	5325+	7.01	168	48.9	10.7	30.8	27.4	13.4
9-10 AM	4870	0.0	418	0.0	1500	1449	3421	3839+	5.46	121	57.6	13.0	31.2	28.3	16.4
10-11 AM	3406	0.0	389	0.0	1499	1467	1939	2328+	3.78	74	60.2	17.0	31.1	28.4	21.6
11A-NOON	3027	0.0	547	0.0	1500	1501	1527	2074+	3.57	68	60.2	17.8	30.8	27.9	22.5
NOON-1PM	3112	0.0	758	0.0	1500	1507	1605	2363+	3.81	74	60.2	17.0	30.8	27.1	21.5
1-2 PM	3247	0.0	621	0.0	1500	1499	1748	2369+	3.82	75	60.2	16.9	30.8	27.6	21.5
2-3 PM	3292	0.0	525	0.0	1500	1499	1793	2318+	3.77	73	60.2	17.1	30.8	27.9	21.7
3-4 PM	3435	0.0	561	0.0	1500	1506	1930	2490+	3.92	77	60.2	16.6	30.8	27.8	21.1
4-5 PM	3908	0.0	599	0.0	1500	1515	2393	2992+	4.42	90	60.2	15.2	30.8	27.7	19.3
5-6 PM	4367	0.0	597	0.0	1500	1510	2856	3453+	4.96	105	60.2	13.9	30.8	27.7	17.7
6-7 PM	3990	0.0	407	0.0	1499	1476	2514	2921+	4.34	89	60.2	15.4	30.9	28.4	19.6
7-8 PM	2988	0.0	262	0.0	1499	1474	1514	1776+	3.35	63	60.2	18.6	31.0	28.9	23.5
8-9 PM	2072	0.0	203	0.0	1499	1487	585	788	2.73	46	60.2	21.3	30.9	29.1	27.0
9-10 PM	1626	0.0	168	0.0	1500	1495	131	299	2.47	39	60.2	22.7	30.8	29.2	28.8
10-11 PM	1439	0.0	98	0.0	1500	1430	9	107	1.64	23	60.2	28.7	32.1	29.4	29.4
11PM-MID	999	0.0	61	0.0	1500	999	0	61	0.45	0	60.2	46.2	41.7	29.6	29.6

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (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	0.0142
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.1071

PIA: Personal Injury Accidents

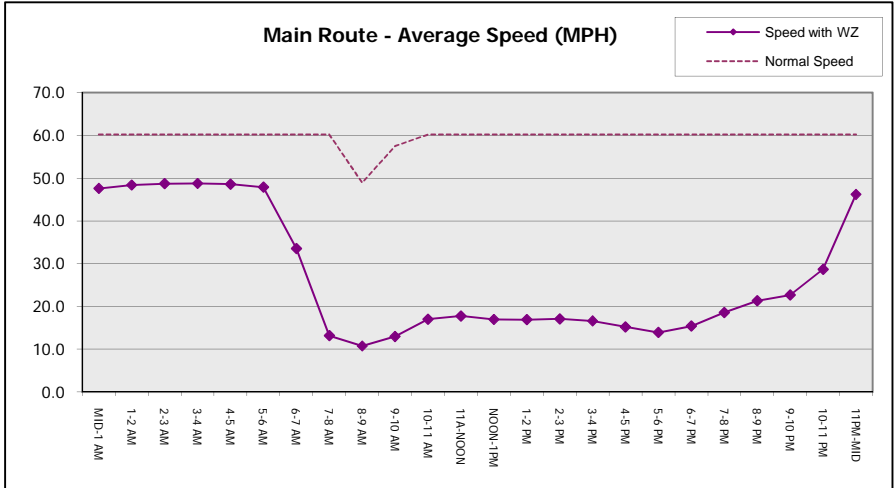
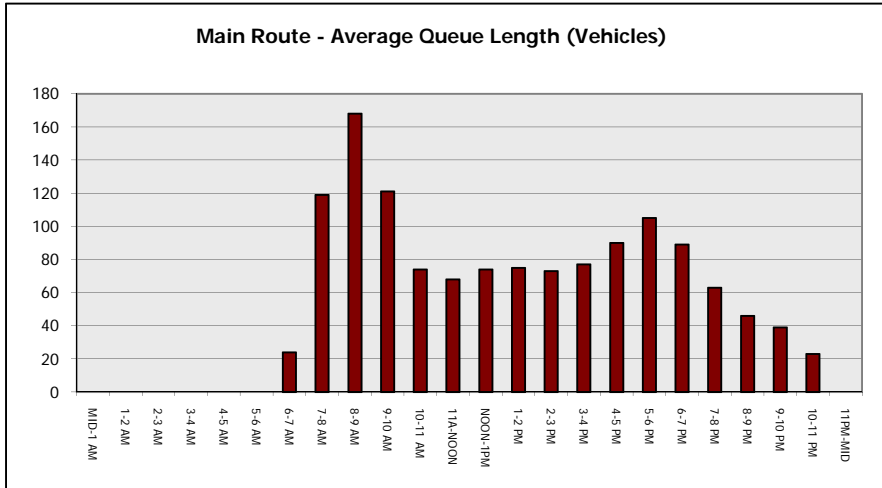
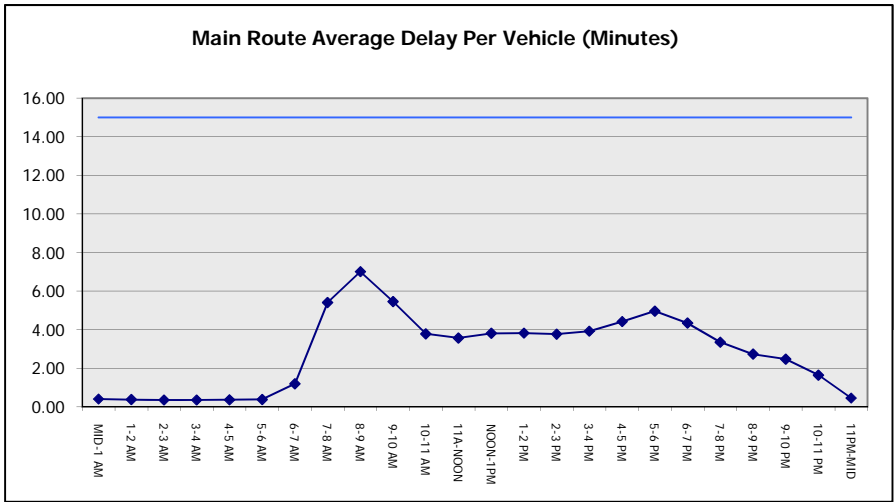
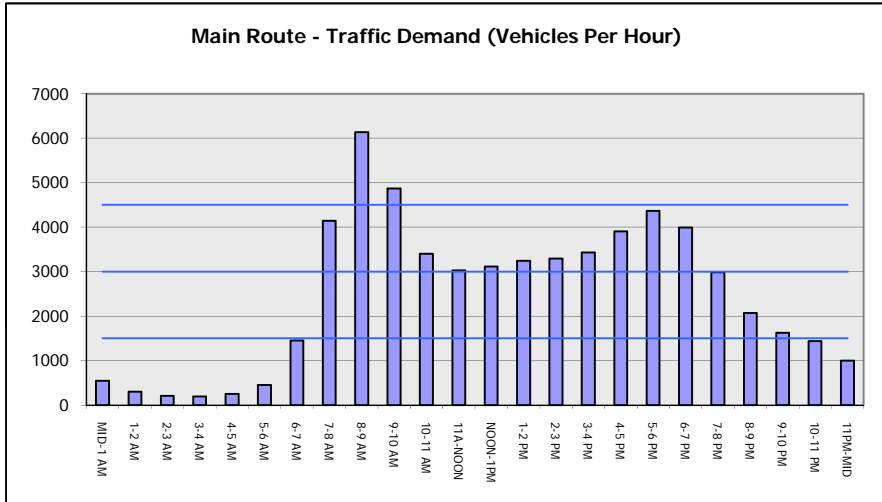
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$61,086
CONGESTED HOURS PER DAY*	0

*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**

OCTOBER
 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	OCTOBER
	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 DIVER -TING	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	1500	575	0	20	0.40	0	60.2	47.5	43.2	29.7	29.7
1-2 AM	344	0.0	22	0.0	1500	344	0	22	0.37	0	60.2	48.3	44.1	29.7	29.7
2-3 AM	212	0.0	15	0.0	1500	212	0	15	0.35	0	60.2	48.7	44.6	29.7	29.7
3-4 AM	183	0.0	7	0.0	1500	183	0	7	0.35	0	60.2	48.7	44.8	29.8	29.8
4-5 AM	223	0.0	12	0.0	1500	223	0	12	0.36	0	60.2	48.6	44.6	29.7	29.7
5-6 AM	423	0.0	67	0.0	1500	423	0	67	0.38	0	60.2	48.0	43.8	29.6	29.6
6-7 AM	1211	0.0	143	0.0	1499	1211	0	143	0.67	0	60.2	41.5	36.4	29.3	29.3
7-8 AM	2721	0.0	286	0.0	1499	1560	1161	1447+	3.12	58	60.2	19.5	31.2	28.8	24.7
8-9 AM	4340	0.0	289	0.0	1500	1538	2803	3092+	4.53	93	60.2	14.9	30.8	28.8	18.9
9-10 AM	3558	0.0	270	0.0	1499	1471	2087	2356+	3.81	75	60.2	17.0	31.1	28.9	21.5
10-11 AM	2778	0.0	316	0.0	1499	1489	1289	1605+	3.23	59	60.2	19.0	30.9	28.7	24.2
11A-NOON	2833	0.0	511	0.0	1500	1507	1325	1837+	3.39	63	60.2	18.4	30.8	28.0	23.3
NOON-1PM	3192	0.0	601	0.0	1500	1509	1683	2284+	3.74	73	60.2	17.1	30.8	27.7	21.8
1-2 PM	3320	0.0	481	0.0	1500	1499	1820	2301+	3.76	73	60.2	17.1	30.8	28.1	21.7
2-3 PM	3403	0.0	481	0.0	1500	1504	1898	2379+	3.83	75	60.2	16.9	30.8	28.1	21.4
3-4 PM	4002	0.0	748	0.0	1500	1531	2471	3219+	4.67	98	60.2	14.6	30.8	27.2	18.5
4-5 PM	5161	0.0	1163	0.0	1500	1551	3611	4773+	6.87	159	55.6	11.1	30.8	25.7	13.9
5-6 PM	5984	0.0	930	0.0	1500	1500	4484	5414+	7.05	168	50.0	10.7	30.8	26.5	13.4
6-7 PM	5247	0.0	420	0.0	1500	1454	3794	4213+	6.03	139	55.0	12.0	31.2	28.3	15.2
7-8 PM	3428	0.0	261	0.0	1499	1447	1982	2243+	3.71	73	60.2	17.3	31.4	28.9	21.9
8-9 PM	2281	0.0	194	0.0	1500	1484	796	991	2.84	49	60.2	20.7	30.9	29.1	26.3
9-10 PM	1844	0.0	138	0.0	1500	1495	349	487	2.57	42	60.2	22.1	30.8	29.3	28.1
10-11 PM	1550	0.0	105	0.0	1500	1475	76	181	2.20	32	60.2	24.3	30.9	29.4	29.2
11PM-MID	1058	0.0	51	0.0	1500	1058	0	52	0.51	0	60.2	45.0	40.5	29.6	29.6

+ 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	0.0143
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.1041

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$63,079
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**

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 Analyzed for 2009
 Construction Season

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

