

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: MONONA DR - CTH BW

MAY
 Analyzed for 2009
 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SUNDAY 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	628	0.0	57	0.0	1500	628	0	57	0.41	0	60.2	47.3	43.0	29.6	29.6
1-2 AM	422	0.0	40	0.0	1500	422	0	40	0.38	0	60.2	48.0	43.8	29.7	29.7
2-3 AM	381	0.0	43	0.0	1500	381	0	43	0.38	0	60.2	48.1	44.0	29.7	29.7
3-4 AM	239	0.0	27	0.0	1500	239	0	27	0.36	0	60.2	48.6	44.5	29.7	29.7
4-5 AM	185	0.0	13	0.0	1500	185	0	13	0.35	0	60.2	48.7	44.7	29.7	29.7
5-6 AM	323	0.0	20	0.0	1500	323	0	20	0.37	0	60.2	48.3	44.2	29.7	29.7
6-7 AM	699	0.0	56	0.0	1500	699	0	56	0.41	0	60.2	47.1	42.8	29.6	29.6
7-8 AM	781	0.0	68	0.0	1500	781	0	68	0.42	0	60.2	46.9	42.5	29.6	29.6
8-9 AM	1300	0.0	116	0.0	1499	1300	0	116	0.69	0	60.2	41.2	35.9	29.4	29.4
9-10 AM	1904	0.0	228	0.0	1499	1539	365	594	2.62	44	60.2	21.9	31.4	29.0	27.7
10-11 AM	2444	0.0	344	0.0	1500	1517	927	1270+	3.01	53	60.2	19.9	30.8	28.6	25.3
11A-NOON	2951	0.0	400	0.0	1500	1510	1441	1841+	3.40	63	60.2	18.4	30.8	28.4	23.3
NOON-1PM	3338	0.0	463	0.0	1500	1507	1831	2294+	3.75	73	60.2	17.1	30.8	28.2	21.7
1-2 PM	3138	0.0	421	0.0	1499	1494	1644	2065+	3.57	68	60.2	17.8	30.8	28.3	22.5
2-3 PM	3112	0.0	396	0.0	1500	1500	1612	2008+	3.52	67	60.2	17.9	30.8	28.4	22.7
3-4 PM	3163	0.0	367	0.0	1500	1500	1663	2030+	3.54	67	60.2	17.9	30.8	28.5	22.7
4-5 PM	3081	0.0	359	0.0	1500	1498	1583	1942+	3.47	65	60.2	18.1	30.8	28.6	23.0
5-6 PM	2985	0.0	326	0.0	1500	1497	1488	1814+	3.38	63	60.2	18.4	30.8	28.7	23.4
6-7 PM	2731	0.0	288	0.0	1500	1493	1238	1526+	3.17	58	60.2	19.3	30.8	28.8	24.5
7-8 PM	2246	0.0	248	0.0	1499	1492	754	1002	2.85	49	60.2	20.7	30.8	28.9	26.3
8-9 PM	1963	0.0	181	0.0	1500	1495	468	649	2.65	44	60.2	21.7	30.8	29.2	27.5
9-10 PM	1622	0.0	132	0.0	1500	1495	127	259	2.45	39	60.2	22.7	30.8	29.4	28.9
10-11 PM	1405	0.0	85	0.0	1500	1395	10	96	1.47	21	60.2	30.3	33.1	29.5	29.5
11PM-MID	705	0.0	60	0.0	1500	705	0	60	0.42	0	60.2	47.1	42.7	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	0.0099
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0528

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$35,409
CONGESTED HOURS PER DAY*	0

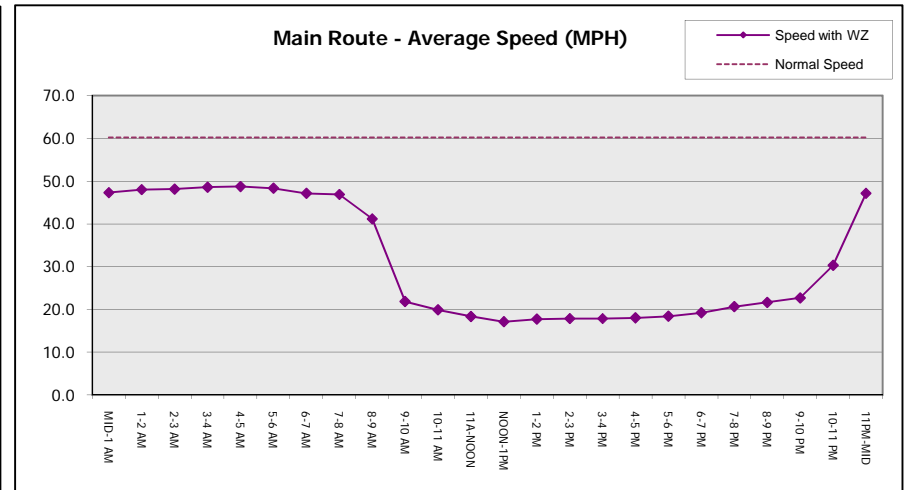
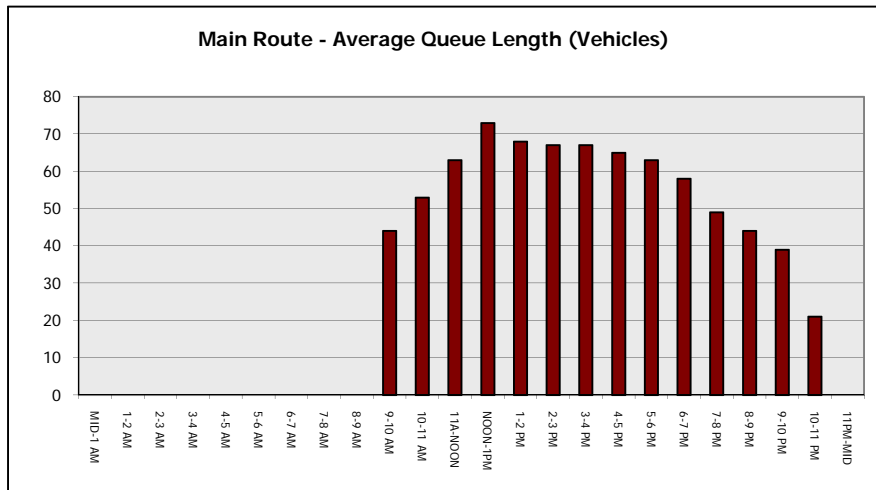
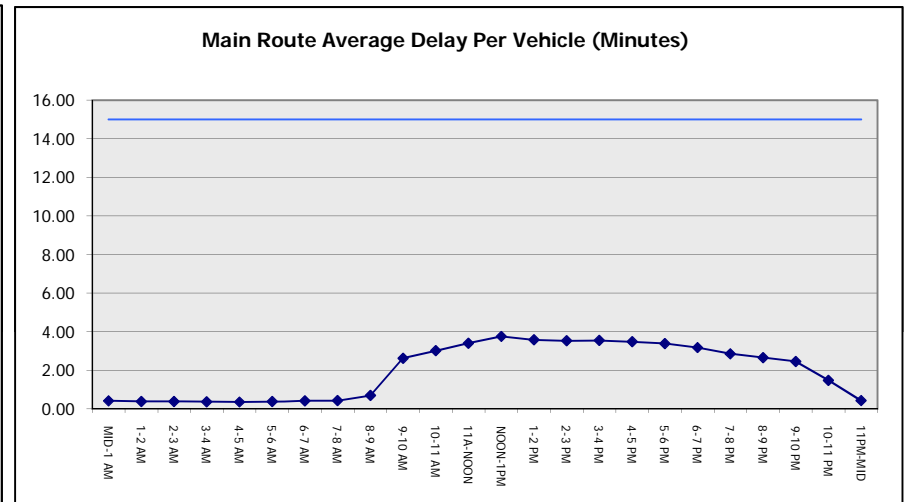
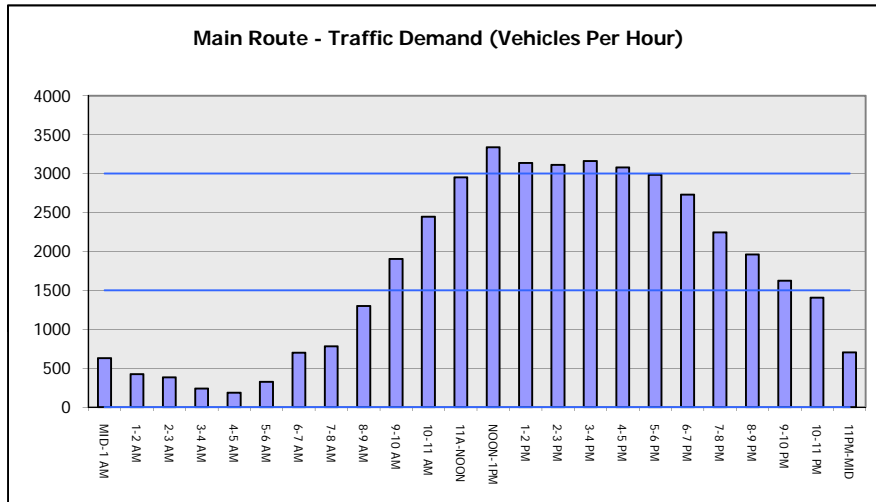
*Delays Exceeding 15 Minutes

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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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	659	0.0	54	0.0	1500	659	0	54	0.41	0	60.2	47.3	42.9	29.6	29.6
1-2 AM	428	0.0	30	0.0	1500	428	0	30	0.38	0	60.2	47.9	43.8	29.7	29.7
2-3 AM	380	0.0	39	0.0	1500	380	0	39	0.38	0	60.2	48.1	44.0	29.7	29.7
3-4 AM	217	0.0	14	0.0	1500	217	0	14	0.36	0	60.2	48.6	44.6	29.7	29.7
4-5 AM	198	0.0	10	0.0	1500	198	0	10	0.35	0	60.2	48.7	44.7	29.7	29.7
5-6 AM	296	0.0	23	0.0	1500	296	0	23	0.37	0	60.2	48.4	44.3	29.7	29.7
6-7 AM	556	0.0	36	0.0	1500	556	0	36	0.40	0	60.2	47.6	43.3	29.7	29.7
7-8 AM	988	0.0	59	0.0	1499	988	0	59	0.45	0	60.2	46.3	41.7	29.6	29.6
8-9 AM	1512	0.0	127	0.0	1499	1501	11	138	1.37	18	60.2	31.4	32.5	29.4	29.3
9-10 AM	2288	0.0	207	0.0	1499	1477	811	1018	2.86	50	60.2	20.7	31.2	29.1	26.2
10-11 AM	2799	0.0	268	0.0	1500	1508	1291	1558+	3.20	58	60.2	19.2	30.8	28.9	24.3
11A-NOON	3078	0.0	311	0.0	1499	1506	1572	1883+	3.42	64	60.2	18.3	30.8	28.7	23.2
NOON-1PM	3423	0.0	340	0.0	1500	1507	1916	2255+	3.72	72	60.2	17.2	30.8	28.6	21.9
1-2 PM	3371	0.0	350	0.0	1500	1498	1873	2223+	3.69	71	60.2	17.3	30.8	28.6	22.0
2-3 PM	3399	0.0	335	0.0	1500	1501	1898	2234+	3.70	71	60.2	17.3	30.8	28.6	22.0
3-4 PM	3536	0.0	342	0.0	1500	1503	2033	2375+	3.82	75	60.2	16.9	30.8	28.6	21.5
4-5 PM	3429	0.0	311	0.0	1500	1495	1934	2244+	3.71	72	60.2	17.3	30.8	28.7	21.9
5-6 PM	2965	0.0	250	0.0	1499	1489	1476	1726+	3.31	61	60.2	18.7	30.9	28.9	23.7
6-7 PM	2561	0.0	216	0.0	1500	1493	1068	1285+	3.02	54	60.2	19.9	30.8	29.1	25.3
7-8 PM	2167	0.0	178	0.0	1500	1493	674	852	2.76	47	60.2	21.1	30.8	29.2	26.8
8-9 PM	1690	0.0	145	0.0	1500	1493	197	342	2.50	40	60.2	22.5	30.8	29.3	28.6
9-10 PM	1237	0.0	104	0.0	1500	1237	0	104	0.74	4	60.2	40.2	37.4	29.4	29.4
10-11 PM	848	0.0	77	0.0	1500	848	0	77	0.43	0	60.2	46.7	42.2	29.6	29.6
11PM-MID	597	0.0	47	0.0	1500	597	0	47	0.40	0	60.2	47.4	43.2	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	0.0102
MAIN ROUTE WITH WORKS	0.0045
DIVERSION	0.0548

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$36,874
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
SUNDAY EASTBOUND DIRECTION

