

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

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	352	0.0	30	0.0	1500	352	0	30	0.37	0	60.2	48.2	44.1	29.7	29.7
1-2 AM	240	0.0	20	0.0	1500	240	0	20	0.36	0	60.2	48.6	44.5	29.7	29.7
2-3 AM	218	0.0	19	0.0	1500	218	0	19	0.36	0	60.2	48.6	44.6	29.7	29.7
3-4 AM	258	0.0	11	0.0	1500	258	0	11	0.36	0	60.2	48.5	44.5	29.7	29.7
4-5 AM	454	0.0	24	0.0	1500	454	0	24	0.38	0	60.2	47.9	43.7	29.7	29.7
5-6 AM	1637	0.0	201	0.0	1499	1405	232	432	1.19	22	60.2	33.5	35.8	29.1	28.3
6-7 AM	4523	0.0	566	0.0	1499	1546	2977	3543+	5.09	110	59.9	13.7	30.8	27.8	17.4
7-8 AM	5180	0.0	1032	0.0	1499	1524	3656	4688+	7.04	163	55.5	10.9	30.8	26.2	13.7
8-9 AM	3909	0.0	682	0.0	1499	1422	2487	3169+	4.62	98	60.2	14.7	31.9	27.4	18.7
9-10 AM	3082	0.0	428	0.0	1500	1481	1601	2029+	3.54	67	60.2	17.9	30.9	28.3	22.7
10-11 AM	2957	0.0	410	0.0	1500	1501	1457	1866+	3.41	64	60.2	18.3	30.8	28.4	23.2
11A-NOON	3008	0.0	552	0.0	1500	1505	1502	2054+	3.56	68	60.2	17.8	30.8	27.9	22.6
NOON-1PM	3261	0.0	749	0.0	1500	1509	1752	2501+	3.93	78	60.2	16.6	30.8	27.2	21.0
1-2 PM	3278	0.0	596	0.0	1500	1496	1782	2378+	3.82	75	60.2	16.9	30.8	27.7	21.4
2-3 PM	3395	0.0	510	0.0	1500	1502	1893	2403+	3.85	75	60.2	16.8	30.8	28.0	21.4
3-4 PM	3713	0.0	553	0.0	1500	1510	2203	2755+	4.18	84	60.2	15.8	30.8	27.9	20.1
4-5 PM	4037	0.0	618	0.0	1500	1508	2529	3147+	4.59	95	60.2	14.8	30.8	27.6	18.8
5-6 PM	3689	0.0	568	0.0	1500	1484	2205	2773+	4.19	85	60.2	15.8	30.9	27.8	20.1
6-7 PM	2897	0.0	397	0.0	1499	1478	1418	1816+	3.38	63	60.2	18.4	30.9	28.4	23.4
7-8 PM	2152	0.0	313	0.0	1499	1489	664	977	2.83	49	60.2	20.7	30.9	28.7	26.4
8-9 PM	1873	0.0	250	0.0	1500	1496	377	627	2.64	44	60.2	21.7	30.8	28.9	27.6
9-10 PM	1598	0.0	178	0.0	1500	1495	103	281	2.47	39	60.2	22.7	30.8	29.2	28.8
10-11 PM	1108	0.0	112	0.0	1500	1108	0	112	0.59	2	60.2	43.1	39.6	29.4	29.4
11PM-MID	670	0.0	67	0.0	1500	670	0	67	0.41	0	60.2	47.2	42.8	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	0.0137
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.1002

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$54,852
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

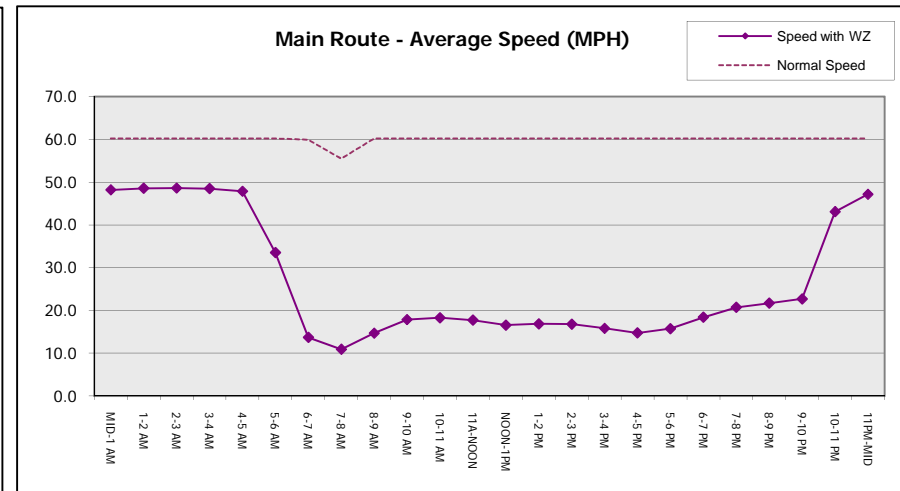
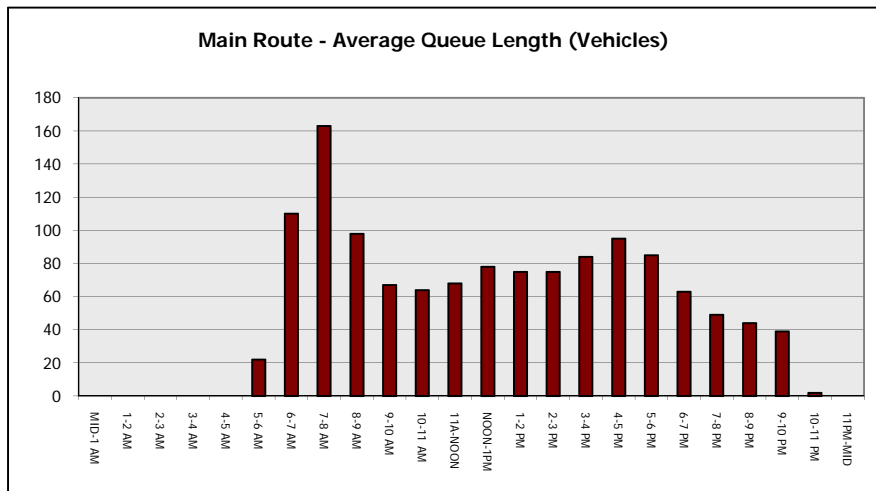
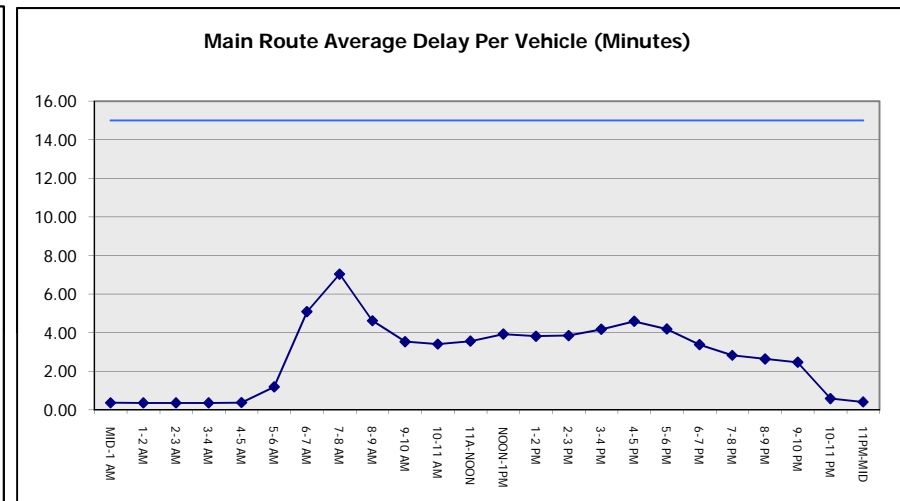
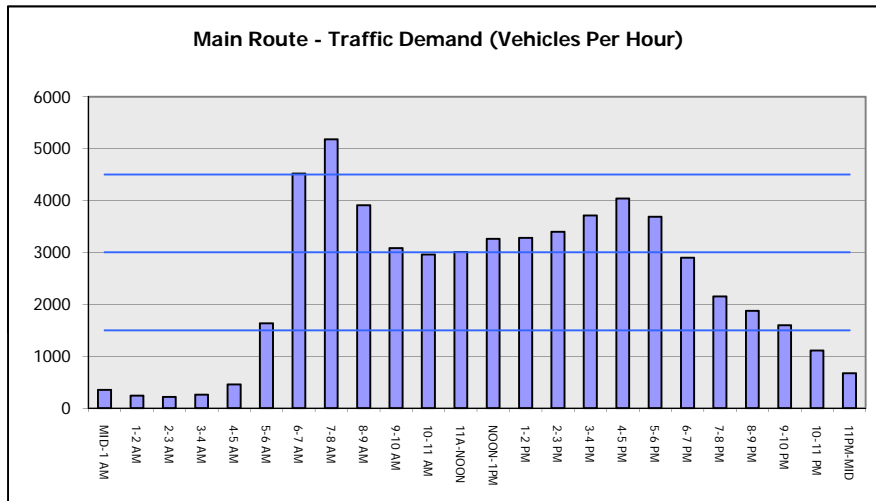
USH 12/18: VERONA RD TO USH 51 (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: MONONA DR - CTH BW

MAY

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	MAY
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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	361	0.0	25	0.0	1500	361	0	25	0.37	0	60.2	48.2	44.0	29.7	29.7
1-2 AM	244	0.0	20	0.0	1500	244	0	20	0.36	0	60.2	48.6	44.5	29.7	29.7
2-3 AM	207	0.0	12	0.0	1500	207	0	12	0.35	0	60.2	48.7	44.6	29.7	29.7
3-4 AM	213	0.0	8	0.0	1500	213	0	8	0.35	0	60.2	48.7	44.6	29.8	29.8
4-5 AM	446	0.0	16	0.0	1500	446	0	16	0.38	0	60.2	47.9	43.7	29.7	29.7
5-6 AM	1258	0.0	59	0.0	1499	1258	0	59	0.89	8	60.2	37.7	36.3	29.6	29.6
6-7 AM	2916	0.0	144	0.0	1499	1533	1383	1528+	3.17	58	60.2	19.3	30.8	29.3	24.5
7-8 AM	4091	0.0	247	0.0	1500	1523	2568	2815+	4.24	86	60.2	15.7	30.8	28.9	19.9
8-9 AM	3383	0.0	258	0.0	1499	1478	1905	2163+	3.64	70	60.2	17.5	30.9	28.9	22.2
9-10 AM	2814	0.0	278	0.0	1499	1492	1322	1600+	3.22	59	60.2	19.1	30.8	28.8	24.2
10-11 AM	2917	0.0	327	0.0	1500	1505	1412	1739+	3.32	61	60.2	18.7	30.8	28.6	23.7
11A-NOON	3279	0.0	525	0.0	1500	1512	1767	2291+	3.75	73	60.2	17.1	30.8	27.9	21.7
NOON-1PM	3422	0.0	579	0.0	1500	1503	1919	2498+	3.93	78	60.2	16.6	30.8	27.8	21.1
1-2 PM	3548	0.0	461	0.0	1500	1501	2047	2508+	3.94	78	60.2	16.5	30.8	28.2	21.0
2-3 PM	4138	0.0	479	0.0	1500	1522	2616	3096+	4.53	94	60.2	14.9	30.8	28.1	18.9
3-4 PM	5108	0.0	728	0.0	1500	1557	3550	4279+	6.18	141	56.0	11.9	30.8	27.3	15.0
4-5 PM	5654	0.0	992	0.0	1499	1500	4154	5146+	7.13	168	52.2	10.7	30.8	26.3	13.4
5-6 PM	4992	0.0	752	0.0	1500	1459	3533	4285+	6.22	142	56.8	11.9	31.2	27.1	15.0
6-7 PM	3261	0.0	386	0.0	1499	1441	1820	2206+	3.68	73	60.2	17.4	31.5	28.4	22.0
7-8 PM	2332	0.0	289	0.0	1500	1488	844	1133	2.92	51	60.2	20.4	30.9	28.8	25.8
8-9 PM	2020	0.0	230	0.0	1500	1496	524	754	2.71	45	60.2	21.4	30.8	29.0	27.1
9-10 PM	1597	0.0	166	0.0	1500	1490	107	273	2.42	38	60.2	22.9	30.8	29.2	28.9
10-11 PM	1159	0.0	102	0.0	1500	1159	0	102	0.63	2	60.2	42.4	38.8	29.4	29.4
11PM-MID	688	0.0	50	0.0	1500	688	0	50	0.41	0	60.2	47.1	42.8	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	0.0049
DIVERSION	0.1026

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$60,813
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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 Construction Season

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

