

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

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	1023	0.0	70	0.0	1500	1023	0	70	0.45	0	60.2	46.1	41.6	29.6	29.6
1-2 AM	695	0.0	48	0.0	1500	695	0	48	0.41	0	60.2	47.1	42.8	29.6	29.6
2-3 AM	431	0.0	54	0.0	1500	431	0	54	0.38	0	60.2	47.9	43.8	29.6	29.6
3-4 AM	359	0.0	35	0.0	1500	359	0	35	0.37	0	60.2	48.2	44.0	29.7	29.7
4-5 AM	246	0.0	22	0.0	1500	246	0	22	0.36	0	60.2	48.6	44.5	29.7	29.7
5-6 AM	179	0.0	19	0.0	1500	179	0	19	0.35	0	60.2	48.7	44.8	29.7	29.7
6-7 AM	265	0.0	61	0.0	1500	265	0	61	0.36	0	60.2	48.5	44.4	29.6	29.6
7-8 AM	550	0.0	75	0.0	1500	550	0	75	0.40	0	60.2	47.6	43.3	29.6	29.6
8-9 AM	674	0.0	104	0.0	1500	674	0	104	0.41	0	60.2	47.2	42.8	29.4	29.4
9-10 AM	1084	0.0	225	0.0	1499	1084	0	225	0.52	0	60.2	44.6	39.7	29.0	29.0
10-11 AM	1818	0.0	339	0.0	1499	1541	277	615	2.53	42	60.2	22.3	31.1	28.6	27.6
11A-NOON	2509	0.0	395	0.0	1500	1517	992	1387+	3.08	55	60.2	19.6	30.8	28.4	24.9
NOON-1PM	2945	0.0	436	0.0	1500	1508	1437	1874+	3.42	64	60.2	18.3	30.8	28.3	23.2
1-2 PM	3210	0.0	402	0.0	1500	1503	1707	2109+	3.60	69	60.2	17.6	30.8	28.4	22.4
2-3 PM	3035	0.0	407	0.0	1500	1496	1539	1946+	3.47	65	60.2	18.1	30.8	28.4	23.0
3-4 PM	3069	0.0	360	0.0	1500	1500	1569	1929+	3.46	65	60.2	18.1	30.8	28.6	23.0
4-5 PM	3120	0.0	336	0.0	1500	1500	1619	1956+	3.48	66	60.2	18.1	30.8	28.6	22.9
5-6 PM	3052	0.0	321	0.0	1500	1498	1554	1875+	3.42	64	60.2	18.3	30.8	28.7	23.2
6-7 PM	2908	0.0	290	0.0	1500	1496	1412	1702+	3.29	61	60.2	18.8	30.8	28.8	23.8
7-8 PM	2687	0.0	202	0.0	1500	1493	1193	1395+	3.09	55	60.2	19.6	30.8	29.1	24.9
8-9 PM	2205	0.0	146	0.0	1500	1491	713	859	2.77	47	60.2	21.1	30.8	29.3	26.8
9-10 PM	1770	0.0	102	0.0	1500	1494	277	379	2.51	40	60.2	22.4	30.8	29.4	28.5
10-11 PM	1345	0.0	70	0.0	1499	1345	0	70	1.14	13	60.2	34.1	34.1	29.6	29.6
11PM-MID	938	0.0	46	0.0	1500	938	0	46	0.44	0	60.2	46.4	41.9	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	0.0096
MAIN ROUTE WITH WORKS	0.0044
DIVERSION	0.0501

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$32,638
CONGESTED HOURS PER DAY*	0

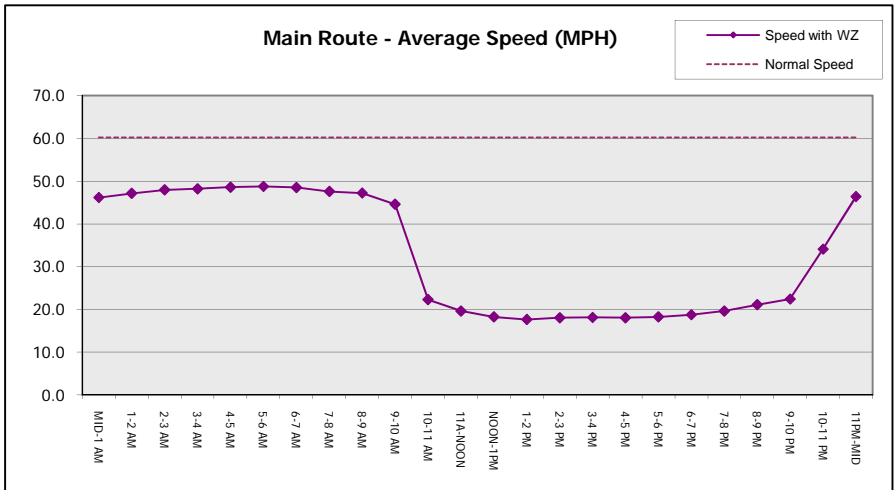
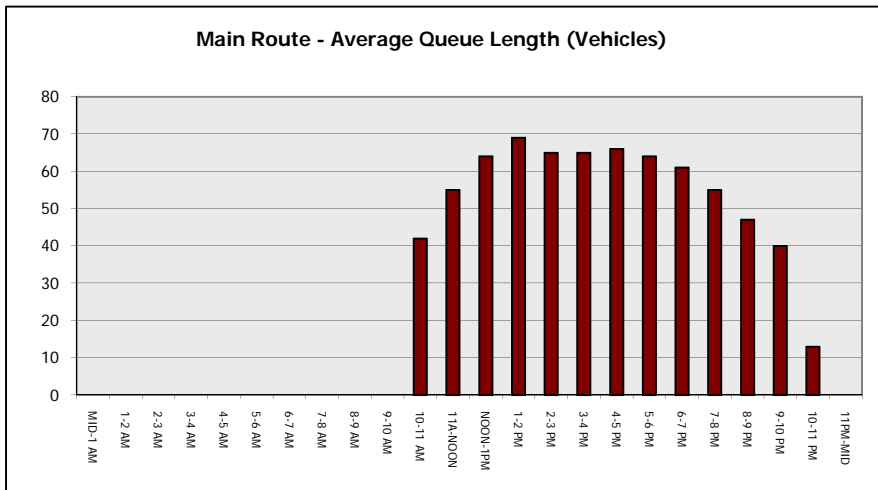
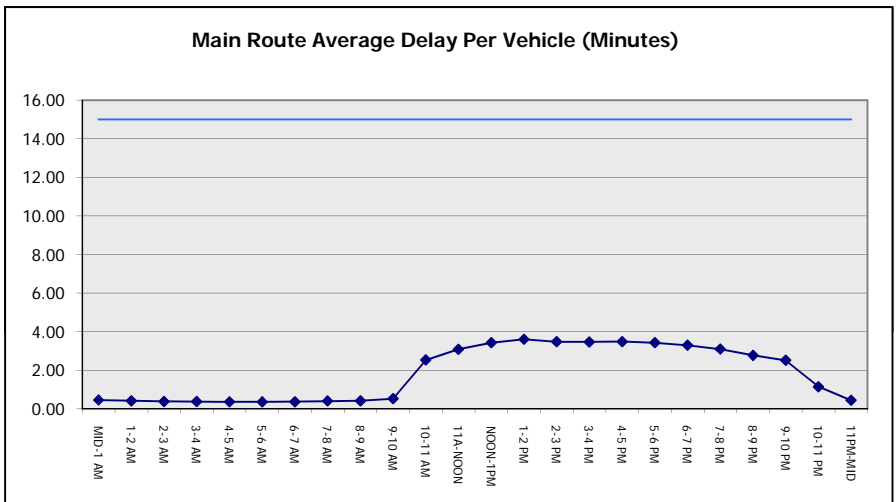
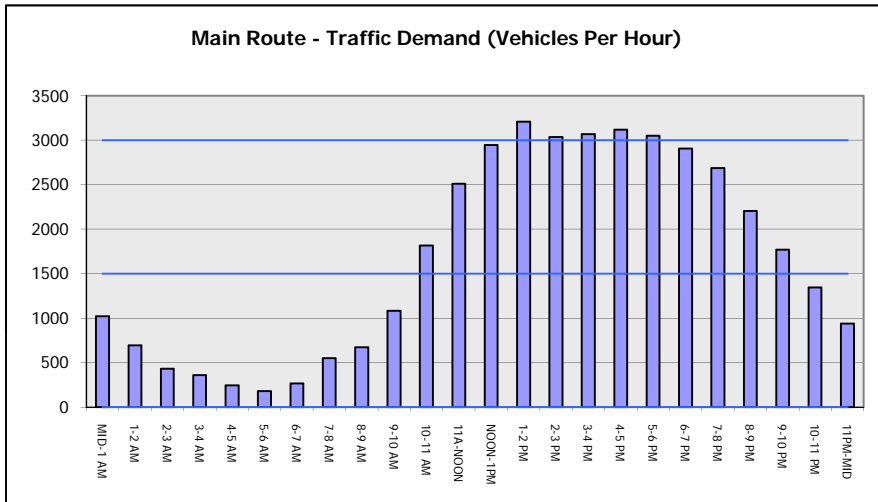
*Delays Exceeding 15 Minutes

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

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	OCTOBER
	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 DIVERTING	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	2283	0.0	57	0.0	1499	1542	740	797	2.73	47	60.2	21.3	31.4	29.6	27.0
1-2 AM	935	0.0	40	0.0	1500	935	0	40	0.54	2	60.2	44.3	41.1	29.7	29.7
2-3 AM	501	0.0	52	0.0	1500	501	0	52	0.39	0	60.2	47.8	43.5	29.6	29.6
3-4 AM	408	0.0	25	0.0	1500	408	0	25	0.38	0	60.2	48.0	43.8	29.7	29.7
4-5 AM	270	0.0	20	0.0	1500	270	0	20	0.36	0	60.2	48.5	44.4	29.7	29.7
5-6 AM	212	0.0	14	0.0	1500	212	0	14	0.35	0	60.2	48.7	44.6	29.7	29.7
6-7 AM	309	0.0	40	0.0	1500	309	0	40	0.37	0	60.2	48.4	44.3	29.7	29.7
7-8 AM	513	0.0	58	0.0	1500	513	0	58	0.39	0	60.2	47.7	43.5	29.6	29.6
8-9 AM	1066	0.0	106	0.0	1499	1066	0	106	0.51	0	60.2	44.8	40.1	29.4	29.4
9-10 AM	1653	0.0	188	0.0	1499	1573	80	268	1.54	20	60.2	29.6	30.9	29.1	28.9
10-11 AM	2414	0.0	240	0.0	1499	1475	939	1179	2.95	52	60.2	20.2	31.3	28.9	25.6
11A-NOON	2997	0.0	310	0.0	1500	1510	1487	1797+	3.36	63	60.2	18.5	30.8	28.7	23.5
NOON-1PM	3305	0.0	332	0.0	1500	1506	1800	2132+	3.62	69	60.2	17.6	30.8	28.6	22.3
1-2 PM	3459	0.0	352	0.0	1500	1503	1956	2308+	3.76	73	60.2	17.1	30.8	28.6	21.7
2-3 PM	3460	0.0	325	0.0	1500	1499	1961	2286+	3.75	73	60.2	17.1	30.8	28.7	21.8
3-4 PM	3517	0.0	343	0.0	1500	1502	2014	2357+	3.81	74	60.2	17.0	30.8	28.6	21.5
4-5 PM	3713	0.0	299	0.0	1500	1503	2211	2510+	3.94	78	60.2	16.5	30.8	28.8	21.0
5-6 PM	3455	0.0	280	0.0	1500	1492	1963	2243+	3.71	72	60.2	17.3	30.8	28.8	21.9
6-7 PM	2985	0.0	205	0.0	1499	1489	1496	1701+	3.29	61	60.2	18.8	30.9	29.1	23.8
7-8 PM	2526	0.0	145	0.0	1500	1491	1035	1180	2.95	52	60.2	20.2	30.8	29.3	25.6
8-9 PM	1967	0.0	108	0.0	1500	1491	476	584	2.62	43	60.2	21.9	30.8	29.4	27.8
9-10 PM	1433	0.0	80	0.0	1500	1404	29	109	1.52	22	60.2	29.8	32.8	29.5	29.4
10-11 PM	1025	0.0	54	0.0	1500	1025	0	54	0.45	0	60.2	46.1	41.6	29.6	29.6
11PM-MID	732	0.0	35	0.0	1500	732	0	35	0.42	0	60.2	47.0	42.7	29.7	29.7

+ 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	0.0108
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0582

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$39,489
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
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

