

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW	AUGUST
	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	774	0.0	211	0.0	1500	774	0	211	0.42	0	60.2	46.9	42.5	29.1	29.1
1-2 AM	528	0.0	224	0.0	1500	528	0	224	0.39	0	60.2	47.6	43.4	29.0	29.0
2-3 AM	506	0.0	232	0.0	1500	506	0	232	0.39	0	60.2	47.7	43.5	29.0	29.0
3-4 AM	320	0.0	206	0.0	1500	320	0	206	0.37	0	60.2	48.3	44.2	29.1	29.1
4-5 AM	436	0.0	193	0.0	1500	436	0	193	0.38	0	60.2	47.9	43.8	29.1	29.1
5-6 AM	324	0.0	186	0.0	1500	324	0	186	0.37	0	60.2	48.3	44.2	29.1	29.1
6-7 AM	581	0.0	205	0.0	1500	581	0	205	0.40	0	60.2	47.5	43.2	29.1	29.1
7-8 AM	727	0.0	177	0.0	1500	727	0	177	0.42	0	60.2	47.1	42.7	29.2	29.2
8-9 AM	1090	0.0	181	0.0	1499	1090	0	181	0.52	0	60.2	44.6	39.9	29.2	29.2
9-10 AM	1739	0.0	202	0.0	1499	1555	183	385	1.92	27	60.2	26.3	30.8	29.1	28.4
10-11 AM	2608	0.0	233	0.0	1499	1502	1106	1339+	3.05	54	60.2	19.7	30.8	29.0	25.1
11A-NOON	2930	0.0	359	0.0	1500	1508	1422	1781+	3.35	62	60.2	18.6	30.8	28.6	23.5
NOON-1PM	3330	0.0	545	0.0	1500	1511	1819	2365+	3.81	74	60.2	17.0	30.8	27.9	21.5
1-2 PM	3341	0.0	231	0.0	1499	1492	1849	2080+	3.58	68	60.2	17.7	30.8	29.0	22.5
2-3 PM	3432	0.0	186	0.0	1500	1501	1931	2117+	3.61	69	60.2	17.6	30.8	29.1	22.4
3-4 PM	3262	0.0	193	0.0	1500	1496	1766	1959+	3.48	66	60.2	18.1	30.8	29.1	22.9
4-5 PM	3135	0.0	167	0.0	1500	1497	1638	1805+	3.37	63	60.2	18.5	30.8	29.2	23.5
5-6 PM	2982	0.0	173	0.0	1500	1497	1485	1658+	3.26	60	60.2	18.9	30.8	29.2	24.0
6-7 PM	2749	0.0	173	0.0	1500	1496	1254	1427+	3.11	56	60.2	19.5	30.8	29.2	24.8
7-8 PM	2304	0.0	384	0.0	1500	1496	807	1191	2.96	52	60.2	20.2	30.8	28.4	25.6
8-9 PM	2046	0.0	551	0.0	1500	1498	548	1099	2.90	50	60.2	20.4	30.8	27.9	26.0
9-10 PM	1686	0.0	452	0.0	1499	1492	195	646	2.65	44	60.2	21.7	30.8	28.2	27.5
10-11 PM	1167	0.0	257	0.0	1500	1167	0	257	0.67	4	60.2	41.5	38.5	28.9	28.9
11PM-MID	727	0.0	223	0.0	1500	727	0	223	0.42	0	60.2	47.1	42.7	29.0	29.0

+ 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	0.0102
MAIN ROUTE WITH WORKS	0.0046
DIVERSION	0.0589

PIA: Personal Injury Accidents

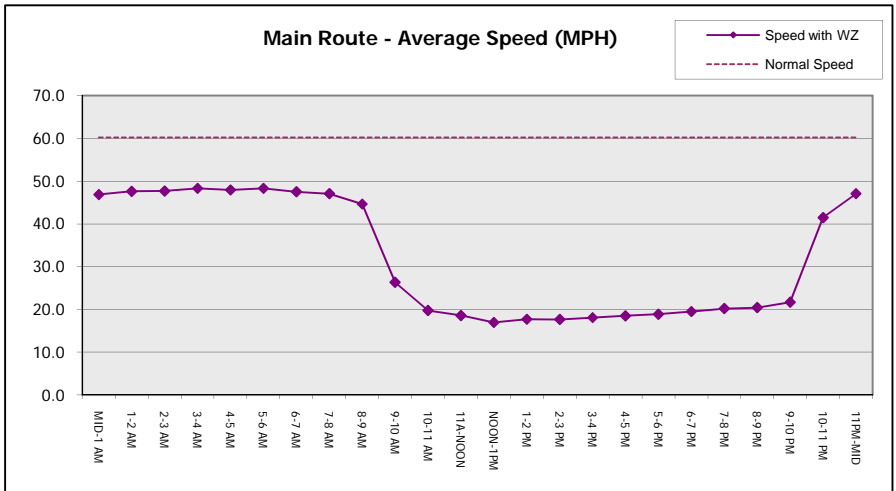
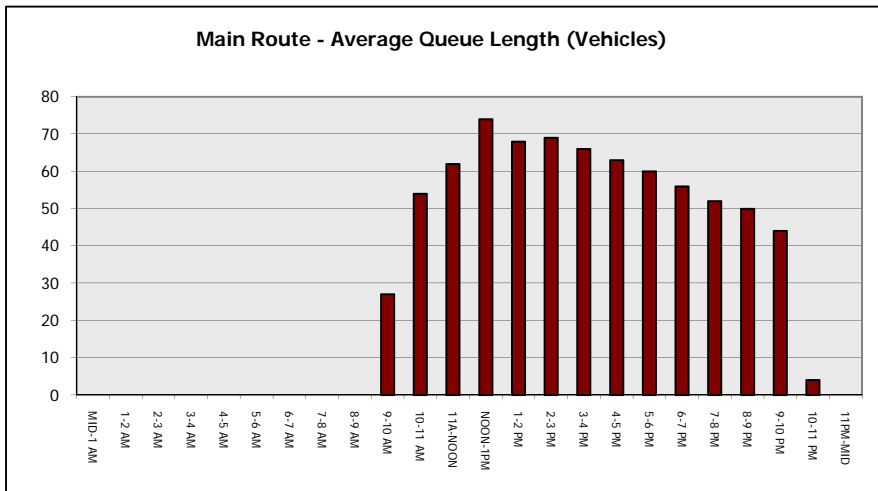
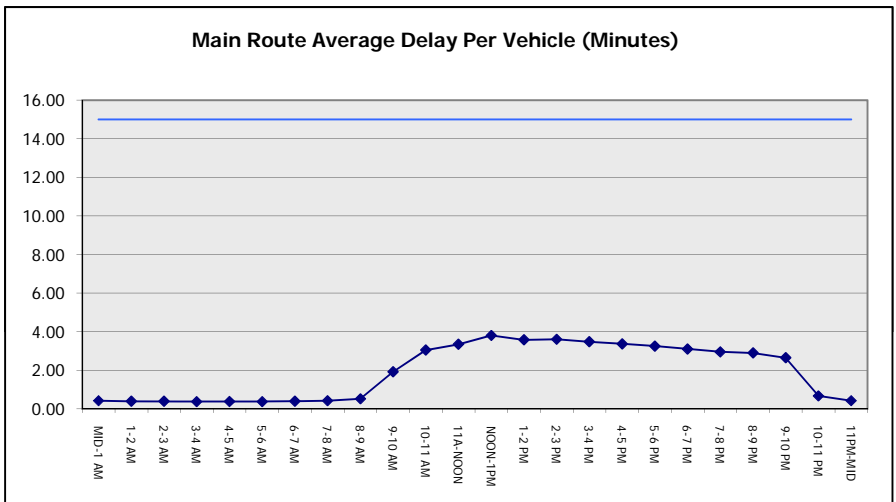
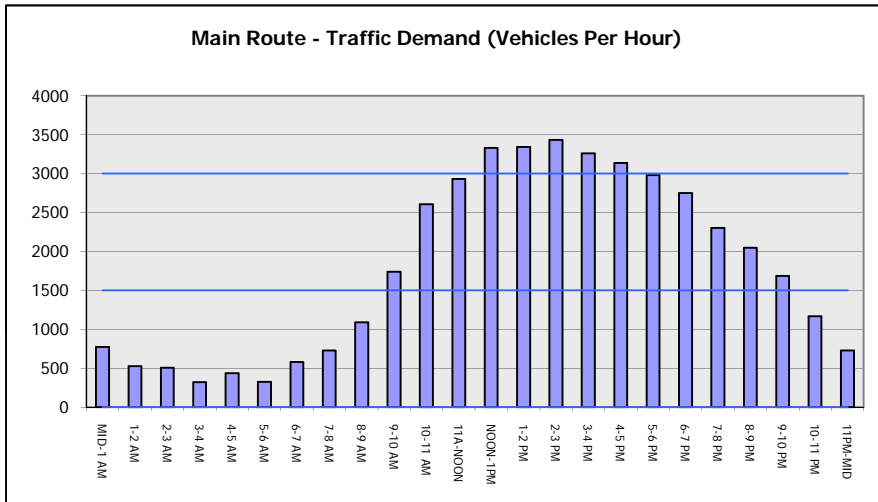
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$35,509
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 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	AUGUST Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	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	720	0.0	160	0.0	1500	720	0	160	0.42	0	60.2	47.1	42.7	29.2	29.2
1-2 AM	436	0.0	188	0.0	1500	436	0	188	0.38	0	60.2	47.9	43.8	29.1	29.1
2-3 AM	359	0.0	177	0.0	1500	359	0	177	0.37	0	60.2	48.2	44.0	29.2	29.2
3-4 AM	234	0.0	182	0.0	1500	234	0	182	0.36	0	60.2	48.6	44.5	29.2	29.2
4-5 AM	226	0.0	181	0.0	1500	226	0	181	0.36	0	60.2	48.6	44.6	29.2	29.2
5-6 AM	283	0.0	143	0.0	1500	283	0	143	0.36	0	60.2	48.4	44.3	29.3	29.3
6-7 AM	549	0.0	164	0.0	1500	549	0	164	0.40	0	60.2	47.6	43.3	29.2	29.2
7-8 AM	943	0.0	149	0.0	1499	943	0	149	0.44	0	60.2	46.4	41.9	29.3	29.3
8-9 AM	1483	0.0	151	0.0	1499	1483	0	151	1.33	18	60.2	31.9	32.9	29.2	29.2
9-10 AM	2257	0.0	158	0.0	1499	1478	780	938	2.81	49	60.2	20.9	31.2	29.2	26.5
10-11 AM	2911	0.0	179	0.0	1499	1510	1402	1581+	3.21	59	60.2	19.1	30.8	29.2	24.3
11A-NOON	3141	0.0	192	0.0	1500	1503	1637	1830+	3.39	63	60.2	18.4	30.8	29.1	23.3
NOON-1PM	3253	0.0	208	0.0	1500	1502	1750	1958+	3.48	66	60.2	18.1	30.8	29.1	22.9
1-2 PM	3448	0.0	174	0.0	1500	1503	1945	2119+	3.61	69	60.2	17.6	30.8	29.2	22.4
2-3 PM	3468	0.0	168	0.0	1500	1501	1967	2135+	3.62	69	60.2	17.6	30.8	29.2	22.3
3-4 PM	3713	0.0	169	0.0	1500	1505	2208	2376+	3.82	75	60.2	16.9	30.8	29.2	21.4
4-5 PM	3657	0.0	154	0.0	1500	1497	2161	2315+	3.77	73	60.2	17.1	30.8	29.2	21.7
5-6 PM	3227	0.0	126	0.0	1499	1489	1738	1864+	3.41	64	60.2	18.3	30.8	29.4	23.3
6-7 PM	2666	0.0	130	0.0	1499	1491	1176	1305+	3.03	54	60.2	19.9	30.8	29.4	25.2
7-8 PM	2273	0.0	133	0.0	1500	1495	778	911	2.79	48	60.2	20.9	30.8	29.3	26.6
8-9 PM	1923	0.0	185	0.0	1500	1495	427	613	2.63	43	60.2	21.8	30.8	29.2	27.6
9-10 PM	1494	0.0	181	0.0	1500	1431	62	244	1.72	25	60.2	28.0	32.0	29.2	28.9
10-11 PM	917	0.0	160	0.0	1500	917	0	160	0.44	0	60.2	46.5	42.0	29.2	29.2
11PM-MID	627	0.0	152	0.0	1500	627	0	152	0.41	0	60.2	47.3	43.0	29.2	29.2

+ 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	0.0105
MAIN ROUTE WITH WORKS	0.0045
DIVERSION	0.0584

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$38,178
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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

