

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

FRIDAY 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	736	0.0	42	0.0	1500	736	0	42	0.42	0	60.2	47.0	42.6	29.7	29.7
1-2 AM	380	0.0	26	0.0	1500	380	0	26	0.38	0	60.2	48.1	44.0	29.7	29.7
2-3 AM	285	0.0	20	0.0	1500	285	0	20	0.36	0	60.2	48.4	44.3	29.7	29.7
3-4 AM	237	0.0	14	0.0	1500	237	0	14	0.36	0	60.2	48.6	44.5	29.7	29.7
4-5 AM	273	0.0	27	0.0	1500	273	0	27	0.36	0	60.2	48.4	44.4	29.7	29.7
5-6 AM	457	0.0	198	0.0	1500	457	0	198	0.38	0	60.2	47.9	43.7	29.1	29.1
6-7 AM	1351	0.0	599	0.0	1499	1308	44	642	1.16	23	60.2	33.8	36.3	27.7	27.6
7-8 AM	3825	0.0	1014	0.0	1499	1533	2292	3305+	4.78	102	60.2	14.3	30.8	26.3	18.2
8-9 AM	5794	0.0	644	0.0	1499	1545	4249	4894+	7.02	167	51.3	10.8	30.8	27.6	13.5
9-10 AM	4718	0.0	439	0.0	1499	1430	3288	3727+	5.31	117	58.6	13.2	31.5	28.3	16.8
10-11 AM	3525	0.0	463	0.0	1499	1474	2051	2514+	3.95	78	60.2	16.5	31.0	28.2	21.0
11A-NOON	3332	0.0	593	0.0	1500	1503	1829	2421+	3.86	76	60.2	16.8	30.8	27.7	21.3
NOON-1PM	3552	0.0	812	0.0	1500	1512	2040	2852+	4.27	87	60.2	15.6	30.8	27.0	19.8
1-2 PM	3851	0.0	654	0.0	1500	1503	2349	3003+	4.43	91	60.2	15.2	30.8	27.5	19.3
2-3 PM	3937	0.0	575	0.0	1500	1500	2436	3011+	4.44	91	60.2	15.2	30.8	27.8	19.3
3-4 PM	4129	0.0	567	0.0	1500	1507	2622	3189+	4.64	96	60.2	14.7	30.8	27.8	18.6
4-5 PM	4536	0.0	655	0.0	1500	1517	3019	3675+	5.25	113	59.9	13.3	30.8	27.5	16.9
5-6 PM	4650	0.0	607	0.0	1500	1498	3152	3759+	5.35	116	59.1	13.1	30.8	27.7	16.6
6-7 PM	4328	0.0	435	0.0	1500	1480	2848	3284+	4.75	99	60.2	14.4	30.9	28.3	18.3
7-8 PM	3697	0.0	309	0.0	1500	1478	2219	2528+	3.96	79	60.2	16.5	30.9	28.8	20.9
8-9 PM	2689	0.0	244	0.0	1499	1481	1208	1452+	3.12	57	60.2	19.4	30.9	28.9	24.7
9-10 PM	2167	0.0	193	0.0	1500	1493	674	867	2.77	47	60.2	21.1	30.8	29.1	26.8
10-11 PM	1887	0.0	141	0.0	1500	1496	391	532	2.59	42	60.2	22.0	30.8	29.3	27.9
11PM-MID	1519	0.0	93	0.0	1500	1436	83	176	1.74	25	60.2	27.8	31.9	29.5	29.2

+ 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	0.0157
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.1226

PIA: Personal Injury Accidents

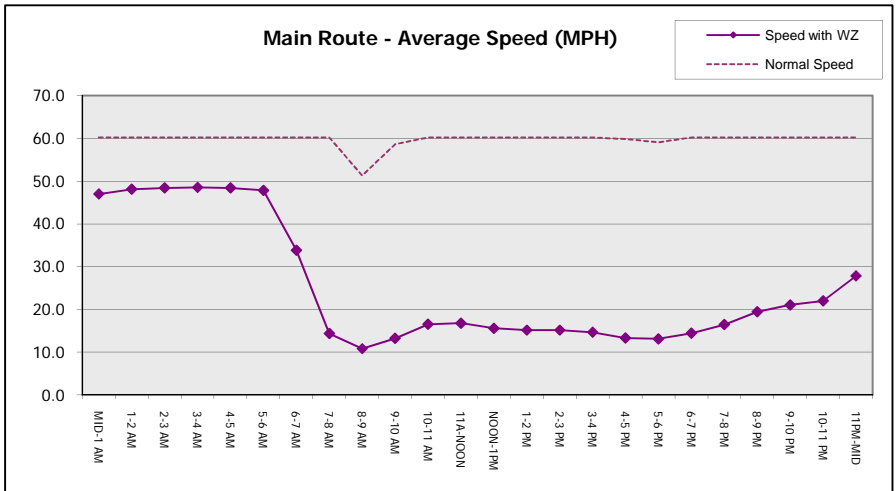
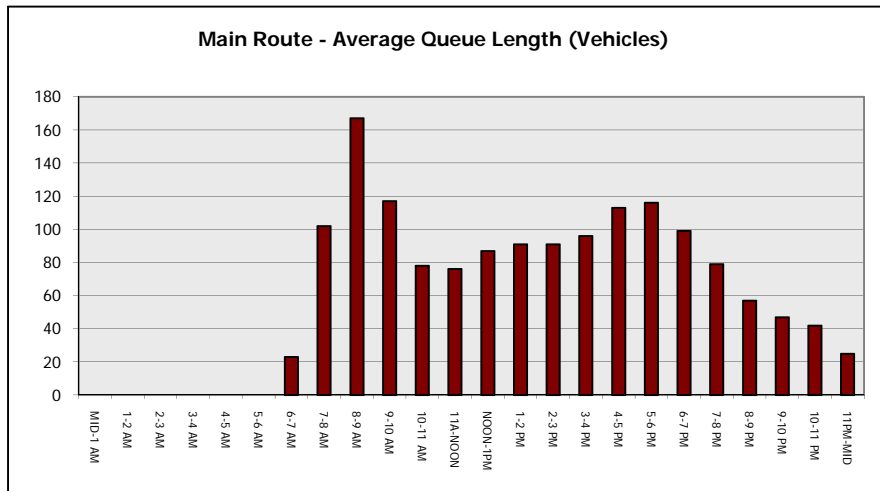
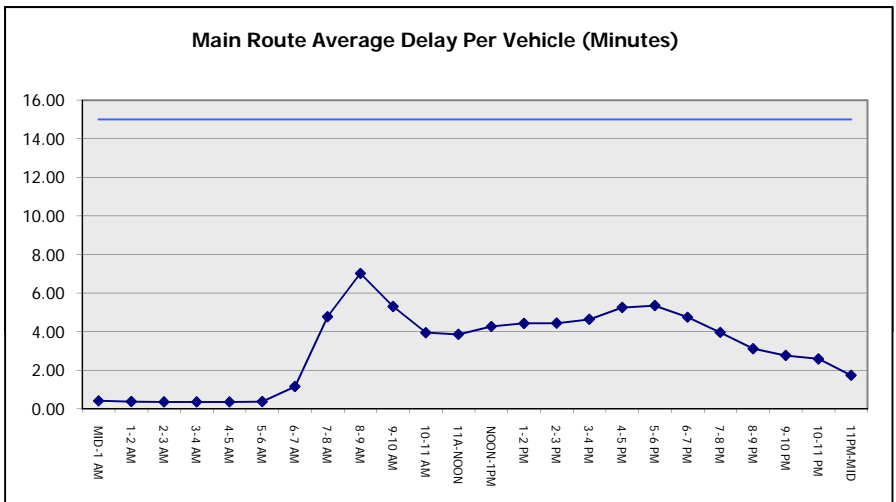
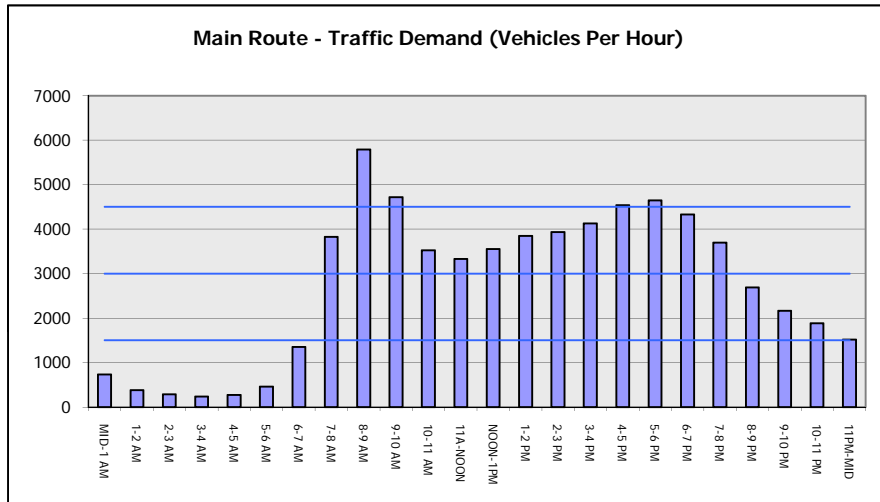
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$73,130
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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	
FRIDAY	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		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	729	0.0	33	0.0	1500	729	0	33	0.42	0	60.2	47.0	42.7	29.7	29.7
1-2 AM	460	0.0	27	0.0	1500	460	0	27	0.39	0	60.2	47.9	43.7	29.7	29.7
2-3 AM	272	0.0	22	0.0	1500	272	0	22	0.36	0	60.2	48.4	44.4	29.7	29.7
3-4 AM	250	0.0	7	0.0	1500	250	0	7	0.36	0	60.2	48.6	44.5	29.8	29.8
4-5 AM	253	0.0	14	0.0	1500	253	0	14	0.36	0	60.2	48.5	44.5	29.7	29.7
5-6 AM	413	0.0	59	0.0	1500	413	0	59	0.38	0	60.2	48.0	43.8	29.6	29.6
6-7 AM	1113	0.0	143	0.0	1499	1113	0	143	0.60	0	60.2	42.9	37.9	29.3	29.3
7-8 AM	2475	0.0	254	0.0	1499	1554	921	1175	2.95	53	60.2	20.2	31.2	28.9	25.7
8-9 AM	3983	0.0	279	0.0	1500	1534	2449	2728+	4.15	83	60.2	15.9	30.8	28.8	20.2
9-10 AM	3393	0.0	294	0.0	1499	1481	1912	2206+	3.68	71	60.2	17.4	30.9	28.8	22.0
10-11 AM	2881	0.0	404	0.0	1499	1494	1387	1791+	3.36	63	60.2	18.5	30.8	28.4	23.5
11A-NOON	3136	0.0	627	0.0	1500	1513	1623	2250+	3.72	72	60.2	17.3	30.8	27.6	21.9
NOON-1PM	3687	0.0	651	0.0	1500	1514	2173	2824+	4.24	86	60.2	15.6	30.8	27.5	19.9
1-2 PM	4033	0.0	567	0.0	1500	1507	2526	3093+	4.53	93	60.2	14.9	30.8	27.8	18.9
2-3 PM	4311	0.0	577	0.0	1500	1512	2799	3376+	4.86	102	60.2	14.2	30.8	27.8	17.9
3-4 PM	4903	0.0	805	0.0	1500	1542	3362	4167+	6.00	135	57.4	12.1	30.8	27.0	15.3
4-5 PM	5612	0.0	1019	0.0	1499	1506	4105	5124+	7.13	168	52.5	10.7	30.8	26.2	13.5
5-6 PM	5598	0.0	736	0.0	1500	1508	4090	4826+	7.02	165	52.6	10.9	30.8	27.2	13.6
6-7 PM	5029	0.0	401	0.0	1499	1447	3583	3984+	5.66	127	56.5	12.5	31.1	28.4	15.9
7-8 PM	3766	0.0	287	0.0	1500	1459	2307	2594+	4.02	81	60.2	16.3	31.2	28.8	20.7
8-9 PM	2474	0.0	226	0.0	1500	1479	995	1221+	2.98	53	60.2	20.1	30.9	29.0	25.5
9-10 PM	2090	0.0	176	0.0	1500	1496	594	770	2.72	46	60.2	21.4	30.8	29.2	27.1
10-11 PM	1887	0.0	114	0.0	1500	1496	391	505	2.58	42	60.2	22.1	30.8	29.4	28.0
11PM-MID	1504	0.0	76	0.0	1500	1427	76	152	1.67	24	60.2	28.4	32.2	29.6	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	0.0153
MAIN ROUTE WITH WORKS	0.0050
DIVERSION	0.1145

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$72,857
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 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
FRIDAY EASTBOUND DIRECTION

