

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1021	0.0	63	0.0	3000	1021	0	63	0.22	0	60.2	52.6	49.7	29.6	29.6
1-2 AM	590	0.0	50	0.0	3000	590	0	50	0.22	0	60.2	52.6	49.7	29.6	29.6
2-3 AM	404	0.0	37	0.0	3000	404	0	37	0.22	0	60.2	52.6	49.7	29.7	29.7
3-4 AM	340	0.0	25	0.0	3000	340	0	25	0.22	0	60.2	52.6	49.7	29.7	29.7
4-5 AM	276	0.0	20	0.0	3000	276	0	20	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	294	0.0	32	0.0	3000	294	0	32	0.22	0	60.2	52.6	49.7	29.7	29.7
6-7 AM	490	0.0	148	0.0	3000	490	0	148	0.22	0	60.2	52.6	49.7	29.3	29.3
7-8 AM	1014	0.0	165	0.0	3000	1014	0	165	0.22	0	60.2	52.6	49.7	29.2	29.2
8-9 AM	1838	0.0	245	0.0	2999	1838	0	245	0.22	0	60.2	52.6	49.7	28.9	28.9
9-10 AM	2887	0.0	500	0.0	2999	2887	0	500	0.72	15	60.2	40.7	40.3	28.1	28.1
10-11 AM	3723	0.0	484	0.0	3000	3064	660	1143	2.92	129	60.2	20.6	37.4	28.1	26.0
11A-NOON	3605	0.0	474	0.0	3000	3001	604	1078	2.90	126	60.2	20.7	37.3	28.1	26.1
NOON-1PM	3667	0.0	490	0.0	3000	3004	662	1152	2.95	129	60.2	20.5	37.3	28.1	25.9
1-2 PM	3831	0.0	463	0.0	3000	3004	827	1290+	3.04	134	60.2	20.2	37.3	28.2	25.5
2-3 PM	3749	0.0	470	0.0	3000	2998	751	1222+	2.99	131	60.2	20.3	37.3	28.1	25.7
3-4 PM	3937	0.0	433	0.0	3000	3006	930	1363+	3.09	137	60.2	20.0	37.3	28.3	25.3
4-5 PM	4078	0.0	370	0.0	3000	3002	1076	1446+	3.14	140	60.2	19.8	37.3	28.5	25.0
5-6 PM	4041	0.0	381	0.0	3000	2994	1047	1428+	3.13	139	60.2	19.9	37.3	28.4	25.0
6-7 PM	3391	0.0	348	0.0	3000	2974	417	765	2.72	116	60.2	21.4	37.3	28.6	27.1
7-8 PM	2726	0.0	270	0.0	2999	2724	2	272	1.02	44	60.2	35.8	41.3	28.9	28.9
8-9 PM	1986	0.0	206	0.0	3000	1986	0	206	0.22	0	60.2	52.6	49.7	29.1	29.1
9-10 PM	1638	0.0	175	0.0	3000	1638	0	175	0.22	0	60.2	52.6	49.7	29.2	29.2
10-11 PM	1480	0.0	109	0.0	3000	1480	0	109	0.22	0	60.2	52.6	49.7	29.4	29.4
11PM-MID	1379	0.0	92	0.0	3000	1379	0	92	0.22	0	60.2	52.6	49.7	29.5	29.5

+ 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	0.0125
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0346

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$31,598
CONGESTED HOURS PER DAY*	0

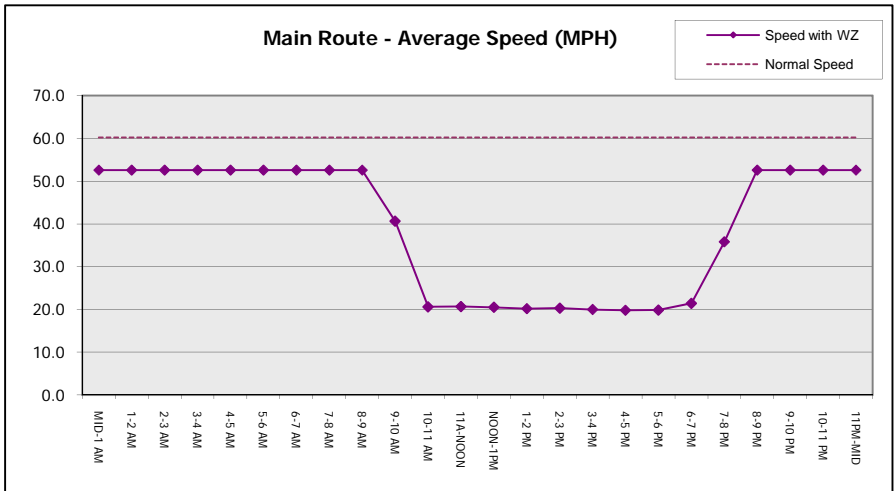
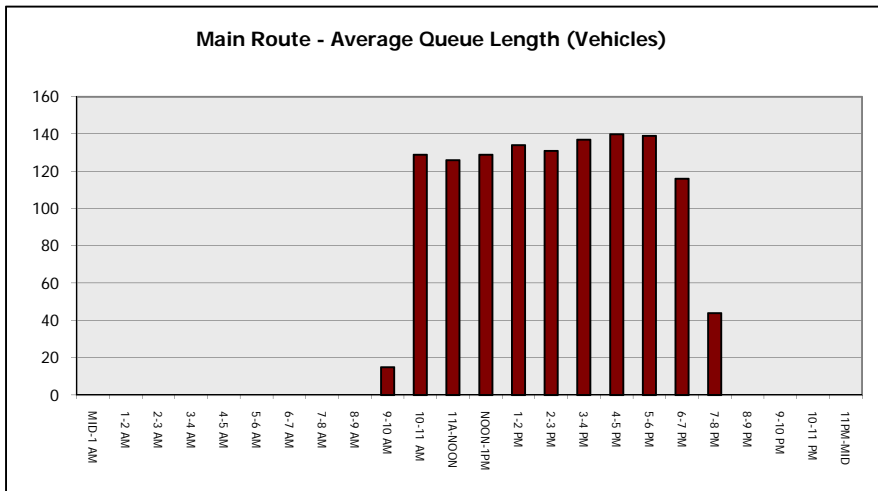
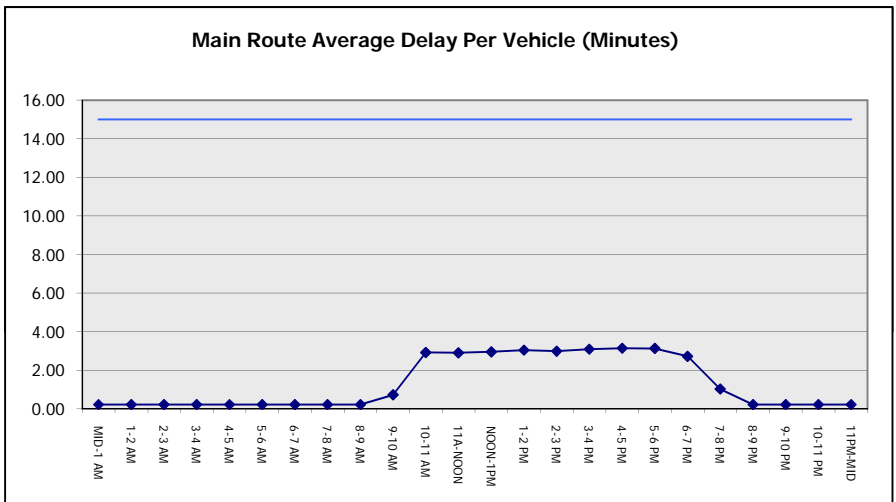
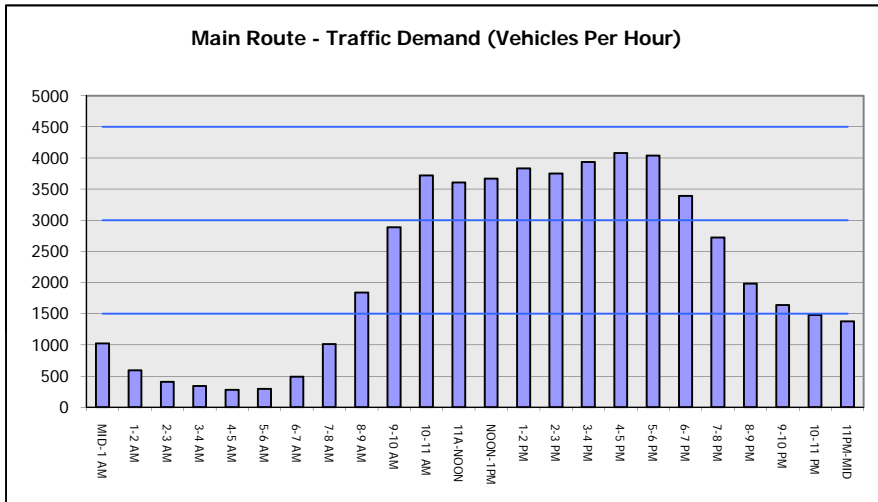
*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1023	0.0	43	0.0	3000	1023	0	43	0.22	0	60.2	52.6	49.7	29.7	29.7
1-2 AM	665	0.0	46	0.0	3000	665	0	46	0.22	0	60.2	52.6	49.7	29.6	29.6
2-3 AM	404	0.0	40	0.0	3000	404	0	40	0.22	0	60.2	52.6	49.7	29.7	29.7
3-4 AM	370	0.0	20	0.0	3000	370	0	20	0.22	0	60.2	52.6	49.7	29.7	29.7
4-5 AM	284	0.0	21	0.0	3000	284	0	21	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	231	0.0	26	0.0	3000	231	0	26	0.22	0	60.2	52.6	49.7	29.7	29.7
6-7 AM	446	0.0	60	0.0	3000	446	0	60	0.22	0	60.2	52.6	49.7	29.6	29.6
7-8 AM	868	0.0	96	0.0	3000	868	0	96	0.22	0	60.2	52.6	49.7	29.5	29.5
8-9 AM	1555	0.0	169	0.0	3000	1555	0	169	0.22	0	60.2	52.6	49.7	29.2	29.2
9-10 AM	2195	0.0	265	0.0	3000	2195	0	265	0.22	0	60.2	52.6	49.7	28.9	28.9
10-11 AM	2616	0.0	356	0.0	2999	2616	0	356	0.36	0	60.2	48.4	44.3	28.6	28.6
11A-NOON	3179	0.0	434	0.0	2999	3174	5	439	1.55	62	60.2	29.5	37.3	28.3	28.3
NOON-1PM	3444	0.0	541	0.0	2999	2957	488	1029	2.87	126	60.2	20.8	37.7	27.9	26.3
1-2 PM	3531	0.0	756	0.0	2999	3003	528	1284+	3.03	134	60.2	20.2	37.3	27.1	25.5
2-3 PM	3503	0.0	413	0.0	2999	2990	513	926	2.81	121	60.2	21.0	37.3	28.4	26.6
3-4 PM	3857	0.0	705	0.0	3000	3025	833	1538+	3.21	143	60.2	19.6	37.3	27.3	24.7
4-5 PM	4103	0.0	402	0.0	2999	2992	1111	1513+	3.19	143	60.2	19.7	37.3	28.4	24.8
5-6 PM	3854	0.0	333	0.0	3000	2985	869	1203+	2.98	131	60.2	20.4	37.3	28.6	25.8
6-7 PM	3315	0.0	256	0.0	3000	2981	334	590	2.62	111	60.2	21.9	37.3	28.9	27.8
7-8 PM	2873	0.0	234	0.0	3000	2867	7	240	1.66	70	60.2	28.5	38.8	29.0	28.9
8-9 PM	2275	0.0	159	0.0	3000	2275	0	159	0.22	0	60.2	52.6	49.7	29.2	29.2
9-10 PM	1884	0.0	125	0.0	3000	1884	0	125	0.22	0	60.2	52.6	49.7	29.4	29.4
10-11 PM	1973	0.0	91	0.0	3000	1973	0	91	0.22	0	60.2	52.6	49.7	29.5	29.5
11PM-MID	2621	0.0	69	0.0	3000	2621	0	69	0.37	0	60.2	48.2	44.1	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	0.0122
MAIN ROUTE WITH WORKS	0.0080
DIVERSION	0.0275

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,198
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: MONONA DR - CTH BW

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

