

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

MAY
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	679	0.0	74	0.0	3000	679	0	74	0.22	0	60.2	52.6	49.7	29.6	29.6
1-2 AM	421	0.0	56	0.0	3000	421	0	56	0.22	0	60.2	52.6	49.7	29.6	29.6
2-3 AM	398	0.0	51	0.0	3000	398	0	51	0.22	0	60.2	52.6	49.7	29.6	29.6
3-4 AM	309	0.0	26	0.0	3000	309	0	26	0.22	0	60.2	52.6	49.7	29.7	29.7
4-5 AM	423	0.0	15	0.0	3000	423	0	15	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	603	0.0	44	0.0	3000	603	0	44	0.22	0	60.2	52.6	49.7	29.6	29.6
6-7 AM	1080	0.0	96	0.0	3000	1080	0	96	0.22	0	60.2	52.6	49.7	29.5	29.5
7-8 AM	1571	0.0	152	0.0	3000	1571	0	152	0.22	0	60.2	52.6	49.7	29.2	29.2
8-9 AM	2292	0.0	233	0.0	3000	2292	0	233	0.22	0	60.2	52.6	49.7	29.0	29.0
9-10 AM	2813	0.0	383	0.0	2999	2813	0	383	0.50	0	60.2	45.1	40.4	28.4	28.4
10-11 AM	3255	0.0	440	0.0	2999	3133	121	562	1.92	78	60.2	26.3	37.3	28.3	27.8
11A-NOON	3470	0.0	514	0.0	2999	2993	477	991	2.85	123	60.2	20.9	37.3	28.0	26.4
NOON-1PM	3610	0.0	500	0.0	3000	3001	609	1109	2.92	127	60.2	20.6	37.3	28.1	26.0
1-2 PM	3449	0.0	468	0.0	3000	2992	457	925	2.81	121	60.2	21.0	37.3	28.1	26.6
2-3 PM	3358	0.0	475	0.0	3000	2997	360	836	2.75	118	60.2	21.2	37.3	28.1	26.9
3-4 PM	3299	0.0	405	0.0	3000	2996	303	708	2.68	114	60.2	21.5	37.3	28.4	27.3
4-5 PM	3262	0.0	394	0.0	3000	2997	265	659	2.66	113	60.2	21.7	37.3	28.4	27.5
5-6 PM	2936	0.0	360	0.0	3000	2918	18	378	2.11	86	60.2	24.9	37.6	28.6	28.5
6-7 PM	2567	0.0	346	0.0	3000	2567	0	346	0.35	1	60.2	48.7	45.3	28.6	28.6
7-8 PM	2123	0.0	282	0.0	3000	2123	0	282	0.22	0	60.2	52.6	49.7	28.8	28.8
8-9 PM	1889	0.0	216	0.0	3000	1889	0	216	0.22	0	60.2	52.6	49.7	29.1	29.1
9-10 PM	1629	0.0	179	0.0	3000	1629	0	179	0.22	0	60.2	52.6	49.7	29.2	29.2
10-11 PM	1485	0.0	134	0.0	3000	1485	0	134	0.22	0	60.2	52.6	49.7	29.3	29.3
11PM-MID	1007	0.0	84	0.0	3000	1007	0	84	0.22	0	60.2	52.6	49.7	29.5	29.5

----- 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	0.0114
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0227

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,285
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

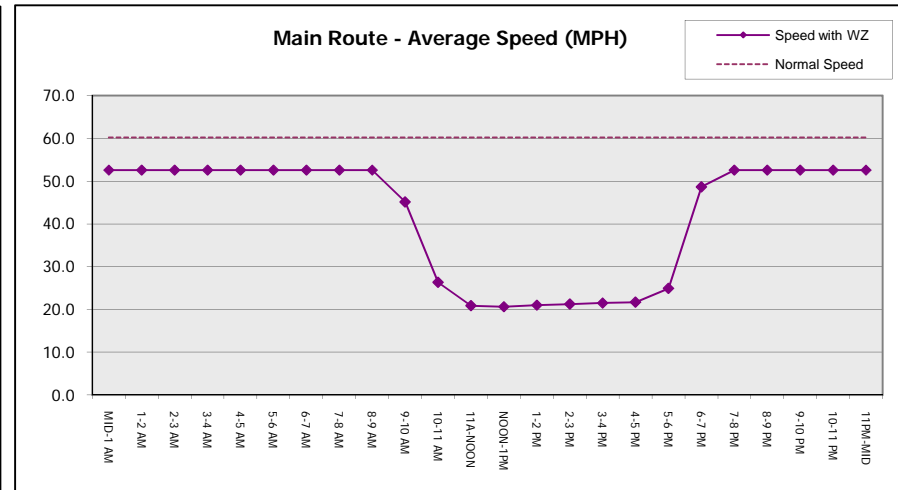
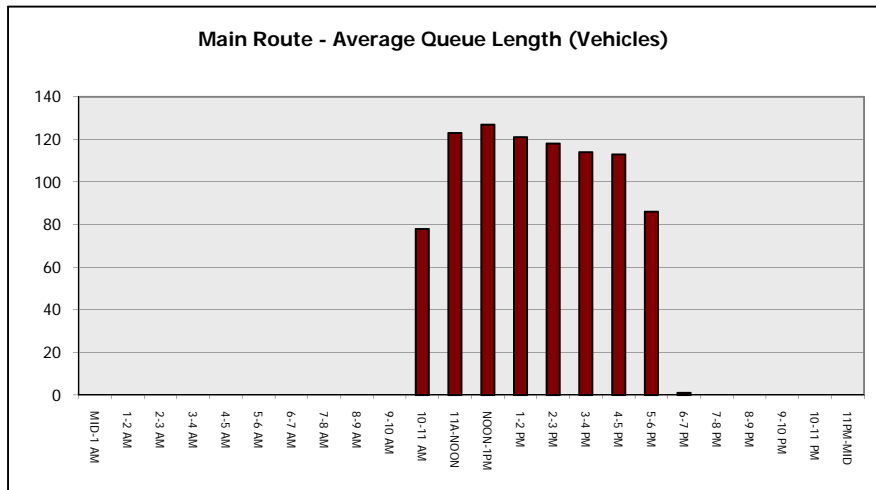
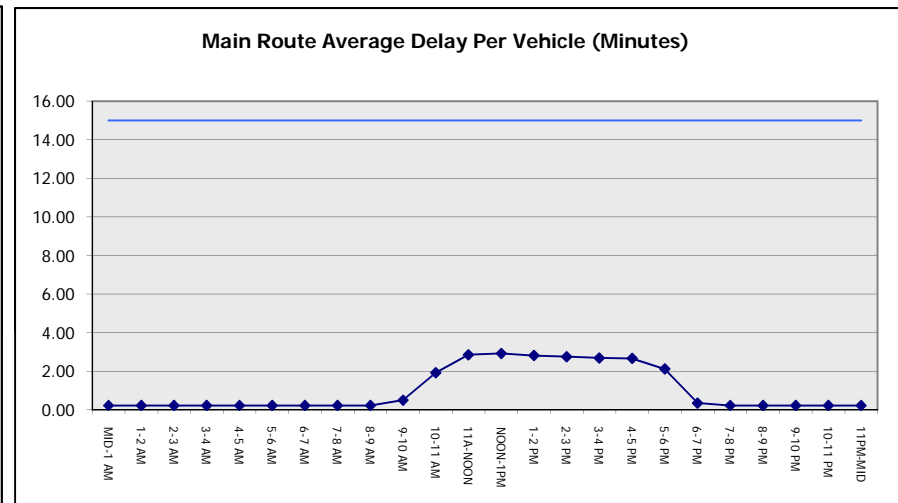
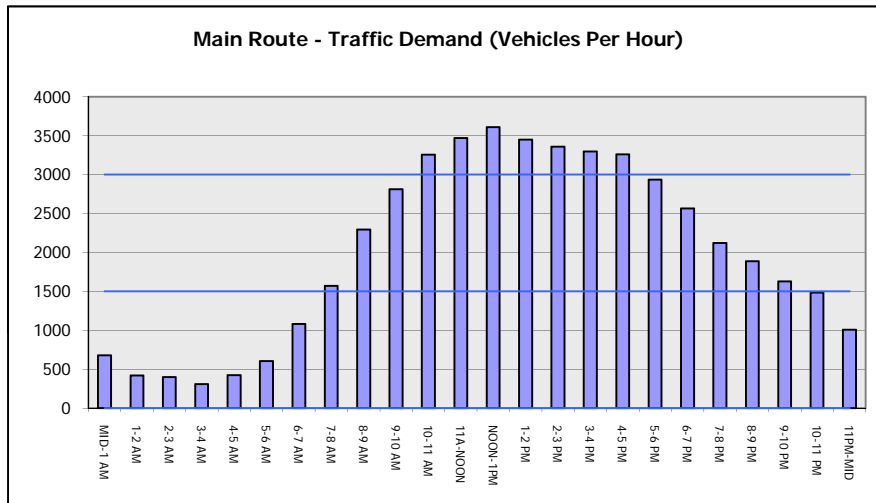
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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: MONONA DR - CTH BW

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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	MAY
	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						
	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	668	0.0	55	0.0	3000	668	0	55	0.22	0	60.2	52.6	49.7	29.6	29.6
1-2 AM	410	0.0	32	0.0	3000	410	0	32	0.22	0	60.2	52.6	49.7	29.7	29.7
2-3 AM	388	0.0	38	0.0	3000	388	0	38	0.22	0	60.2	52.6	49.7	29.7	29.7
3-4 AM	244	0.0	16	0.0	3000	244	0	16	0.22	0	60.2	52.6	49.7	29.7	29.7
4-5 AM	260	0.0	13	0.0	3000	260	0	13	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	526	0.0	24	0.0	3000	526	0	24	0.22	0	60.2	52.6	49.7	29.7	29.7
6-7 AM	997	0.0	62	0.0	3000	997	0	62	0.22	0	60.2	52.6	49.7	29.6	29.6
7-8 AM	1779	0.0	100	0.0	3000	1779	0	100	0.22	0	60.2	52.6	49.7	29.4	29.4
8-9 AM	2383	0.0	197	0.0	3000	2383	0	197	0.22	0	60.2	52.6	49.7	29.1	29.1
9-10 AM	2834	0.0	303	0.0	2999	2834	0	303	0.51	0	60.2	44.8	40.1	28.8	28.8
10-11 AM	3246	0.0	371	0.0	2999	3132	114	485	1.89	76	60.2	26.6	37.3	28.5	28.1
11A-NOON	3460	0.0	466	0.0	2999	2993	467	933	2.81	121	60.2	21.0	37.3	28.2	26.6
NOON-1PM	3610	0.0	468	0.0	3000	3002	608	1076	2.90	126	60.2	20.7	37.3	28.1	26.1
1-2 PM	3568	0.0	401	0.0	3000	2995	573	974	2.84	123	60.2	20.9	37.3	28.4	26.5
2-3 PM	3506	0.0	398	0.0	3000	2999	507	905	2.80	120	60.2	21.1	37.3	28.4	26.7
3-4 PM	3591	0.0	394	0.0	3000	3001	590	984	2.84	123	60.2	20.9	37.3	28.4	26.5
4-5 PM	3373	0.0	355	0.0	3000	2989	384	739	2.70	115	60.2	21.4	37.3	28.6	27.2
5-6 PM	2964	0.0	283	0.0	3000	2922	42	325	2.13	86	60.2	24.8	37.6	28.8	28.7
6-7 PM	2553	0.0	261	0.0	3000	2553	0	261	0.35	1	60.2	48.8	45.6	28.9	28.9
7-8 PM	2201	0.0	256	0.0	3000	2201	0	256	0.22	0	60.2	52.6	49.7	28.9	28.9
8-9 PM	1912	0.0	175	0.0	3000	1912	0	175	0.22	0	60.2	52.6	49.7	29.2	29.2
9-10 PM	1829	0.0	149	0.0	3000	1829	0	149	0.22	0	60.2	52.6	49.7	29.3	29.3
10-11 PM	1420	0.0	111	0.0	3000	1420	0	111	0.22	0	60.2	52.6	49.7	29.4	29.4
11PM-MID	1158	0.0	74	0.0	3000	1158	0	74	0.22	0	60.2	52.6	49.7	29.6	29.6

----- 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	0.0116
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0220

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$22,041
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

