

USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) 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	3000	774	0	211	0.22	0	60.2	52.6	49.7	29.1	29.1
1-2 AM	528	0.0	224	0.0	3000	528	0	224	0.22	0	60.2	52.6	49.7	29.0	29.0
2-3 AM	506	0.0	232	0.0	3000	506	0	232	0.22	0	60.2	52.6	49.7	29.0	29.0
3-4 AM	320	0.0	206	0.0	3000	320	0	206	0.22	0	60.2	52.6	49.7	29.1	29.1
4-5 AM	436	0.0	193	0.0	3000	436	0	193	0.22	0	60.2	52.6	49.7	29.1	29.1
5-6 AM	324	0.0	186	0.0	3000	324	0	186	0.22	0	60.2	52.6	49.7	29.1	29.1
6-7 AM	581	0.0	205	0.0	3000	581	0	205	0.22	0	60.2	52.6	49.7	29.1	29.1
7-8 AM	727	0.0	177	0.0	3000	727	0	177	0.22	0	60.2	52.6	49.7	29.2	29.2
8-9 AM	1090	0.0	181	0.0	3000	1090	0	181	0.22	0	60.2	52.6	49.7	29.2	29.2
9-10 AM	1739	0.0	202	0.0	3000	1739	0	202	0.22	0	60.2	52.6	49.7	29.1	29.1
10-11 AM	2608	0.0	233	0.0	2999	2608	0	233	0.36	0	60.2	48.6	44.6	29.0	29.0
11A-NOON	2930	0.0	359	0.0	2999	2930	0	359	0.61	2	60.2	42.7	38.6	28.6	28.6
NOON-1PM	3330	0.0	545	0.0	3000	3103	227	772	2.41	101	60.2	23.2	37.4	27.9	27.1
1-2 PM	3341	0.0	231	0.0	3000	2996	345	575	2.61	110	60.2	21.9	37.3	29.0	27.8
2-3 PM	3432	0.0	186	0.0	3000	3002	430	616	2.63	111	60.2	21.8	37.3	29.1	27.6
3-4 PM	3262	0.0	193	0.0	3000	2995	268	461	2.55	107	60.2	22.2	37.3	29.1	28.2
4-5 PM	3135	0.0	167	0.0	3000	2996	140	306	2.48	103	60.2	22.6	37.3	29.2	28.8
5-6 PM	2982	0.0	173	0.0	3000	2965	17	190	2.27	92	60.2	23.8	37.3	29.2	29.1
6-7 PM	2749	0.0	173	0.0	3000	2749	0	173	0.66	13	60.2	41.7	41.1	29.2	29.2
7-8 PM	2304	0.0	384	0.0	3000	2304	0	384	0.22	0	60.2	52.6	49.7	28.4	28.4
8-9 PM	2046	0.0	551	0.0	3000	2046	0	551	0.22	0	60.2	52.6	49.7	27.9	27.9
9-10 PM	1686	0.0	452	0.0	3000	1686	0	452	0.22	0	60.2	52.6	49.7	28.2	28.2
10-11 PM	1167	0.0	257	0.0	3000	1167	0	257	0.22	0	60.2	52.6	49.7	28.9	28.9
11PM-MID	727	0.0	223	0.0	3000	727	0	223	0.22	0	60.2	52.6	49.7	29.0	29.0

----- 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	0.0071
DIVERSION	0.0201

PIA: Personal Injury Accidents

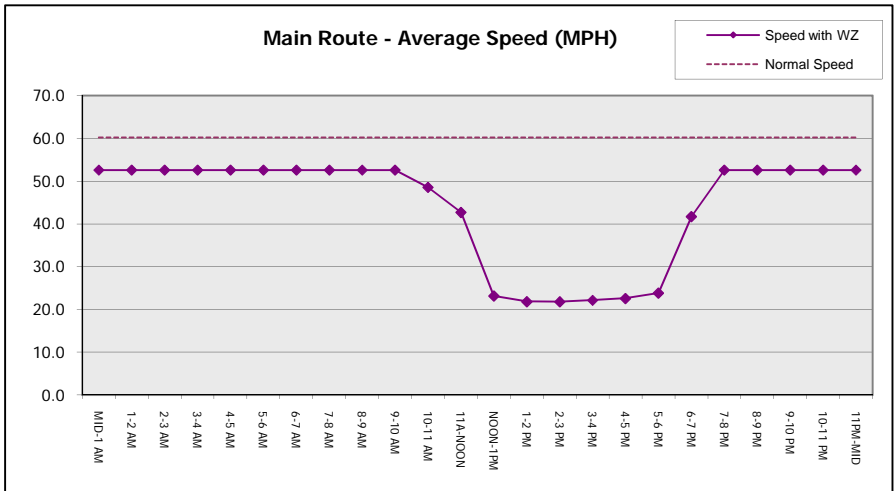
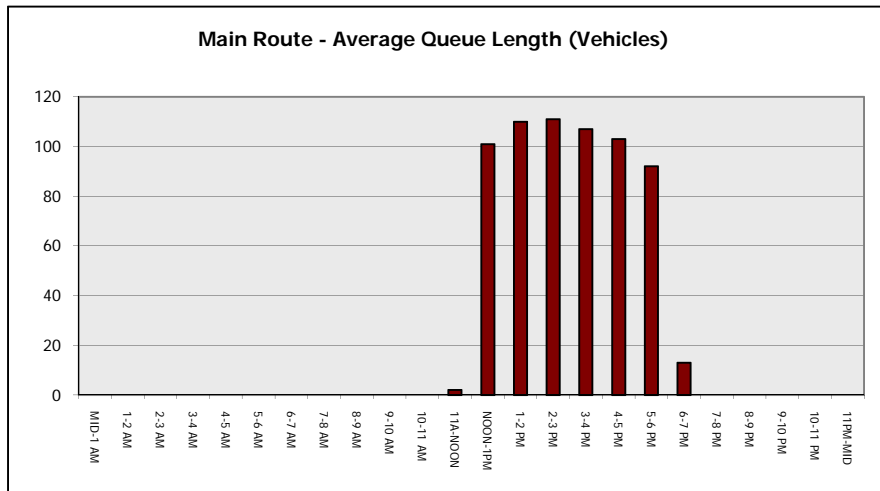
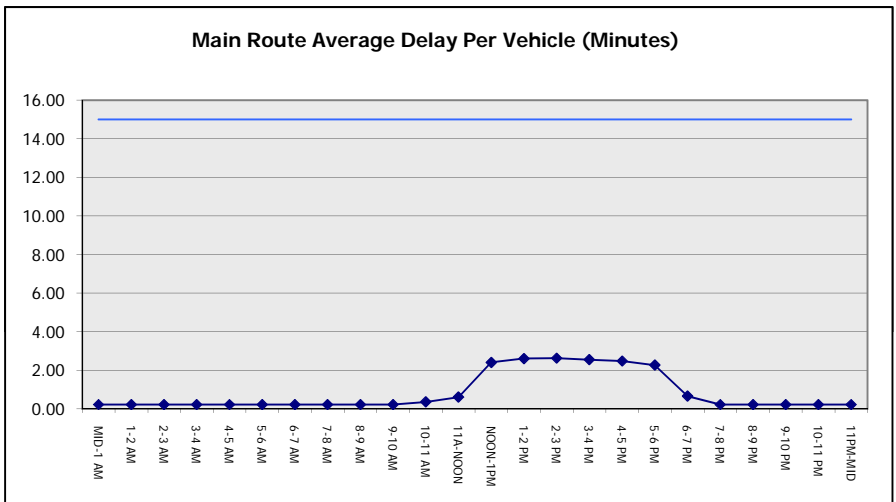
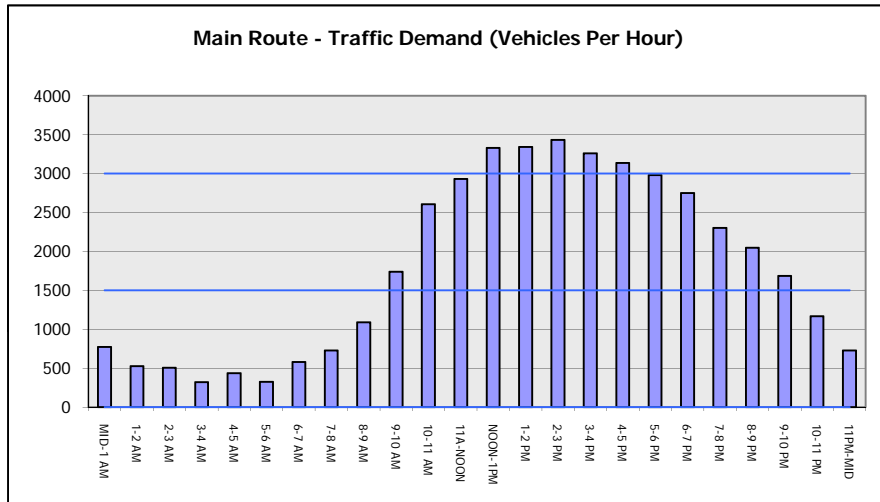
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$15,940
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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) CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW	AUGUST
	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						
	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	3000	720	0	160	0.22	0	60.2	52.6	49.7	29.2	29.2
1-2 AM	436	0.0	188	0.0	3000	436	0	188	0.22	0	60.2	52.6	49.7	29.1	29.1
2-3 AM	359	0.0	177	0.0	3000	359	0	177	0.22	0	60.2	52.6	49.7	29.2	29.2
3-4 AM	234	0.0	182	0.0	3000	234	0	182	0.22	0	60.2	52.6	49.7	29.2	29.2
4-5 AM	226	0.0	181	0.0	3000	226	0	181	0.22	0	60.2	52.6	49.7	29.2	29.2
5-6 AM	283	0.0	143	0.0	3000	283	0	143	0.22	0	60.2	52.6	49.7	29.3	29.3
6-7 AM	549	0.0	164	0.0	3000	549	0	164	0.22	0	60.2	52.6	49.7	29.2	29.2
7-8 AM	943	0.0	149	0.0	3000	943	0	149	0.22	0	60.2	52.6	49.7	29.3	29.3
8-9 AM	1483	0.0	151	0.0	3000	1483	0	151	0.22	0	60.2	52.6	49.7	29.2	29.2
9-10 AM	2257	0.0	158	0.0	2999	2257	0	158	0.23	0	60.2	52.2	49.1	29.2	29.2
10-11 AM	2911	0.0	179	0.0	2999	2911	0	179	0.60	2	60.2	42.9	38.9	29.2	29.2
11A-NOON	3141	0.0	192	0.0	3000	3128	13	205	1.73	67	60.2	27.9	37.3	29.1	29.1
NOON-1PM	3253	0.0	208	0.0	2999	2972	280	488	2.57	108	60.2	22.1	37.4	29.1	28.1
1-2 PM	3448	0.0	174	0.0	2999	3002	446	620	2.64	112	60.2	21.7	37.3	29.2	27.6
2-3 PM	3468	0.0	168	0.0	3000	3001	467	635	2.64	112	60.2	21.7	37.3	29.2	27.6
3-4 PM	3713	0.0	169	0.0	3000	3007	706	875	2.78	119	60.2	21.1	37.3	29.2	26.8
4-5 PM	3657	0.0	154	0.0	3000	2994	663	818	2.74	118	60.2	21.2	37.3	29.2	27.0
5-6 PM	3227	0.0	126	0.0	2999	2985	242	368	2.51	104	60.2	22.5	37.3	29.4	28.5
6-7 PM	2666	0.0	130	0.0	3000	2666	0	130	0.72	23	60.2	40.7	42.5	29.4	29.4
7-8 PM	2273	0.0	133	0.0	3000	2273	0	133	0.22	0	60.2	52.6	49.7	29.3	29.3
8-9 PM	1923	0.0	185	0.0	3000	1923	0	185	0.22	0	60.2	52.6	49.7	29.2	29.2
9-10 PM	1494	0.0	181	0.0	3000	1494	0	181	0.22	0	60.2	52.6	49.7	29.2	29.2
10-11 PM	917	0.0	160	0.0	3000	917	0	160	0.22	0	60.2	52.6	49.7	29.2	29.2
11PM-MID	627	0.0	152	0.0	3000	627	0	152	0.22	0	60.2	52.6	49.7	29.2	29.2

----- 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	0.0071
DIVERSION	0.0180

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$19,033
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**

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

