

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

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	1023	0.0	70	0.0	3000	1023	0	70	0.22	0	60.2	52.6	49.7	29.6	29.6
1-2 AM	695	0.0	48	0.0	3000	695	0	48	0.22	0	60.2	52.6	49.7	29.6	29.6
2-3 AM	431	0.0	54	0.0	3000	431	0	54	0.22	0	60.2	52.6	49.7	29.6	29.6
3-4 AM	359	0.0	35	0.0	3000	359	0	35	0.22	0	60.2	52.6	49.7	29.7	29.7
4-5 AM	246	0.0	22	0.0	3000	246	0	22	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	179	0.0	19	0.0	3000	179	0	19	0.22	0	60.2	52.6	49.7	29.7	29.7
6-7 AM	265	0.0	61	0.0	3000	265	0	61	0.22	0	60.2	52.6	49.7	29.6	29.6
7-8 AM	550	0.0	75	0.0	3000	550	0	75	0.22	0	60.2	52.6	49.7	29.6	29.6
8-9 AM	674	0.0	104	0.0	3000	674	0	104	0.22	0	60.2	52.6	49.7	29.4	29.4
9-10 AM	1084	0.0	225	0.0	3000	1084	0	225	0.22	0	60.2	52.6	49.7	29.0	29.0
10-11 AM	1818	0.0	339	0.0	3000	1818	0	339	0.22	0	60.2	52.6	49.7	28.6	28.6
11A-NOON	2509	0.0	395	0.0	2999	2509	0	395	0.30	0	60.2	50.2	46.6	28.4	28.4
NOON-1PM	2945	0.0	436	0.0	2999	2945	0	436	0.65	4	60.2	42.0	38.4	28.3	28.3
1-2 PM	3210	0.0	402	0.0	3000	3095	115	517	2.18	89	60.2	24.5	37.3	28.4	28.0
2-3 PM	3035	0.0	407	0.0	3000	2995	40	447	2.55	107	60.2	22.2	37.3	28.4	28.3
3-4 PM	3069	0.0	360	0.0	3000	3000	69	429	2.54	106	60.2	22.3	37.3	28.6	28.3
4-5 PM	3120	0.0	336	0.0	3000	3000	119	456	2.55	107	60.2	22.2	37.3	28.6	28.2
5-6 PM	3052	0.0	321	0.0	3000	2997	55	376	2.51	105	60.2	22.4	37.3	28.7	28.5
6-7 PM	2908	0.0	290	0.0	2999	2908	0	290	1.78	69	60.2	27.4	37.7	28.8	28.8
7-8 PM	2687	0.0	202	0.0	3000	2687	0	202	0.42	0	60.2	47.0	42.8	29.1	29.1
8-9 PM	2205	0.0	146	0.0	3000	2205	0	146	0.22	0	60.2	52.6	49.7	29.3	29.3
9-10 PM	1770	0.0	102	0.0	3000	1770	0	102	0.22	0	60.2	52.6	49.7	29.4	29.4
10-11 PM	1345	0.0	70	0.0	3000	1345	0	70	0.22	0	60.2	52.6	49.7	29.6	29.6
11PM-MID	938	0.0	46	0.0	3000	938	0	46	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 (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	0.0096
MAIN ROUTE WITH WORKS	0.0068
DIVERSION	0.0132

PIA: Personal Injury Accidents

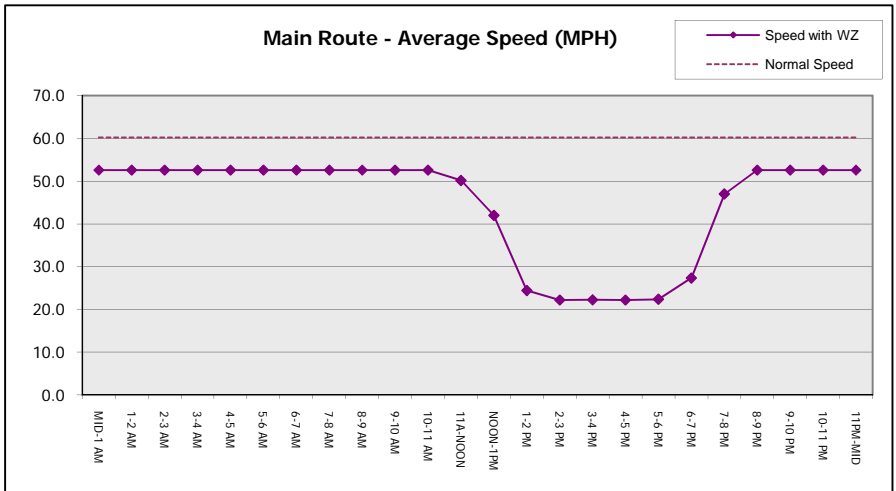
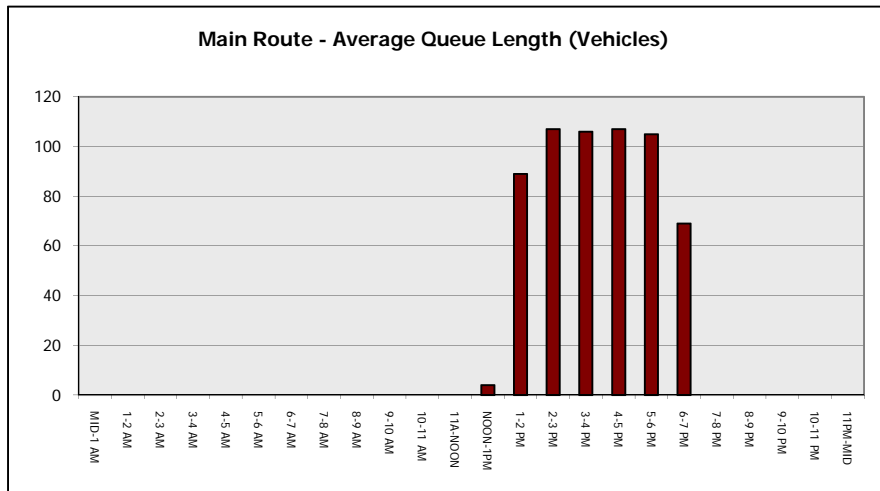
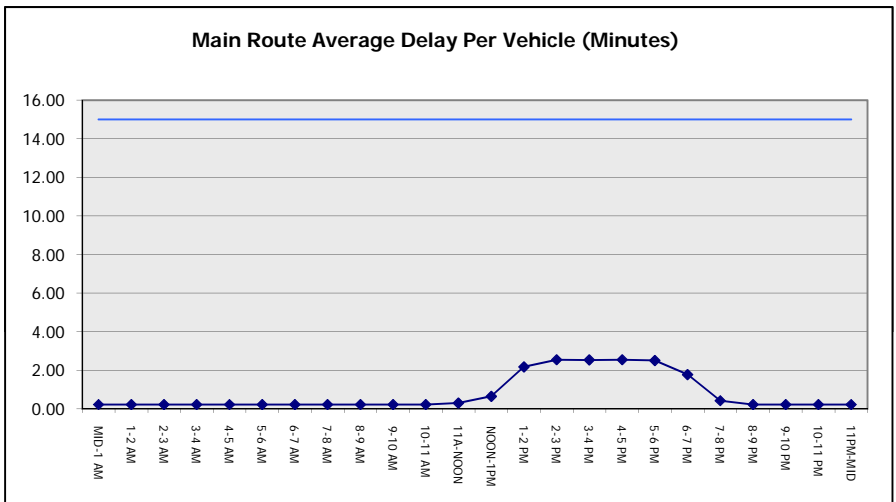
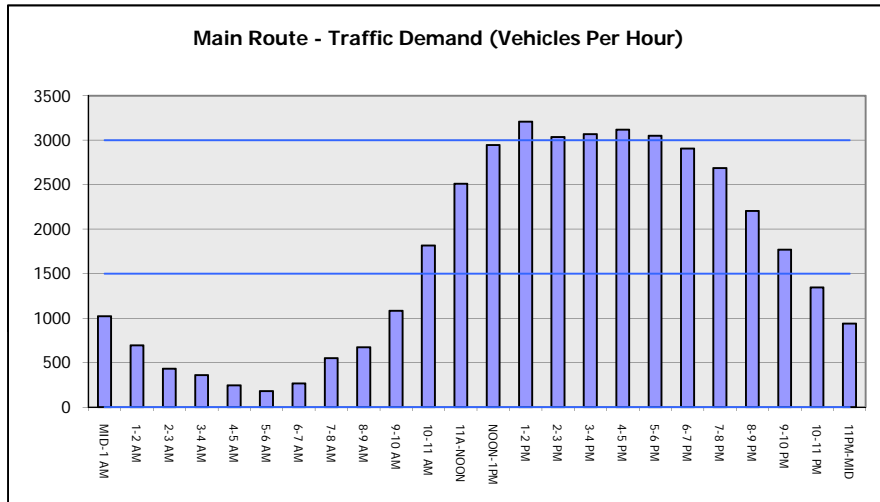
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,065
CONGESTED HOURS PER DAY*	0

*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
SUNDAY WESTBOUND DIRECTION



USH 12/18: VERONA RD TO USH 51 (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: MONONA DR - CTH BW	OCTOBER
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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	2283	0.0	57	0.0	3000	2283	0	57	0.22	0	60.2	52.6	49.7	29.6	29.6
1-2 AM	935	0.0	40	0.0	3000	935	0	40	0.22	0	60.2	52.6	49.7	29.7	29.7
2-3 AM	501	0.0	52	0.0	3000	501	0	52	0.22	0	60.2	52.6	49.7	29.6	29.6
3-4 AM	408	0.0	25	0.0	3000	408	0	25	0.22	0	60.2	52.6	49.7	29.7	29.7
4-5 AM	270	0.0	20	0.0	3000	270	0	20	0.22	0	60.2	52.6	49.7	29.7	29.7
5-6 AM	212	0.0	14	0.0	3000	212	0	14	0.22	0	60.2	52.6	49.7	29.7	29.7
6-7 AM	309	0.0	40	0.0	3000	309	0	40	0.22	0	60.2	52.6	49.7	29.7	29.7
7-8 AM	513	0.0	58	0.0	3000	513	0	58	0.22	0	60.2	52.6	49.7	29.6	29.6
8-9 AM	1066	0.0	106	0.0	3000	1066	0	106	0.22	0	60.2	52.6	49.7	29.4	29.4
9-10 AM	1653	0.0	188	0.0	3000	1653	0	188	0.22	0	60.2	52.6	49.7	29.1	29.1
10-11 AM	2414	0.0	240	0.0	2999	2414	0	240	0.28	0	60.2	50.7	47.3	28.9	28.9
11A-NOON	2997	0.0	310	0.0	2999	2997	0	310	0.80	13	60.2	39.2	38.1	28.7	28.7
NOON-1PM	3305	0.0	332	0.0	3000	3049	257	589	2.60	111	60.2	22.0	37.5	28.6	27.8
1-2 PM	3459	0.0	352	0.0	3000	3015	444	795	2.73	117	60.2	21.3	37.3	28.6	27.0
2-3 PM	3460	0.0	325	0.0	3000	2999	461	786	2.73	117	60.2	21.3	37.3	28.7	27.1
3-4 PM	3517	0.0	343	0.0	3000	3003	513	856	2.77	119	60.2	21.2	37.3	28.6	26.8
4-5 PM	3713	0.0	299	0.0	3000	3003	710	1010	2.86	124	60.2	20.8	37.3	28.8	26.3
5-6 PM	3455	0.0	280	0.0	3000	2988	467	747	2.71	115	60.2	21.4	37.3	28.8	27.2
6-7 PM	2985	0.0	205	0.0	2999	2925	60	265	2.13	86	60.2	24.8	37.5	29.1	28.9
7-8 PM	2526	0.0	145	0.0	3000	2526	0	145	0.33	1	60.2	49.2	46.3	29.3	29.3
8-9 PM	1967	0.0	108	0.0	3000	1967	0	108	0.22	0	60.2	52.6	49.7	29.4	29.4
9-10 PM	1433	0.0	80	0.0	3000	1433	0	80	0.22	0	60.2	52.6	49.7	29.5	29.5
10-11 PM	1025	0.0	54	0.0	3000	1025	0	54	0.22	0	60.2	52.6	49.7	29.6	29.6
11PM-MID	732	0.0	35	0.0	3000	732	0	35	0.22	0	60.2	52.6	49.7	29.7	29.7

----- 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	0.0108
MAIN ROUTE WITH WORKS	0.0073
DIVERSION	0.0176

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$19,760
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
SUNDAY EASTBOUND DIRECTION

