

<b>USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  WESTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH				
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE		
MID-1 AM	350	0.0	OFF	350	0	0.00	0	60.2	60.2	60.2	
1-2 AM	199	0.0	OFF	199	0	0.00	0	60.2	60.2	60.2	
2-3 AM	129	0.0	OFF	129	0	0.00	0	60.2	60.2	60.2	
3-4 AM	104	0.0	OFF	104	0	0.00	0	60.2	60.2	60.2	
4-5 AM	89	0.0	OFF	89	0	0.00	0	60.2	60.2	60.2	
5-6 AM	216	0.0	OFF	216	0	0.00	0	60.2	60.2	60.2	
6-7 AM	695	0.0	OFF	695	0	0.00	0	60.2	60.2	60.2	
7-8 AM	2229	0.0	OFF	2229	0	0.00	0	60.2	60.2	60.2	
8-9 AM	4085	0.0	OFF	4085	0	0.00	0	44.6	44.6	44.6	
9-10 AM	3191	0.0	OFF	3191	0	0.00	0	53.8	53.8	53.8	
10-11 AM	2313	0.0	1499	1961	352	12.31+	322	60.2	11.7	30.8	
11AM-NOON	2281	0.0	1499	1496	785	16.25+	413	60.2	9.9	30.8	
NOON-1PM	2578	0.0	1499	1486	1092	16.32+	415	60.1	9.9	30.8	
1-2 PM	2838	0.0	1499	1484	1354	16.24+	417	57.4	9.8	30.8	
2-3 PM	2775	0.0	1499	1494	1281	16.23+	416	58.1	9.8	30.8	
3-4 PM	2905	0.0	OFF	2905	0	1.45	80	56.8	38.1	38.1	
4-5 PM	3221	0.0	OFF	3221	0	0.00	0	53.5	53.5	53.5	
5-6 PM	3933	0.0	OFF	3933	0	0.00	0	46.2	46.2	46.2	
6-7 PM	3927	0.0	OFF	3927	0	0.00	0	46.3	46.3	46.3	
7-8 PM	2634	0.0	OFF	2634	0	0.00	0	59.5	59.5	59.5	
8-9 PM	1823	0.0	OFF	1823	0	0.00	0	60.2	60.2	60.2	
9-10 PM	1482	0.0	OFF	1482	0	0.00	0	60.2	60.2	60.2	
10-11 PM	1070	0.0	OFF	1070	0	0.00	0	60.2	60.2	60.2	
11PM-MID	655	0.0	OFF	655	0	0.00	0	60.2	60.2	60.2	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

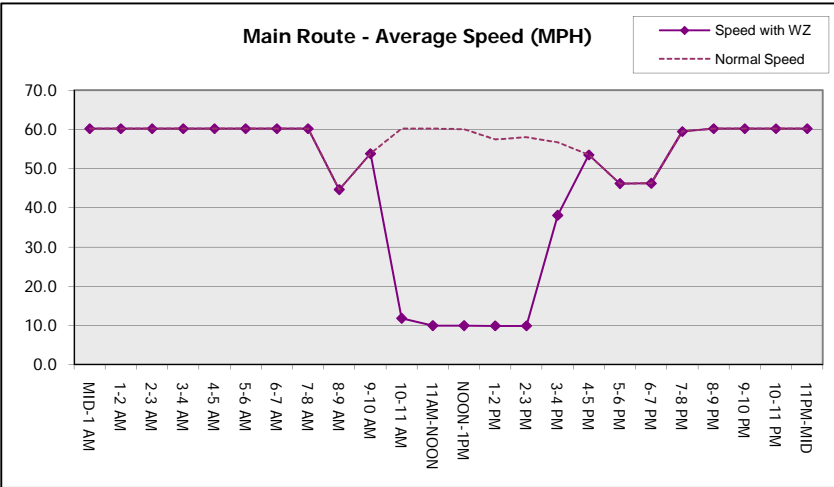
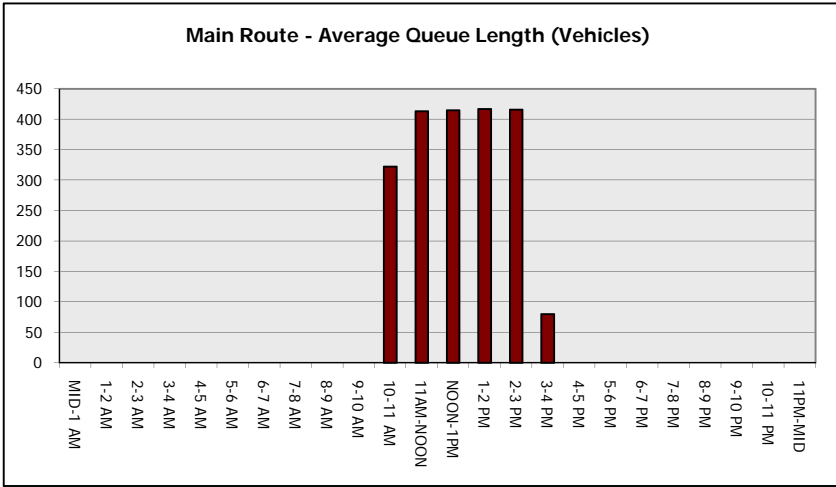
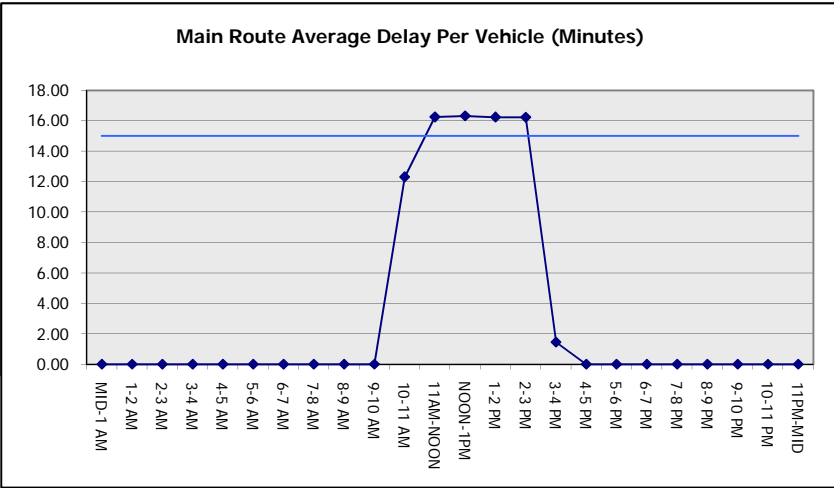
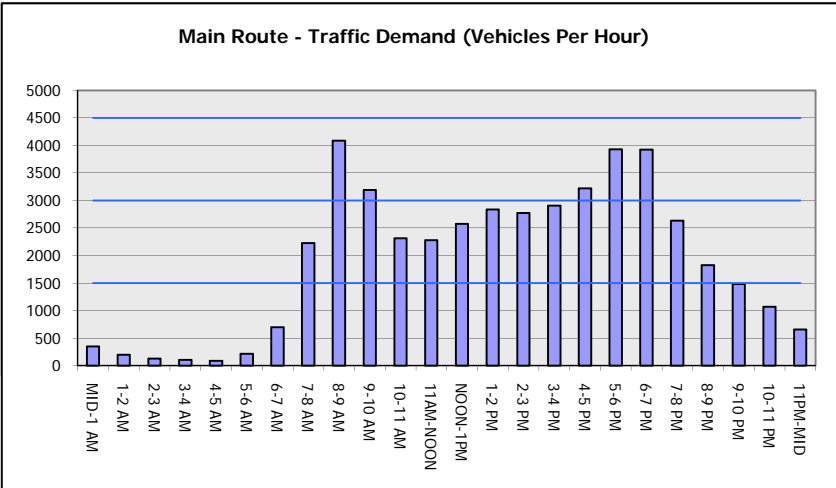
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0204
MAIN ROUTE WITH WORKS	0.0177
'DIVERSION'	0.0050
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,825
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	512	0.0	OFF	512	0	0.00	0	60.2	60.2	60.2
1-2 AM	246	0.0	OFF	246	0	0.00	0	60.2	60.2	60.2
2-3 AM	158	0.0	OFF	158	0	0.00	0	60.2	60.2	60.2
3-4 AM	97	0.0	OFF	97	0	0.00	0	60.2	60.2	60.2
4-5 AM	106	0.0	OFF	106	0	0.00	0	60.2	60.2	60.2
5-6 AM	197	0.0	OFF	197	0	0.00	0	60.2	60.2	60.2
6-7 AM	707	0.0	OFF	707	0	0.00	0	60.2	60.2	60.2
7-8 AM	1907	0.0	OFF	1907	0	0.00	0	60.2	60.2	60.2
8-9 AM	3366	0.0	OFF	3366	0	0.00	0	52.0	52.0	52.0
9-10 AM	2882	0.0	OFF	2882	0	0.00	0	57.0	57.0	57.0
10-11 AM	2141	0.0	1499	1866	275	10.90+	297	60.2	13.0	30.8
11AM-NOON	2187	0.0	1500	1504	683	16.24+	413	60.2	9.9	30.8
NOON-1PM	2619	0.0	1500	1519	1101	16.30+	416	59.7	9.8	30.8
1-2 PM	2823	0.0	1500	1518	1305	16.22+	417	57.6	9.8	30.8
2-3 PM	2718	0.0	1500	1506	1212	16.23+	415	58.7	9.9	30.8
3-4 PM	2885	0.0	OFF	2885	0	1.38	76	56.9	38.8	38.8
4-5 PM	3422	0.0	OFF	3422	0	0.00	0	51.4	51.4	51.4
5-6 PM	4062	0.0	OFF	4062	0	0.00	0	44.9	44.9	44.9
6-7 PM	3626	0.0	OFF	3626	0	0.00	0	49.4	49.4	49.4
7-8 PM	2441	0.0	OFF	2441	0	0.00	0	60.2	60.2	60.2
8-9 PM	1840	0.0	OFF	1840	0	0.00	0	60.2	60.2	60.2
9-10 PM	1665	0.0	OFF	1665	0	0.00	0	60.2	60.2	60.2
10-11 PM	1273	0.0	OFF	1273	0	0.00	0	60.2	60.2	60.2
11PM-MID	812	0.0	OFF	812	0	0.00	0	60.2	60.2	60.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0199
MAIN ROUTE WITH WORKS	0.0174
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$42,201
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

