

<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>MAY</b>
	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		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	566	0.0	OFF	566	0	0.00	0	60.2	60.2	60.2	
1-2 AM	336	0.0	OFF	336	0	0.00	0	60.2	60.2	60.2	
2-3 AM	221	0.0	OFF	221	0	0.00	0	60.2	60.2	60.2	
3-4 AM	212	0.0	OFF	212	0	0.00	0	60.2	60.2	60.2	
4-5 AM	116	0.0	OFF	116	0	0.00	0	60.2	60.2	60.2	
5-6 AM	96	0.0	OFF	96	0	0.00	0	60.2	60.2	60.2	
6-7 AM	144	0.0	OFF	144	0	0.00	0	60.2	60.2	60.2	
7-8 AM	260	0.0	OFF	260	0	0.00	0	60.2	60.2	60.2	
8-9 AM	541	0.0	OFF	541	0	0.00	0	60.2	60.2	60.2	
9-10 AM	850	0.0	1500	850	0	0.43	0	60.2	52.2	42.2	
10-11 AM	1202	0.0	1499	1202	0	0.59	0	60.2	49.7	38.3	
11AM-NOON	1734	0.0	1499	1734	0	3.76	93	60.2	25.6	30.8	
NOON-1PM	1944	0.0	1500	1691	253	14.51+	371	60.2	10.5	30.8	
1-2 PM	2222	0.0	1499	1499	723	16.24+	413	60.2	9.9	30.8	
2-3 PM	1995	0.0	1500	1499	496	16.23+	413	60.2	9.9	30.8	
3-4 PM	2026	0.0	1499	1499	527	16.24+	413	60.2	9.9	30.8	
4-5 PM	2160	0.0	1499	1499	660	16.24+	413	60.2	9.9	30.8	
5-6 PM	1958	0.0	1499	1499	458	16.23+	413	60.2	9.9	30.8	
6-7 PM	1734	0.0	1500	1499	234	16.22+	413	60.2	9.9	30.8	
7-8 PM	1470	0.0	OFF	1470	0	0.52	34	60.2	50.7	50.7	
8-9 PM	1131	0.0	OFF	1131	0	0.00	0	60.2	60.2	60.2	
9-10 PM	938	0.0	OFF	938	0	0.00	0	60.2	60.2	60.2	
10-11 PM	676	0.0	OFF	676	0	0.00	0	60.2	60.2	60.2	
11PM-MID	497	0.0	OFF	497	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

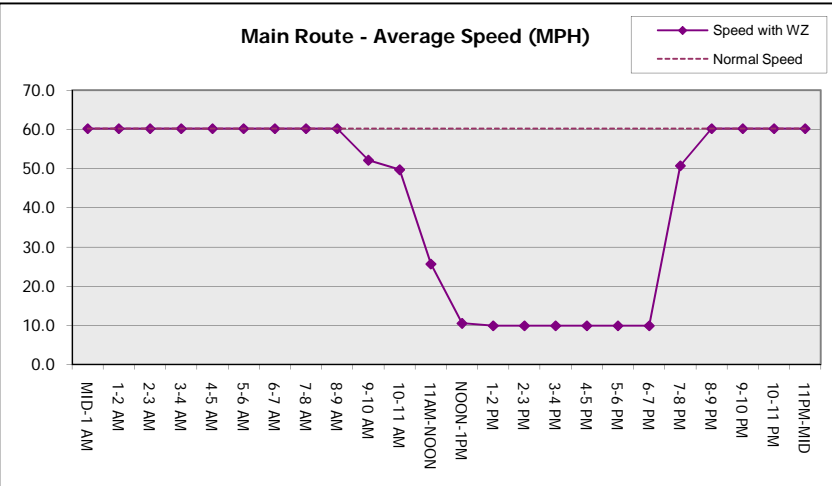
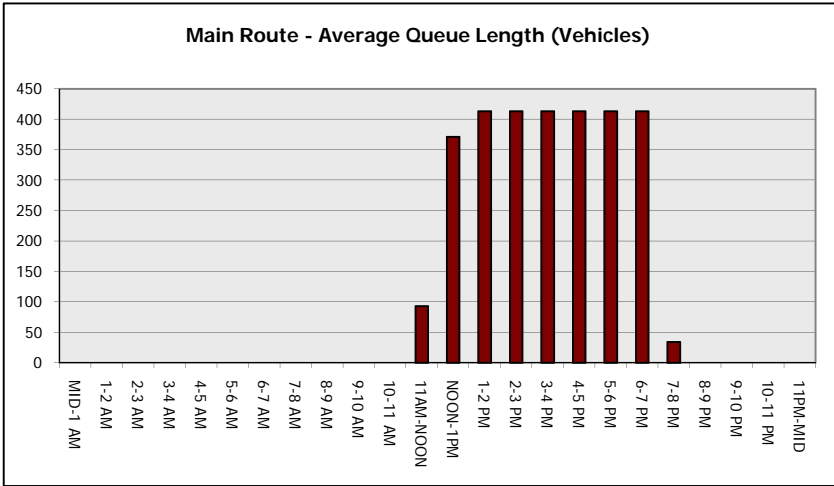
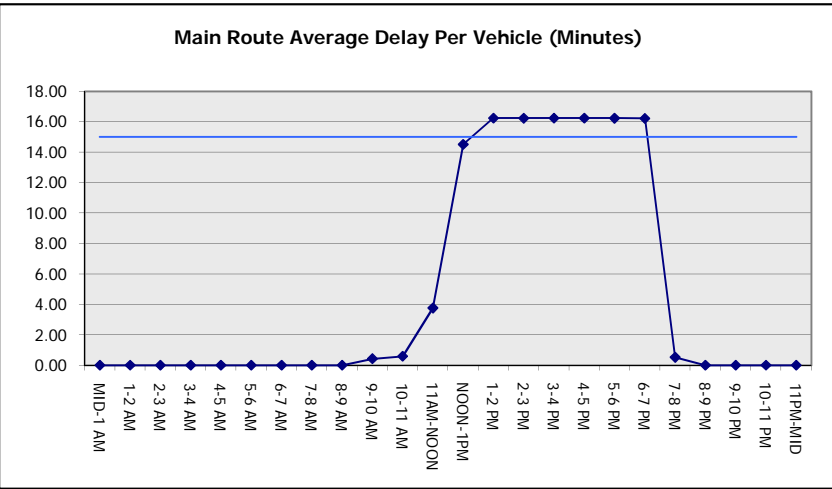
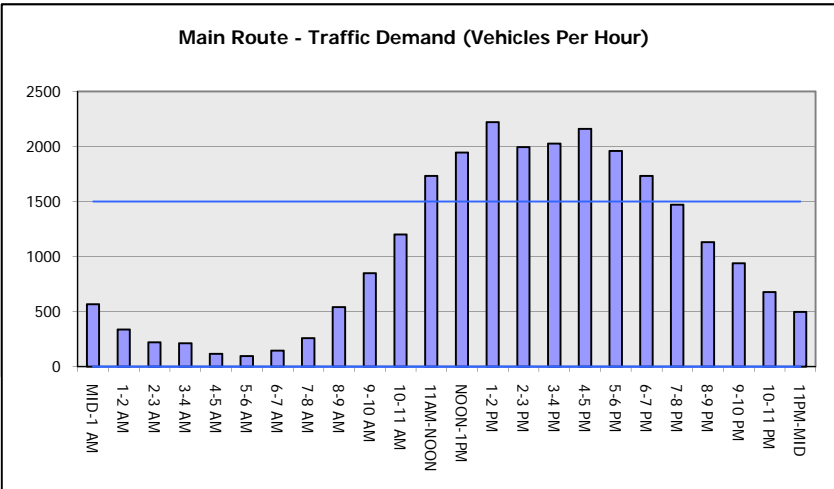
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0112
MAIN ROUTE WITH WORKS	0.0087
'DIVERSION'	0.0035
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$64,046
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY 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>MAY</b>
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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 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	670	0.0	OFF	670	0	0.00	0	60.2	60.2	60.2	
1-2 AM	418	0.0	OFF	418	0	0.00	0	60.2	60.2	60.2	
2-3 AM	236	0.0	OFF	236	0	0.00	0	60.2	60.2	60.2	
3-4 AM	168	0.0	OFF	168	0	0.00	0	60.2	60.2	60.2	
4-5 AM	111	0.0	OFF	111	0	0.00	0	60.2	60.2	60.2	
5-6 AM	84	0.0	OFF	84	0	0.00	0	60.2	60.2	60.2	
6-7 AM	161	0.0	OFF	161	0	0.00	0	60.2	60.2	60.2	
7-8 AM	373	0.0	OFF	373	0	0.00	0	60.2	60.2	60.2	
8-9 AM	498	0.0	OFF	498	0	0.00	0	60.2	60.2	60.2	
9-10 AM	831	0.0	1500	831	0	0.43	0	60.2	52.2	42.3	
10-11 AM	1266	0.0	1499	1266	0	0.66	0	60.2	48.7	36.7	
11AM-NOON	1688	0.0	1499	1688	0	3.20	73	60.2	28.0	30.8	
NOON-1PM	1918	0.0	1500	1677	241	13.30+	344	60.2	11.1	30.8	
1-2 PM	2233	0.0	1500	1504	729	16.25+	413	60.2	9.9	30.8	
2-3 PM	2178	0.0	1500	1504	674	16.24+	413	60.2	9.9	30.8	
3-4 PM	2127	0.0	1500	1503	624	16.24+	413	60.2	9.9	30.8	
4-5 PM	2250	0.0	1500	1503	747	16.25+	413	60.2	9.9	30.8	
5-6 PM	2037	0.0	1500	1503	534	16.24+	413	60.2	9.9	30.8	
6-7 PM	1872	0.0	1500	1503	369	16.23+	413	60.2	9.9	30.8	
7-8 PM	1518	0.0	OFF	1518	0	0.45	29	60.2	51.9	51.9	
8-9 PM	1247	0.0	OFF	1247	0	0.00	0	60.2	60.2	60.2	
9-10 PM	1071	0.0	OFF	1071	0	0.00	0	60.2	60.2	60.2	
10-11 PM	790	0.0	OFF	790	0	0.00	0	60.2	60.2	60.2	
11PM-MID	545	0.0	OFF	545	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	0.0117
MAIN ROUTE WITH WORKS	0.0090
'DIVERSION'	0.0040
<small>PIA: Personal Injury Accidents</small>	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$65,722
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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

