

USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	318	0.0	OFF	318	0	0.00	0	60.2	60.2	60.2	
1-2 AM	183	0.0	OFF	183	0	0.00	0	60.2	60.2	60.2	
2-3 AM	107	0.0	OFF	107	0	0.00	0	60.2	60.2	60.2	
3-4 AM	86	0.0	OFF	86	0	0.00	0	60.2	60.2	60.2	
4-5 AM	87	0.0	OFF	87	0	0.00	0	60.2	60.2	60.2	
5-6 AM	213	0.0	OFF	213	0	0.00	0	60.2	60.2	60.2	
6-7 AM	628	0.0	OFF	628	0	0.00	0	60.2	60.2	60.2	
7-8 AM	1993	0.0	OFF	1993	0	0.00	0	60.2	60.2	60.2	
8-9 AM	3162	0.0	OFF	3162	0	0.00	0	54.1	54.1	54.1	
9-10 AM	2581	0.0	OFF	2581	0	0.00	0	60.1	60.1	60.1	
10-11 AM	1978	0.0	1499	1974	4	9.12+	257	60.2	14.7	30.8	
11AM-NOON	1957	0.0	1500	1458	498	16.10+	409	60.2	9.9	30.8	
NOON-1PM	2201	0.0	1499	1498	702	16.24+	413	60.2	9.9	30.8	
1-2 PM	2438	0.0	1499	1499	939	16.26+	414	60.2	9.9	30.8	
2-3 PM	2356	0.0	1499	1499	858	16.25+	414	60.2	9.9	30.8	
3-4 PM	2409	0.0	OFF	2409	0	1.00	57	60.2	44.3	44.3	
4-5 PM	2661	0.0	OFF	2661	0	0.00	0	59.2	59.2	59.2	
5-6 PM	3186	0.0	OFF	3186	0	0.00	0	53.8	53.8	53.8	
6-7 PM	3151	0.0	OFF	3151	0	0.00	0	54.2	54.2	54.2	
7-8 PM	2255	0.0	OFF	2255	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1638	0.0	OFF	1638	0	0.00	0	60.2	60.2	60.2	
9-10 PM	1333	0.0	OFF	1333	0	0.00	0	60.2	60.2	60.2	
10-11 PM	972	0.0	OFF	972	0	0.00	0	60.2	60.2	60.2	
11PM-MID	620	0.0	OFF	620	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

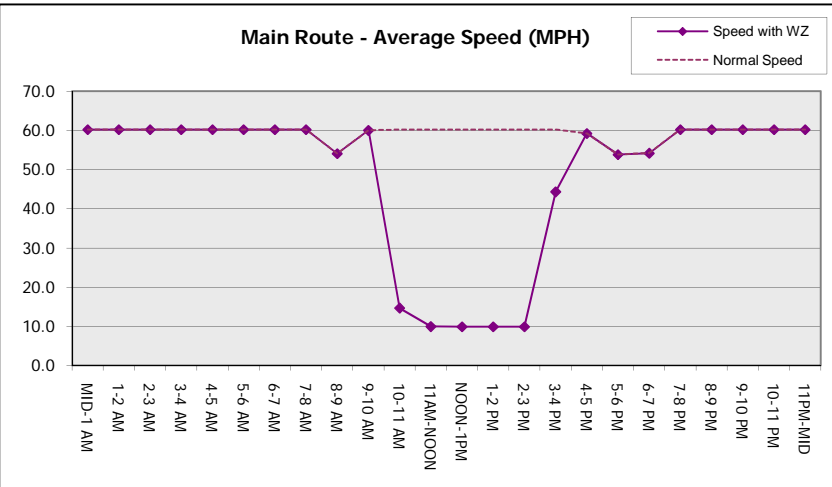
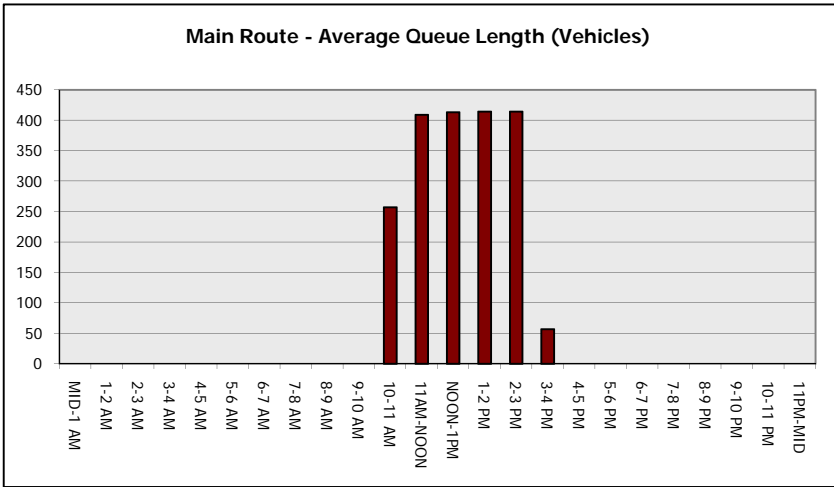
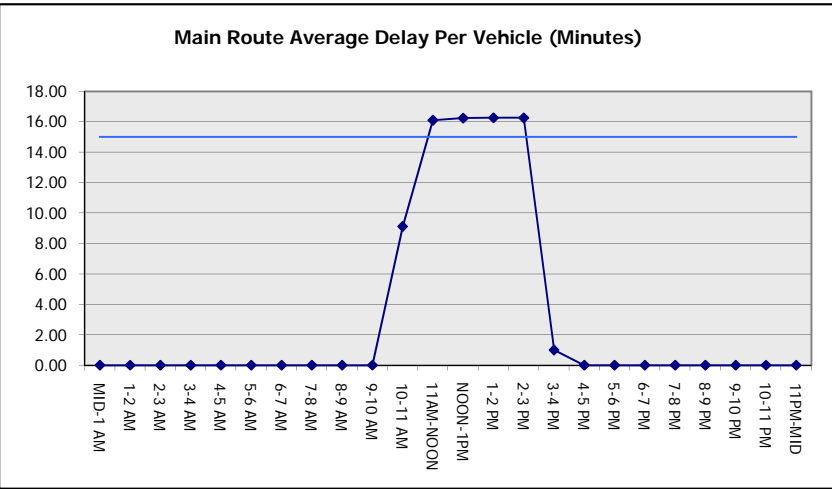
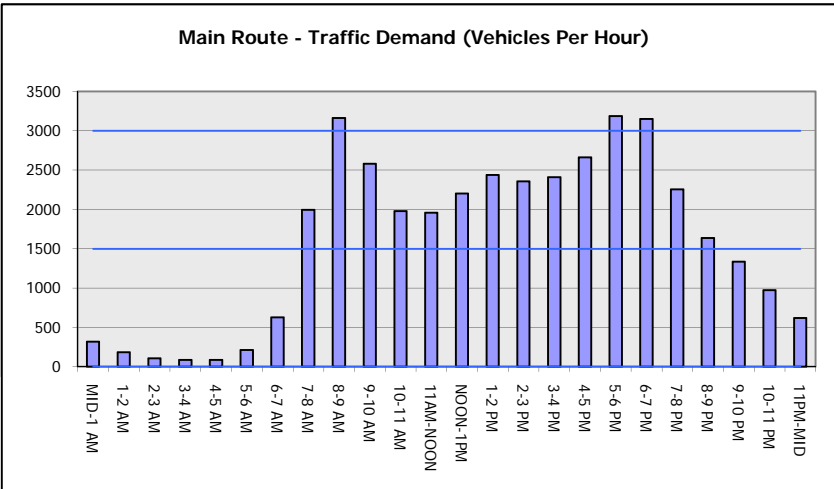
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0172
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0031
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,147
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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



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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	453	0.0	OFF	453	0	0.00	0	60.2	60.2	60.2
1-2 AM	232	0.0	OFF	232	0	0.00	0	60.2	60.2	60.2
2-3 AM	130	0.0	OFF	130	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	104	0.0	OFF	104	0	0.00	0	60.2	60.2	60.2
5-6 AM	185	0.0	OFF	185	0	0.00	0	60.2	60.2	60.2
6-7 AM	661	0.0	OFF	661	0	0.00	0	60.2	60.2	60.2
7-8 AM	1796	0.0	OFF	1796	0	0.00	0	60.2	60.2	60.2
8-9 AM	2931	0.0	OFF	2931	0	0.00	0	56.4	56.4	56.4
9-10 AM	2392	0.0	OFF	2392	0	0.00	0	60.2	60.2	60.2
10-11 AM	1868	0.0	1499	1868	0	7.27	199	60.2	16.8	30.8
11AM-NOON	1908	0.0	1499	1507	401	16.21+	412	60.2	9.9	30.8
NOON-1PM	2302	0.0	1500	1504	798	16.25+	414	60.2	9.9	30.8
1-2 PM	2436	0.0	1500	1507	929	16.27+	414	60.2	9.9	30.8
2-3 PM	2395	0.0	1500	1503	892	16.25+	414	60.2	9.9	30.8
3-4 PM	2582	0.0	OFF	2582	0	1.00	53	60.1	44.3	44.3
4-5 PM	2983	0.0	OFF	2983	0	0.00	0	56.0	56.0	56.0
5-6 PM	3378	0.0	OFF	3378	0	0.00	0	51.9	51.9	51.9
6-7 PM	3096	0.0	OFF	3096	0	0.00	0	54.8	54.8	54.8
7-8 PM	2180	0.0	OFF	2180	0	0.00	0	60.2	60.2	60.2
8-9 PM	1687	0.0	OFF	1687	0	0.00	0	60.2	60.2	60.2
9-10 PM	1495	0.0	OFF	1495	0	0.00	0	60.2	60.2	60.2
10-11 PM	1164	0.0	OFF	1164	0	0.00	0	60.2	60.2	60.2
11PM-MID	735	0.0	OFF	735	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	0.0175
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0031

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$35,584
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

