

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

SATURDAY 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	609	0.0	OFF	609	0	0.00	0	60.2	60.2	60.2	
1-2 AM	361	0.0	OFF	361	0	0.00	0	60.2	60.2	60.2	
2-3 AM	213	0.0	OFF	213	0	0.00	0	60.2	60.2	60.2	
3-4 AM	189	0.0	OFF	189	0	0.00	0	60.2	60.2	60.2	
4-5 AM	143	0.0	OFF	143	0	0.00	0	60.2	60.2	60.2	
5-6 AM	133	0.0	OFF	133	0	0.00	0	60.2	60.2	60.2	
6-7 AM	235	0.0	OFF	235	0	0.00	0	60.2	60.2	60.2	
7-8 AM	498	0.0	OFF	498	0	0.00	0	60.2	60.2	60.2	
8-9 AM	976	0.0	1499	976	0	0.45	0	60.2	51.9	41.8	
9-10 AM	1429	0.0	1499	1429	0	0.98	3	60.2	44.5	32.8	
10-11 AM	1795	0.0	1500	1795	0	5.23	139	60.2	20.9	30.8	
11AM-NOON	2183	0.0	1499	1582	601	15.93+	405	60.2	9.9	30.8	
NOON-1PM	2357	0.0	1500	1502	856	16.25+	414	60.2	9.9	30.8	
1-2 PM	2353	0.0	1500	1502	852	16.25+	414	60.2	9.9	30.8	
2-3 PM	2260	0.0	1500	1502	759	16.25+	413	60.2	9.9	30.8	
3-4 PM	2157	0.0	1500	1501	655	16.24+	413	60.2	9.9	30.8	
4-5 PM	2241	0.0	1500	1501	740	16.25+	413	60.2	9.9	30.8	
5-6 PM	2274	0.0	1500	1501	773	16.25+	413	60.2	9.9	30.8	
6-7 PM	2016	0.0	OFF	2016	0	0.61	40	60.2	49.5	49.5	
7-8 PM	1792	0.0	OFF	1792	0	0.00	0	60.2	60.2	60.2	
8-9 PM	1385	0.0	OFF	1385	0	0.00	0	60.2	60.2	60.2	
9-10 PM	1213	0.0	OFF	1213	0	0.00	0	60.2	60.2	60.2	
10-11 PM	1015	0.0	OFF	1015	0	0.00	0	60.2	60.2	60.2	
11PM-MID	765	0.0	OFF	765	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	0.0136
MAIN ROUTE WITH WORKS	0.0103
'DIVERSION'	0.0054
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$73,464
CONGESTED HOURS PER DAY*	7

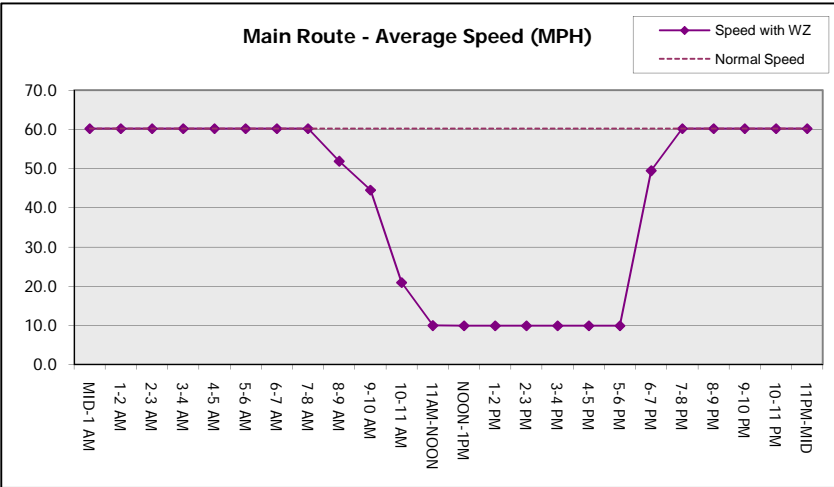
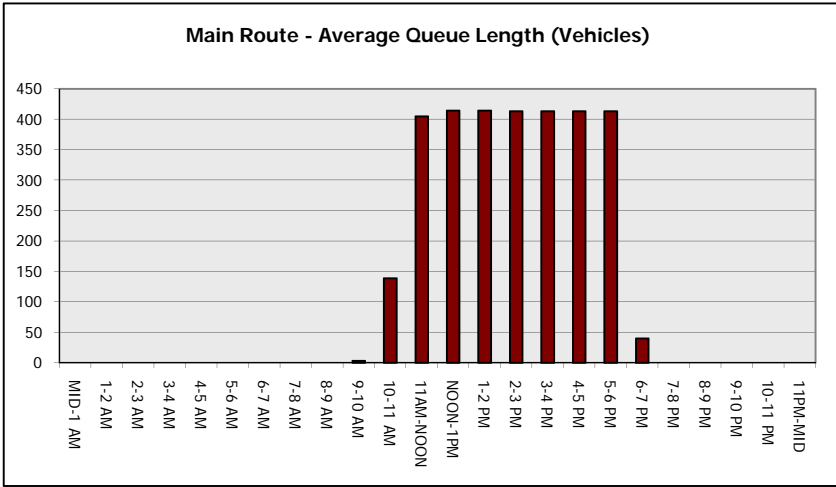
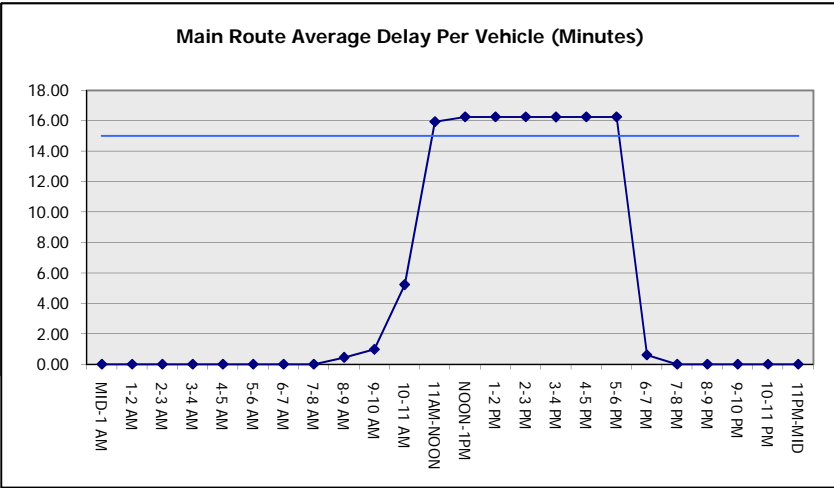
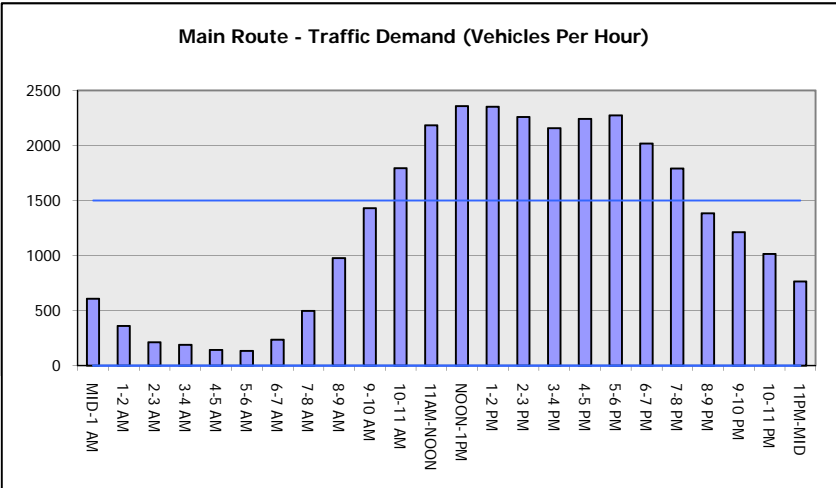
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	770	0.0	OFF	770	0	0.00	0	60.2	60.2	60.2
1-2 AM	401	0.0	OFF	401	0	0.00	0	60.2	60.2	60.2
2-3 AM	242	0.0	OFF	242	0	0.00	0	60.2	60.2	60.2
3-4 AM	152	0.0	OFF	152	0	0.00	0	60.2	60.2	60.2
4-5 AM	99	0.0	OFF	99	0	0.00	0	60.2	60.2	60.2
5-6 AM	133	0.0	OFF	133	0	0.00	0	60.2	60.2	60.2
6-7 AM	213	0.0	OFF	213	0	0.00	0	60.2	60.2	60.2
7-8 AM	505	0.0	OFF	505	0	0.00	0	60.2	60.2	60.2
8-9 AM	938	0.0	1500	938	0	0.44	0	60.2	52.0	41.9
9-10 AM	1366	0.0	1499	1366	0	0.79	0	60.2	46.9	34.0
10-11 AM	1694	0.0	1499	1694	0	3.31	77	60.2	27.6	30.8
11AM-NOON	2007	0.0	1500	1720	287	13.92+	358	60.2	10.8	30.8
NOON-1PM	2229	0.0	1500	1500	729	16.25+	413	60.2	9.9	30.8
1-2 PM	2320	0.0	1500	1500	820	16.25+	413	60.2	9.9	30.8
2-3 PM	2305	0.0	1500	1500	805	16.25+	413	60.2	9.9	30.8
3-4 PM	2283	0.0	1500	1500	783	16.25+	413	60.2	9.9	30.8
4-5 PM	2159	0.0	1500	1500	659	16.24+	413	60.2	9.9	30.8
5-6 PM	2109	0.0	1500	1500	610	16.24+	413	60.2	9.9	30.8
6-7 PM	1977	0.0	OFF	1977	0	0.64	42	60.2	49.1	49.1
7-8 PM	1738	0.0	OFF	1738	0	0.00	0	60.2	60.2	60.2
8-9 PM	1481	0.0	OFF	1481	0	0.00	0	60.2	60.2	60.2
9-10 PM	1313	0.0	OFF	1313	0	0.00	0	60.2	60.2	60.2
10-11 PM	1171	0.0	OFF	1171	0	0.00	0	60.2	60.2	60.2
11PM-MID	923	0.0	OFF	923	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	0.0136
MAIN ROUTE WITH WORKS	0.0106
'DIVERSION'	0.0048

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$69,420
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

