

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

FRIDAY 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	423	0.0	OFF	423	0	0.00	0	60.2	60.2	60.2
1-2 AM	226	0.0	OFF	226	0	0.00	0	60.2	60.2	60.2
2-3 AM	139	0.0	OFF	139	0	0.00	0	60.2	60.2	60.2
3-4 AM	120	0.0	OFF	120	0	0.00	0	60.2	60.2	60.2
4-5 AM	100	0.0	OFF	100	0	0.00	0	60.2	60.2	60.2
5-6 AM	225	0.0	OFF	225	0	0.00	0	60.2	60.2	60.2
6-7 AM	642	0.0	OFF	642	0	0.00	0	60.2	60.2	60.2
7-8 AM	2086	0.0	OFF	2086	0	0.00	0	60.2	60.2	60.2
8-9 AM	3510	0.0	OFF	3510	0	0.00	0	50.5	50.5	50.5
9-10 AM	2808	0.0	OFF	2808	0	0.00	0	57.8	57.8	57.8
10-11 AM	2280	0.0	1499	1924	356	11.79+	313	60.2	12.2	30.8
11AM-NOON	2251	0.0	1499	1499	752	16.25+	413	60.2	9.9	30.8
NOON-1PM	2507	0.0	1499	1498	1009	16.26+	414	60.2	9.9	30.8
1-2 PM	2895	0.0	1499	1498	1398	16.23+	418	56.8	9.8	30.8
2-3 PM	2680	0.0	1500	1497	1183	16.23+	415	59.1	9.9	30.8
3-4 PM	2841	0.0	OFF	2841	0	1.36	75	57.4	39.2	39.2
4-5 PM	3094	0.0	OFF	3094	0	0.00	0	54.8	54.8	54.8
5-6 PM	3438	0.0	OFF	3438	0	0.00	0	51.3	51.3	51.3
6-7 PM	3150	0.0	OFF	3150	0	0.00	0	54.2	54.2	54.2
7-8 PM	2465	0.0	OFF	2465	0	0.00	0	60.2	60.2	60.2
8-9 PM	1924	0.0	OFF	1924	0	0.00	0	60.2	60.2	60.2
9-10 PM	1526	0.0	OFF	1526	0	0.00	0	60.2	60.2	60.2
10-11 PM	1181	0.0	OFF	1181	0	0.00	0	60.2	60.2	60.2
11PM-MID	867	0.0	OFF	867	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	0.0193
MAIN ROUTE WITH WORKS	0.0167
'DIVERSION'	0.0049
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,699
CONGESTED HOURS PER DAY*	5

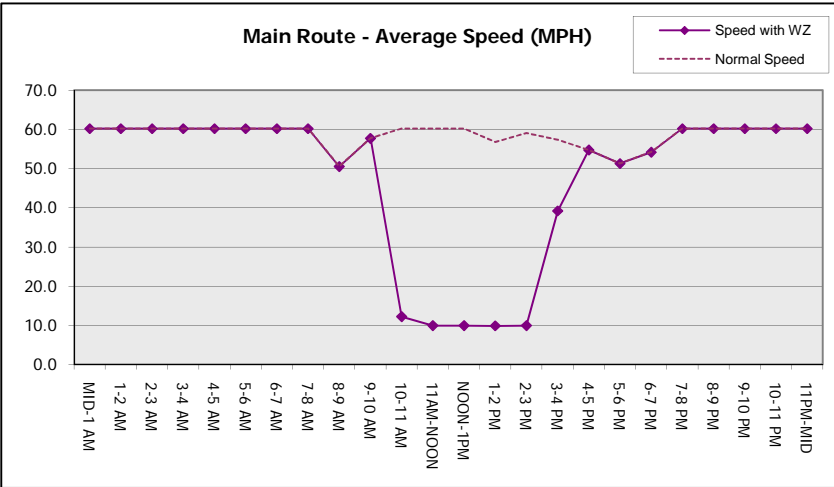
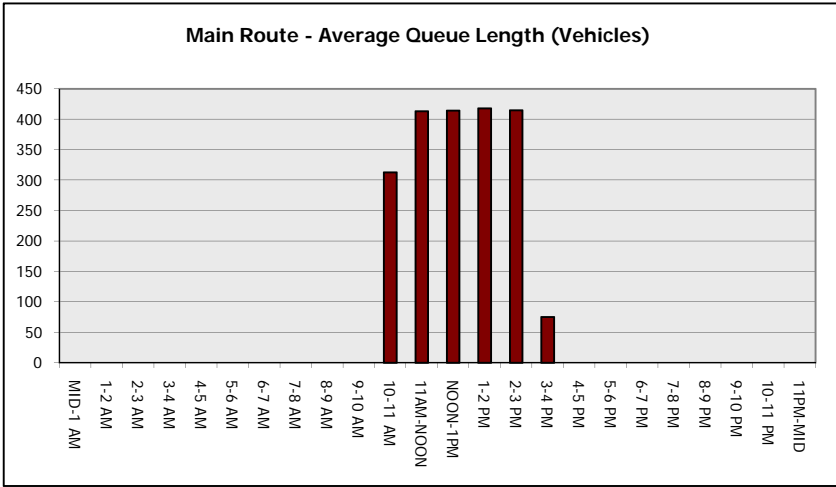
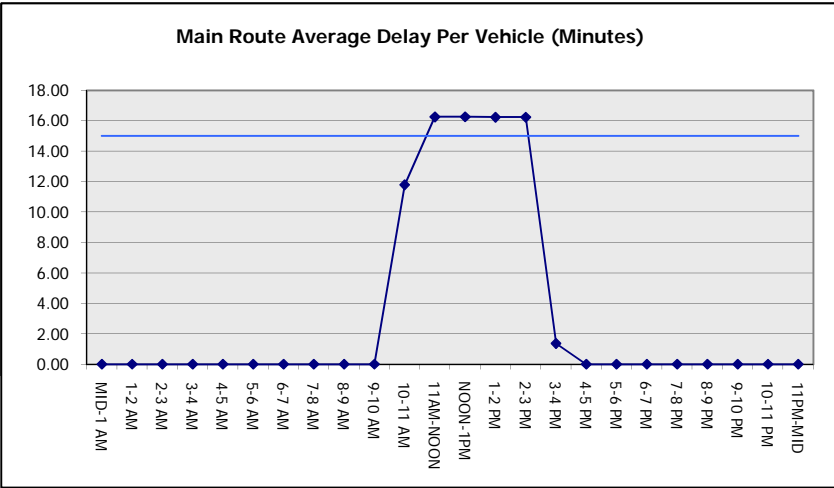
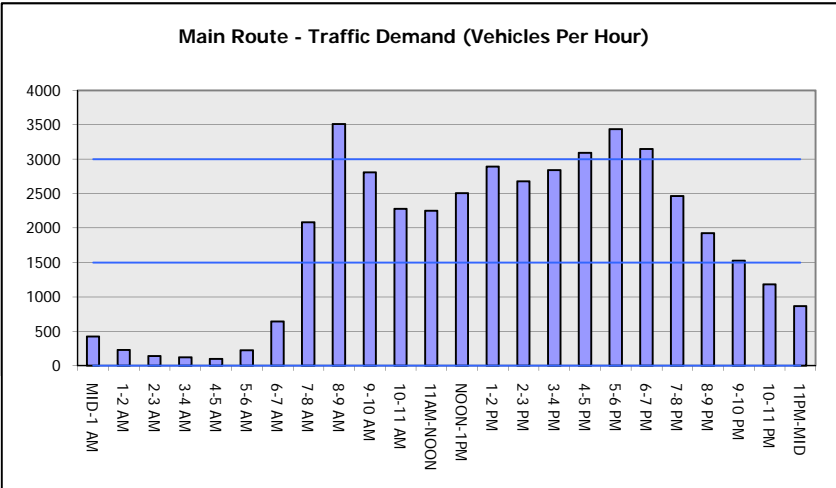
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY 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

FRIDAY 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	589	0.0	OFF	589	0	0.00	0	60.2	60.2	60.2
1-2 AM	304	0.0	OFF	304	0	0.00	0	60.2	60.2	60.2
2-3 AM	178	0.0	OFF	178	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	129	0.0	OFF	129	0	0.00	0	60.2	60.2	60.2
5-6 AM	203	0.0	OFF	203	0	0.00	0	60.2	60.2	60.2
6-7 AM	648	0.0	OFF	648	0	0.00	0	60.2	60.2	60.2
7-8 AM	1798	0.0	OFF	1798	0	0.00	0	60.2	60.2	60.2
8-9 AM	2949	0.0	OFF	2949	0	0.00	0	56.3	56.3	56.3
9-10 AM	2517	0.0	OFF	2517	0	0.00	0	60.2	60.2	60.2
10-11 AM	2044	0.0	1499	1933	111	9.54+	267	60.2	14.2	30.8
11AM-NOON	2123	0.0	1500	1498	625	16.24+	413	60.2	9.9	30.8
NOON-1PM	2560	0.0	1499	1495	1065	16.28+	414	60.2	9.9	30.8
1-2 PM	2762	0.0	1499	1494	1269	16.23+	416	58.2	9.8	30.8
2-3 PM	2730	0.0	1499	1497	1233	16.23+	416	58.6	9.9	30.8
3-4 PM	2819	0.0	OFF	2819	0	1.34	73	57.6	39.5	39.5
4-5 PM	3105	0.0	OFF	3105	0	0.00	0	54.7	54.7	54.7
5-6 PM	3133	0.0	OFF	3133	0	0.00	0	54.4	54.4	54.4
6-7 PM	2739	0.0	OFF	2739	0	0.00	0	58.4	58.4	58.4
7-8 PM	2205	0.0	OFF	2205	0	0.00	0	60.2	60.2	60.2
8-9 PM	1813	0.0	OFF	1813	0	0.00	0	60.2	60.2	60.2
9-10 PM	1660	0.0	OFF	1660	0	0.00	0	60.2	60.2	60.2
10-11 PM	1390	0.0	OFF	1390	0	0.00	0	60.2	60.2	60.2
11PM-MID	1006	0.0	OFF	1006	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	0.0185
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0044

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,498
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

