

USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY) NIGHTTIME 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	1500	423	0	0.38	0	60.2	53.0	43.8	
1-2 AM	226	0.0	1500	226	0	0.36	0	60.2	53.4	44.6	
2-3 AM	139	0.0	1500	139	0	0.35	0	60.2	53.6	44.9	
3-4 AM	120	0.0	1500	120	0	0.34	0	60.2	53.7	45.0	
4-5 AM	100	0.0	1500	100	0	0.34	0	60.2	53.7	45.1	
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	OFF	2280	0	0.00	0	60.2	60.2	60.2	
11AM-NOON	2251	0.0	OFF	2251	0	0.00	0	60.2	60.2	60.2	
NOON-1PM	2507	0.0	OFF	2507	0	0.00	0	60.2	60.2	60.2	
1-2 PM	2895	0.0	OFF	2895	0	0.00	0	56.8	56.8	56.8	
2-3 PM	2680	0.0	OFF	2680	0	0.00	0	59.1	59.1	59.1	
3-4 PM	2841	0.0	OFF	2841	0	0.00	0	57.4	57.4	57.4	
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	1499	1886	579	13.19+	339	60.2	11.1	32.4	
8-9 PM	1924	0.0	1499	1502	422	16.23+	413	60.2	9.9	30.8	
9-10 PM	1526	0.0	1500	1486	40	15.71+	399	60.2	10.1	30.8	
10-11 PM	1181	0.0	1499	1181	0	8.53	235	60.2	15.0	33.0	
11PM-MID	867	0.0	1500	867	0	0.51	2	60.2	50.9	42.2	

"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	0.0184
'DIVERSION'	0.0011
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,758
CONGESTED HOURS PER DAY*	3

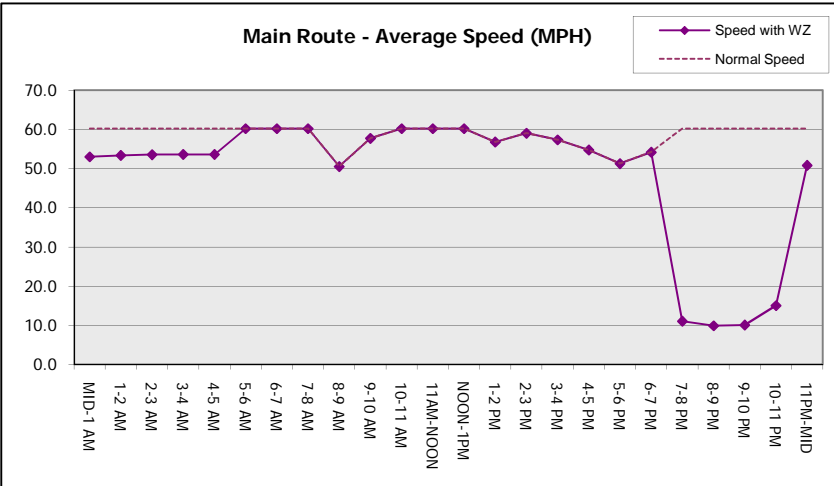
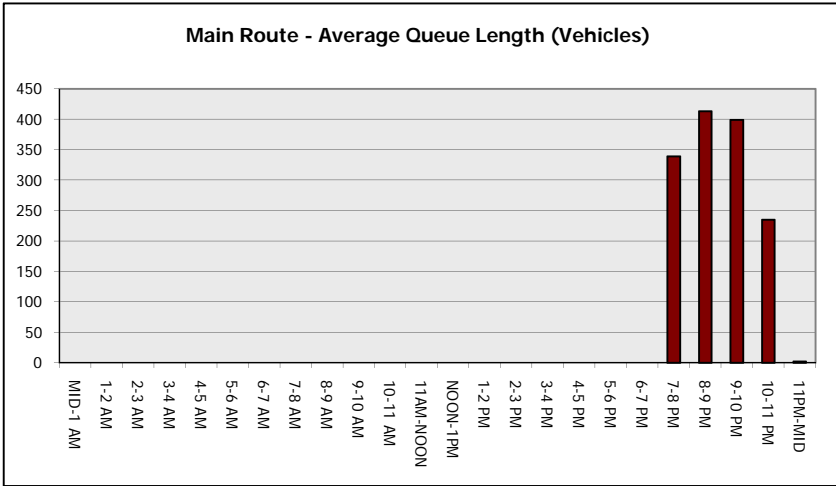
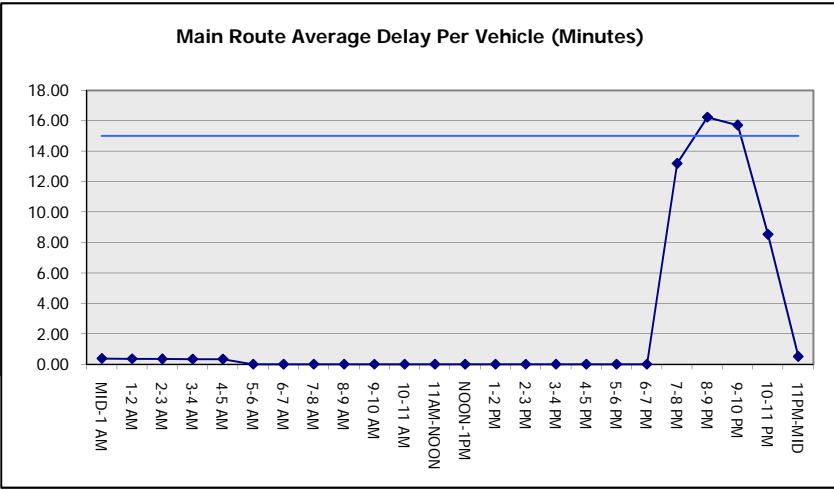
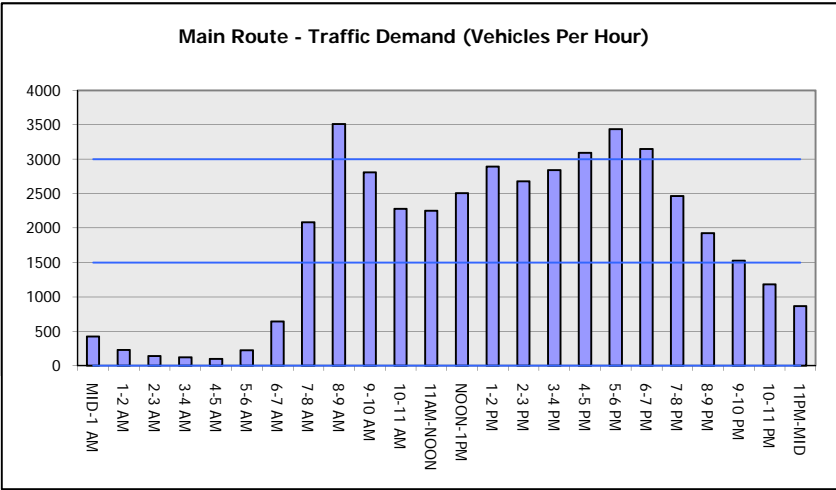
*Delays Exceeding User-Specified Maximum

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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) NIGHTTIME 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	1500	589	0	0.40	0	60.2	52.7	43.2
1-2 AM	304	0.0	1500	304	0	0.37	0	60.2	53.2	44.3
2-3 AM	178	0.0	1500	178	0	0.35	0	60.2	53.5	44.8
3-4 AM	168	0.0	1500	168	0	0.35	0	60.2	53.5	44.8
4-5 AM	129	0.0	1500	129	0	0.34	0	60.2	53.6	45.0
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	OFF	2044	0	0.00	0	60.2	60.2	60.2
11AM-NOON	2123	0.0	OFF	2123	0	0.00	0	60.2	60.2	60.2
NOON-1PM	2560	0.0	OFF	2560	0	0.00	0	60.2	60.2	60.2
1-2 PM	2762	0.0	OFF	2762	0	0.00	0	58.2	58.2	58.2
2-3 PM	2730	0.0	OFF	2730	0	0.00	0	58.6	58.6	58.6
3-4 PM	2819	0.0	OFF	2819	0	0.00	0	57.6	57.6	57.6
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	1499	1910	294	11.58+	309	60.2	12.4	30.8
8-9 PM	1813	0.0	1500	1500	313	16.22+	413	60.2	9.9	30.8
9-10 PM	1660	0.0	1500	1500	159	16.22+	413	60.2	9.9	30.8
10-11 PM	1390	0.0	1499	1390	0	14.80+	376	60.2	10.3	30.8
11PM-MID	1006	0.0	1499	1006	0	2.69	109	60.2	30.7	37.9

"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	0.0176
'DIVERSION'	0.0008

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$25,460
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

