

USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	409	0.0	1500	409	0	0.38	0	60.2	53.0	43.8	
1-2 AM	264	0.0	1500	264	0	0.36	0	60.2	53.3	44.4	
2-3 AM	179	0.0	1500	179	0	0.35	0	60.2	53.5	44.8	
3-4 AM	130	0.0	1500	130	0	0.34	0	60.2	53.6	45.0	
4-5 AM	106	0.0	1500	106	0	0.34	0	60.2	53.7	45.1	
5-6 AM	212	0.0	OFF	212	0	0.00	0	60.2	60.2	60.2	
6-7 AM	692	0.0	OFF	692	0	0.00	0	60.2	60.2	60.2	
7-8 AM	2059	0.0	OFF	2059	0	0.00	0	60.2	60.2	60.2	
8-9 AM	3745	0.0	OFF	3745	0	0.00	0	48.1	48.1	48.1	
9-10 AM	3020	0.0	OFF	3020	0	0.00	0	55.6	55.6	55.6	
10-11 AM	2380	0.0	OFF	2380	0	0.00	0	60.2	60.2	60.2	
11AM-NOON	2500	0.0	OFF	2500	0	0.00	0	60.2	60.2	60.2	
NOON-1PM	2851	0.0	OFF	2851	0	0.00	0	57.3	57.3	57.3	
1-2 PM	3167	0.0	OFF	3167	0	0.00	0	54.0	54.0	54.0	
2-3 PM	3141	0.0	OFF	3141	0	0.00	0	54.3	54.3	54.3	
3-4 PM	3380	0.0	OFF	3380	0	0.00	0	51.9	51.9	51.9	
4-5 PM	3600	0.0	OFF	3600	0	0.00	0	49.6	49.6	49.6	
5-6 PM	3871	0.0	OFF	3871	0	0.00	0	46.8	46.8	46.8	
6-7 PM	3637	0.0	OFF	3637	0	0.00	0	49.2	49.2	49.2	
7-8 PM	2692	0.0	1499	1682	1010	14.35+	376	58.9	10.6	35.8	
8-9 PM	2017	0.0	1499	1692	326	14.32+	369	60.2	10.6	31.2	
9-10 PM	1539	0.0	1499	1521	19	15.89+	404	60.2	10.0	30.8	
10-11 PM	1307	0.0	1499	1307	0	12.46+	317	60.2	11.4	30.8	
11PM-MID	932	0.0	1500	932	0	1.40	44	60.2	40.1	40.5	

"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	0.0213
MAIN ROUTE WITH WORKS	0.0202
'DIVERSION'	0.0014
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,221
CONGESTED HOURS PER DAY*	4

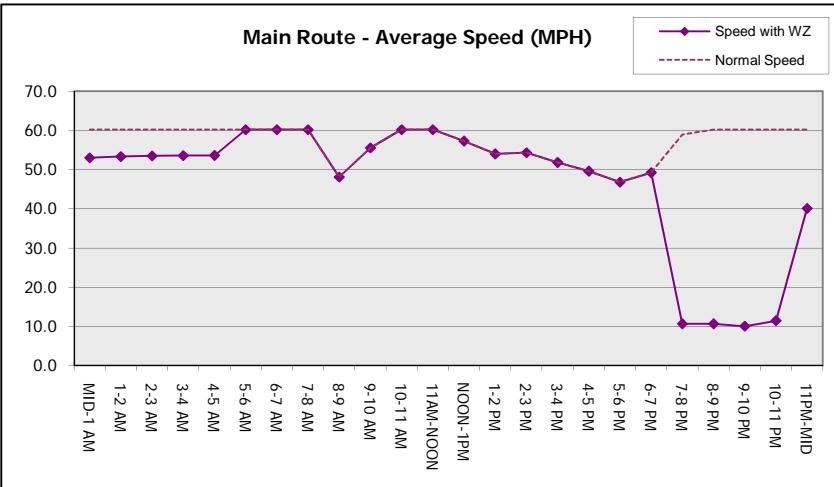
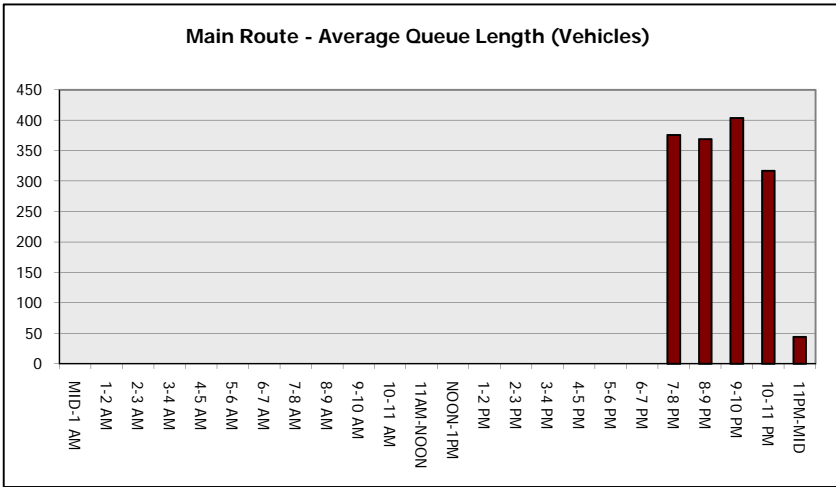
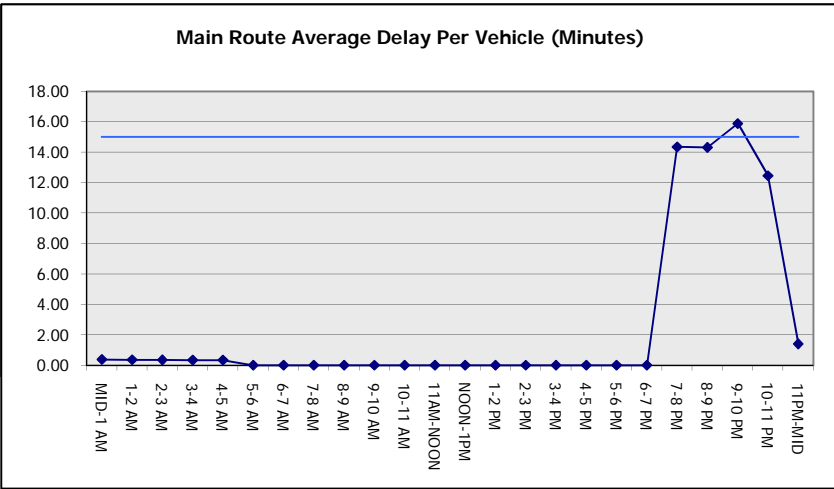
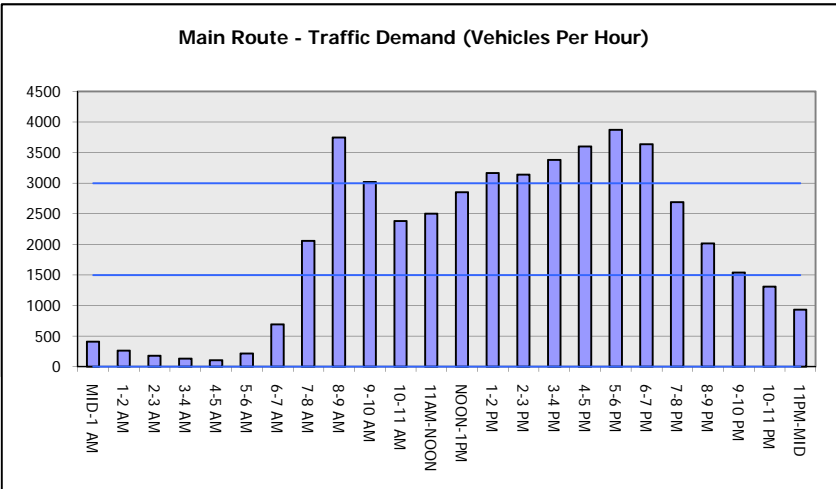
*Delays Exceeding User-Specified Maximum

**USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

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)	AUGUST
	Analyzed for 2009 Construction Season

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	721	0.0	1500	721	0	0.42	0	60.2	52.4	42.7	
1-2 AM	318	0.0	1500	318	0	0.37	0	60.2	53.2	44.2	
2-3 AM	193	0.0	1500	193	0	0.35	0	60.2	53.5	44.7	
3-4 AM	129	0.0	1500	129	0	0.34	0	60.2	53.6	45.0	
4-5 AM	127	0.0	1500	127	0	0.34	0	60.2	53.6	45.0	
5-6 AM	194	0.0	OFF	194	0	0.00	0	60.2	60.2	60.2	
6-7 AM	650	0.0	OFF	650	0	0.00	0	60.2	60.2	60.2	
7-8 AM	1805	0.0	OFF	1805	0	0.00	0	60.2	60.2	60.2	
8-9 AM	3102	0.0	OFF	3102	0	0.00	0	54.7	54.7	54.7	
9-10 AM	2691	0.0	OFF	2691	0	0.00	0	58.9	58.9	58.9	
10-11 AM	2225	0.0	OFF	2225	0	0.00	0	60.2	60.2	60.2	
11AM-NOON	2362	0.0	OFF	2362	0	0.00	0	60.2	60.2	60.2	
NOON-1PM	2887	0.0	OFF	2887	0	0.00	0	56.9	56.9	56.9	
1-2 PM	3146	0.0	OFF	3146	0	0.00	0	54.3	54.3	54.3	
2-3 PM	3083	0.0	OFF	3083	0	0.00	0	54.9	54.9	54.9	
3-4 PM	3180	0.0	OFF	3180	0	0.00	0	53.9	53.9	53.9	
4-5 PM	3564	0.0	OFF	3564	0	0.00	0	50.0	50.0	50.0	
5-6 PM	3636	0.0	OFF	3636	0	0.00	0	49.2	49.2	49.2	
6-7 PM	3193	0.0	OFF	3193	0	0.00	0	53.8	53.8	53.8	
7-8 PM	2390	0.0	1499	1912	478	12.92+	332	60.2	11.2	31.6	
8-9 PM	1835	0.0	1499	1500	335	16.23+	413	60.2	9.9	30.8	
9-10 PM	1594	0.0	1500	1500	94	16.21+	413	60.2	9.9	30.8	
10-11 PM	1420	0.0	1499	1420	0	15.30+	388	60.2	10.2	30.8	
11PM-MID	1046	0.0	1499	1046	0	3.53	140	60.2	26.6	37.1	

"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	0.0203
MAIN ROUTE WITH WORKS	0.0193
'DIVERSION'	0.0009

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,828
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

**USH 12/14: GAMMON RD TO VERONA RD (DANE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

