

USH 12/14: GAMMON RD TO VERONA RD (DANE) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	603	0.0	1500	603	0	0.40	0	60.2	52.7	43.1	
1-2 AM	393	0.0	1500	393	0	0.38	0	60.2	53.1	43.9	
2-3 AM	250	0.0	1500	250	0	0.36	0	60.2	53.3	44.5	
3-4 AM	201	0.0	1500	201	0	0.35	0	60.2	53.5	44.6	
4-5 AM	102	0.0	1500	102	0	0.34	0	60.2	53.7	45.1	
5-6 AM	85	0.0	1500	85	0	0.34	0	60.2	53.7	45.1	
6-7 AM	110	0.0	1500	110	0	0.34	0	60.2	53.7	45.0	
7-8 AM	279	0.0	1500	279	0	0.36	0	60.2	53.3	44.3	
8-9 AM	490	0.0	1500	490	0	0.39	0	60.2	52.8	43.5	
9-10 AM	859	0.0	1500	859	0	0.43	0	60.2	52.1	42.2	
10-11 AM	1134	0.0	1499	1134	0	0.53	0	60.2	50.6	39.6	
11AM-NOON	1581	0.0	1499	1581	0	1.66	24	60.2	37.8	31.1	
NOON-1PM	2026	0.0	1500	1782	244	11.35+	305	60.2	12.5	30.8	
1-2 PM	2192	0.0	1499	1503	689	16.24+	413	60.2	9.9	30.8	
2-3 PM	2206	0.0	1500	1503	703	16.24+	413	60.2	9.9	30.8	
3-4 PM	2147	0.0	1500	1502	645	16.24+	413	60.2	9.9	30.8	
4-5 PM	2205	0.0	1500	1502	703	16.24+	413	60.2	9.9	30.8	
5-6 PM	2085	0.0	1500	1502	583	16.24+	413	60.2	9.9	30.8	
6-7 PM	1748	0.0	1500	1502	246	16.22+	413	60.2	9.9	30.8	
7-8 PM	1472	0.0	1500	1472	0	15.55+	395	60.2	10.1	30.8	
8-9 PM	1217	0.0	1499	1217	0	8.85	235	60.2	14.6	32.1	
9-10 PM	1081	0.0	1500	1081	0	0.70	8	60.2	48.1	40.9	
10-11 PM	888	0.0	1500	888	0	0.44	0	60.2	52.0	42.0	
11PM-MID	537	0.0	1500	537	0	0.39	0	60.2	52.8	43.3	

+ 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

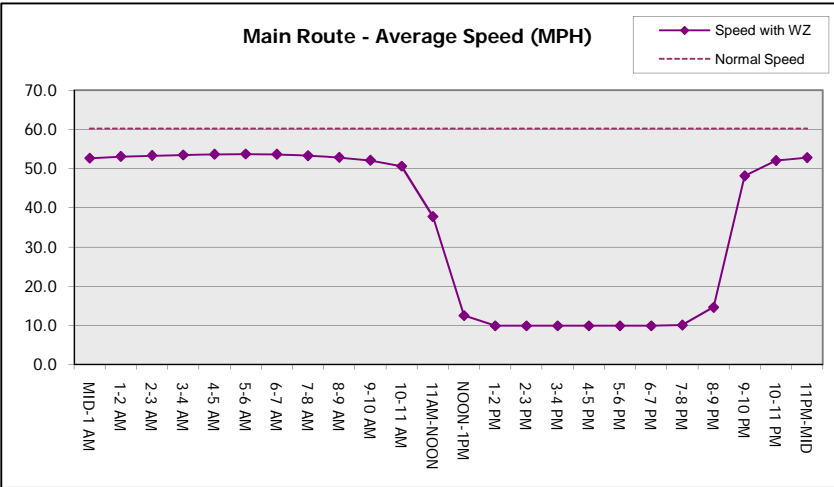
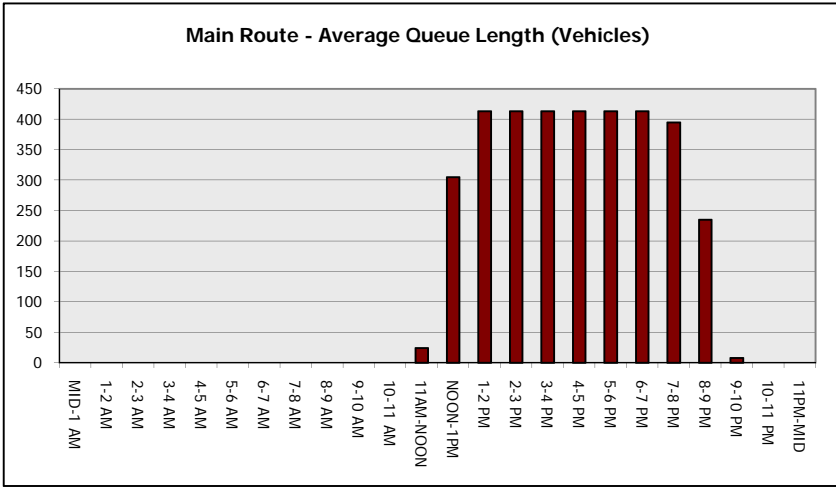
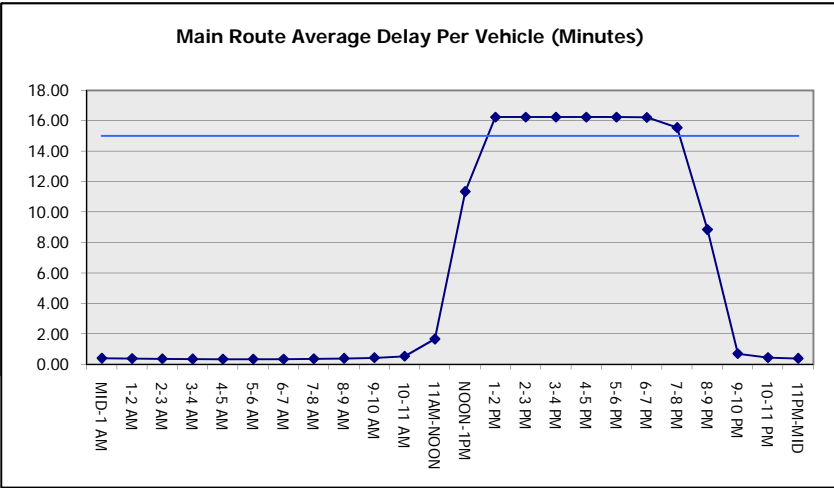
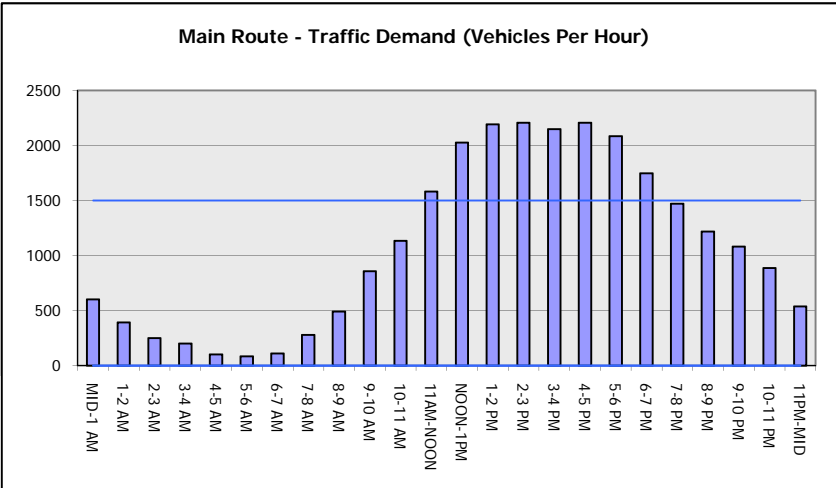
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0115
MAIN ROUTE WITH WORKS	0.0084
'DIVERSION'	0.0039
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$74,863
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



USH 12/14: GAMMON RD TO VERONA RD (DANE) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	779	0.0	1500	779	0	0.42	0	60.2	52.3	42.5
1-2 AM	444	0.0	1500	444	0	0.38	0	60.2	53.0	43.7
2-3 AM	234	0.0	1500	234	0	0.36	0	60.2	53.4	44.5
3-4 AM	231	0.0	1500	231	0	0.36	0	60.2	53.4	44.6
4-5 AM	115	0.0	1500	115	0	0.34	0	60.2	53.7	45.0
5-6 AM	95	0.0	1500	95	0	0.34	0	60.2	53.7	45.1
6-7 AM	133	0.0	1500	133	0	0.34	0	60.2	53.6	45.0
7-8 AM	312	0.0	1500	312	0	0.37	0	60.2	53.2	44.2
8-9 AM	465	0.0	1500	465	0	0.39	0	60.2	52.9	43.7
9-10 AM	797	0.0	1500	797	0	0.43	0	60.2	52.2	42.4
10-11 AM	1239	0.0	1499	1239	0	0.62	0	60.2	49.3	37.6
11AM-NOON	1726	0.0	1499	1726	0	3.54	87	60.2	26.5	30.8
NOON-1PM	2059	0.0	1500	1744	316	14.86+	381	60.2	10.4	30.8
1-2 PM	2261	0.0	1499	1495	766	16.25+	413	60.2	9.9	30.8
2-3 PM	2303	0.0	1499	1495	808	16.25+	413	60.2	9.9	30.8
3-4 PM	2371	0.0	1499	1494	877	16.26+	414	60.2	9.9	30.8
4-5 PM	2494	0.0	1499	1491	1003	16.29+	415	60.2	9.9	30.8
5-6 PM	2421	0.0	1499	1497	925	16.26+	414	60.2	9.9	30.8
6-7 PM	2272	0.0	1499	1498	774	16.25+	413	60.2	9.9	30.8
7-8 PM	1962	0.0	1499	1498	464	16.23+	413	60.2	9.9	30.8
8-9 PM	1662	0.0	1499	1469	193	16.10+	410	60.2	9.9	30.8
9-10 PM	1261	0.0	1499	1261	0	11.89+	307	60.2	11.9	31.2
10-11 PM	1000	0.0	1500	1000	0	1.21	33	60.2	42.0	40.4
11PM-MID	619	0.0	1500	619	0	0.40	0	60.2	52.6	43.0

+ 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	0.0130
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0063

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$96,383
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

