

USH 12/14: GAMMON RD TO VERONA RD (DANE) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	566	0.0	1500	566	0	0.40	0	60.2	52.7	43.3	
1-2 AM	336	0.0	1500	336	0	0.37	0	60.2	53.2	44.2	
2-3 AM	221	0.0	1500	221	0	0.36	0	60.2	53.4	44.6	
3-4 AM	212	0.0	1500	212	0	0.35	0	60.2	53.5	44.6	
4-5 AM	116	0.0	1500	116	0	0.34	0	60.2	53.7	45.0	
5-6 AM	96	0.0	1500	96	0	0.34	0	60.2	53.7	45.1	
6-7 AM	144	0.0	1500	144	0	0.35	0	60.2	53.6	44.9	
7-8 AM	260	0.0	1500	260	0	0.36	0	60.2	53.3	44.5	
8-9 AM	541	0.0	1500	541	0	0.40	0	60.2	52.8	43.3	
9-10 AM	850	0.0	1500	850	0	0.43	0	60.2	52.2	42.2	
10-11 AM	1202	0.0	1499	1202	0	0.59	0	60.2	49.7	38.3	
11AM-NOON	1734	0.0	1499	1734	0	3.76	93	60.2	25.6	30.8	
NOON-1PM	1944	0.0	1500	1691	253	14.51+	371	60.2	10.5	30.8	
1-2 PM	2222	0.0	1499	1499	723	16.24+	413	60.2	9.9	30.8	
2-3 PM	1995	0.0	1500	1499	496	16.23+	413	60.2	9.9	30.8	
3-4 PM	2026	0.0	1499	1499	527	16.24+	413	60.2	9.9	30.8	
4-5 PM	2160	0.0	1499	1499	660	16.24+	413	60.2	9.9	30.8	
5-6 PM	1958	0.0	1499	1499	458	16.23+	413	60.2	9.9	30.8	
6-7 PM	1734	0.0	1500	1499	234	16.22+	413	60.2	9.9	30.8	
7-8 PM	1470	0.0	1499	1443	27	15.75+	400	60.2	10.0	30.8	
8-9 PM	1131	0.0	1499	1131	0	6.39	195	60.2	18.4	34.2	
9-10 PM	938	0.0	1500	938	0	0.44	0	60.2	52.0	41.9	
10-11 PM	676	0.0	1500	676	0	0.41	0	60.2	52.5	42.8	
11PM-MID	497	0.0	1500	497	0	0.39	0	60.2	52.8	43.5	

+ 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

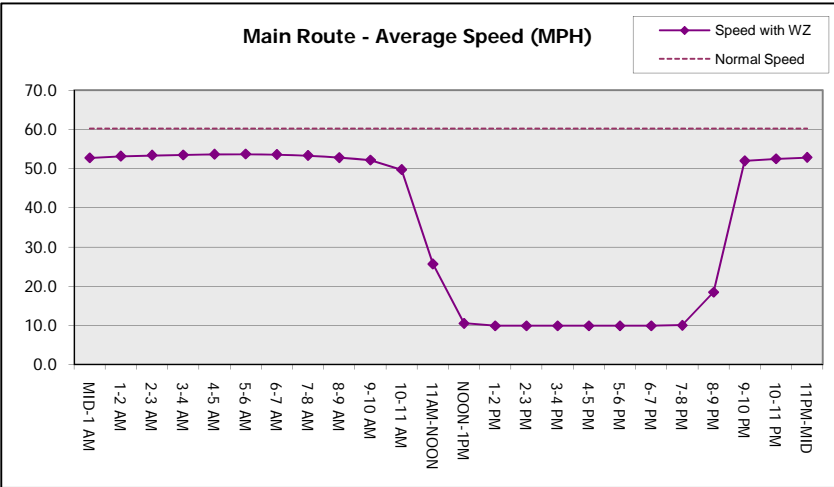
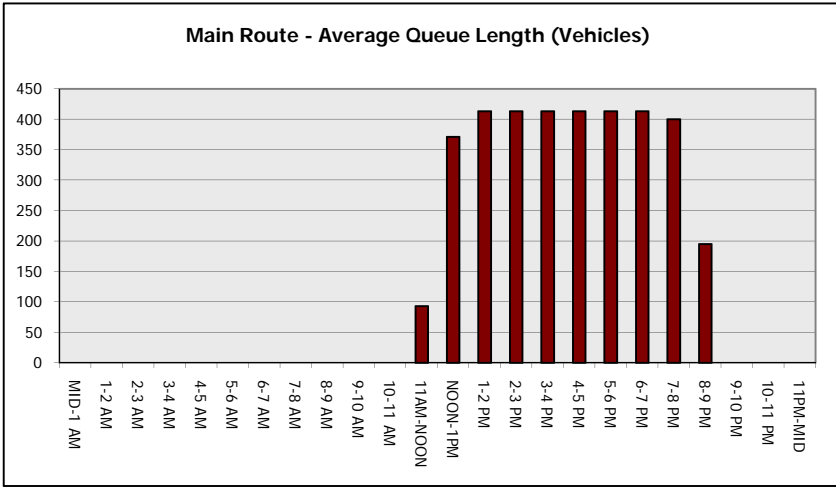
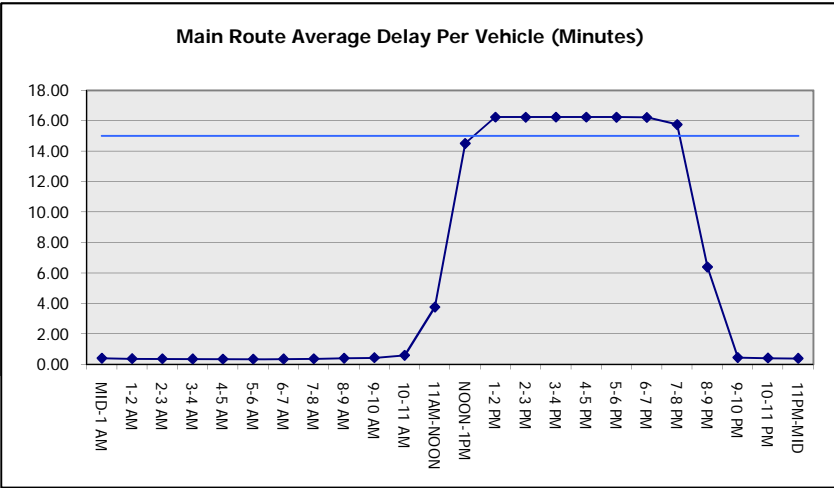
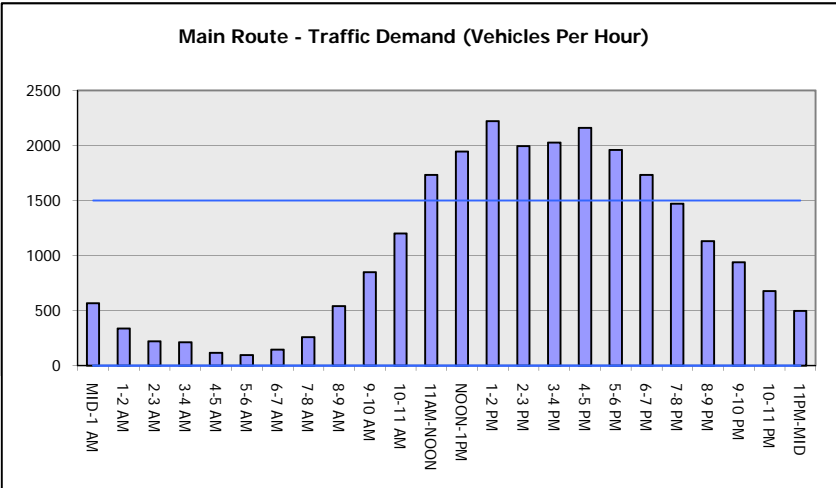
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0112
MAIN ROUTE WITH WORKS	0.0082
'DIVERSION'	0.0035
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$74,524
CONGESTED HOURS PER DAY*	8

*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)	MAY
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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	670	0.0	1500	670	0	0.41	0	60.2	52.5	42.8
1-2 AM	418	0.0	1500	418	0	0.38	0	60.2	53.0	43.8
2-3 AM	236	0.0	1500	236	0	0.36	0	60.2	53.4	44.5
3-4 AM	168	0.0	1500	168	0	0.35	0	60.2	53.5	44.8
4-5 AM	111	0.0	1500	111	0	0.34	0	60.2	53.7	45.0
5-6 AM	84	0.0	1500	84	0	0.34	0	60.2	53.7	45.1
6-7 AM	161	0.0	1500	161	0	0.35	0	60.2	53.5	44.8
7-8 AM	373	0.0	1500	373	0	0.37	0	60.2	53.1	44.0
8-9 AM	498	0.0	1500	498	0	0.39	0	60.2	52.8	43.5
9-10 AM	831	0.0	1500	831	0	0.43	0	60.2	52.2	42.3
10-11 AM	1266	0.0	1499	1266	0	0.66	0	60.2	48.7	36.7
11AM-NOON	1688	0.0	1499	1688	0	3.20	73	60.2	28.0	30.8
NOON-1PM	1918	0.0	1500	1677	241	13.30+	344	60.2	11.1	30.8
1-2 PM	2233	0.0	1500	1504	729	16.25+	413	60.2	9.9	30.8
2-3 PM	2178	0.0	1500	1504	674	16.24+	413	60.2	9.9	30.8
3-4 PM	2127	0.0	1500	1503	624	16.24+	413	60.2	9.9	30.8
4-5 PM	2250	0.0	1500	1503	747	16.25+	413	60.2	9.9	30.8
5-6 PM	2037	0.0	1500	1503	534	16.24+	413	60.2	9.9	30.8
6-7 PM	1872	0.0	1500	1503	369	16.23+	413	60.2	9.9	30.8
7-8 PM	1518	0.0	1500	1502	16	15.85+	403	60.2	10.0	30.8
8-9 PM	1247	0.0	1499	1247	0	10.58	274	60.2	12.9	31.4
9-10 PM	1071	0.0	1500	1071	0	1.06	24	60.2	43.7	39.9
10-11 PM	790	0.0	1500	790	0	0.43	0	60.2	52.3	42.4
11PM-MID	545	0.0	1500	545	0	0.40	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	0.0117
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0041

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$78,459
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

