

USH 12/14: OLD SAUK RD TO GAMMON 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	429	0.0	1500	429	0	0.38	0	60.2	51.3	43.8	
1-2 AM	254	0.0	1500	254	0	0.36	0	60.2	51.7	44.5	
2-3 AM	168	0.0	1500	168	0	0.35	0	60.2	52.0	44.8	
3-4 AM	161	0.0	1500	161	0	0.35	0	60.2	52.0	44.8	
4-5 AM	89	0.0	1500	89	0	0.34	0	60.2	52.2	45.1	
5-6 AM	73	0.0	1500	73	0	0.34	0	60.2	52.2	45.2	
6-7 AM	109	0.0	1500	109	0	0.34	0	60.2	52.1	45.0	
7-8 AM	197	0.0	1500	197	0	0.35	0	60.2	51.9	44.7	
8-9 AM	411	0.0	1500	411	0	0.38	0	60.2	51.4	43.8	
9-10 AM	645	0.0	1500	645	0	0.41	0	60.2	50.8	43.0	
10-11 AM	912	0.0	1500	912	0	0.44	0	60.2	50.1	42.0	
11AM-NOON	1316	0.0	1499	1316	0	0.72	0	60.2	45.3	35.2	
NOON-1PM	1475	0.0	1499	1475	0	1.02	2	60.2	41.1	31.5	
1-2 PM	1687	0.0	1500	1687	0	4.33	103	60.2	20.2	30.8	
2-3 PM	1514	0.0	1499	1514	0	8.72	209	60.2	12.4	30.8	
3-4 PM	1537	0.0	1500	1537	0	9.34	227	60.2	11.9	30.8	
4-5 PM	1639	0.0	1500	1639	0	12.72	320	60.2	10.2	30.8	
5-6 PM	1486	0.0	1499	1486	0	15.41+	391	60.2	9.3	30.8	
6-7 PM	1316	0.0	1499	1316	0	11.62	293	60.2	10.7	30.8	
7-8 PM	1116	0.0	1499	1116	0	1.66	54	60.2	34.3	38.1	
8-9 PM	859	0.0	1500	859	0	0.43	0	60.2	50.2	42.2	
9-10 PM	711	0.0	1500	711	0	0.42	0	60.2	50.6	42.7	
10-11 PM	513	0.0	1500	513	0	0.39	0	60.2	51.1	43.5	
11PM-MID	378	0.0	1500	378	0	0.38	0	60.2	51.4	44.0	

+ 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

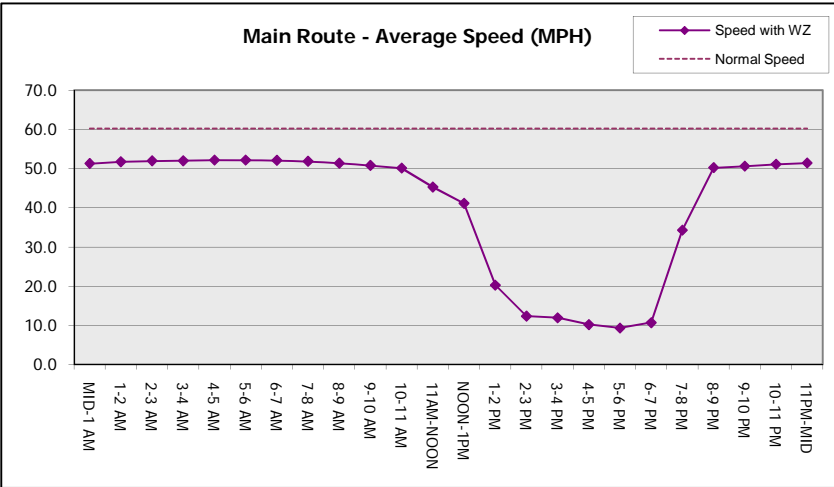
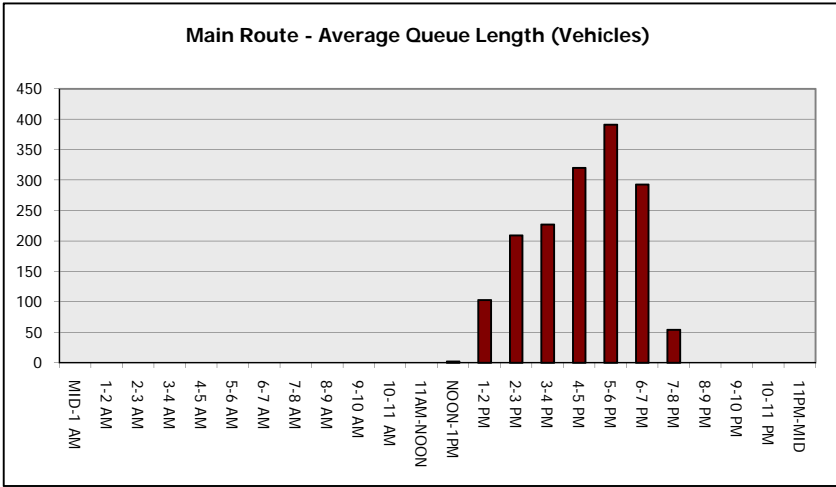
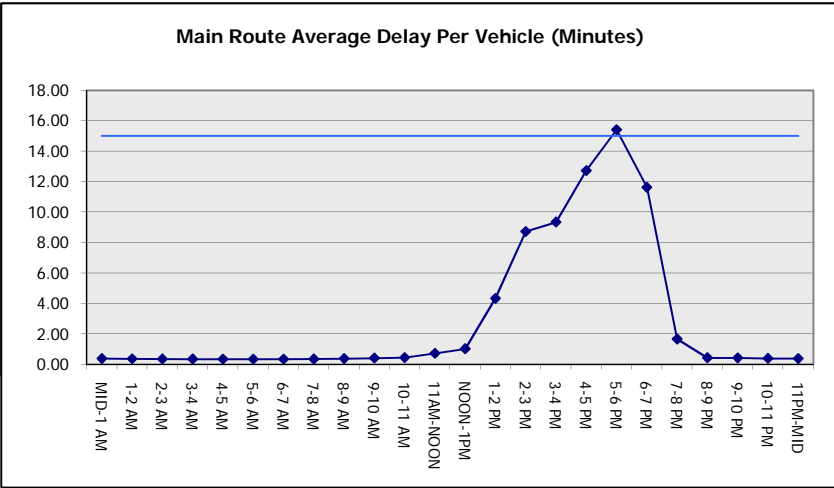
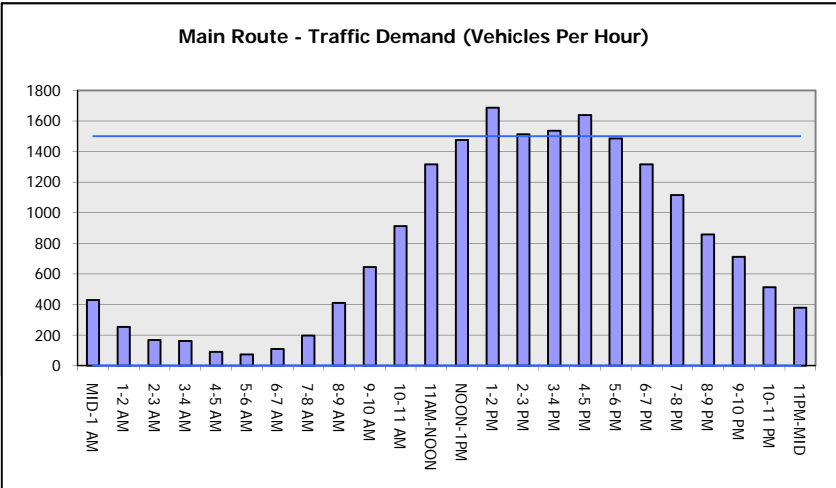
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0066
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$28,653
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



USH 12/14: OLD SAUK RD TO GAMMON 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	509	0.0	1500	509	0	0.39	0	60.2	51.1	43.5
1-2 AM	317	0.0	1500	317	0	0.37	0	60.2	51.6	44.2
2-3 AM	179	0.0	1500	179	0	0.35	0	60.2	51.9	44.8
3-4 AM	128	0.0	1500	128	0	0.34	0	60.2	52.0	45.0
4-5 AM	84	0.0	1500	84	0	0.34	0	60.2	52.2	45.1
5-6 AM	64	0.0	1500	64	0	0.34	0	60.2	52.2	45.2
6-7 AM	123	0.0	1500	123	0	0.34	0	60.2	52.0	45.0
7-8 AM	283	0.0	1500	283	0	0.36	0	60.2	51.7	44.3
8-9 AM	378	0.0	1500	378	0	0.38	0	60.2	51.4	44.0
9-10 AM	630	0.0	1500	630	0	0.41	0	60.2	50.8	43.0
10-11 AM	962	0.0	1500	962	0	0.45	0	60.2	50.1	41.8
11AM-NOON	1281	0.0	1499	1281	0	0.68	0	60.2	46.0	36.1
NOON-1PM	1456	0.0	1499	1456	0	0.94	0	60.2	42.2	31.9
1-2 PM	1695	0.0	1500	1695	0	3.96	94	60.2	21.4	30.8
2-3 PM	1653	0.0	1499	1653	0	11.08	277	60.2	10.9	30.8
3-4 PM	1614	0.0	1499	1559	55	15.73+	400	60.2	9.2	30.8
4-5 PM	1707	0.0	1500	1502	205	16.63+	424	60.2	9.0	30.8
5-6 PM	1546	0.0	1500	1506	40	16.48+	420	60.2	9.0	30.8
6-7 PM	1421	0.0	1499	1421	0	15.40+	391	60.2	9.3	30.8
7-8 PM	1152	0.0	1499	1152	0	5.90	180	60.2	17.0	34.0
8-9 PM	947	0.0	1500	947	0	0.45	0	60.2	50.1	41.9
9-10 PM	813	0.0	1500	813	0	0.43	0	60.2	50.4	42.4
10-11 PM	599	0.0	1500	599	0	0.40	0	60.2	50.9	43.2
11PM-MID	414	0.0	1500	414	0	0.38	0	60.2	51.4	43.8

+ 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	0.0070
MAIN ROUTE WITH WORKS	0.0056
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$39,268
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

