

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

MON-THUR 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	241	0.0	1500	241	0	0.36	0	60.2	51.8	44.5	
1-2 AM	138	0.0	1500	138	0	0.35	0	60.2	52.0	45.0	
2-3 AM	80	0.0	1500	80	0	0.34	0	60.2	52.2	45.1	
3-4 AM	65	0.0	1500	65	0	0.34	0	60.2	52.2	45.2	
4-5 AM	66	0.0	1500	66	0	0.34	0	60.2	52.2	45.2	
5-6 AM	163	0.0	1500	163	0	0.35	0	60.2	52.0	44.8	
6-7 AM	478	0.0	1500	478	0	0.39	0	60.2	51.2	43.6	
7-8 AM	1516	0.0	1499	1516	0	1.59	32	60.2	35.0	33.5	
8-9 AM	2410	0.0	1500	1820	590	14.70+	384	60.2	9.6	31.4	
9-10 AM	1966	0.0	1499	1496	470	16.66+	424	60.2	8.9	30.8	
10-11 AM	1503	0.0	1499	1442	61	16.10+	410	60.2	9.1	30.8	
11AM-NOON	1487	0.0	1500	1487	0	14.83+	375	60.2	9.4	30.8	
NOON-1PM	1671	0.0	1500	1562	109	16.27+	414	60.2	9.1	30.8	
1-2 PM	1852	0.0	1499	1498	354	16.65+	424	60.2	8.9	30.8	
2-3 PM	1790	0.0	1499	1499	292	16.64+	424	60.2	8.9	30.8	
3-4 PM	1829	0.0	1499	1499	331	16.64+	424	60.2	8.9	30.8	
4-5 PM	2022	0.0	1499	1499	523	16.66+	425	60.2	8.9	30.8	
5-6 PM	2422	0.0	1499	1499	923	16.70+	426	60.2	8.9	30.8	
6-7 PM	2397	0.0	1500	1499	897	16.70+	426	60.2	8.9	30.8	
7-8 PM	1715	0.0	1500	1499	216	16.63+	424	60.2	8.9	30.8	
8-9 PM	1246	0.0	1499	1246	0	12.54+	323	60.2	10.4	31.2	
9-10 PM	1015	0.0	1500	1015	0	1.20	35	60.2	38.9	40.2	
10-11 PM	738	0.0	1500	738	0	0.42	0	60.2	50.5	42.6	
11PM-MID	472	0.0	1500	472	0	0.39	0	60.2	51.2	43.6	

+ 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

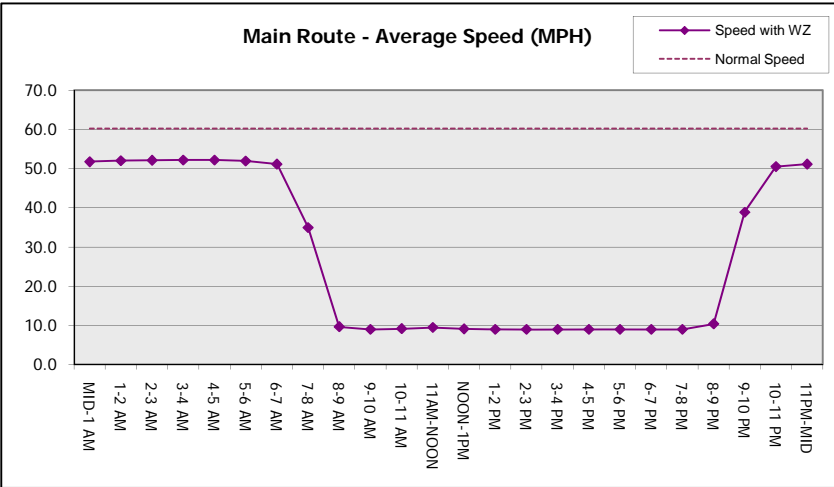
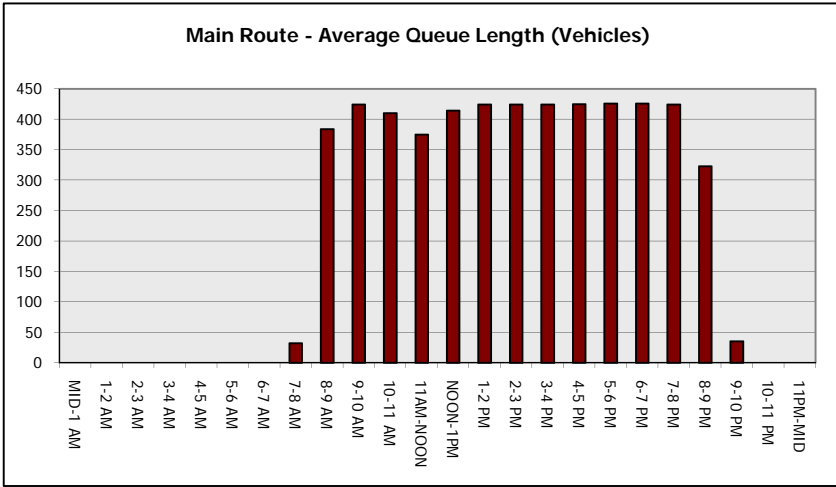
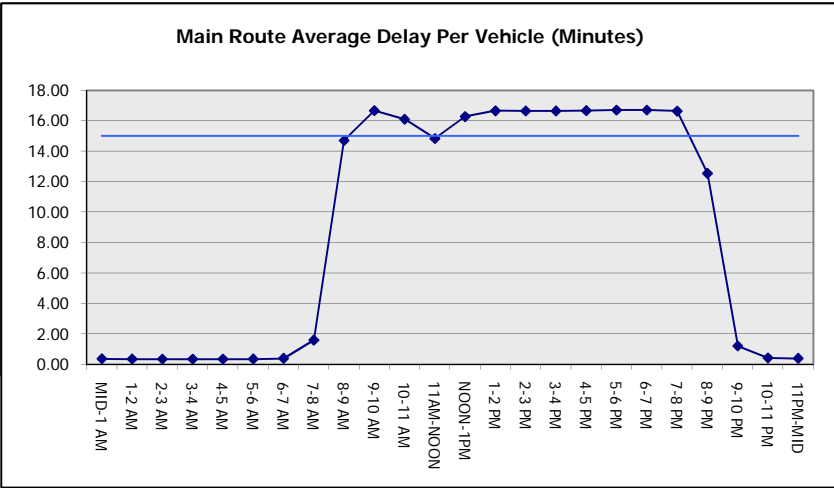
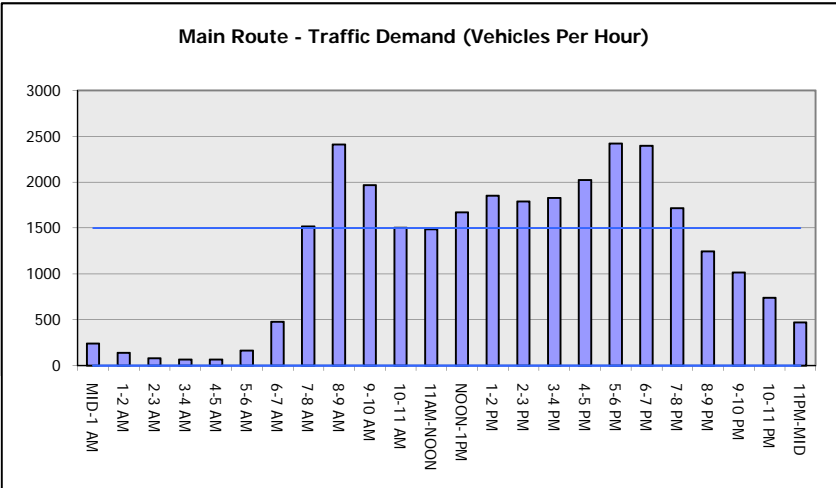
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0103
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0039
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,517
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	340	0.0	1500	340	0	0.37	0	60.2	51.5	44.2
1-2 AM	175	0.0	1500	175	0	0.35	0	60.2	51.9	44.8
2-3 AM	97	0.0	1500	97	0	0.34	0	60.2	52.1	45.1
3-4 AM	78	0.0	1500	78	0	0.34	0	60.2	52.2	45.2
4-5 AM	78	0.0	1500	78	0	0.34	0	60.2	52.2	45.2
5-6 AM	140	0.0	1500	140	0	0.35	0	60.2	52.0	44.9
6-7 AM	503	0.0	1500	503	0	0.39	0	60.2	51.1	43.5
7-8 AM	1367	0.0	1499	1367	0	1.01	10	60.2	41.2	35.5
8-9 AM	2235	0.0	1500	1843	392	11.75+	318	60.2	10.9	30.8
9-10 AM	1821	0.0	1500	1520	301	16.57+	422	60.2	9.0	30.8
10-11 AM	1419	0.0	1500	1419	0	14.81+	375	60.2	9.4	30.8
11AM-NOON	1448	0.0	1500	1448	0	11.56	287	60.2	10.7	30.8
NOON-1PM	1748	0.0	1500	1633	115	14.46+	368	60.2	9.6	30.8
1-2 PM	1849	0.0	1499	1503	346	16.64+	424	60.2	8.9	30.8
2-3 PM	1818	0.0	1500	1502	316	16.64+	424	60.2	8.9	30.8
3-4 PM	1961	0.0	1500	1502	459	16.65+	424	60.2	8.9	30.8
4-5 PM	2266	0.0	1500	1502	764	16.68+	425	60.2	8.9	30.8
5-6 PM	2566	0.0	1500	1505	1062	16.72+	426	60.2	8.9	30.8
6-7 PM	2352	0.0	1500	1501	851	16.69+	425	60.2	8.9	30.8
7-8 PM	1656	0.0	1500	1501	156	16.63+	424	60.2	9.0	30.8
8-9 PM	1281	0.0	1499	1281	0	12.83+	327	60.2	10.2	30.8
9-10 PM	1138	0.0	1499	1138	0	1.86	64	60.2	32.6	37.6
10-11 PM	885	0.0	1500	885	0	0.44	0	60.2	50.2	42.1
11PM-MID	560	0.0	1500	560	0	0.40	0	60.2	51.0	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	0.0104
MAIN ROUTE WITH WORKS	0.0071
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$85,415
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

