

<b>USH 12/14: OLD SAUK RD TO GAMMON RD (DANE)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	311	0.0	1500	311	0	0.37	0	60.2	51.6	44.2	
1-2 AM	201	0.0	1500	201	0	0.35	0	60.2	51.9	44.6	
2-3 AM	136	0.0	1500	136	0	0.35	0	60.2	52.0	45.0	
3-4 AM	99	0.0	1500	99	0	0.34	0	60.2	52.1	45.1	
4-5 AM	80	0.0	1500	80	0	0.34	0	60.2	52.2	45.1	
5-6 AM	161	0.0	1500	161	0	0.35	0	60.2	52.0	44.8	
6-7 AM	525	0.0	1500	525	0	0.39	0	60.2	51.0	43.4	
7-8 AM	1563	0.0	1499	1563	0	1.77	44	60.2	33.3	33.5	
8-9 AM	2842	0.0	1500	1819	1023	15.78+	410	57.4	9.2	30.8	
9-10 AM	2292	0.0	1499	1481	811	16.74+	427	60.2	8.9	30.8	
10-11 AM	1806	0.0	1499	1463	343	16.53+	421	60.2	9.0	30.8	
11AM-NOON	1897	0.0	1499	1498	399	16.65+	424	60.2	8.9	30.8	
NOON-1PM	2164	0.0	1499	1498	665	16.67+	425	60.2	8.9	30.8	
1-2 PM	2404	0.0	1499	1499	905	16.70+	426	60.2	8.9	30.8	
2-3 PM	2384	0.0	1499	1499	885	16.69+	426	60.2	8.9	30.8	
3-4 PM	2565	0.0	1499	1498	1067	16.72+	426	60.2	8.9	30.8	
4-5 PM	2732	0.0	1499	1500	1232	16.74+	429	58.5	8.9	30.8	
5-6 PM	2938	0.0	1499	1504	1433	16.84+	435	56.4	8.9	30.8	
6-7 PM	2760	0.0	1500	1496	1264	16.76+	430	58.2	8.9	30.8	
7-8 PM	2043	0.0	1500	1499	544	16.66+	425	60.2	8.9	30.8	
8-9 PM	1532	0.0	1500	1461	71	16.36+	416	60.2	9.1	30.8	
9-10 PM	1168	0.0	1499	1168	0	8.81	241	60.2	13.0	33.0	
10-11 PM	992	0.0	1500	992	0	0.55	3	60.2	48.1	41.7	
11PM-MID	707	0.0	1500	707	0	0.42	0	60.2	50.6	42.7	

+ 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	0.0127
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0086
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$118,719
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

**USH 12/14: OLD SAUK RD TO GAMMON RD (DANE)  
CONTINUOUS (24 HOUR) CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

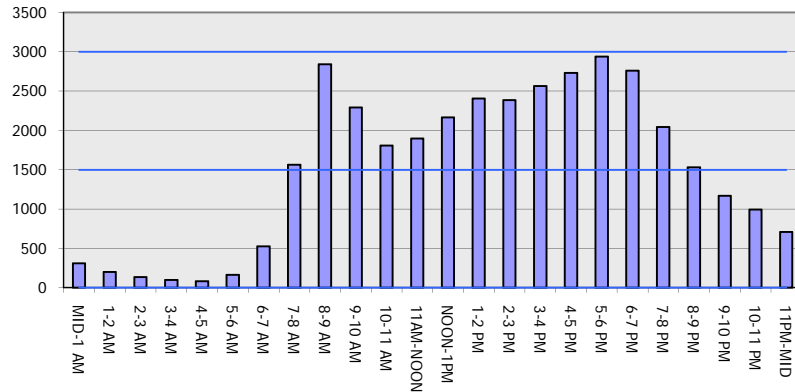
**AUGUST**

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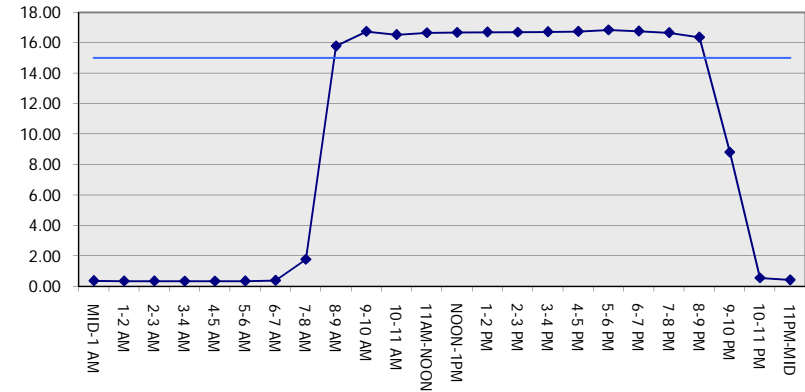
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY WESTBOUND DIRECTION**

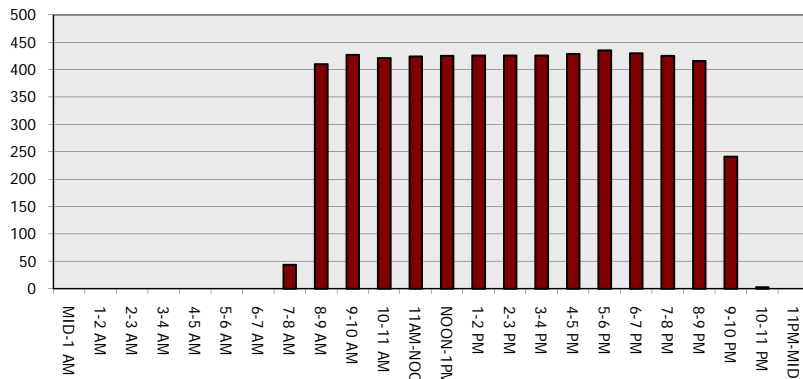
**Main Route - Traffic Demand (Vehicles Per Hour)**



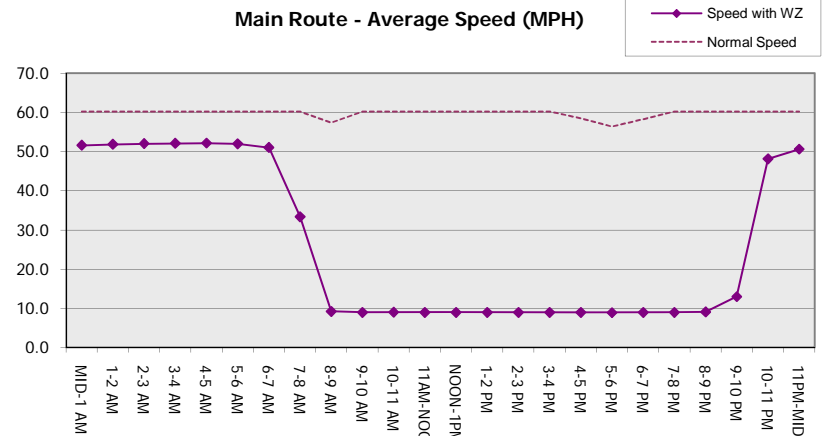
**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**



<b>USH 12/14: OLD SAUK RD TO GAMMON RD (DANE)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	548	0.0	1500	548	0	0.40	0	60.2	51.0	43.3
1-2 AM	242	0.0	1500	242	0	0.36	0	60.2	51.8	44.5
2-3 AM	146	0.0	1500	146	0	0.35	0	60.2	52.0	44.9
3-4 AM	98	0.0	1500	98	0	0.34	0	60.2	52.1	45.1
4-5 AM	97	0.0	1500	97	0	0.34	0	60.2	52.1	45.1
5-6 AM	147	0.0	1500	147	0	0.35	0	60.2	52.0	44.9
6-7 AM	493	0.0	1500	493	0	0.39	0	60.2	51.2	43.5
7-8 AM	1370	0.0	1499	1370	0	1.06	12	60.2	40.7	35.6
8-9 AM	2353	0.0	1500	1884	469	12.51+	334	60.2	10.5	30.8
9-10 AM	2042	0.0	1500	1499	544	16.66+	425	60.2	8.9	30.8
10-11 AM	1688	0.0	1499	1499	190	16.63+	424	60.2	9.0	30.8
11AM-NOON	1792	0.0	1499	1499	293	16.64+	424	60.2	8.9	30.8
NOON-1PM	2191	0.0	1499	1499	691	16.68+	425	60.2	8.9	30.8
1-2 PM	2387	0.0	1499	1499	888	16.69+	426	60.2	8.9	30.8
2-3 PM	2340	0.0	1499	1499	840	16.69+	425	60.2	8.9	30.8
3-4 PM	2414	0.0	1499	1500	914	16.70+	426	60.2	8.9	30.8
4-5 PM	2704	0.0	1499	1501	1204	16.73+	428	58.8	8.9	30.8
5-6 PM	2760	0.0	1500	1501	1259	16.76+	430	58.2	8.9	30.8
6-7 PM	2423	0.0	1500	1499	924	16.70+	426	60.2	8.9	30.8
7-8 PM	1814	0.0	1500	1499	314	16.64+	424	60.2	8.9	30.8
8-9 PM	1394	0.0	1499	1393	1	15.46+	393	60.2	9.3	30.8
9-10 PM	1210	0.0	1499	1210	0	6.83	186	60.2	15.2	32.7
10-11 PM	1078	0.0	1500	1078	0	0.51	1	60.2	48.9	41.1
11PM-MID	795	0.0	1500	795	0	0.43	0	60.2	50.4	42.4

+ 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	0.0121
MAIN ROUTE WITH WORKS	0.0074
'DIVERSION'	0.0069

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$108,074
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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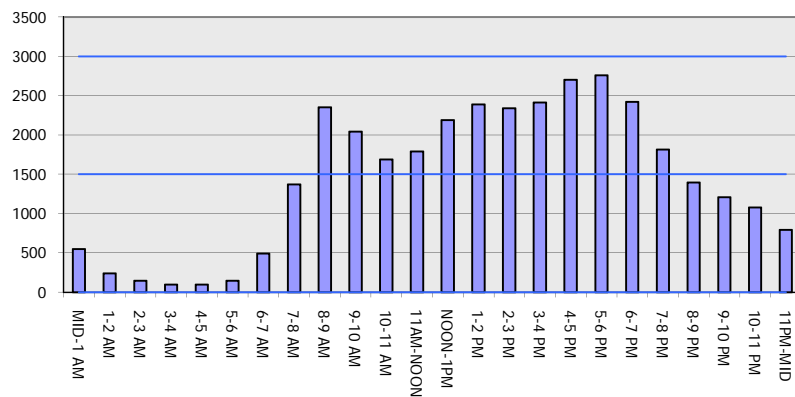
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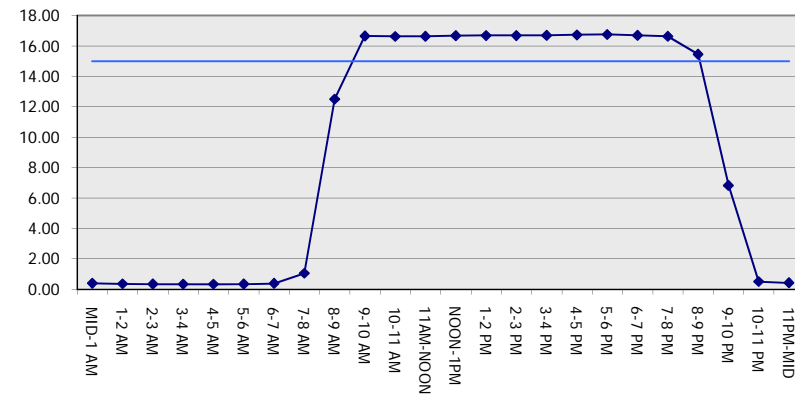
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY EASTBOUND DIRECTION**

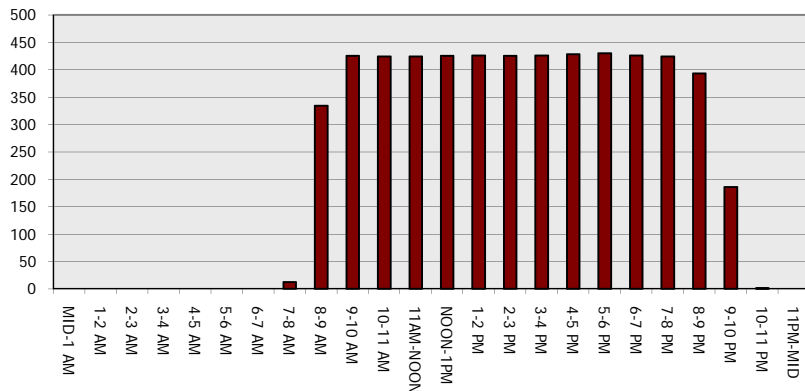
**Main Route - Traffic Demand (Vehicles Per Hour)**



**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**

