

USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY) OFF-PEAK DAY 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	272	0.0	OFF	272	0	0.00	0	60.2	60.2	60.2
1-2 AM	133	0.0	OFF	133	0	0.00	0	60.2	60.2	60.2
2-3 AM	114	0.0	OFF	114	0	0.00	0	60.2	60.2	60.2
3-4 AM	60	0.0	OFF	60	0	0.00	0	60.2	60.2	60.2
4-5 AM	50	0.0	OFF	50	0	0.00	0	60.2	60.2	60.2
5-6 AM	78	0.0	OFF	78	0	0.00	0	60.2	60.2	60.2
6-7 AM	155	0.0	OFF	155	0	0.00	0	60.2	60.2	60.2
7-8 AM	330	0.0	OFF	330	0	0.00	0	60.2	60.2	60.2
8-9 AM	572	0.0	OFF	572	0	0.00	0	60.2	60.2	60.2
9-10 AM	748	0.0	1500	748	0	0.42	0	60.2	47.6	42.6
10-11 AM	1080	0.0	1500	1080	0	0.46	0	60.2	46.7	41.4
11AM-NOON	1318	0.0	1500	1318	0	0.73	0	60.2	41.3	35.0
NOON-1PM	1437	0.0	1500	1437	0	0.89	0	60.2	38.6	32.1
1-2 PM	1403	0.0	1500	1403	0	0.84	0	60.2	39.4	32.9
2-3 PM	1465	0.0	1500	1465	0	0.92	0	60.2	38.1	31.5
3-4 PM	1464	0.0	1500	1464	0	0.92	0	60.2	38.1	31.5
4-5 PM	1457	0.0	1500	1457	0	0.91	0	60.2	38.3	31.7
5-6 PM	1266	0.0	1500	1266	0	0.66	0	60.2	42.5	36.5
6-7 PM	1047	0.0	1500	1047	0	0.46	0	60.2	46.8	41.5
7-8 PM	823	0.0	OFF	823	0	0.00	0	60.2	60.2	60.2
8-9 PM	655	0.0	OFF	655	0	0.00	0	60.2	60.2	60.2
9-10 PM	529	0.0	OFF	529	0	0.00	0	60.2	60.2	60.2
10-11 PM	311	0.0	OFF	311	0	0.00	0	60.2	60.2	60.2
11PM-MID	224	0.0	OFF	224	0	0.00	0	60.2	60.2	60.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0043
MAIN ROUTE WITH WORKS	0.0035
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,645
CONGESTED HOURS PER DAY*	0

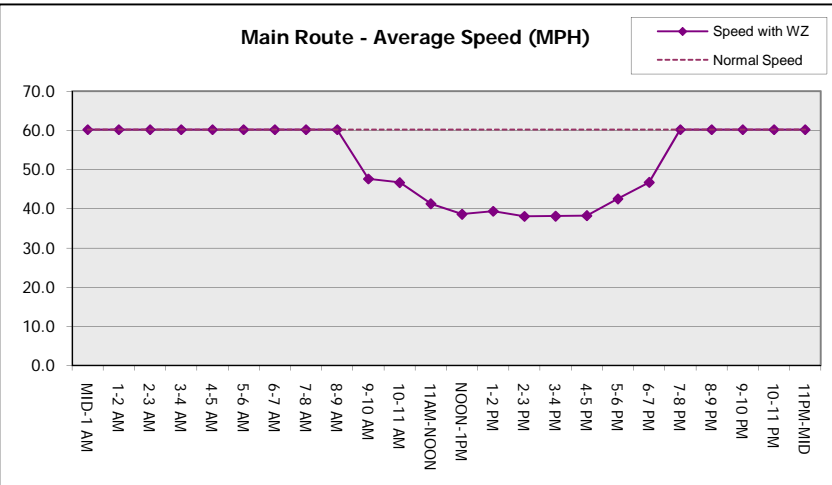
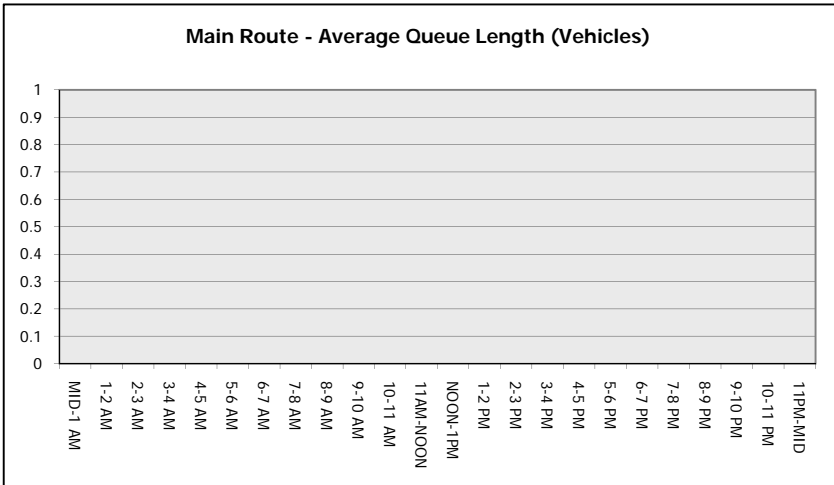
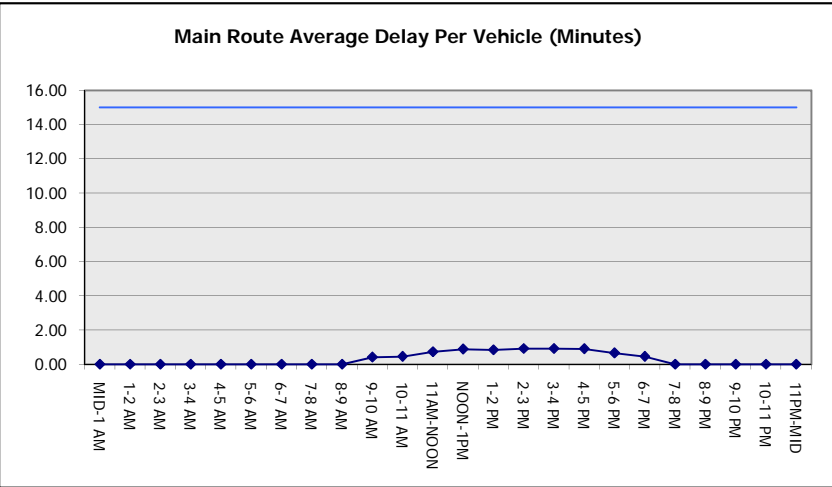
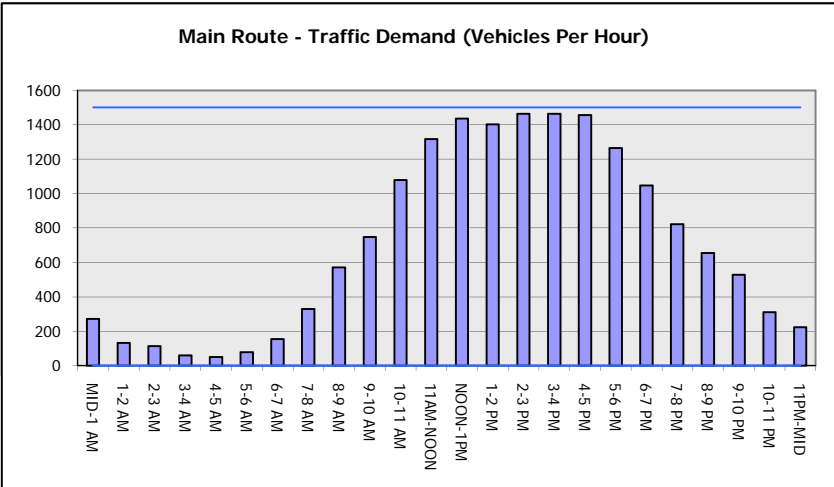
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



**USH 12/14: USH 14 TO OLD SAUK RD (DANE COUNTY)
OFF-PEAK DAY 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	281	0.0	OFF	281	0	0.00	0	60.2	60.2	60.2
1-2 AM	181	0.0	OFF	181	0	0.00	0	60.2	60.2	60.2
2-3 AM	191	0.0	OFF	191	0	0.00	0	60.2	60.2	60.2
3-4 AM	75	0.0	OFF	75	0	0.00	0	60.2	60.2	60.2
4-5 AM	67	0.0	OFF	67	0	0.00	0	60.2	60.2	60.2
5-6 AM	95	0.0	OFF	95	0	0.00	0	60.2	60.2	60.2
6-7 AM	197	0.0	OFF	197	0	0.00	0	60.2	60.2	60.2
7-8 AM	297	0.0	OFF	297	0	0.00	0	60.2	60.2	60.2
8-9 AM	557	0.0	OFF	557	0	0.00	0	60.2	60.2	60.2
9-10 AM	850	0.0	1500	850	0	0.43	0	60.2	47.3	42.2
10-11 AM	1205	0.0	1499	1205	0	0.58	0	60.2	44.2	38.4
11AM-NOON	1590	0.0	1499	1590	0	1.85	29	60.2	27.8	30.8
NOON-1PM	1721	0.0	1500	1721	0	7.88	196	60.2	11.7	30.8
1-2 PM	1737	0.0	1499	1618	118	15.79+	403	60.2	8.4	30.8
2-3 PM	1728	0.0	1500	1501	227	17.06+	435	60.2	8.1	30.8
3-4 PM	1715	0.0	1500	1501	214	17.05+	435	60.2	8.1	30.8
4-5 PM	1694	0.0	1500	1501	194	17.05+	435	60.2	8.1	30.8
5-6 PM	1520	0.0	1500	1492	29	16.92+	432	60.2	8.1	30.8
6-7 PM	1396	0.0	1499	1396	0	15.08+	383	60.2	8.5	30.8
7-8 PM	1184	0.0	OFF	1184	0	0.27	18	60.2	51.4	51.4
8-9 PM	917	0.0	OFF	917	0	0.00	0	60.2	60.2	60.2
9-10 PM	680	0.0	OFF	680	0	0.00	0	60.2	60.2	60.2
10-11 PM	386	0.0	OFF	386	0	0.00	0	60.2	60.2	60.2
11PM-MID	199	0.0	OFF	199	0	0.00	0	60.2	60.2	60.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0052
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0005

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$49,676
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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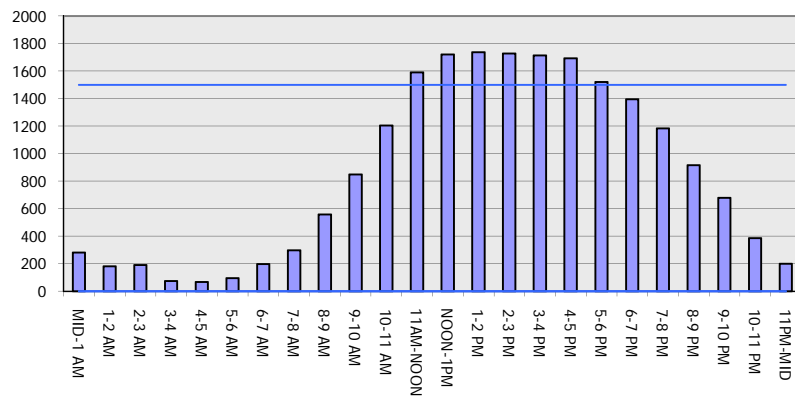
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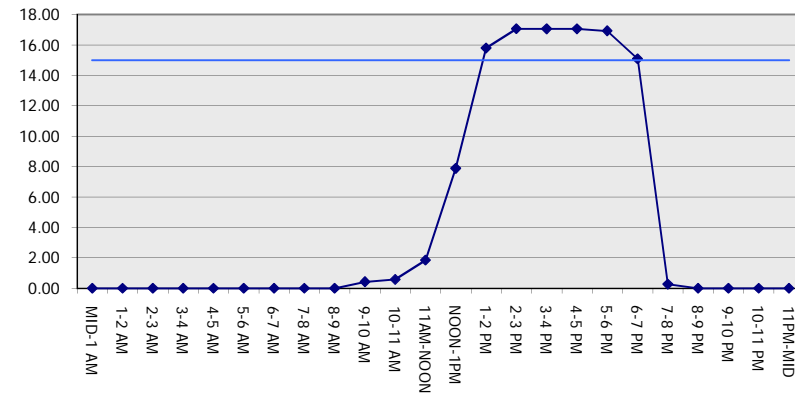
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

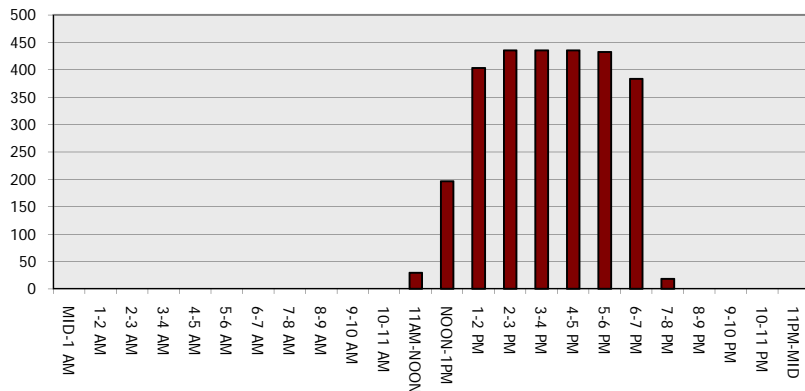
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

