

USH 12/14: USH 14 TO OLD SAUK RD (DANE) CONTINUOUS (24 HOUR) 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	1500	272	0	0.36	0	60.2	49.1	44.4
1-2 AM	133	0.0	1500	133	0	0.34	0	60.2	49.5	45.0
2-3 AM	114	0.0	1500	114	0	0.34	0	60.2	49.6	45.0
3-4 AM	60	0.0	1500	60	0	0.34	0	60.2	49.7	45.3
4-5 AM	50	0.0	1500	50	0	0.33	0	60.2	49.7	45.3
5-6 AM	78	0.0	1500	78	0	0.34	0	60.2	49.7	45.2
6-7 AM	155	0.0	1500	155	0	0.35	0	60.2	49.4	44.8
7-8 AM	330	0.0	1500	330	0	0.37	0	60.2	48.9	44.2
8-9 AM	572	0.0	1500	572	0	0.40	0	60.2	48.1	43.2
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	1500	823	0	0.43	0	60.2	47.4	42.3
8-9 PM	655	0.0	1500	655	0	0.41	0	60.2	47.9	42.9
9-10 PM	529	0.0	1500	529	0	0.39	0	60.2	48.3	43.4
10-11 PM	311	0.0	1500	311	0	0.37	0	60.2	48.9	44.2
11PM-MID	224	0.0	1500	224	0	0.36	0	60.2	49.2	44.6

----- 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	0.0032
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$3,174
CONGESTED HOURS PER DAY*	0

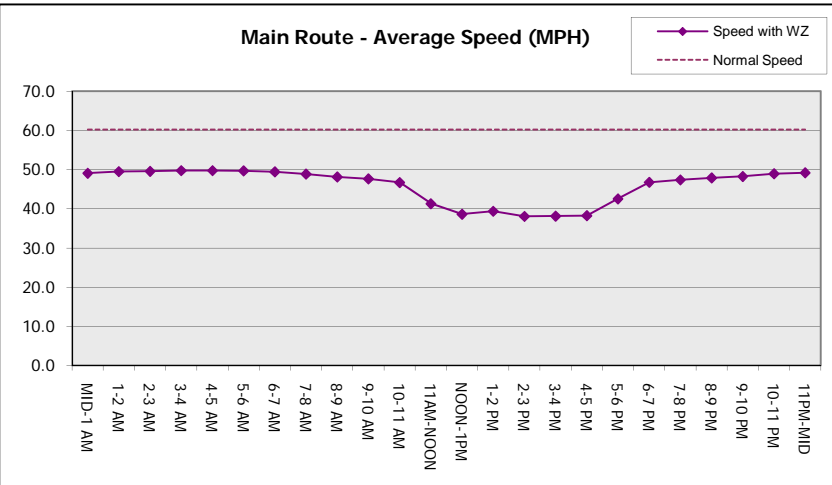
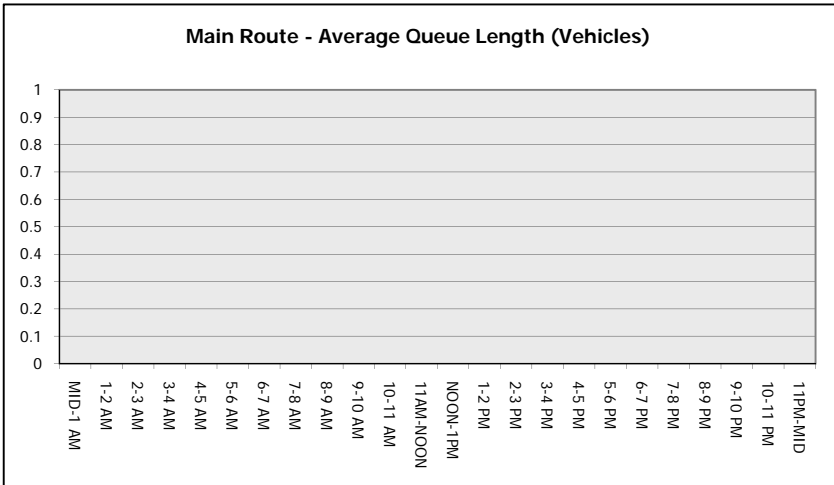
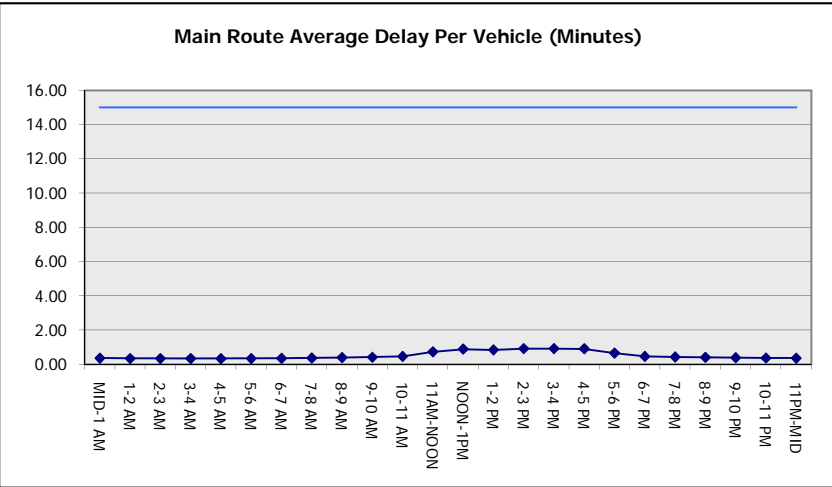
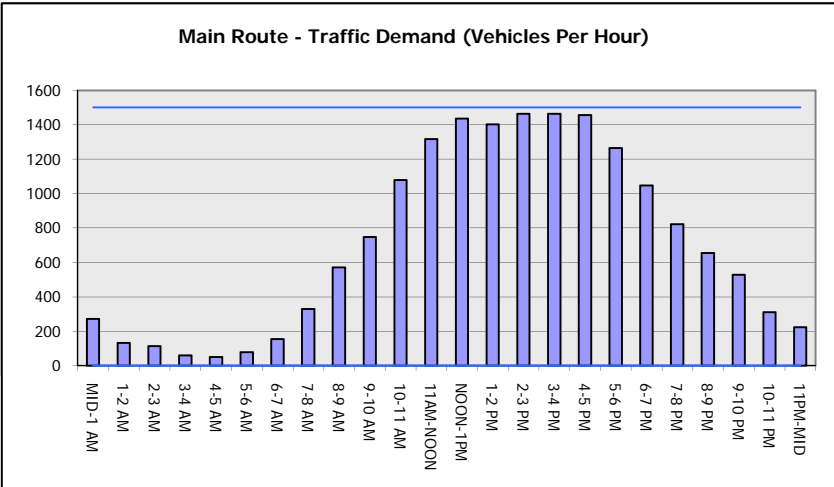
*Delays Exceeding User-Specified Maximum

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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) CONTINUOUS (24 HOUR) 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	1500	281	0	0.36	0	60.2	49.1	44.3	
1-2 AM	181	0.0	1500	181	0	0.35	0	60.2	49.4	44.8	
2-3 AM	191	0.0	1500	191	0	0.35	0	60.2	49.3	44.7	
3-4 AM	75	0.0	1500	75	0	0.34	0	60.2	49.7	45.2	
4-5 AM	67	0.0	1500	67	0	0.34	0	60.2	49.7	45.2	
5-6 AM	95	0.0	1500	95	0	0.34	0	60.2	49.6	45.1	
6-7 AM	197	0.0	1500	197	0	0.35	0	60.2	49.3	44.7	
7-8 AM	297	0.0	1500	297	0	0.37	0	60.2	49.0	44.3	
8-9 AM	557	0.0	1500	557	0	0.40	0	60.2	48.2	43.3	
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	1499	1184	0	6.30	177	60.2	13.8	33.4	
8-9 PM	917	0.0	1500	917	0	0.44	0	60.2	47.1	42.0	
9-10 PM	680	0.0	1500	680	0	0.41	0	60.2	47.8	42.8	
10-11 PM	386	0.0	1500	386	0	0.38	0	60.2	48.7	44.0	
11PM-MID	199	0.0	1500	199	0	0.35	0	60.2	49.3	44.7	

+ 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	0.0052
MAIN ROUTE WITH WORKS	0.0037
'DIVERSION'	0.0005

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$53,191
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

