

USH 12/14: USH 14 TO OLD SAUK RD (DANE) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	133	0.0	1500	133	0	0.34	0	60.2	49.5	45.0	
1-2 AM	85	0.0	1500	85	0	0.34	0	60.2	49.7	45.1	
2-3 AM	77	0.0	1500	77	0	0.34	0	60.2	49.7	45.2	
3-4 AM	67	0.0	1500	67	0	0.34	0	60.2	49.7	45.2	
4-5 AM	161	0.0	1500	161	0	0.35	0	60.2	49.4	44.8	
5-6 AM	397	0.0	1500	397	0	0.38	0	60.2	48.7	43.9	
6-7 AM	1104	0.0	1499	1104	0	0.56	0	60.2	44.5	38.9	
7-8 AM	1892	0.0	1499	1892	0	6.76	185	60.2	13.1	30.8	
8-9 AM	1434	0.0	1499	1434	0	14.93+	378	60.2	8.6	30.8	
9-10 AM	1258	0.0	1499	1258	0	8.10	206	60.2	11.6	31.5	
10-11 AM	1388	0.0	1500	1388	0	1.46	21	60.2	31.4	32.4	
11AM-NOON	1673	0.0	1499	1673	0	3.03	69	60.2	21.1	30.8	
NOON-1PM	1936	0.0	1500	1711	225	13.71+	355	60.2	9.0	30.8	
1-2 PM	1887	0.0	1500	1519	368	17.03+	435	60.2	8.1	30.8	
2-3 PM	2132	0.0	1500	1507	625	17.11+	437	60.2	8.1	30.8	
3-4 PM	2524	0.0	1500	1519	1005	17.21+	440	60.2	8.1	30.8	
4-5 PM	2917	0.0	1500	1522	1395	17.42+	450	56.6	8.0	30.8	
5-6 PM	2736	0.0	1500	1494	1242	17.30+	444	58.5	8.0	30.8	
6-7 PM	1925	0.0	1500	1498	427	17.08+	436	60.2	8.1	30.8	
7-8 PM	1449	0.0	1499	1422	27	16.35+	417	60.2	8.3	30.8	
8-9 PM	1198	0.0	1499	1198	0	8.62	228	60.2	11.4	32.6	
9-10 PM	981	0.0	1500	981	0	0.55	4	60.2	44.6	41.7	
10-11 PM	641	0.0	1500	641	0	0.41	0	60.2	47.9	43.0	
11PM-MID	418	0.0	1500	418	0	0.38	0	60.2	48.6	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

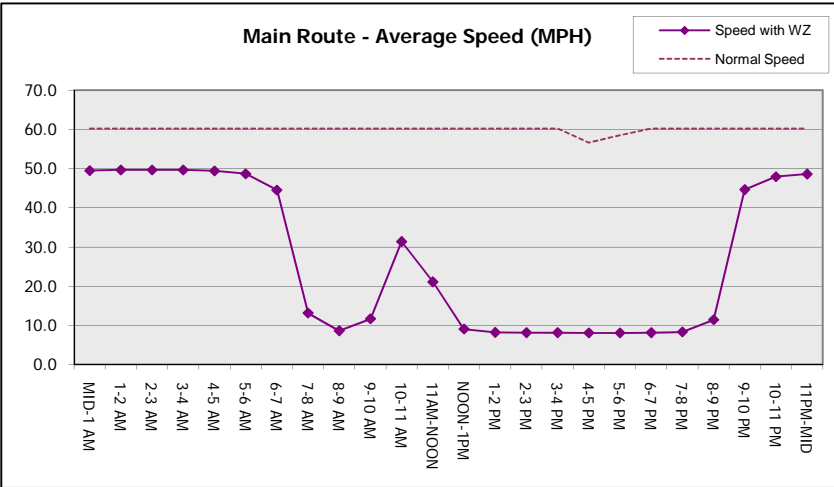
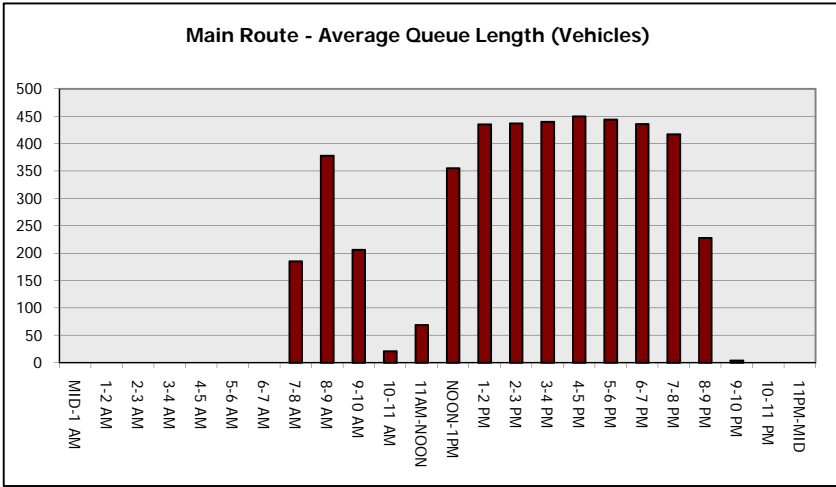
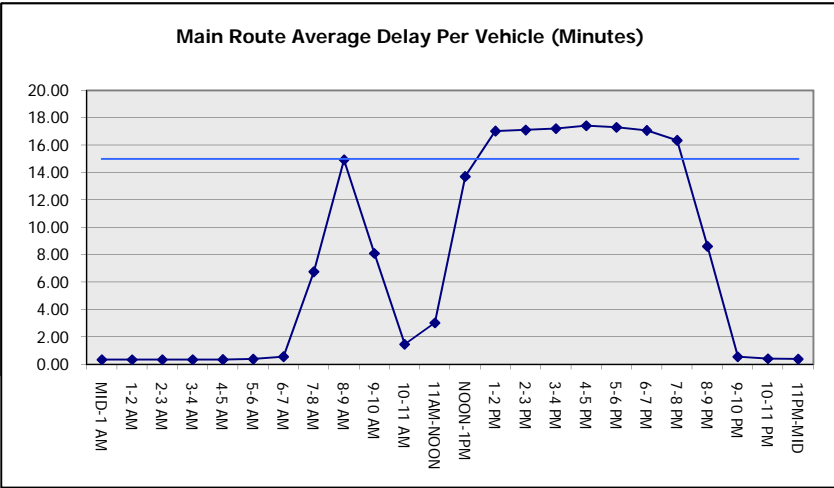
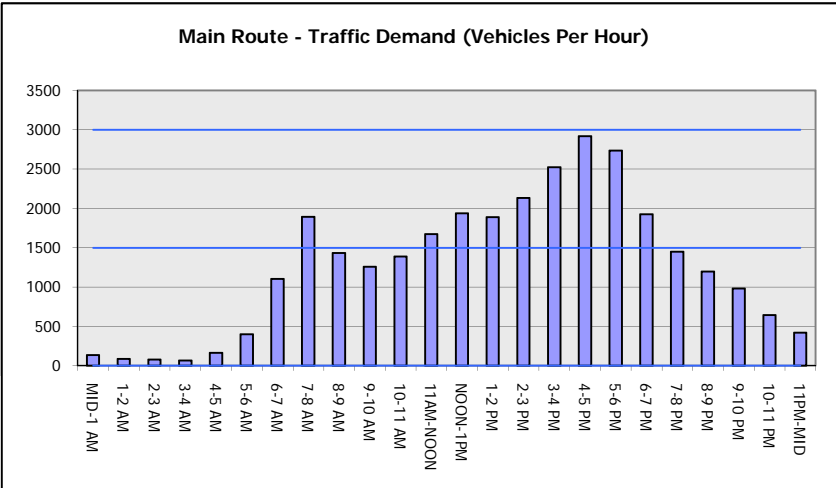
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0077
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0031
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$80,613
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



USH 12/14: USH 14 TO OLD SAUK RD (DANE) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	171	0.0	1500	171	0	0.35	0	60.2	49.4	44.8
1-2 AM	116	0.0	1500	116	0	0.34	0	60.2	49.6	45.0
2-3 AM	79	0.0	1500	79	0	0.34	0	60.2	49.7	45.1
3-4 AM	79	0.0	1500	79	0	0.34	0	60.2	49.7	45.1
4-5 AM	155	0.0	1500	155	0	0.35	0	60.2	49.4	44.8
5-6 AM	501	0.0	1500	501	0	0.39	0	60.2	48.4	43.5
6-7 AM	1618	0.0	1499	1618	0	1.82	49	60.2	28.1	32.6
7-8 AM	2715	0.0	1500	1783	933	16.38+	424	58.7	8.3	30.8
8-9 AM	2240	0.0	1499	1490	750	17.13+	437	60.2	8.1	30.8
9-10 AM	1572	0.0	1499	1454	118	16.81+	429	60.2	8.1	30.8
10-11 AM	1497	0.0	1500	1497	0	16.46+	419	60.2	8.2	30.8
11AM-NOON	1636	0.0	1499	1505	131	17.03+	435	60.2	8.1	30.8
NOON-1PM	1763	0.0	1500	1502	261	17.06+	435	60.2	8.1	30.8
1-2 PM	1673	0.0	1500	1502	171	17.05+	435	60.2	8.1	30.8
2-3 PM	1743	0.0	1500	1502	241	17.06+	435	60.2	8.1	30.8
3-4 PM	2004	0.0	1500	1501	503	17.09+	436	60.2	8.1	30.8
4-5 PM	1906	0.0	1500	1501	405	17.08+	436	60.2	8.1	30.8
5-6 PM	1860	0.0	1500	1501	359	17.07+	436	60.2	8.1	30.8
6-7 PM	1545	0.0	1500	1483	62	16.85+	430	60.2	8.1	30.8
7-8 PM	1225	0.0	1499	1225	0	11.45+	296	60.2	9.7	31.5
8-9 PM	987	0.0	1500	987	0	0.85	21	60.2	39.3	41.3
9-10 PM	839	0.0	1500	839	0	0.43	0	60.2	47.4	42.2
10-11 PM	583	0.0	1500	583	0	0.40	0	60.2	48.1	43.2
11PM-MID	443	0.0	1500	443	0	0.38	0	60.2	48.6	43.7

+ 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	0.0074
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0023
PIA: Personal Injury Accidents	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,885
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

