

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

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	166	0.0	1500	166	0	0.35	0	60.2	49.4	44.8
1-2 AM	99	0.0	1500	99	0	0.34	0	60.2	49.6	45.1
2-3 AM	76	0.0	1500	76	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	146	0.0	1500	146	0	0.35	0	60.2	49.4	44.9
5-6 AM	421	0.0	1500	421	0	0.38	0	60.2	48.6	43.8
6-7 AM	1087	0.0	1499	1087	0	0.54	0	60.2	45.1	39.5
7-8 AM	1699	0.0	1499	1699	0	3.59	86	60.2	19.0	30.8
8-9 AM	1510	0.0	1499	1510	0	8.91	215	60.2	10.9	30.8
9-10 AM	1358	0.0	1499	1358	0	5.87	138	60.2	13.7	30.9
10-11 AM	1508	0.0	1500	1508	0	3.07	56	60.2	20.6	30.8
11AM-NOON	1821	0.0	1500	1821	0	8.39	218	60.2	11.5	30.8
NOON-1PM	2062	0.0	1499	1508	553	17.10+	436	60.2	8.1	30.8
1-2 PM	2059	0.0	1500	1507	552	17.10+	436	60.2	8.1	30.8
2-3 PM	2354	0.0	1500	1506	848	17.14+	438	60.2	8.1	30.8
3-4 PM	2635	0.0	1500	1521	1114	17.22+	441	59.5	8.1	30.8
4-5 PM	3034	0.0	1500	1517	1516	17.54+	455	55.4	7.9	30.8
5-6 PM	2865	0.0	1500	1490	1375	17.42+	449	57.1	8.0	30.8
6-7 PM	1938	0.0	1500	1498	440	17.08+	436	60.2	8.1	30.8
7-8 PM	1404	0.0	1499	1383	21	15.88+	405	60.2	8.3	30.8
8-9 PM	1087	0.0	1499	1087	0	3.53	143	60.2	20.6	36.5
9-10 PM	934	0.0	1500	934	0	0.44	0	60.2	47.1	41.9
10-11 PM	611	0.0	1500	611	0	0.40	0	60.2	48.1	43.1
11PM-MID	431	0.0	1500	431	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

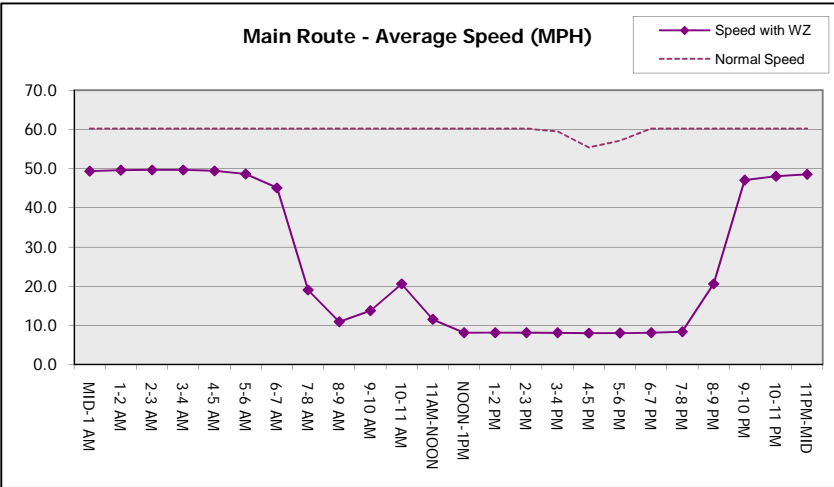
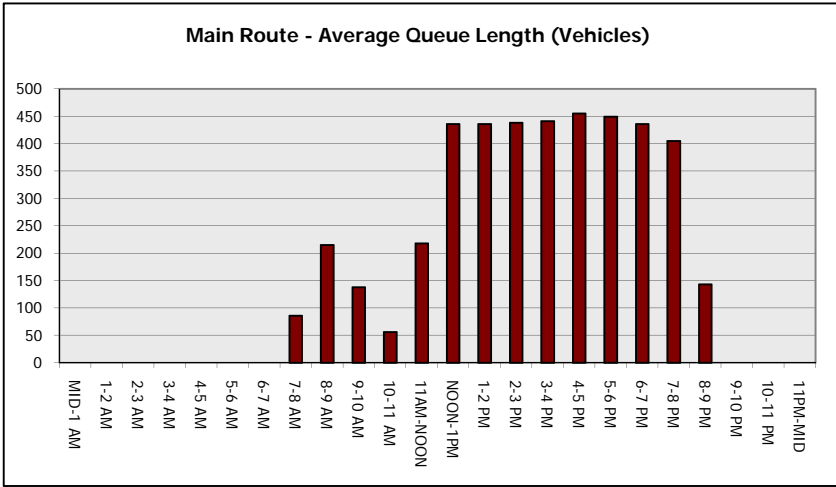
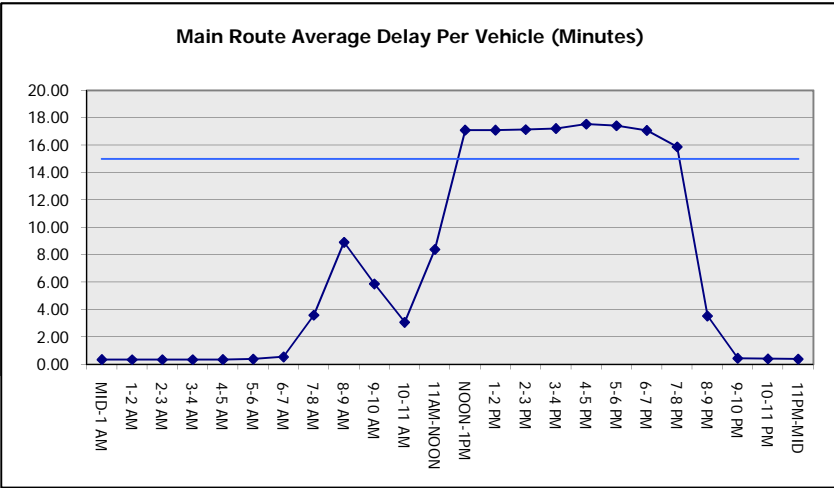
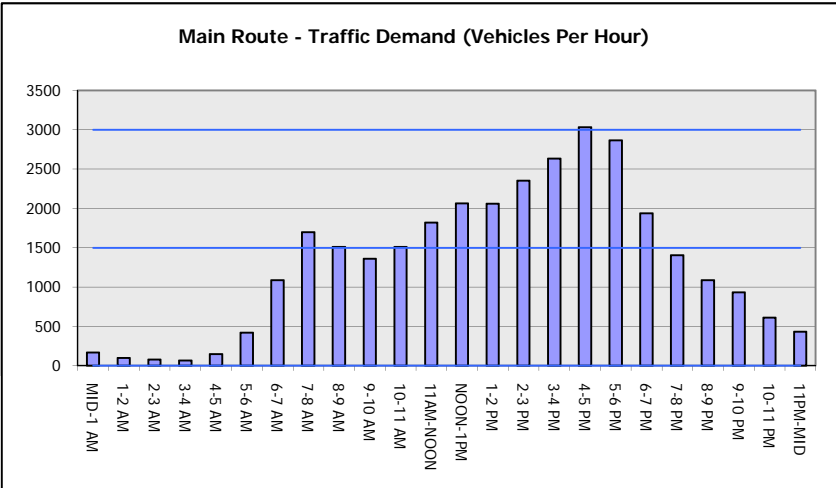
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0038
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$83,384
CONGESTED HOURS PER DAY*	8

*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)	AUGUST
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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	206	0.0	1500	206	0	0.35	0	60.2	49.2	44.6
1-2 AM	115	0.0	1500	115	0	0.34	0	60.2	49.6	45.0
2-3 AM	93	0.0	1500	93	0	0.34	0	60.2	49.6	45.1
3-4 AM	92	0.0	1500	92	0	0.34	0	60.2	49.6	45.1
4-5 AM	153	0.0	1500	153	0	0.35	0	60.2	49.4	44.9
5-6 AM	569	0.0	1500	569	0	0.40	0	60.2	48.2	43.2
6-7 AM	1575	0.0	1499	1575	0	1.70	41	60.2	29.1	32.9
7-8 AM	2647	0.0	1500	1805	842	16.12+	419	59.4	8.3	31.2
8-9 AM	2069	0.0	1499	1492	577	17.10+	437	60.2	8.1	30.8
9-10 AM	1579	0.0	1499	1469	110	16.94+	432	60.2	8.1	30.8
10-11 AM	1619	0.0	1500	1500	119	17.04+	435	60.2	8.1	30.8
11AM-NOON	1789	0.0	1499	1500	289	17.06+	436	60.2	8.1	30.8
NOON-1PM	1933	0.0	1500	1500	433	17.08+	436	60.2	8.1	30.8
1-2 PM	1888	0.0	1500	1500	388	17.08+	436	60.2	8.1	30.8
2-3 PM	1908	0.0	1500	1500	408	17.08+	436	60.2	8.1	30.8
3-4 PM	2004	0.0	1500	1500	504	17.09+	436	60.2	8.1	30.8
4-5 PM	2045	0.0	1500	1500	545	17.10+	436	60.2	8.1	30.8
5-6 PM	1881	0.0	1500	1500	381	17.08+	436	60.2	8.1	30.8
6-7 PM	1575	0.0	1500	1497	78	17.02+	434	60.2	8.1	30.8
7-8 PM	1234	0.0	1499	1234	0	12.35+	318	60.2	9.4	31.2
8-9 PM	981	0.0	1500	981	0	0.98	29	60.2	37.4	41.1
9-10 PM	834	0.0	1500	834	0	0.43	0	60.2	47.4	42.3
10-11 PM	631	0.0	1500	631	0	0.41	0	60.2	48.0	43.0
11PM-MID	486	0.0	1500	486	0	0.39	0	60.2	48.4	43.5

+ 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	0.0076
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0027

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$92,751
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

