

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

SATURDAY 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	212	0.0	1500	212	0	0.35	0	60.2	49.2	44.6
1-2 AM	127	0.0	1500	127	0	0.34	0	60.2	49.5	45.0
2-3 AM	98	0.0	1500	98	0	0.34	0	60.2	49.6	45.1
3-4 AM	94	0.0	1500	94	0	0.34	0	60.2	49.6	45.1
4-5 AM	87	0.0	1500	87	0	0.34	0	60.2	49.6	45.1
5-6 AM	148	0.0	1500	148	0	0.35	0	60.2	49.4	44.9
6-7 AM	299	0.0	1500	299	0	0.37	0	60.2	49.0	44.3
7-8 AM	650	0.0	1500	650	0	0.41	0	60.2	47.9	43.0
8-9 AM	957	0.0	1500	957	0	0.45	0	60.2	47.0	41.9
9-10 AM	1249	0.0	1499	1249	0	0.64	0	60.2	43.0	37.1
10-11 AM	1489	0.0	1499	1489	0	1.09	4	60.2	35.7	31.4
11AM-NOON	1639	0.0	1500	1639	0	3.77	83	60.2	18.2	30.8
NOON-1PM	1640	0.0	1499	1640	0	9.30	228	60.2	10.7	30.8
1-2 PM	1602	0.0	1499	1602	0	13.86+	350	60.2	8.8	30.8
2-3 PM	1579	0.0	1499	1536	43	16.70+	426	60.2	8.2	30.8
3-4 PM	1649	0.0	1500	1500	149	17.05+	435	60.2	8.1	30.8
4-5 PM	1593	0.0	1500	1500	93	17.04+	435	60.2	8.1	30.8
5-6 PM	1440	0.0	1499	1440	0	16.32+	416	60.2	8.3	30.8
6-7 PM	1255	0.0	1499	1255	0	10.41	266	60.2	10.2	31.4
7-8 PM	1016	0.0	1500	1016	0	0.83	19	60.2	39.6	41.0
8-9 PM	890	0.0	1500	890	0	0.44	0	60.2	47.2	42.0
9-10 PM	780	0.0	1500	780	0	0.42	0	60.2	47.6	42.5
10-11 PM	510	0.0	1500	510	0	0.39	0	60.2	48.3	43.5
11PM-MID	363	0.0	1500	363	0	0.37	0	60.2	48.8	44.0

+ 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

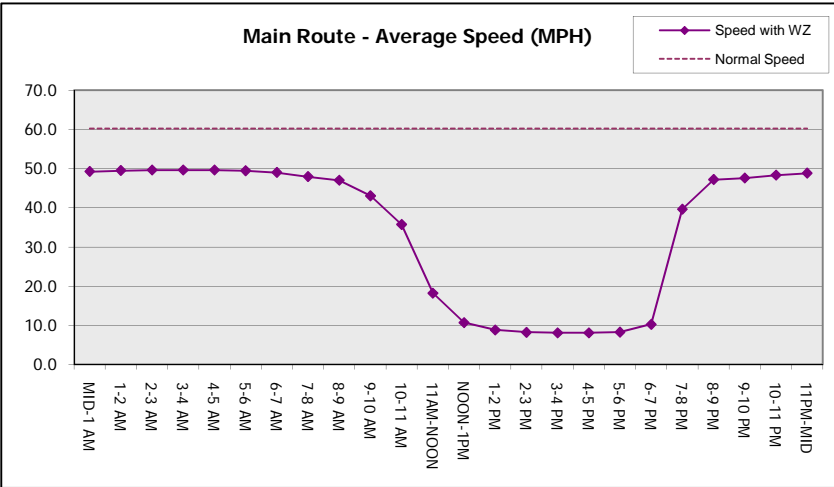
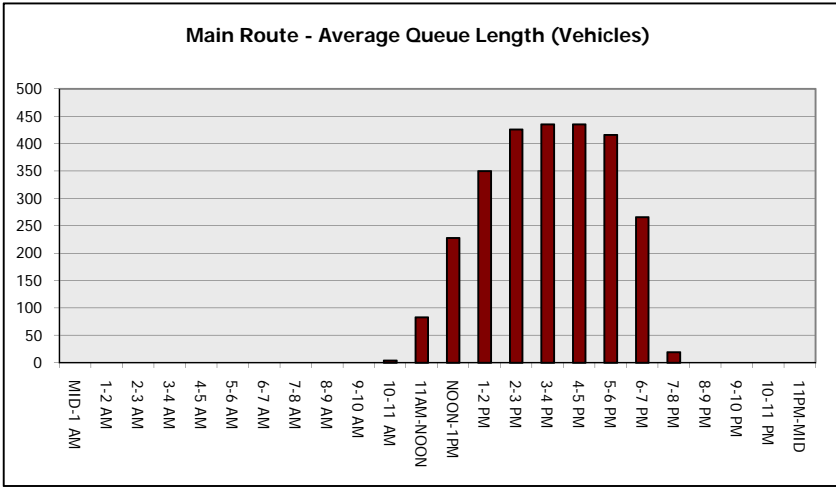
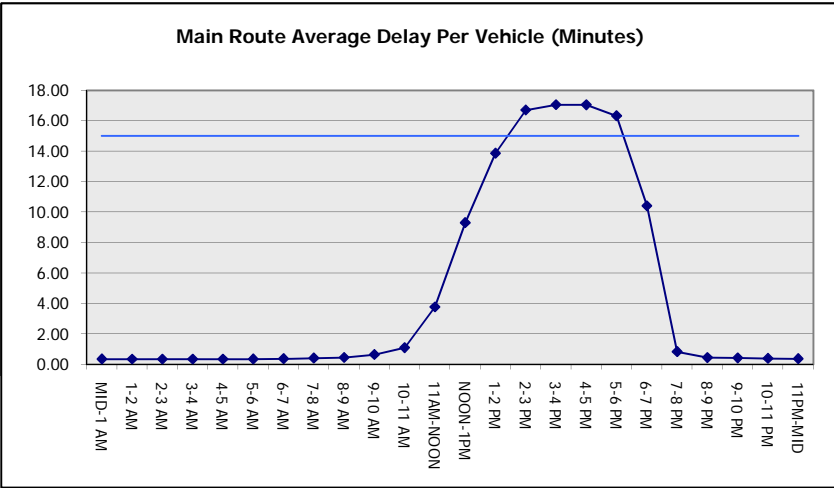
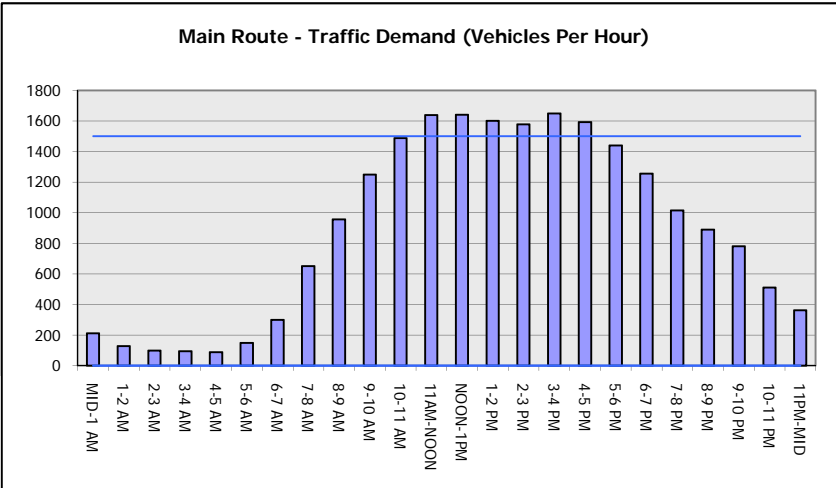
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0054
MAIN ROUTE WITH WORKS	0.0040
'DIVERSION'	0.0002
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,916
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

SATURDAY 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	255	0.0	1500	255	0	0.36	0	60.2	49.1	44.5
1-2 AM	163	0.0	1500	163	0	0.35	0	60.2	49.4	44.8
2-3 AM	110	0.0	1500	110	0	0.34	0	60.2	49.6	45.0
3-4 AM	73	0.0	1500	73	0	0.34	0	60.2	49.7	45.2
4-5 AM	100	0.0	1500	100	0	0.34	0	60.2	49.6	45.1
5-6 AM	152	0.0	1500	152	0	0.35	0	60.2	49.4	44.9
6-7 AM	360	0.0	1500	360	0	0.37	0	60.2	48.8	44.0
7-8 AM	621	0.0	1500	621	0	0.40	0	60.2	48.0	43.0
8-9 AM	1043	0.0	1500	1043	0	0.46	0	60.2	46.8	41.5
9-10 AM	1302	0.0	1499	1302	0	0.71	0	60.2	41.7	35.5
10-11 AM	1564	0.0	1499	1564	0	1.67	21	60.2	29.4	30.8
11AM-NOON	1625	0.0	1500	1625	0	5.32	122	60.2	14.5	30.8
NOON-1PM	1690	0.0	1500	1690	0	11.27	283	60.2	9.7	30.8
1-2 PM	1633	0.0	1499	1562	70	16.64+	424	60.2	8.2	30.8
2-3 PM	1560	0.0	1499	1498	62	17.03+	435	60.2	8.1	30.8
3-4 PM	1509	0.0	1499	1493	16	17.00+	434	60.2	8.1	30.8
4-5 PM	1438	0.0	1499	1438	0	15.97+	406	60.2	8.3	30.8
5-6 PM	1339	0.0	1499	1339	0	11.85	298	60.2	9.5	30.8
6-7 PM	1181	0.0	1499	1181	0	2.15	77	60.2	26.3	36.3
7-8 PM	986	0.0	1500	986	0	0.45	0	60.2	46.9	41.7
8-9 PM	829	0.0	1500	829	0	0.43	0	60.2	47.4	42.3
9-10 PM	694	0.0	1500	694	0	0.41	0	60.2	47.8	42.8
10-11 PM	527	0.0	1500	527	0	0.39	0	60.2	48.3	43.4
11PM-MID	357	0.0	1500	357	0	0.37	0	60.2	48.8	44.0

+ 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	0.0054
MAIN ROUTE WITH WORKS	0.0039
'DIVERSION'	0.0001

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,368
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

