

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

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	205	0.0	1500	205	0	0.35	0	60.2	49.2	44.6
1-2 AM	128	0.0	1500	128	0	0.34	0	60.2	49.5	45.0
2-3 AM	108	0.0	1500	108	0	0.34	0	60.2	49.6	45.1
3-4 AM	62	0.0	1500	62	0	0.34	0	60.2	49.7	45.3
4-5 AM	61	0.0	1500	61	0	0.34	0	60.2	49.7	45.3
5-6 AM	84	0.0	1500	84	0	0.34	0	60.2	49.7	45.1
6-7 AM	142	0.0	1500	142	0	0.35	0	60.2	49.5	44.9
7-8 AM	331	0.0	1500	331	0	0.37	0	60.2	48.9	44.2
8-9 AM	528	0.0	1500	528	0	0.39	0	60.2	48.3	43.4
9-10 AM	767	0.0	1500	767	0	0.42	0	60.2	47.6	42.5
10-11 AM	1113	0.0	1500	1113	0	0.47	0	60.2	46.6	41.3
11AM-NOON	1321	0.0	1500	1321	0	0.73	0	60.2	41.2	35.0
NOON-1PM	1481	0.0	1500	1481	0	0.95	0	60.2	37.8	31.2
1-2 PM	1430	0.0	1500	1430	0	0.88	0	60.2	38.8	32.3
2-3 PM	1419	0.0	1499	1419	0	0.86	0	60.2	39.0	32.5
3-4 PM	1510	0.0	1499	1510	0	1.20	6	60.2	34.3	30.8
4-5 PM	1379	0.0	1500	1379	0	0.83	0	60.2	39.6	33.5
5-6 PM	1205	0.0	1500	1205	0	0.58	0	60.2	44.1	38.3
6-7 PM	1066	0.0	1500	1066	0	0.46	0	60.2	46.7	41.4
7-8 PM	820	0.0	1500	820	0	0.43	0	60.2	47.4	42.3
8-9 PM	607	0.0	1500	607	0	0.40	0	60.2	48.1	43.1
9-10 PM	448	0.0	1500	448	0	0.38	0	60.2	48.5	43.7
10-11 PM	316	0.0	1500	316	0	0.37	0	60.2	48.9	44.2
11PM-MID	182	0.0	1500	182	0	0.35	0	60.2	49.4	44.8

----- 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	0.0042
MAIN ROUTE WITH WORKS	0.0031
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$3,217
CONGESTED HOURS PER DAY*	0

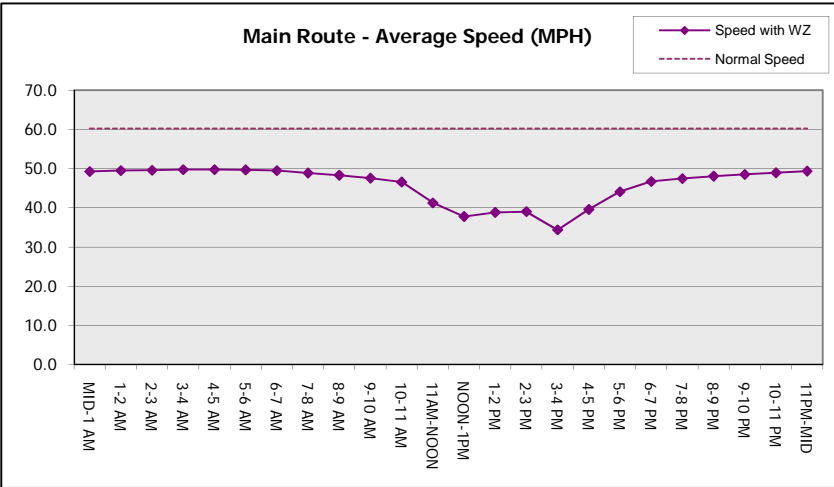
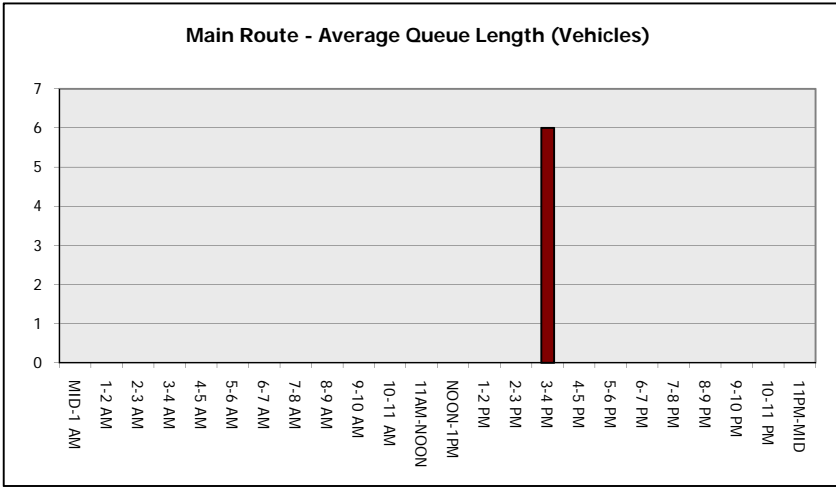
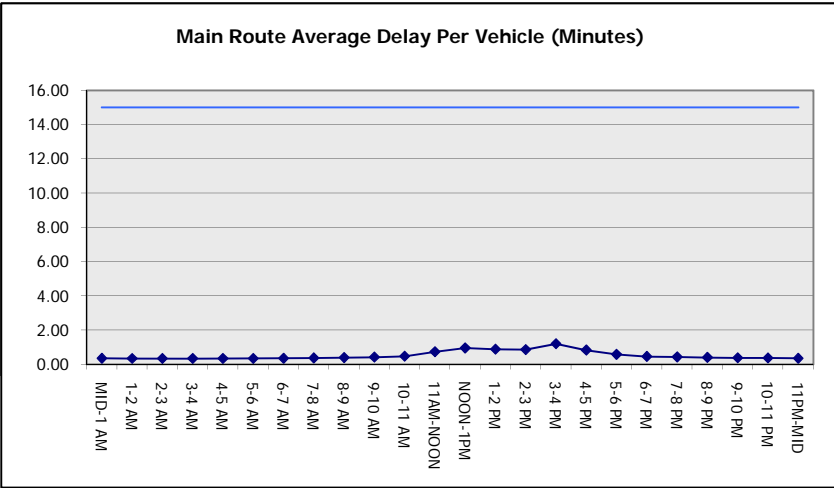
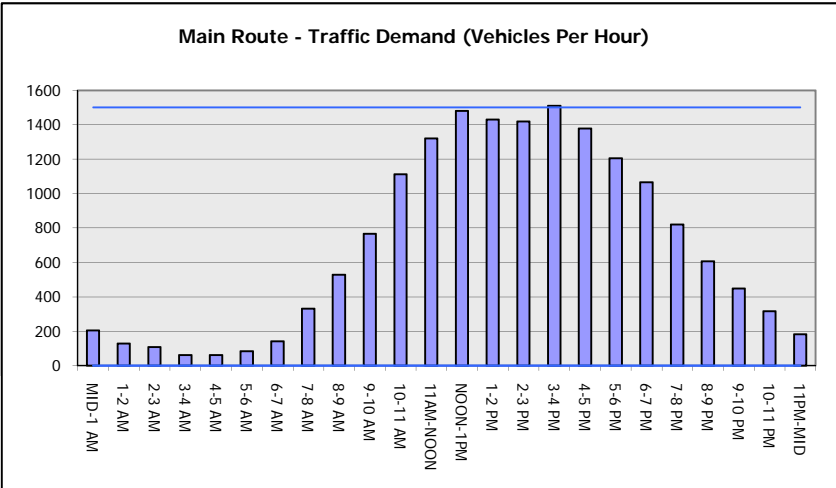
*Delays Exceeding User-Specified Maximum

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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)	MAY
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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	239	0.0	1500	239	0	0.36	0	60.2	49.2	44.5
1-2 AM	144	0.0	1500	144	0	0.35	0	60.2	49.5	44.9
2-3 AM	125	0.0	1500	125	0	0.34	0	60.2	49.6	45.0
3-4 AM	67	0.0	1500	67	0	0.34	0	60.2	49.7	45.2
4-5 AM	59	0.0	1500	59	0	0.34	0	60.2	49.7	45.3
5-6 AM	110	0.0	1500	110	0	0.34	0	60.2	49.6	45.0
6-7 AM	216	0.0	1500	216	0	0.36	0	60.2	49.2	44.6
7-8 AM	323	0.0	1500	323	0	0.37	0	60.2	48.9	44.2
8-9 AM	601	0.0	1500	601	0	0.40	0	60.2	48.1	43.1
9-10 AM	925	0.0	1500	925	0	0.44	0	60.2	47.1	41.9
10-11 AM	1255	0.0	1499	1255	0	0.64	0	60.2	42.9	36.9
11AM-NOON	1473	0.0	1499	1473	0	0.99	1	60.2	37.1	31.5
NOON-1PM	1600	0.0	1500	1600	0	2.84	55	60.2	21.6	30.8
1-2 PM	1539	0.0	1499	1539	0	5.74	129	60.2	13.8	30.8
2-3 PM	1512	0.0	1499	1512	0	6.65	153	60.2	12.7	30.8
3-4 PM	1493	0.0	1499	1493	0	6.69	154	60.2	12.7	30.8
4-5 PM	1508	0.0	1500	1508	0	6.92	161	60.2	12.4	30.8
5-6 PM	1294	0.0	1499	1294	0	2.61	73	60.2	23.2	33.4
6-7 PM	1097	0.0	1500	1097	0	0.46	0	60.2	46.6	41.4
7-8 PM	916	0.0	1500	916	0	0.44	0	60.2	47.1	42.0
8-9 PM	749	0.0	1500	749	0	0.42	0	60.2	47.6	42.6
9-10 PM	523	0.0	1500	523	0	0.39	0	60.2	48.3	43.4
10-11 PM	344	0.0	1500	344	0	0.37	0	60.2	48.9	44.1
11PM-MID	180	0.0	1500	180	0	0.35	0	60.2	49.4	44.8

----- 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	0.0046
MAIN ROUTE WITH WORKS	0.0034
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$14,750
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

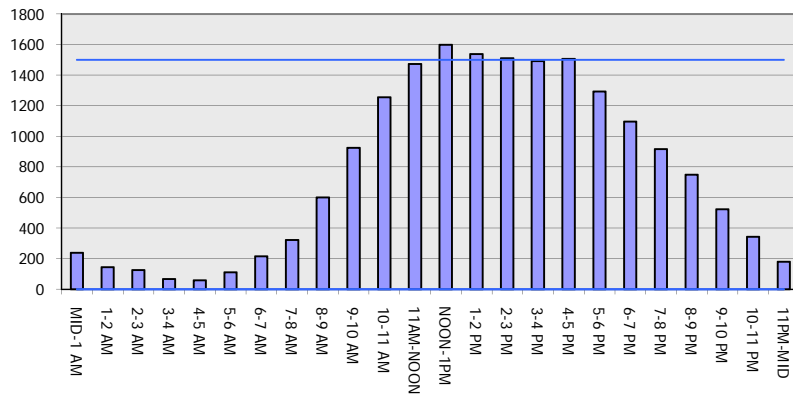
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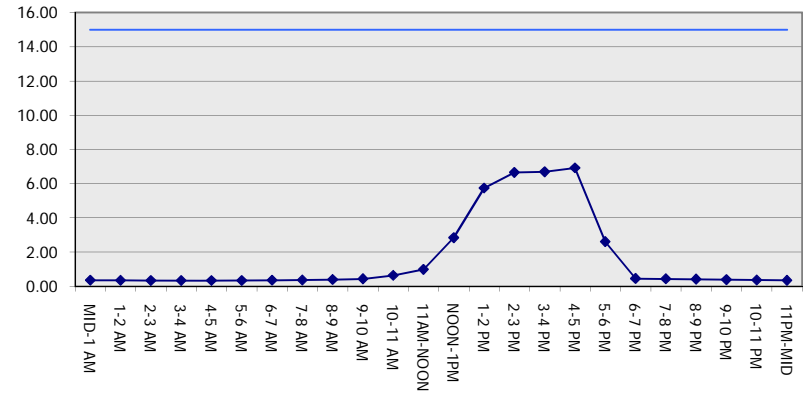
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

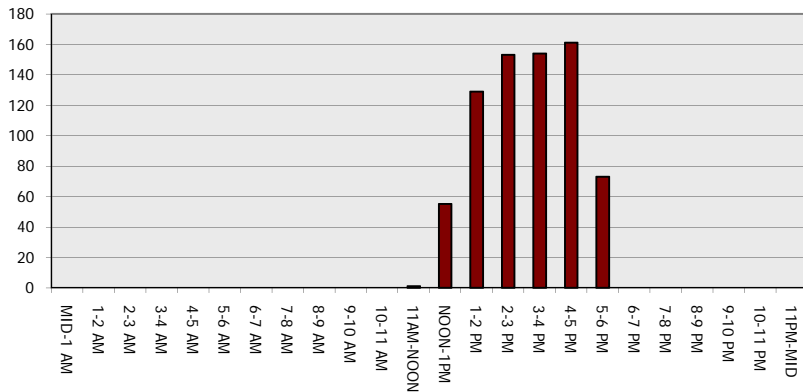
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

