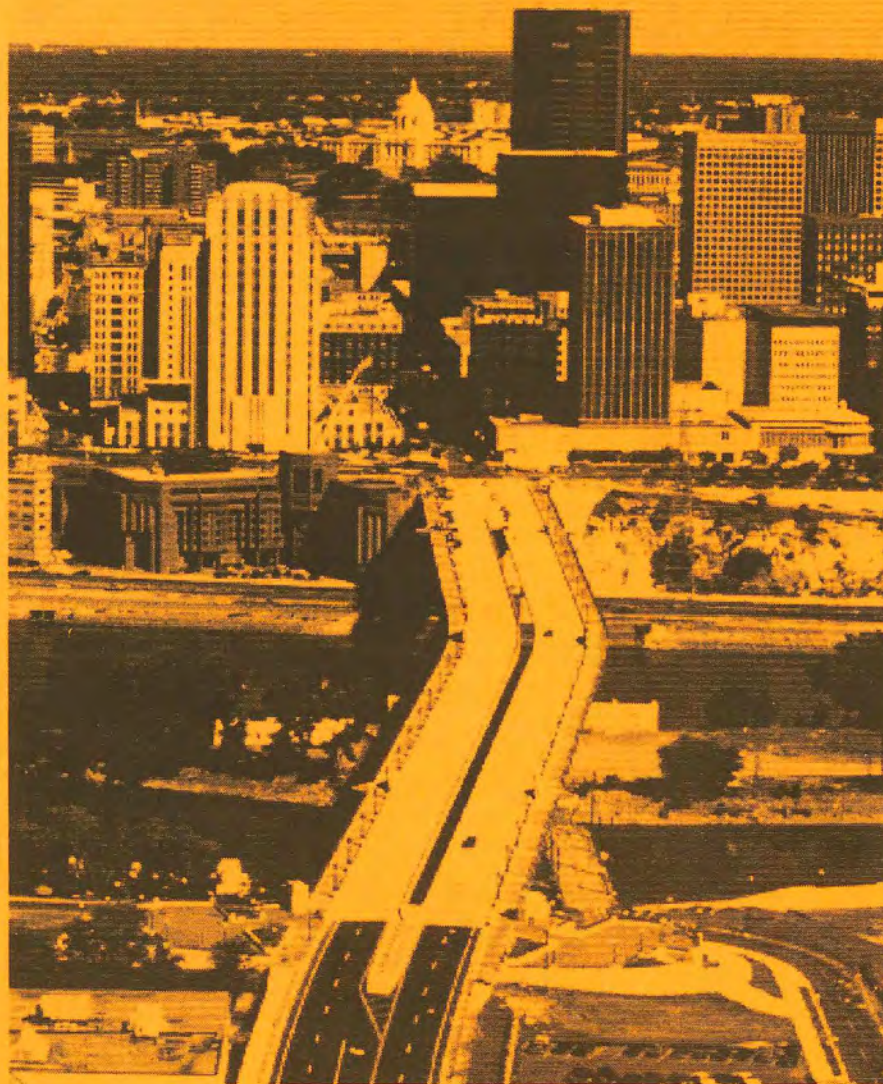




1998

# MUNICIPAL STATE AID NEEDS REPORT



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of Transportation

St. Paul's Wabasha Street bridge (MSAS 235) was reconstructed in 1997-98

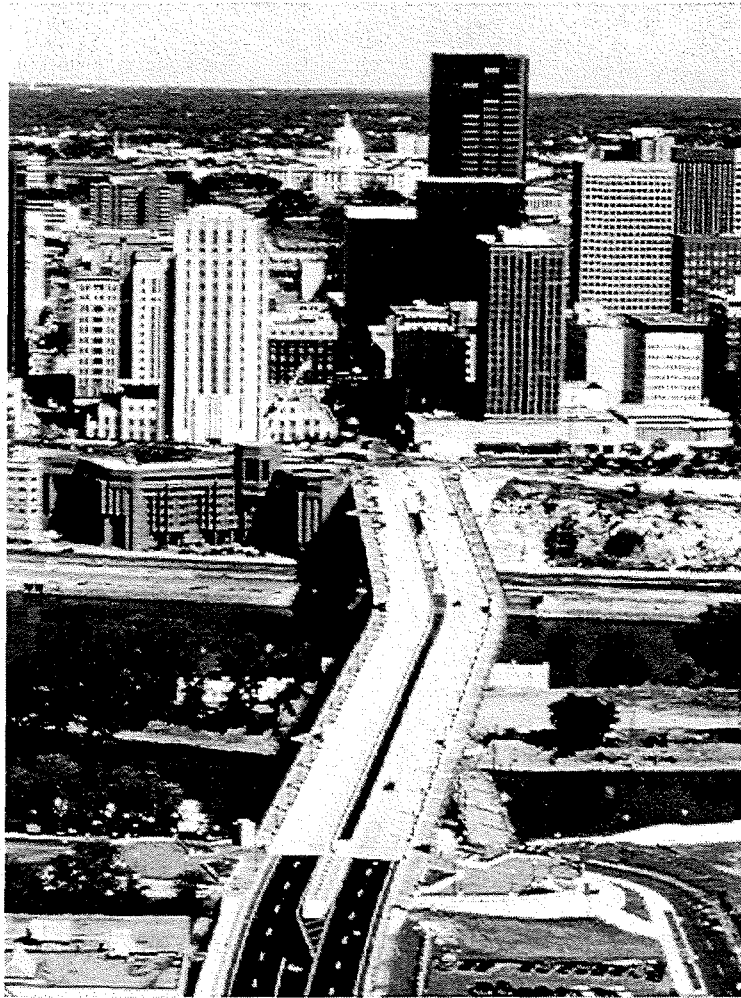
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1998

October, 1998

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# THE WABASHA STREET BRIDGE

Saint Paul



## Estimated Cost

\$35 Million total

\$12 Million in Federal transportation funds

\$3 million in State bridge bonding

\$20 from Capital Improvement Bonds, Municipal State Aid, and other local funds

## Design Features

concrete box girder structure type, in a soft buff color (sandstone yellow)

curved alignment and split roadways- 2 traffic lanes and a bike lane in each direction

two 11.33 foot wide sidewalks

six overlook areas defined by ornamental grillwork in patina green (weathered copper)

ornamental railings in terra cotta (earth brown)

ornamental light standards, aesthetic illumination integrated within the grillwork, and three pairs

of searchlights for special events in Saint Paul

plaza areas on each end of the bridge

a new Raspberry Island bridge to provide access to the island from the south bank

**October 1998**

**(612) 296-1662**

**TO : Municipal Engineers**

**SUBJECT : 1998 Municipal State Aid Needs Report**

**Enclosed is a copy of the 1998 Municipal State Aid Needs Report, which will be reviewed October 27 & 28 by the Screening Board to make a final determination of the money needs.**

**This report has been compiled by the Municipal State Aid Needs Unit in conjunction with the Office of Finance. If you have any questions or suggestions concerning this data, please contact me at the above number.**

**Distribution of this report is sent to all Municipal Engineers, and when a consulting engineer is engaged by the municipality, a copy is also sent to the municipal clerk.**

**A limited amount of additional copies of this report are available on request.**

**Sincerely,**

A handwritten signature in cursive script, appearing to read 'Ken', written in black ink.

**Kenneth Straus  
Municipal State Aid Needs Unit**

**Enclosures:  
1998 Municipal State Aid Needs Report**

## **PREFACE**

**The "1998 Municipal State Aid Needs Report" is presented to the Municipal Screening Board for use in making their annual construction (money) needs recommendation to the Commissioner of Transportation.**

**This submittal is required by Mn. Statute 162.13 Sub .3 and is to be made to the commissioner on or before November 1 of each year for his determination.**

**The construction (money) needs data contained in this publication has been compiled from reporting submitted by each individual municipality.**

**Design is established by State Aid Standards based on traffic, and the money needs are calculated using the unit prices as determined by the Municipal Screening Board at their spring meeting in June, 1998.**

**The estimated Population data is combined with the Commissioner's final construction (money) needs and the result will be used to determine the 1999 allocation which will be reported in the "1999 Municipal State Aid Apportionment Data" to be published in January, 1999.**



# Table of Contents

♦	Map of Highway Districts and Urban Municipalities.....	1
♦	1998 Municipal Screening Board.....	2
♦	Subcommittees Appointed by the Commissioner.....	3
♦	Past Municipal Screening Board Representatives.....	4-5
♦	Minutes of the Spring Screening Board Meeting.....	6-14
♦	Needs, Mileage, and Apportionment.....	15-18
♦	Theoretical 1998 Population Apportionment.....	19-27
♦	Needs Study Update.....	28-32
♦	Itemized Tabulation of Needs.....	33
♦	Comparison of 1996 to 1997 Construction Needs.....	34
♦	Tentative Construction Needs Apportionment Determination.....	35-39
	<b>ADJUSTMENTS TO THE 1997 CONSTRUCTION NEEDS</b>	
♦	Unencumbered Construction Fund Balance.....	42-44
♦	Unamortized Bond Account Balance.....	45-46
♦	Non-existing Bridge Construction.....	47
♦	Right of Way Acquisition.....	48-51
♦	Trunk Highway Turnback Maintenance Allowance.....	52
♦	Construction Needs Recommendation to the Commissioner.....	53
♦	Adjusted Construction Needs Recommendation.....	54-55
♦	Theoretical 1999 Total Apportionment.....	56-58
♦	1998 to 1999 Total Theoretical Apportionment Comparison.....	59-61
♦	Apportionment Ranking.....	62-64
	<b>OTHER TOPICS</b>	
♦	General Fund Advance.....	67-68
♦	Unit Prices by District.....	69-74
♦	Administrative Account.....	75
♦	Research Account Motion.....	76
♦	Screening Board Resolutions.....	77-87

# STATE OF MINNESOTA

HIGHWAY DISTRICTS AND  
URBAN MUNICIPALITIES  
(population over 5000)  
126 Cities

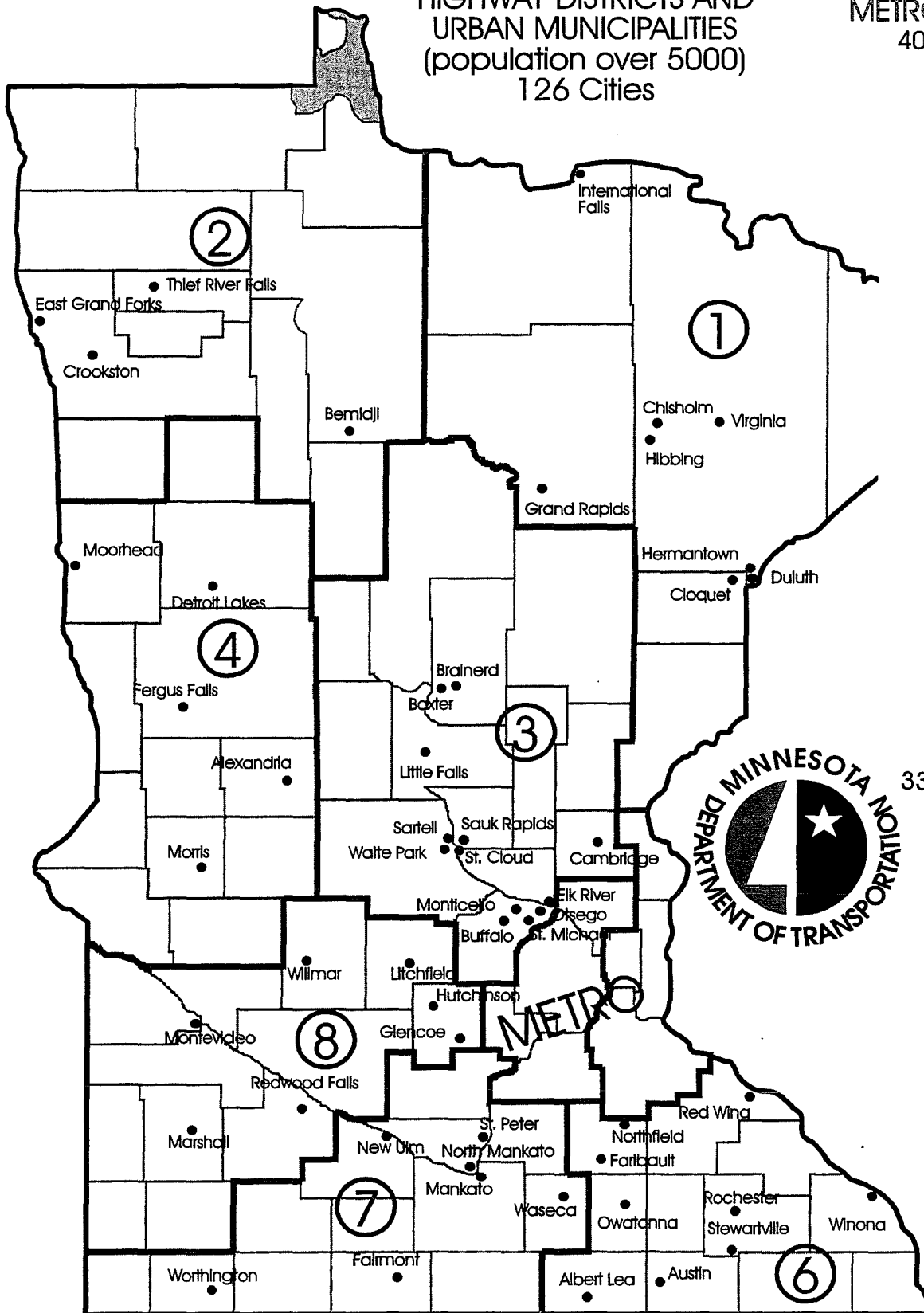
## METRO MUNICIPALITIES

### 40 Metro West Cities

Andover  
Anoka  
Blaine  
Bloomington  
Brooklyn Center  
Brooklyn Park  
Champlin  
Chanhassen  
Chaska  
Columbia Heights  
Coon Rapids  
Corcoran  
Crystal  
Dayton  
East Bethel  
Eden Prairie  
Edina  
Fridley  
Golden Valley  
Ham Lake  
Hopkins  
Lino Lakes  
Maple Grove  
Minneapolis  
Minnetonka  
Mound  
New Hope  
Oak Grove  
Orono  
Plymouth  
Prior Lake  
Ramsey  
Richfield  
Robbinsdale  
St. Anthony  
St. Louis Park  
Savage  
Shakopee  
Shorewood  
Spring Lake Park

### 33 Metro East Cities

Apple Valley  
Arden Hills  
Burnsville  
Cottage Grove  
Eagan  
Falcon Heights  
Farmington  
Forest Lake  
Hastings  
Hugo  
Inver Grove Heights  
Lake Elmo  
Lakeville  
Little Canada  
Mahtomedi  
Maplewood  
Mendota Heights  
Mounds View  
New Brighton  
North Branch  
North St. Paul  
Oakdale  
Rosemount  
Roseville  
St. Paul  
St. Paul Park  
Shoreview  
South St. Paul  
Stillwater  
Vadnais Heights  
West St. Paul  
White Bear Lake  
Woodbury



October, 1998

**1998 MUNICIPAL SCREENING BOARD****OFFICERS**

<b>Chairman</b>	<b>John Rodeberg</b>	<b>Hutchinson</b>	<b>(320) 234-4208</b>
<b>Vice Chairman</b>	<b>Ken Ashfeld</b>	<b>Maple Grove</b>	<b>(612) 494-6420</b>
<b>Secretary</b>	<b>Dave Halter</b>	<b>Grand Rapids</b>	<b>(218) 326-7602</b>

**MEMBERS**

<b><u>District</u></b>	<b><u>Served</u></b>	<b><u>Representative</u></b>		
<b>1</b>	<b>1</b>	<b>David Salo</b>	<b>Hermantown</b>	<b>(218) 727-8796</b>
<b>2</b>	<b>2</b>	<b>David Kildahl</b>	<b>Crookston</b>	<b>(218) 281-6545</b>
<b>3</b>	<b>2</b>	<b>Terry Wotzka</b>	<b>Waite Park</b>	<b>(612) 253-1000</b>
<b>4</b>	<b>1</b>	<b>Tim Schoonhoven</b>	<b>Sauk Rapids</b>	<b>(320) 762-8149</b>
<b>Metro-West</b>	<b>3</b>	<b>Jack Bittle</b>	<b>Alexandria</b>	<b>(612) 421-1955</b>
<b>6</b>	<b>1</b>	<b>David Olson</b>	<b>Champlin</b>	<b>(507) 377-4325</b>
<b>7</b>	<b>3</b>	<b>Larry Read</b>	<b>Albert Lea</b>	<b>(507) 238-9461</b>
<b>8</b>	<b>2</b>	<b>Daniel Sarff</b>	<b>Fairmont</b>	<b>(612) 231-3956</b>
<b>Metro-East</b>	<b>3</b>	<b>Dave Jessup</b>	<b>Litchfield</b>	<b>(612) 714-3593</b>
<b>(Three Cities</b>		<b>Mark Winson</b>	<b>Woodbury</b>	<b>(218) 723-3278</b>
<b>of the</b>		<b>Ramankutty Kannankutty</b>	<b>Duluth</b>	<b>(612) 673-2476</b>
<b>First Class)</b>		<b>Ed Warn</b>	<b>Minneapolis</b>	<b>(612) 266-6142</b>
<b><u>District</u></b>		<b><u>Alternates</u></b>		
<b>1</b>		<b>David Mattei</b>	<b>Chisholm</b>	<b>(218) 254-5793</b>
<b>2</b>		<b>Michael Metso</b>	<b>Bemidji</b>	<b>(218) 759-3576</b>
<b>3</b>		<b>Larry Koshak</b>	<b>Otsego</b>	<b>(612) 427-5860</b>
<b>4</b>		<b>Steve Windish</b>	<b>Morris</b>	<b>(320) 762-8149</b>
<b>Metro-West</b>		<b>Lee Gustafson</b>	<b>Minnetonka</b>	<b>(612) 939-8200</b>
<b>6</b>		<b>Tim Murray</b>	<b>Faribault</b>	<b>(507) 334-2222</b>
<b>7</b>		<b>Steven P. Koehler</b>	<b>New Ulm</b>	<b>(507) 359-8245</b>
<b>8</b>		<b>Keith Nelson</b>	<b>Marshall</b>	<b>(507) 537-6774</b>
<b>Metro-East</b>		<b>Mark Burch</b>	<b>White Bear Lake</b>	<b>(612) 429-8531</b>

## **1998 SUBCOMMITTEES**

The Screening Board Chairman appoints one city Engineer, who has served on the Screening Board, to serve a three year term on the Needs Study Subcommittee.

The past Chairman of the Screening Board is appointed to serve a three year term on the Unencumbered Construction Fund Subcommittee.

<b>NEEDS STUDY SUBCOMMITTEE</b>	<b>UNENCUMBERED CONSTRUCTION FUNDS SUBCOMMITTEE</b>
<p>Ken Saffert - Chairman Mankato (507) 387-8631 Expires in 1998</p>	<p>Dan Edwards - Chairman Fergus Falls (218) 739-2251 Expires in 1998</p>
<p>Curt Kreklau Buffalo (612) 682-1181 Expires in 1999</p>	<p>Dave Sonnenberg Minneapolis (612) 673-2443 Expires in 1999</p>
<p>Dave Halter Grand Rapids (218) 326-7602 Expires in 2000</p>	<p>Brian Bachmeier Oakdale (612) 739-5086 Expires in 2000</p>

### **ALLOCATION STUDY SUBCOMMITTEE**

Ramankutty Kannankutty - Minneapolis (Chair)	(612) 673-2456
Gerald Butcher - Maple Grove	(612) 420-4000
Tom Drake - Red Wing	(612) 227-6220
John Flora - Fridley	(612) 571-3450
Jim Prusak - Cloquet	(218) 879-6758
Herb Reimer - Moorhead	(218) 299-5390
Mike Rardin - St. Louis Park	(612) 924-2551
Ed Warn - St. Paul	(612) 266-6142



**MUNICIPAL SCREENING BOARD REPRESENTATIVES****DISTRICTS**

4

YEAR	DISTRICT 1	DISTRICT 2	DISTRICT 3	DISTRICT 4	METRO WEST	DISTRICT 6	DISTRICT 7	DISTRICT 8	METRO EAST
1976	BOYER	WIDSETH	KRIHA Brainerd	REIMER Moorhead	ODLAND	ANDERSON Red Wing	MENK St. Peter	ADEN Marshall	DAVIDSON Inver Gr. Hgts.
1977	PFUTZENREUTER Virginia	WIDSETH	KRIHA	RONNING Fergus Falls	ODLAND	ANDERSON	MENK	ADEN	DAVIDSON
1978	PFUTZENREUTER	WIDSETH	KRIHA	RONNING	BUTCHER Maple Grove	ANDERSON	PUTNAM New Ulm	ADEN	HONCHELL Roseville
1979	PFUTZENREUTER	VENCEL Bemidji	ENGSTRON Little Falls	RONNING	BUTCHER	ANDERSON	PUTNAM	CARLSON	HONCHELL
1980	MADSEN	VENCEL	ENGSTRON	REIMER	BUTCHER	LEUTH Owatonna	PUTNAM	CARLSON	SIMON S. St. Paul
1981	PFUTZENREUTER	WIDSETH	ENGSTRON	REIMER	ASMUS	LEUTH	ORTLOFF Waseca	CARLSON	KLEINSCHMIDT Inver Gr. Hgts.
1982	PFUTZENREUTER Virginia	FREEBERG Bemidji	DOLENTZ St. Cloud	BAKKEN Detroit Lakes	ASMUS	LEUTH	ORTLOFF	ADEN	KLEINSCHMIDT
1983	PRUSAK Cloquet	FREEBERG	DOLENTZ	BAKKEN	ASMUS	PLUMB Rochester	ORTLOFF	ADEN	KLEINSCHMIDT
1984	PRUSAK	FREEBERG	DOLENTZ	BAKKEN	RUDRUD Bloomington	PLUMB	MENK	ADEN	GATLIN White Bear Lk.
1985	PRUSAK	SANDERS	SCHWENINGER Brainerd	BAKKEN	RUDRUD	PLUMB	MENK	RODEBERG Montevideo	GATLIN
1986	BUSBY Hibbing	SANDERS	SCHWENINGER	EDWARDS Fergus Falls	RUDRUD	MURPHY Austin	MENK	RODEBERG	GATLIN
1987	BUSBY	SANDERS	SCHWENINGER	EDWARDS	OTTENSMANN Coon Rapids	MURPHY	HAFFIELD Worthington	RODEBERG	SIGGERUD Burnsville
1988	BUSBY	WALKER Th River Falls	MAURER Elk River	EDWARDS	OTTENSMANN	MURPHY	HAFFIELD	BETTENDORF Litchfield	SIGGERUD
1989	DRAGISICH Virginia	WALKER	MAURER	MOEN Alexandria	OTTENSMANN	DRAKE Red Wing	HAFFIELD	BETTENDORF	SIGGERUD
1990	DRAGISICH	WALKER	MAURER	MOEN	EASTLING Richfield	DRAKE	MCCLURG New Ulm	BETTENDORF	HAIDER Maplewood
1991	PRUSAK Cloquet	KILDAHL Crookston	WILLIAMSON Sauk Rapids	MOEN	EASTLING	DRAKE	MCCLURG	SWANSON Willmar	HAIDER
1992	PRUSAK	KILDAHL	WILLIAMSON	REIMER Moorhead	EASTLING	PUTNAM OWATONNA	MCCLURG	SWANSON	HAIDER
1993	PRUSAK	KILDAHL	WILLIAMSON	REIMER	ANDERSON Prior Lake	PUTNAM	SAFFERT Mankato	SWANSON	BACHMEIER Oakdale
1994	PRUSAK	BOELL Bemidji	KREKLAU Buffalo	REIMER	ANDERSON	PUTNAM	SAFFERT	VICTOR Marshall	BACHMEIER
1995	HALTER Grand Rapids	SANDERS E. Gr. Forks	KREKLAU	NANSEN Det. Lakes	ANDERSON	MALIN Winona	SAFFERT	RODEBERG Hutchinson	BACHMEIER
1996	HALTER	SANDERS	KREKLAU	NANSEN	BITTLE Champlin	MALIN	READ Fairmont	RODEBERG	JESSUP Woodbury
1997	HALTER	KILDAHL Crookston	WOTZKA Sartell, Waite Park	NANSEN	BITTLE	MALIN	READ	SARFF Litchfield	JESSUP
1998	SALO Hermantown	KILDAHL	WOTZKA	SCHOONHOVEN Alexandria	BITTLE	Olson Albert Lea	READ	SARFF	JESSUP

# MUNICIPAL SCREENING BOARD REPRESENTATIVES

CITIES OF THE FIRST CLASS AND OFFICERS

YEAR	MPLS	ST. PAUL	DULUTH	CHAIR	VICE CHAIR	SECRETARY
1976	SORENSEN	SCHNARR	DAVIDSON	MERILA Brooklyn Park		ASMUS Minnetonka
1977	SORENSEN	SCHNARR	DAVIDSON	COOK Faribault	ASMUS Minnetonka	THENE Wt. Br. Lk.
1978	SMITH	WHEELER	DAVIDSON	ASMUS Minnetonka	THENE Wt. Br. Lk.	PRIEBE Hutchinson
1979	SMITH	WHEELER	DAVIDSON	PRIEBE Hutchinson	ADEN Marshall	BAKER Mankato
1980	SMITH	WHEELER	DAVIDSON	ADEN Marshall	BAKER Mankato	HONCHELL Roseville
1981	SMITH	PETERSON	DAVIDSON	BAKER Mankato	HONCHELL Roseville	SIMON S. St. Paul
1982	HOSHAW	PETERSON	DAVIDSON	HONCHELL Roseville	SIMON S. St. Paul	REIMER Moorhead
1983	HOSHAW	PETERSON	DAVIDSON	SIMON S. St. Paul	REIMER Moorhead	SPURRIER Shakopee
1984	HOSHAW	PETERSON	BERG	REIMER Moorhead	SPURRIER Shakopee	ANDERSON Prior Lake
1985	HOSHAW	PETERSON	CARLSON	SPURRIER Shakopee	ANDERSON Prior Lake	SAFFERT Mankato
1986	HOSHAW	PETERSON	CARLSON	ANDERSON Prior Lake	SAFFERT Mankato	MOORE Plymouth
1987	HOSHAW	KUHFELD	CARLSON	SAFFERT Mankato	MOORE Plymouth	RUDRUD Bloomington
1988	HOSHAW	KUHFELD	CARLSON	MOORE Plymouth	RUDRUD Bloomington	BULLERT Northfield
1989	HOSHAW	KUHFELD	LARSON	RUDRUD Bloomington	BULLERT Northfield	GRUBE St. Louis Park
1990	HOSHAW	KUHFELD	LARSON	BULLERT Northfield	GRUBE St. Louis Park	EDWARDS Fergus Falls
1991	HOSHAW	KUHFELD	LARSON	GRUBE St. Louis Park	EDWARDS Fergus Falls	GRAY Eden Prairie
1992	HOSHAW	KUHFELD	LARSON	EDWARDS Fergus Falls	GRAY Eden Prairie	LARSON Duluth
1993	SPURRIER	KUHFELD	LARSON	GRAY Eden Prairie	LARSON Duluth	SONNENBERG Minnetonka
1994	KANNANKUTTY	KUHFELD	LARSON	LARSON Duluth	SONNENBERG Minnetonka	SWANSON Willmar
1995	KANNANKUTTY	ST MARTIN	LARSON	SONNENBERG Minnetonka	SWANSON Willmar	BACHMEIER Oakdale
1996	KANNANKUTTY	ST MARTIN	LARSON	SONNENBERG BACHMEIER	BACHMEIER Oakdale	RODEBERG Hutchinson
1997	KANNANKUTTY	WARN	BEEMAN	BACHMEIER Oakdale	RODEBERG Hutchinson	ASHFELD Maple Grove
1998	KANNANKUTTY	WARN	WINSON	RODEBERG Hutchinson	ASHFELD Maple Grove	HALTER Grand Rapids

# 1998 MUNICIPAL SCREENING BOARD SPRING MEETING MINUTES

June 9 and 10, 1998

## I. Opening by Chairman Rodeberg

The 1998 Municipal Screening Board Spring Meeting was called to order at 1:00 p.m.,  
June 9, 1998

### A. Chairman Rodeberg Introduced:

Ken Ashfeld, Maple Grove- Vice-Chair of the Municipal Screening Board

Pat Murphy, Mn\DOT- Director, State Aid for Local Transportation

Ken Straus, Mn\DOT- Manager, Municipal State Aid Needs Unit

Ken Saffert, Mankato- Chair of the Needs Study Subcommittee

Dan Edwards, Fergus Falls - Chair of the Unencumbered Construction Fund Subcommittee

Brian Bachmeier, Oakdale- Past Chair of the Municipal Screening Board

Ramankutty Kannankutty, Minneapolis- Chair of the Allocation Study Subcommittee

Dave Halter, Grand Rapids- Secretary of the Screening Board.

The Secretary conducted a roll of the members. All were present as follows:

District 1	District 2	District 3	District 4
Dave Salo	David Kildahl	Terry Wotzka	Tim Schoonoven
Hermantown	Crookston	Sauk Rapids	Alexandria
		Waite Park	
Metro West	District 6	District 7	District 8
Jack Bittle	David Olson	Larry Read	Dan Sarff
Champlin	Albert Lea	Fairmont	Litchfield

Metro East	Duluth	Minneapolis	St. Paul
David Jessup	Mark Winson	Ramnakutty	Ed Warn
Woodbury		Kannankutty	

Recognize Screening Board Alternates. All were present as follows:

Metro-West	District 7	Metro East
Lee Gustafson	Steven Koehler	Mark Burch
Minnetonka	New Ulm	White Bear lake

B. The Chair recognized Department of Transportation personnel.

Mike Pinsonneault	Ken Hoeschen
Assistant State Aid Engineer	Manager, County State Aid Needs

Mike Tardy	Luane Tasa
District 1 State Aid Engineer	District 2 State Aid Engineer

Kelvin Howieson	Tallack Johnson
District 3 State Aid Engineer	District 4 State Aid Engineer

Andy Schmidt	Doug Haeder
Acting District 6 State Aid Engineer	District 7 State Aid Engineer

Tom Behm	Bob Brown
District 8 State Aid Engineer	Metro Division State Aid Engineer

C. The Chair recognized others in attendance.

Dave Kreager  
Duluth

Greg Peterson  
St. Paul

Dan Sabin  
Minneapolis

Larry Veek  
Minneapolis

Ani Mehra  
Minneapolis

Marshall Johnston  
Municipal State Aid Needs

Greg Coughlin  
Ass't. Metro District State Aid Engineer

Greg Felt  
Ass't. Metro District State Aid Engineer

## **II. 1998 Municipal Screening Board Data Booklet**

**A. The Fall 1997 Screening Board Minutes were presented for approval:**

**Motion by Mark Winson/Second by Ramankutty Kannankutty to approve the minutes.**

**Motion passed**

**B. Ken Straus reviewed the Municipal Needs Report**

He pointed out the 1998 Screening Board members and subcommittees.

He went through and highlighted the spring book and noted that page 9 is a summary of the total needs.

**C. Needs Study Subcommittee Meeting Minutes:**

Ken Straus highlighted the subcommittee minutes. He noted that railroad crossings had increased in price dramatically and that bridges had been recommended for an increase from \$55 to \$60 per square foot.

The subcommittee recommends a price study on an annual basis.

**D. Ken Straus reviewed the Unit Prices and Graphs**

**E. Discussion on Unit Price Review**

David Jessup prefers the two year review cycle of unit prices because it frees up MN/Dot personnel for other work. David Kildahl believes an issue is that outstate districts are paying more than the needs unit prices. He would like the needs to be looked at on a district by district basis. He would like the Needs Subcommittee to look at this in the future. Tim Schoonhoven was in agreement with Kildahl and thought it should be given Committee consideration.

It was noted that MN/Dot estimates the special drainage needs unit prices.

There are three issues for consideration when the committee reconvenes on June 10:

1. Adopt unit prices
2. One or two year unit price update?
3. Unit price variances between districts.

**F. General Fund Advances**

There was discussion on whether the threshold for advances of \$40 million should be revised? Dan Edwards reviewed the recommendation of the Unencumbered Construction



Subcommittee. He noted there are requests for about \$5,000,000 in advances with only \$3,000,000 remaining to be advanced with the current threshold. They recommend reducing the threshold to \$30,000,000.

Mark Winson and David Jessup spoke in favor of the recommendation. The advances as well as other rule changes have done a lot to reduce the fund balance from its high of \$130,000,000 in 1992.

#### G. Unencumbered Construction Fund Balances

Should an adjustment be made to the construction needs of cities with high construction fund balances? Dan Edwards reported on the committee findings. It was noted that there were 95 cities with less than two times their allocation, thirty cities with more than two times their allocation. There is one city that has seven times its allocation. He suggested that cities with high allocations should be asked to explain the reason they are so high. The subcommittee would like to see an adjustment made by the Screening Board if there is no valid reason for a high balance.

All of the district Screening Board members were polled on the issue. It was noted by all districts that it did not seem to be a big problem, especially with the overall balance at the level it is today.

Dan Edwards indicated that with that information that we should possibly consider followup only if a city has over five times their allocation and report in the fall.

H. Ken Straus reviewed the Memo about Municipal Traffic Counting policy and indicated there is no action required.

#### I. Mileage effect of County Road Turnback statute revision

Ken Straus provided a handout- Certification of Mileage. He would like the Board's opinion on how to handle certifications. He noted many certifications are filled out incorrectly. He believes that shows a lack of understanding of what a CSAH turnback is. David Jessup questioned whether county road turnbacks should get full needs.

The certification form should be considered for action tomorrow.

#### J. Combination Routes

The recommendation of Needs Study Subcommittee is to not give needs for combination routes after January 1, 2000. There are only a few combination routes on the system. Virginia and New Ulm are eliminating theirs. Robbinsdale has been eliminating the ones they have. Edina may be the only one left with combination routes. David Jessup indicated that the metro area is in support of eliminating needs as recommended.

K. Pat Murphy discussed Trunk Highway Turnbacks. He indicated that a trunk highway task force is currently reviewing this matter and that recommendations will be forthcoming. He expects the Association of Minnesota Counties and the League of Minnesota Cities will appoint a committee to review the allocation to the new flexible fund.

### III. Discussion on proposed Rules revisions

Pat Murphy mentioned that most of the changes involve rural situations. Timing for turnback projects is extended to 15 years. Suburban design standards have been eliminated. The biggest change to affect cities is a new category for reconditioning. You can do much more to recondition without reconstruction. There is a provision that if your system is to standards you can spend state aid on local roads. State Aid will approve the project but not the plans. In those cases you get population apportionment but not needs apportionment.

David Jessup says Metro would like a further look at what reconditioning is. Larry Read would like better definition of terms ie. recondition, reconstruction, overlay. Call Paul Stine if you have any questions.

### IV. Miscellaneous Discussion

David Jessup- Metro discussed federal requirements for metric. Metro supports metrication. Larry Read believes State Aid should allow flexibility; councils, planning comm. etc. don't want to hear metric. Pat Murphy says operating in both worlds is detrimental. State Aid will not (cannot) require metric on local projects.

Ken Straus noted he has trouble getting needs updates back from cities. Many come late or not at all. Mark Winson suggested that if you don't get them in you only get population the next year.

V. Motion was made by Ramankutty Kannankutty to adjourn ntil 8:00 A.M. Wednesday morning; second by David Kildahl. Motion carried.

## **JUNE 10, 1998 MORNING SESSION:**

The Screening Board reconvened at 8:00 a. m., Wednesday, June 10.

### **VI. Formal actions taken by the Board.**

#### **A. Unit Price recommendations**

It was noted there was an error on Page 17. The correct figure for special drainage should be \$31,710. David Kildahl moved and David Jessup seconded a motion to approve the unit price recommendations with the noted correction. Motion carried.

#### **B. Unit Price Review**

Ramankutty Kannankutty moved that unit prices should be reviewed every 2 years with an inflationary factor. Ed Warn seconded the motion. Discussion: Metro favors this option. State Aid would apply inflation factor against unit price per Ken Straus. David Salo asked "Why do this (apply inflation factor) if it doesn't effect relative needs of Cities?" Mark Winson indicated that we don't want to show the price jump all at once, and that it shows the legislature more realistic figures. The motion carried

Consider District price variances. David Kildahl moved that the consideration of district price variances be referred to the Needs Study Subcommittee; Tim Schoonhoven seconded the motion. Discussion: This only applies to items we do needs study on. Ed Warn is concerned that this be balanced and metro concerns considered and not just outstate concerns. ( Items such as lighting and signals should be considered). Motion carried.

#### **C. General Fund Advances**

Pat Murphy made the suggestion that we go from the \$40,000,000 to a \$30,000,000 minimum fund balance threshold between now and fall and he will do a review for fall meeting. Ed Warn moved to accept that suggestion; Mark Winson seconded the motion. The motion carried.

#### **D. Unencumbered Construction Fund Balance adjustment**

Ramankutty Kannankutty moved that letters be sent to cities that have a construction fund balance of over three times their annual allocation. Dan Sarff seconded the motion. Discussion: The letter should come from the Unencumbered Construction Funds Subcommittee. The motion carried.

**E. Mileage effect of County Road Turnback statute revision**

Mark Winson made a motion and David Jessup seconded it to wait to recompute the mileage until the next Certification of Mileage form is due. The motion carried.

**F. Combination Routes**

David Jessup made a motion to approve the recommendation of the Needs Study Subcommittee which is to allow needs this year and next year and to disallow needs on combination routes after that. Terry Wotzka seconded the motion. The motion carried.

**G. Discussion on reconditioning, widening**

Ramankutty Kannankutty moved and Terry Wotzka seconded it to refer this discussion to the Needs Study Subcommittee. Motion carried.

**H. Metrification**

Mark Winson moved to support Mn/Dots current schedule for metrification. David Jessup seconded the motion. Discussion: Larry Read is concerned that it has not been discussed at a CEAM winter meeting as a regular agenda item. Mark Winson withdrew his motion. David Jessup withdrew his second to the motion.

**I. Late Certification of needs.**

Tim Schoonhoven moved and Dan Sarff seconded the motion to refer this issue to the Needs Study Subcommittee. Discussion: Ken Straus would like to see stiffer penalties for missing the deadline. There is little incentive to do needs unless there is a penalty. Mark Winson supports a strong penalty if the deadline is missed. Jack Bittle would like to know the cost impact to the Cities. Motion carried.

**J. Location of County Road Turnbacks on the Certification of Mileage Form**

Mark Winson made a motion and David Olsen seconded the motion to approve the form as presented in the May 12, 1998 memo. The motion carried.

**IV. Closing comments by Pat Murphy**

Pat would like the Needs Study Subcommittee to look at the turnback issue. Ramankutty Kannankutty moved and Mark Winson seconded a motion to refer this issue to the Needs Study Subcommittee. The motion carried..

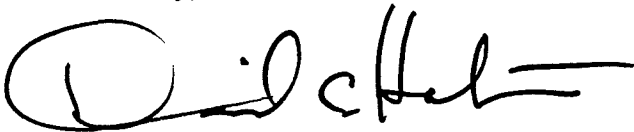
The proposed rule changes require plans to be approved by the State Aid Engineer prior to award of contract. State Aid has had problems with Cities awarding contracts contingent on State Aid approval. An award is an award and contingency does not mean anything. Changes to plans then require change orders before the constructoin even gets started Rules committee recommends that the plans should be approved prior to letting. There will be an opportunity to comment on the rules change process.

Pat thinks it is a good decision to do the price study on an every other year basis. He thinks this will free up State Aid time for other tasks.

V. The Chair thanked Ken Saffert, Chair of the Needs Study Subcommittee, Dan Edwards, Chair of the Unencumbered Construction Fund Subcommittee, Ramankutty Kannankutty, Chair of the Allocation Study Subcommittee, and the members of the Screening Board for their work.

VI. The meeting of the Municipal Screening Board was adjourned at 9:05 a.m.

Submitted by,

A handwritten signature in black ink, appearing to read 'D. Halter', with a stylized flourish at the end.

David C. Halter, P.E.  
MSA Screening Board Secretary  
Grand Rapids City Engineer

## **MILEAGE, NEEDS AND APPORTIONMENT**

**The amount to be allocated in 1999 is unknown at this time so an estimated amount of \$ 93,828,258 is used in this report. This a similar amount that was used for the 1998 apportionment. The actual amount will be announced in January 1999 when the Commissioner of Transportation makes a determination of the 1999 apportionment.**

**The estimated Maintenance and Construction amounts are not computed in this booklet due to the city's option of receiving a minimum of \$1,500 per mile or a percentage up to a maximum of 35% of their total allocation for Maintenance. If a city desires to receive more than the minimum or make a change to their request on file to cover future maintenance, the city has to inform the State Aid Office prior to December 16 of their intention. A memo is sent prior to this date to each city engineer annually informing them of this option.**

**The continuous increase in M.S.A.S. mileage is due to the increase in the total improved local street mileage of which 20% is allowed for M.S.A. street designation, Trunk and County Turnbacks and the number of cities over 5,000 population.**



**M.S.A.S. Mileage, Needs and Apportionment 1958 to 1998**

1999 figures do not include Baxter

Appt. Year	Number of Municipalities	Needs Mileage	Actual 25 Year Construction Needs	Total Apportment	Adjusted 25 Year Construction Needs	Total Apportment Per Needs Mileage	Apportment Per \$1000 of Adjusted Needs
1958	58	920.40	\$190,373,337	\$7,286,074	\$190,373,337	\$7,916.20	\$19.1363
1959	59	938.36	195,749,800	8,108,428	195,749,800	8,641.06	20.7112
1960	59	968.82	214,494,178	8,370,596	197,971,488	8,639.99	21.1409
1961	77	1131.78	233,276,540	9,185,862	233,833,072	8,116.30	19.6419
1962	77	1140.83	223,014,549	9,037,698	225,687,087	7,922.04	20.0226
1963	77	1161.06	221,458,428	9,451,125	222,770,204	8,140.08	21.2127
1964	77	1177.11	218,487,546	10,967,128	221,441,346	9,317.00	24.7631
1965	77	1208.81	218,760,538	11,370,240	221,140,776	9,406.14	25.7081
1966	80	1271.87	221,992,032	11,662,274	218,982,273	9,169.39	26.6284
1967	80	1309.93	213,883,059	12,442,900	213,808,290	9,498.90	29.0983
1968	84	1372.36	215,390,936	14,287,775	215,206,878	10,411.10	33.1954
1969	86	1412.57	209,136,115	15,121,277	210,803,850	10,704.80	35.8658
1970	86	1427.59	205,103,671	16,490,064	206,350,399	11,550.98	39.9565
1971	90	1467.30	204,854,564	18,090,833	204,327,997	12,329.33	44.2691
1972	92	1521.41	217,915,457	18,338,440	217,235,062	12,053.58	42.2087
1973	94	1580.45	311,183,279	18,648,610	309,052,410	11,799.56	30.1706
1974	95	1608.06	324,787,253	21,728,373	321,833,693	13,512.17	33.7571
1975	99	1629.30	422,560,903	22,841,302	418,577,904	14,019.09	27.2844
1976	101	1718.92	449,383,835	22,793,386	444,038,715	13,260.29	25.6660
1977	101	1748.55	488,779,846	27,595,966	483,467,326	15,782.20	28.5396
1978	104	1807.94	494,433,948	27,865,892	490,165,460	15,413.06	28.3785
1979	106	1853.71	529,996,431	30,846,555	523,460,762	16,640.44	29.4188
1980	106	1889.03	623,880,689	34,012,618	609,591,579	18,005.34	27.8609
1981	109	1933.64	695,487,179	35,567,962	695,478,283	18,394.30	25.5442
1982	105*	1976.17	705,647,888	41,819,275	692,987,088	21,161.78	30.2978
1983	106*	2022.37	651,402,395	46,306,272	631,554,858	22,897.03	36.5498
1984	106*	2047.23	635,420,700	48,580,190	613,448,456	23,729.72	39.7013
1985	107*	2110.52	618,275,930	56,711,674	589,857,835	26,870.95	48.1983
1986	107	2139.42	552,944,830	59,097,819	543,890,225	27,623.29	54.3012
1987	107	2148.07	551,850,149	53,101,745	541,972,837	24,720.68	48.9738
1988	108	2171.89	545,457,364	58,381,022	529,946,820	26,880.28	55.0588
1989	109	2205.05	586,716,169	76,501,442	588,403,918	34,693.74	64.9777
1990	112	2265.64	969,735,729	81,517,107	969,162,426	35,979.73	41.9909
1991	113	2330.30	1,289,813,259	79,773,732	1,240,127,592	34,233.25	32.1058
1992	116**	2376.79	1,374,092,030	81,109,752	1,330,349,165	34,125.75	30.4150
1993	116	2410.53	1,458,214,849	82,954,222	1,385,096,428	34,413.27	29.8910
1994	117	2471.04	1,547,661,937	80,787,856	1,502,960,398	32,693.87	26.8269
1995	118	2526.39	1,582,491,280	81,718,700	1,541,396,875	32,346.04	26.4612
1996	119	2614.71	1,652,360,408	90,740,650	1,638,227,013	34,703.91	27.6275
1997	122	2740.46	1,722,973,258	90,608,066	1,738,998,615	33,063.09	25.9148
1998	125	2815.99	1,705,411,076	93,828,258	1,746,270,860	33,319.81	26.8653
1999	126	2846.44	1,912,008,606	93,828,258	1,941,075,223	32,963.37	24.1691

\* Excluded Ely, Luverne, Pipestone, St. Paul Park which dropped below 5,000 population but received a reduced allocation per legislative action.

\*\* Excluded Redwood Falls and Eveleth. Added Redwood Falls back in 1997 apportionment.

**MSAS NEEDS MILEAGE COMPARISON**

Does not include Baxter

Municipality	1997 M.S.A.S. Needs Mileage	1998 M.S.A.S. Needs Mileage	Difference In Mileage	Municipality	1997 M.S.A.S. Needs Mileage	1998 M.S.A.S. Needs Mileage	Difference In Mileage
Albert Lea	18.65	18.74	0.09	Farmington	10.65	11.96	1.31
Alexandria	14.12	14.12	0.00	Fergus Falls	21.86	23.14	1.28
Andover	34.06	33.80	-0.26	Forest Lake	5.53	5.53	0.00
Anoka	11.98	11.98	0.00	Fridley	25.24	25.24	0.00
Apple Valley	31.74	31.74	0.00	Glencoe	6.94	6.94	0.00
Arden Hills	6.93	7.41	0.48	Golden Valley	23.55	23.55	0.00
Austin	26.96	27.64	0.68	Grand Rapids	11.40	11.40	0.00
Baxter				Ham Lake	23.55	24.47	0.92
Bemidji	14.40	14.40	0.00	Hastings	16.09	16.09	0.00
Blaine	32.86	34.41	1.55	Hermantown	12.99	12.99	0.00
Bloomington	75.34	75.36	0.02	Hibbing	50.74	50.74	0.00
Brainerd	14.25	14.25	0.00	Hopkins	9.41	9.31	-0.10
Brooklyn Center	21.67	21.65	-0.02	Hugo	14.69	14.69	0.00
Brooklyn Park	46.70	46.68	-0.02	Hutchinson	14.73	14.73	0.00
Buffalo	9.10	9.46	0.36	International Falls	8.06	8.06	0.00
Burnsville	43.69	43.70	0.01	Inver Grove Heights	23.86	23.86	0.00
Cambridge	7.12	9.21	2.09	Lake Elmo	9.53	11.48	1.95
Champlin	17.01	17.01	0.00	Lakeville	42.58	43.59	1.01
Chanhassen	21.57	21.19	-0.38	Lino Lakes	18.67	18.67	0.00
Chaska	13.58	14.87	1.29	Litchfield	8.06	8.09	0.03
Chisholm	7.99	7.99	0.00	Little Canada	8.09	8.01	-0.08
Cloquet	19.78	20.12	0.34	Little Falls	15.67	15.67	0.00
Columbia Heights	12.53	12.53	0.00	Mahtomedi	6.58	8.22	1.64
Coon Rapids	37.67	40.97	3.30	Mankato **	31.67	29.32	-2.35
Corcoran	14.18	14.72	0.54	Maple Grove	41.35	41.99	0.64
Cottage Grove	29.32	29.41	0.09	Maplewood ***	22.44	23.91	1.47
Crookston	11.46	11.46	0.00	Marshall	14.88	14.88	0.00
Crystal	17.88	17.88	0.00	Mendota Heights	13.51	13.51	0.00
Dayton	9.28	9.28	0.00	Minneapolis **	201.07	194.41	-6.66
Detroit Lakes	9.54	12.41	2.87	Minnetonka	49.93	49.90	-0.03
Duluth	105.89	105.89	0.00	Montevideo	8.08	8.58	0.50
Eagan	46.36	46.13	-0.23	Monticello	5.99	7.80	1.81
East Bethel	25.48	25.48	0.00	Moorhead **	30.09	28.48	-1.61
East Grand Forks	11.82	12.48	0.66	Morris	6.66	7.74	1.08
Eden Prairie	42.66	42.66	0.00	Mound	8.05	8.05	0.00
Edina	39.36	39.36	0.00	Mounds View	9.82	9.82	0.00
Elk River	25.78	25.78	0.00	New Brighton	14.57	14.95	0.38
Fairmont	19.38	19.41	0.03	New Hope	12.70	12.70	0.00
Falcon Heights	2.54	2.54	0.00	New Ulm	14.16	14.16	0.00
Faribault	21.40	22.06	0.66	North Branch	20.88	20.89	0.01

\*\* The 1998 total of these cities shows a reduction for mileage that is considered as 1/2 mile.

\*\*\* Needs were removed on .83 miles due to truck restrictions on a State Aid route.

<b>Municipality</b>	<b>1997 M.S.A.S. Needs Mileage</b>	<b>1998 M.S.A.S. Needs Mileage</b>	<b>Difference In Mileage</b>
North Mankato	12.42	12.56	0.14
North St. Paul	10.68	10.68	0.00
Northfield	12.06	12.06	0.00
Oak Grove	19.50	19.50	0.00
Oakdale	16.72	16.72	0.00
Orono	12.58	12.58	0.00
Otsego	13.61	13.61	0.00
Owatonna	17.56	17.56	0.00
Plymouth	48.91	50.05	1.14
Prior Lake	15.16	15.14	-0.02
Ramsey	29.18	29.18	0.00
Red Wing **	22.59	22.24	-0.35
Redwood Falls	7.87	7.87	0.00
Richfield	26.21	26.22	0.01
Robbinsdale	10.33	10.10	-0.23
Rochester	60.05	60.48	0.43
Rosemount	22.32	22.32	0.00
Roseville	28.70	28.60	-0.10
St. Anthony	5.63	5.63	0.00
St. Cloud	52.22	52.22	0.00
St. Louis Park	28.92	28.92	0.00
St. Michael	14.77	14.77	0.00
St. Paul **	159.02	164.32	5.30
St. Paul Park	5.30	5.30	0.00
St. Peter	10.59	11.70	1.11
Sartell	6.46	7.72	1.26
Sauk Rapids	10.17	10.17	0.00
Savage	16.36	16.36	0.00
Shakopee	19.38	19.48	0.10
Shoreview	15.51	16.75	1.24
Shorewood	8.24	8.24	0.00
South St. Paul	16.32	16.32	0.00
Spring Lake Park	5.25	5.25	0.00
Stewartville	3.54	3.54	0.00
Stillwater	12.80	14.02	1.22
Thief River Falls	13.99	13.99	0.00
Vadnais Heights	6.86	7.43	0.57
Virginia	12.33	12.33	0.00
Waite Park	6.45	6.45	0.00
Waseca	6.31	6.42	0.11
West St. Paul	13.10	13.10	0.00
White Bear Lake	20.03	19.22	-0.81
Willmar	23.90	23.90	0.00
Winona	21.75	21.75	0.00
Woodbury	38.18	40.16	1.98
Worthington	9.81	9.81	0.00
<b>TOTAL</b>	<b>2815.99</b>	<b>2846.44</b>	<b>30.45</b>

## **THEORETICAL 1999 M.S.A.S. POPULATION APPORTIONMENT**

The State Demographer's and Metropolitan Council's 1997 population estimates along with the Federal Census will be used to allocate 50% of the funds in the 1999 apportionment.

The estimate was used to compute the projected population apportionment when the City's population was larger than the 1990 census or special census. The census was used if the estimate indicated a lower population.

Fifty percent of the total sum is distributed on a prorated share that each city population bears to the total population. Each city will earn approximately \$15.01 per capita in apportionment from the 1999 population apportionment distribution. This projection will be somewhat revised when the actual revenue for the 1999 apportionment becomes available or if additional cities should exceed 5,000 population prior to January 1, 1999.

The following adjustments were made to the 1990 census and the 1997 estimate due to annexations.

Austin	+ 8	Hutchinson	+ 33
North Mankato	+ 10	Rochester	+ 7
Sartell	+ 5		

The following portion to the Statute was passed in 1997:

The population of a city that is not receiving a municipal state-aid apportionment shall be determined, upon request of the city, by the most recent population estimate of the metropolitan council or the state demographer. A municipal state-aid street fund apportionment received by the city must be based on this population estimate until the next federal census or special census.

Baxter, a westerly neighbor of Brainerd, was the only city added by the 1997 estimate.

# POPULATION SUMMARY

The 1990 Census and the 1997 Estimate includes population increases or decreases due to annexations or detachments.

		1990 or Special Census	1994 Population Estimate	1995 Population Estimate	1996 Population Estimate	1997 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 & 96 Estimate	Difference between 96 & 97 Estimate	Difference between 97 Estimate & 90 Census	Tentative Population to be used for 1999 Allocation
***	Albert Lea	18,312	18,338	18,207	18,185	18,009	(131)	(22)	(176)	(303)	18,312
	Alexandria	8,029	8,251	8,274	8,348	8,405	23	74	57	376	8,405
	Andover	15,216	19,465	20,497	21,495	22,369	1,032	998	874	7,153	22,369
	Anoka	17,192	17,509	17,533	17,693	17,831	24	160	138	639	17,831
	Apple Valley	34,598	39,188	40,684	41,578	42,617	1,496	894	1,039	8,019	42,617
	Arden Hills	9,199	9,426	9,560	9,678	9,692	134	118	14	493	9,692
	Austin	21,061	22,062	22,055	22,086	22,016	(7)	31	(70)	955	22,016
*****	Baxter					5,021			5,021		5,021
	Bemidji	11,166	11,494	11,422	11,509	11,682	(72)	87	173	516	11,682
	Blaine	38,975	41,658	42,268	43,029	43,847	610	761	818	4,872	43,847
	Bloomington	86,335	86,683	86,912	87,292	87,370	229	380	78	1,035	87,370
	Brainerd	12,353	12,521	12,579	12,591	13,160	58	12	569	807	13,160
***	Brooklyn Center	28,887	28,484	28,463	28,502	28,515	(21)	39	13	(372)	28,887
	Brooklyn Park	56,381	58,471	59,832	61,297	62,499	1,361	1,465	1,202	6,118	62,499
	Buffalo	7,302	7,722	7,994	9,114	9,324	272	1,120	210	2,022	9,324
	Burnsville	51,288	54,525	55,550	56,952	57,578	1,025	1,402	626	6,290	57,578
	Cambridge	5,102	5,222	5,325	5,356	5,337	103	31	(19)	235	5,337
	Champlin	16,849	19,030	19,154	19,838	20,307	124	684	469	3,458	20,307
	Chanhassen	11,736	14,316	15,231	16,199	16,917	915	968	718	5,181	16,917
	Chaska	11,339	13,721	14,000	14,370	14,817	279	370	447	3,478	14,817
***	Chisholm	5,290	5,220	5,170	5,167	5,141	(50)	(3)	(26)	(149)	5,290
	Cloquet	10,885	11,070	11,160	11,164	11,180	90	4	16	295	11,180
***	Columbia Heights	18,910	18,882	18,681	18,683	18,699	(201)	2	16	(211)	18,910
	Coon Rapids	52,978	58,991	59,981	60,703	61,260	990	722	557	8,282	61,260
	Corcoran	5,199	5,508	5,549	5,615	5,698	41	66	83	499	5,698
	Cottage Grove	22,935	26,675	27,726	29,031	30,094	1,051	1,305	1,063	7,159	30,094
	Crookston	8,119	8,163	8,135	8,152	8,116	(28)	17	(36)	(3)	8,119
***	Crystal	23,788	23,703	23,661	23,667	23,651	(42)	6	(16)	(137)	23,788
*****	Dayton				5,058	5,122		5,058	64	5,122	5,122
	Detroit Lakes	7,147	7,301	7,317	7,324	7,316	16	7	(8)	169	7,316

		1990	1994	1995	1996	1997	Difference	Difference	Difference	Difference	Tentative
		or Special	Population	Population	Population	Population	between	between	between	between	Population
	Municipality	Census	Estimate	Estimate	Estimate	Estimate	94 & 95	95 & 96	96 & 97	97 Estimate	to be used
							Estimate	Estimate	Estimate	& 90 Census	for 1999
											Allocation
***	Duluth	85,493	85,746	85,665	85,511	85,225	(81)	(154)	(286)	(268)	85,493
	Eagan	47,409	54,957	56,681	57,757	59,021	1,724	1,076	1,264	11,612	59,021
	East Bethel	8,050	8,702	8,995	9,172	9,723	293	177	551	1,673	9,723
	East Grand Forks	8,658	8,947	8,983	9,003	9,048	36	20	45	390	9,048
	Eden Prairie	39,311	44,189	46,310	47,840	49,287	2,121	1,530	1,447	9,976	49,287
	Edina	46,075	46,841	46,845	47,029	47,113	4	184	84	1,038	47,113
	Elk River	11,143	12,811	13,286	14,019	14,667	475	733	648	3,524	14,667
	Fairmont	11,265	11,350	11,340	11,337	11,339	(10)	(3)	2	74	11,339
	Falcon Heights	5,380	5,297	5,355	5,384	5,389	58	29	5	9	5,389
	Faribault	17,090	18,492	18,727	18,838	19,016	235	111	178	1,926	19,016
	Farmington	5,940	6,870	7,708	8,770	9,763	838	1,062	993	3,823	9,763
	Fergus Falls	12,701	12,596	12,876	13,079	13,217	280	203	138	516	13,217
	Forest Lake	6,008	6,397	6,538	6,641	6,691	141	103	50	683	6,691
	Fridley	28,335	28,104	28,204	28,267	28,419	100	63	152	84	28,419
**	Glencoe	5,196		5,196	5,196	5,247	5,196	0	51	51	5,247
	Golden Valley	20,971	20,947	20,911	20,870	20,986	(36)	(41)	116	15	20,986
	Grand Rapids	7,976	8,163	8,159	8,366	8,434	(4)	207	68	458	8,434
	Ham Lake	8,924	9,825	10,243	11,030	11,567	418	787	537	2,643	11,567
	Hastings	15,478	16,200	16,392	16,920	17,268	192	528	348	1,790	17,268
	Hermantown	6,761	7,237	7,093	7,133	7,182	(144)	40	49	421	7,182
***	Hibbing	18,046	17,964	17,857	17,824	17,783	(107)	(33)	(41)	(263)	18,046
	Hopkins	16,529	16,536	16,573	16,665	16,559	37	92	(106)	30	16,559
**	Hugo	5,223	5,208	5,324	5,625	5,820	116	301	195	597	5,820
	Hutchinson	11,492	12,174	12,505	12,587	12,743	331	82	156	1,251	12,743
***	International Falls	8,301	7,811	7,828	7,810	7,751	17	(18)	(59)	(550)	8,301
	Inver Grove Heights	22,477	25,243	26,012	26,981	27,917	769	969	936	5,440	27,917
	Lake Elmo	5,874	6,072	6,148	6,192	6,328	76	44	136	454	6,328
*	Lakeville	33,274	32,978	34,292	36,002	37,303	1,314	1,710	1,301	4,029	37,303
	Lino Lakes	8,807	12,266	13,097	13,756	14,560	831	659	804	5,753	14,560
	Litchfield	6,090	6,138	6,133	6,138	6,278	(5)	5	140	188	6,278
	Little Canada	8,971	9,225	9,337	9,469	9,564	112	132	95	593	9,564
	Little Falls	7,371	7,595	7,595	7,647	7,653	0	52	6	282	7,653
	Mahtomedi	5,633	6,353	6,543	6,865	7,097	190	322	232	1,464	7,097
	Mankato	31,412	31,913	31,977	32,000	31,850	64	23	(150)	438	31,850
	Maple Grove	38,736	43,542	44,313	44,996	46,181	771	683	1,185	7,445	46,181



	1990 or Special Census	1994 Population Estimate	1995 Population Estimate	1996 Population Estimate	1997 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 & 96 Estimate	Difference between 96 & 97 Estimate	Difference between 97 Estimate & 90 Census	Tentative Population to be used for 1999 Allocation
Maplewood	30,954	32,903	33,533	34,008	34,771	630	475	763	3,817	34,771
Marshall	12,023	12,397	12,331	12,348	12,542	(66)	17	194	519	12,542
Mendota Heights	9,388	10,636	10,757	10,856	10,991	121	99	135	1,603	10,991
*** Minneapolis	368,383	366,480	365,889	364,382	362,090	(591)	(1,507)	(2,292)	(6,293)	368,383
Minnetonka	48,370	50,569	50,927	51,607	52,176	358	680	569	3,806	52,176
Montevideo	5,499	5,519	5,505	5,524	5,516	(14)	19	(8)	17	5,516
Monticello	5,045	5,527	5,885	6,334	6,749	358	449	415	1,704	6,749
Moorhead	32,295	33,618	33,675	33,800	33,812	57	125	12	1,517	33,812
Morris	5,613	5,647	5,627	5,663	5,739	(20)	36	76	126	5,739
Mound	9,634	9,592	9,584	9,695	9,742	(8)	111	47	108	9,742
Mounds View	12,541	12,552	12,561	12,789	12,854	9	228	65	313	12,854
New Brighton	22,207	22,328	22,538	22,584	22,768	210	46	184	561	22,768
*** New Hope	21,853	21,651	21,646	21,698	21,658	(5)	52	(40)	(195)	21,853
New Ulm	13,132	13,477	13,628	13,881	14,001	151	253	120	869	14,001
**** North Branch	5,140	5,140	5,354	5,726	6,079	214	372	353	939	6,079
North Mankato	10,677	11,183	11,340	11,566	11,683	157	226	117	1,006	11,683
North St. Paul	12,376	12,809	12,813	12,764	12,780	4	(49)	16	404	12,780
Northfield	14,684	15,352	15,667	15,859	16,051	315	192	192	1,367	16,051
**** Oak Grove	5,488	5,997	6,097	6,254	6,436	100	157	182	948	6,436
Oakdale	18,403	22,933	23,835	24,862	25,419	902	1,027	557	7,016	25,419
Orono	7,285	7,444	7,476	7,577	7,671	32	101	94	386	7,671
Otsego	5,380	6,017	6,283	6,391	6,448	266	108	57	1,068	6,448
Owatonna	19,386	20,280	20,433	20,577	20,920	153	144	343	1,534	20,920
Plymouth	50,889	57,391	58,960	60,344	61,620	1,569	1,384	1,276	10,731	61,620
Prior Lake	11,485	12,559	13,129	13,522	14,319	570	393	797	2,834	14,319
Ramsey	12,408	14,907	15,805	16,431	17,372	898	626	941	4,964	17,372
Red Wing	15,134	15,645	15,701	15,770	15,792	56	69	22	658	15,792
**** Redwood Falls	5,062		5,134	5,164	5,197	5,134	30	33	135	5,197
*** Richfield	35,710	35,261	35,237	34,672	34,470	(24)	(565)	(202)	(1,240)	35,710
*** Robbinsdale	14,396	14,255	14,206	14,196	14,179	(49)	(10)	(17)	(217)	14,396
Rochester	70,998	76,865	76,559	77,219	78,283	(306)	660	1,064	7,285	78,283
Rosemount	8,622	11,086	11,721	12,272	12,772	635	551	500	4,150	12,772
Roseville	33,485	33,674	33,942	34,014	34,194	268	72	180	709	34,194
St. Anthony	7,727	7,939	8,362	8,400	8,425	423	38	25	698	8,425
St. Cloud	56,922	58,253	58,566	58,646	59,202	313	80	556	2,280	59,202

		1990	1994	1995	1996	1997	Difference	Difference	Difference	Difference	Tentative
	Municipality	or Special	Population	Population	Population	Population	between	between	between	between	Population
		Census	Estimate	Estimate	Estimate	Estimate	94 & 95	95 & 96	96 & 97	97 Estimate & 90 Census	to be used for 1999 Allocation
****	St. Louis Park	43,787	43,641	43,568	43,967	43,967	(73)	399	0	180	43,967
****	St. Michael	5,867		6,559	6,875	7,262	6,559	316	387	1,395	7,262
***	St. Paul	272,235	271,660	271,120	270,441	269,636	(540)	(679)	(805)	(2,599)	272,235
*****	St. Paul Park				5,024	5,024		5,024	0	5,024	5,024
	St. Peter	9,481	9,782	9,833	9,789	9,788	51	(44)	(1)	307	9,788
	Sartell	5,681	6,455	7,063	7,540	8,102	608	477	562	2,421	8,102
	Sauk Rapids	7,823	8,946	9,216	9,318	9,458	270	102	140	1,635	9,458
	Savage	9,906	13,703	14,444	15,152	16,002	741	708	850	6,096	16,002
	Shakopee	11,739	13,041	13,752	14,292	15,311	711	540	1,019	3,572	15,311
	Shoreview	24,587	25,957	26,049	26,118	26,378	92	69	260	1,791	26,378
	Shorewood	5,913	6,613	6,794	6,889	6,955	181	95	66	1,042	6,955
	South St. Paul	20,197	20,396	20,255	20,211	20,284	(141)	(44)	73	87	20,284
	Spring Lake Park	6,532	6,628	6,717	6,742	7,061	89	25	319	529	7,061
*****	Stewartville				5,032	5,111		5,032	79	5,111	5,111
	Stillwater	13,972	15,350	15,739	15,906	16,069	389	167	163	2,097	16,069
	Thief River Falls	8,010	8,043	8,053	8,285	8,333	10	232	48	323	8,333
	Vadnais Heights	11,041	11,968	12,342	12,895	13,069	374	553	174	2,028	13,069
***	Virginia	9,431	9,232	9,173	9,169	9,126	(59)	(4)	(43)	(305)	9,431
	Waite Park	5,460	5,903	5,922	5,970	6,087	19	48	117	627	6,087
	Waseca	8,385	8,184	8,263	8,434	8,740	79	171	306	355	8,740
	West St. Paul	19,248	19,332	19,421	19,450	19,496	89	29	46	248	19,496
	White Bear Lake	24,622	25,804	25,849	26,017	26,152	45	168	135	1,530	26,152
	Willmar	17,535	18,544	18,688	18,658	18,831	144	(30)	173	1,296	18,831
	Winona	26,286	25,805	26,623	26,612	26,683	818	(11)	71	397	26,683
*	Woodbury	26,900	28,627	31,258	33,426	35,720	2,631	2,168	2,294	8,820	35,720
	Worthington	9,977	10,200	10,260	10,411	10,461	60	151	50	484	10,461
	<b>TOTAL</b>	<b>2,866,180</b>	<b>2,969,988</b>	<b>3,021,628</b>	<b>3,072,413</b>	<b>3,111,406</b>	<b>51,640</b>	<b>50,785</b>	<b>38,993</b>	<b>240,205</b>	<b>3,124,511</b>

\* Took special census after the 1990 census.

\*\* Took special census after the 1990 census and became a city over 5,000.

\*\*\* Used the 1990 census plus population adjustments for annexations or detachments (if any) for allocation.

\*\*\*\* Incorporated or consolidated after the 1990 census.

\*\*\*\*\* Used estimate in becoming a city over 5,000 population.

## TENTATIVE POPULATION APPORTIONMENT

The 1990 Census and the 1997 Estimate includes population increases or decreases due to annexations or detachments.

<b>Municipality</b>	<b>Population Used for 1998 Allocation</b>	<b>Tentative Population to be used for 1999 Allocation</b>	<b>1998 Appt Using 1990 Census or 96 Estimate</b>	<b>Tentative 1999 Appt. Using 1990 Census or 97 Estimate</b>	<b>Difference Between 97 &amp; 98 Apport.</b>	<b>% Increase (Decrease)</b>
Albert Lea	18,312	18,312	\$278,770	<b>\$274,952</b>	(\$3,818)	-1.3696
Alexandria	8,348	8,405	127,084	<b>126,200</b>	(884)	-0.6956
Andover	21,495	22,369	327,226	<b>335,868</b>	8,642	2.6410
Anoka	17,693	17,831	269,347	<b>267,730</b>	(1,617)	-0.6003
Apple Valley	41,578	42,617	632,956	<b>639,889</b>	6,933	1.0953
Arden Hills	9,678	9,692	147,331	<b>145,524</b>	(1,807)	-1.2265
Austin	22,082	22,016	336,162	<b>330,567</b>	(5,595)	-1.6644
Baxter		5,021	0	<b>75,390</b>	75,390	100.0000
Bemidji	11,509	11,682	175,205	<b>175,404</b>	199	0.1136
Blaine	43,029	43,847	655,045	<b>658,357</b>	3,312	0.5056
Bloomington	87,292	87,370	1,328,876	<b>1,311,849</b>	(17,027)	-1.2813
Brainerd	12,591	13,160	191,677	<b>197,596</b>	5,919	3.0880
Brooklyn Center	28,887	28,887	439,757	<b>433,735</b>	(6,022)	-1.3694
Brooklyn Park	61,297	62,499	933,145	<b>938,414</b>	5,269	0.5646
Buffalo	9,114	9,324	138,746	<b>139,999</b>	1,253	0.9031
Burnsville	56,952	57,578	867,000	<b>864,526</b>	(2,474)	-0.2854
Cambridge	5,356	5,337	81,536	<b>80,134</b>	(1,402)	-1.7195
Champlin	19,838	20,307	302,001	<b>304,907</b>	2,906	0.9622
Chanhassen	16,199	16,917	246,603	<b>254,007</b>	7,404	3.0024
Chaska	14,370	14,817	218,759	<b>222,475</b>	3,716	1.6987
Chisholm	5,290	5,290	80,531	<b>79,429</b>	(1,102)	-1.3684
Cloquet	11,164	11,180	169,953	<b>167,866</b>	(2,087)	-1.2280
Columbia Heights	18,910	18,910	287,873	<b>283,931</b>	(3,942)	-1.3694
Coon Rapids	60,703	61,260	924,102	<b>919,811</b>	(4,291)	-0.4643
Corcoran	5,615	5,698	85,479	<b>85,555</b>	76	0.0889
Cottage Grove	29,031	30,094	441,949	<b>451,858</b>	9,909	2.2421
Crookston	8,152	8,119	124,101	<b>121,906</b>	(2,195)	-1.7687
Crystal	23,788	23,788	362,133	<b>357,174</b>	(4,959)	-1.3694
Dayton	5,058	5,122	77,000	<b>76,906</b>	(94)	-0.1221
Detroit Lakes	7,324	7,316	111,496	<b>109,849</b>	(1,647)	-1.4772

<b>Municipality</b>	<b>Population Used for 1998 Allocation</b>	<b>Tentative Population to be used for 1999 Allocation</b>	<b>1998 Appt Using 1990 Census or 96 Estimate</b>	<b>Tentative 1999 Appt. Using 1990 Census or 97 Estimate</b>	<b>Difference Between 97 &amp; 98 Apport.</b>	<b>% Increase (Decrease)</b>
Duluth	85,511	85,493	\$1,301,763	\$1,283,666	(\$18,097)	-1.3902
Eagan	57,757	59,021	879,254	886,193	6,939	0.7892
East Bethel	9,172	9,723	139,628	145,990	6,362	4.5564
East Grand Forks	9,003	9,048	137,056	135,855	(1,201)	-0.8763
Eden Prairie	47,840	49,287	728,285	740,038	11,753	1.6138
Edina	47,029	47,113	715,938	707,396	(8,542)	-1.1931
Elk River	14,019	14,667	213,416	220,223	6,807	3.1895
Fairmont	11,337	11,339	172,587	170,254	(2,333)	-1.3518
Falcon Heights	5,384	5,389	81,962	80,915	(1,047)	-1.2774
Faribault	18,838	19,016	286,777	285,523	(1,254)	-0.4373
Farmington	8,770	9,763	133,509	146,590	13,081	9.7978
Fergus Falls	13,079	13,217	199,106	198,452	(654)	-0.3285
Forest Lake	6,641	6,691	101,098	100,465	(633)	-0.6261
Fridley	28,335	28,419	431,353	426,708	(4,645)	-1.0768
Glencoe	5,196	5,247	79,100	78,783	(317)	-0.4008
Golden Valley	20,971	20,986	319,249	315,102	(4,147)	-1.2990
Grand Rapids	8,366	8,434	127,358	126,635	(723)	-0.5677
Ham Lake	11,030	11,567	167,913	173,677	5,764	3.4327
Hastings	16,920	17,268	257,579	259,277	1,698	0.6592
Hermantown	7,133	7,182	108,588	107,837	(751)	-0.6916
Hibbing	18,046	18,046	274,720	270,958	(3,762)	-1.3694
Hopkins	16,665	16,559	253,697	248,631	(5,066)	-1.9969
Hugo	5,625	5,820	85,631	87,387	1,756	2.0507
Hutchinson	12,587	12,743	191,616	191,334	(282)	-0.1472
International Falls	8,301	8,301	126,369	124,638	(1,731)	-1.3698
Inver Grove Heights	26,981	27,917	410,741	419,170	8,429	2.0521
Lake Elmo	6,192	6,328	94,263	95,014	751	0.7967
Lakeville	36,002	37,303	548,071	560,100	12,029	2.1948
Lino Lakes	13,756	14,560	209,412	218,617	9,205	4.3956
Litchfield	6,138	6,278	93,441	94,263	822	0.8797
Little Canada	9,469	9,564	144,150	143,602	(548)	-0.3802
Little Falls	7,647	7,653	116,413	114,909	(1,504)	-1.2920
Mahtomedi	6,865	7,097	104,508	106,561	2,053	1.9644
Mankato	32,000	31,850	487,147	478,224	(8,923)	-1.8317
Maple Grove	44,996	46,181	684,989	693,402	8,413	1.2282

<b>Municipality</b>	<b>Population Used for 1998 Allocation</b>	<b>Tentative Population to be used for 1999 Allocation</b>	<b>1998 Appt Using 1990 Census or 96 Estimate</b>	<b>Tentative 1999 Appt. Using 1990 Census or 97 Estimate</b>	<b>Difference Between 97 &amp; 98 Apport.</b>	<b>% Increase (Decrease)</b>
Maplewood	34,008	34,771	\$517,715	<b>\$522,082</b>	\$4,367	0.8435
Marshall	12,348	12,542	187,978	<b>188,317</b>	339	0.1803
Mendota Heights	10,856	10,991	165,265	<b>165,028</b>	(237)	-0.1434
Minneapolis	368,383	368,383	5,608,019	<b>5,531,223</b>	(76,796)	-1.3694
Minnetonka	51,607	52,176	785,631	<b>783,416</b>	(2,215)	-0.2819
Montevideo	5,524	5,516	84,094	<b>82,822</b>	(1,272)	-1.5126
Monticello	6,334	6,749	96,425	<b>101,335</b>	4,910	5.0920
Moorhead	33,800	33,812	514,549	<b>507,683</b>	(6,866)	-1.3344
Morris	5,663	5,739	86,210	<b>86,170</b>	(40)	-0.0464
Mound	9,695	9,742	147,590	<b>146,275</b>	(1,315)	-0.8910
Mounds View	12,789	12,854	194,691	<b>193,001</b>	(1,690)	-0.8680
New Brighton	22,584	22,768	343,804	<b>341,859</b>	(1,945)	-0.5657
New Hope	21,853	21,853	332,676	<b>328,120</b>	(4,556)	-1.3695
New Ulm	13,881	14,001	211,315	<b>210,223</b>	(1,092)	-0.5168
North Branch	5,726	6,079	87,169	<b>91,275</b>	4,106	4.7104
North Mankato	11,566	11,683	176,073	<b>175,419</b>	(654)	-0.3714
North St. Paul	12,764	12,780	194,311	<b>191,890</b>	(2,421)	-1.2459
Northfield	15,859	16,051	241,427	<b>241,004</b>	(423)	-0.1752
Oak Grove	6,254	6,436	95,207	<b>96,636</b>	1,429	1.5009
Oakdale	24,862	25,419	378,483	<b>381,663</b>	3,180	0.8402
Orono	7,577	7,671	115,347	<b>115,179</b>	(168)	-0.1456
Otsego	6,391	6,448	97,292	<b>96,816</b>	(476)	-0.4892
Owatonna	20,577	20,920	313,251	<b>314,111</b>	860	0.2745
Plymouth	60,344	61,620	918,637	<b>925,216</b>	6,579	0.7162
Prior Lake	13,522	14,319	205,850	<b>214,998</b>	9,148	4.4440
Ramsey	16,431	17,372	250,135	<b>260,838</b>	10,703	4.2789
Red Wing	15,770	15,792	240,072	<b>237,115</b>	(2,957)	-1.2317
Redwood Falls	5,164	5,197	78,613	<b>78,032</b>	(581)	-0.7391
Richfield	35,710	35,710	543,625	<b>536,181</b>	(7,444)	-1.3693
Robbinsdale	14,396	14,396	219,155	<b>216,154</b>	(3,001)	-1.3694
Rochester	77,219	78,283	1,175,531	<b>1,175,409</b>	(122)	-0.0104
Rosemount	12,272	12,772	186,821	<b>191,770</b>	4,949	2.6491
Roseville	34,014	34,194	517,807	<b>513,418</b>	(4,389)	-0.8476
St. Anthony	8,400	8,425	127,876	<b>126,500</b>	(1,376)	-1.0760
St. Cloud	58,646	59,202	892,788	<b>888,910</b>	(3,878)	-0.4344

<b>Municipality</b>	<b>Population Used for 1998 Allocation</b>	<b>Tentative Population to be used for 1999 Allocation</b>	<b>1998 Appt Using 1990 Census or 96 Estimate</b>	<b>Tentative 1999 Appt. Using 1990 Census or 97 Estimate</b>	<b>Difference Between 97 &amp; 98 Apport.</b>	<b>% Increase (Decrease)</b>
St. Louis Park	43,967	43,967	\$669,325	<b>\$660,159</b>	(\$9,166)	-1.3694
St. Michael	6,875	7,262	104,660	<b>109,038</b>	4,378	4.1831
St. Paul	272,235	272,235	4,144,326	<b>4,087,573</b>	(56,753)	-1.3694
St. Paul Park	5,024	5,024	76,482	<b>75,435</b>	(1,047)	-1.3689
St. Peter	9,789	9,788	149,021	<b>146,966</b>	(2,055)	-1.3790
Sartell	7,540	8,102	114,784	<b>121,650</b>	6,866	5.9817
Sauk Rapids	9,318	9,458	141,851	<b>142,011</b>	160	0.1128
Savage	15,152	16,002	230,664	<b>240,268</b>	9,604	4.1636
Shakopee	14,292	15,311	217,572	<b>229,893</b>	12,321	5.6630
Shoreview	26,118	26,378	397,603	<b>396,062</b>	(1,541)	-0.3876
Shorewood	6,889	6,955	104,874	<b>104,428</b>	(446)	-0.4253
South St. Paul	20,211	20,284	307,679	<b>304,562</b>	(3,117)	-1.0131
Spring Lake Park	6,742	7,061	102,636	<b>106,020</b>	3,384	3.2971
Stewartville	5,032	5,111	76,604	<b>76,741</b>	137	0.1788
Stillwater	15,906	16,069	242,142	<b>241,274</b>	(868)	-0.3585
Thief River Falls	8,285	8,333	126,125	<b>125,119</b>	(1,006)	-0.7976
Vadnais Heights	12,895	13,069	196,305	<b>196,229</b>	(76)	-0.0387
Virginia	9,431	9,431	143,571	<b>141,605</b>	(1,966)	-1.3694
Waite Park	5,970	6,087	90,883	<b>91,396</b>	513	0.5645
Waseca	8,434	8,740	128,394	<b>131,230</b>	2,836	2.2088
West St. Paul	19,450	19,496	296,094	<b>292,730</b>	(3,364)	-1.1361
White Bear Lake	26,017	26,152	396,066	<b>392,669</b>	(3,397)	-0.8577
Willmar	18,658	18,831	284,037	<b>282,745</b>	(1,292)	-0.4549
Winona	26,612	26,683	405,123	<b>400,641</b>	(4,482)	-1.1063
Woodbury	33,426	35,720	508,855	<b>536,330</b>	27,475	5.3994
Worthington	10,411	10,461	158,491	<b>157,070</b>	(1,421)	-0.8966
<b>TOTAL</b>	<b>3,081,724</b>	<b>3,124,511</b>	<b>\$46,914,129</b>	<b>\$46,914,129</b>	<b>\$0</b>	<b>0.0000</b>

Population apportionment equals total population apportionment divided by the total population times the city's population.

1999      \$46,914,129      Equals      15.01487081 Per person  
                 3,124,511

1998      \$46,914,129      Equals      15.22333895 Per person  
                 3,081,724

The population difference between 1998 and 1999 for allocation purposes is 42,787.



## **1998 Needs Study Update**

**The following tabulation reflects the total difference between the 1997 and the 1998 25-year construction (money) needs study. This update was accomplished in three individual steps to measure the effect each type of revision has to the total needs.**

- 1. Accomplishments and system revisions -- Reflects need changes due to construction, the addition of 20 year reinstatement and the addition of needs for new street designations or a reduction for revocations.**
- 2. 1998 Traffic Count Update -- is the result of the 1997 traffic counts updated in 1998.**
- 3. 1998 Unit Cost Revisions -- measures the effect on the needs between last years unit prices to the unit prices approved by the Screening Board at the 1998 Spring Meeting.**

**The resulting 1998 25-year Construction Needs as adjusted in the "Tentative Determination of Construction (Money) Needs Apportionment" will be used in computing the 1999 Construction (money) needs apportionment.**

# 1998 M.S.A.S. NEEDS STUDY UPDATE

Municipality	1997 Construction Needs	Accomplish. & System Revisions	Traffic Update	Unit Price Update	1998 Construction Needs	Net Change	% Change 1997 to 1998
Albert Lea	\$11,316,464	(\$103,336)	\$7,173	\$968,975	\$12,189,276	\$872,812	7.7128
Alexandria	7,461,854	(180,932)	0	741,304	8,022,226	560,372	7.5098
Andover	14,871,400	199,678	(3,819)	1,665,281	16,732,540	1,861,140	12.5149
Anoka	5,961,525	(604,742)	(14,723)	551,427	5,893,487	(68,038)	-1.1413
Apple Valley	16,139,990	0	310,530	1,622,286	18,072,806	1,932,816	11.9753
Arden Hills	3,933,236	327,568	83,839	426,092	4,770,735	837,499	21.2929
Austin	19,552,367	682,401	(185,531)	3,142,482	23,191,719	3,639,352	18.6134
Baxter	0	0	0	0	4,182,218		
Bemidji	8,410,824	(695,174)	0	763,627	8,479,277	68,453	0.8139
Blaine	18,318,263	339,696	(68,350)	1,899,407	20,489,016	2,170,753	11.8502
Bloomington	59,900,600	(4,665,343)	(334,700)	5,955,446	60,856,003	955,403	1.5950
Brainerd	6,466,043	(77,257)	214,726	653,821	7,257,333	791,290	12.2376
Brooklyn Center	10,382,907	136,784	(92,164)	965,546	11,393,073	1,010,166	9.7291
Brooklyn Park	20,352,904	(77,761)	(64,699)	1,972,934	22,183,378	1,830,474	8.9937
Buffalo	5,967,373	896,032	0	1,869,227	8,732,632	2,765,259	46.3396
Burnsville	22,201,328	(233,365)	(327,962)	2,119,641	23,759,642	1,558,314	7.0190
Cambridge	4,241,718	166,615	0	428,426	4,836,759	595,041	14.0283
Champlin	6,846,825	105,114	109,570	789,083	7,850,592	1,003,767	14.6603
Chanhassen	11,246,747	(936,192)	(107,191)	978,245	11,181,609	(65,138)	-0.5792
Chaska	7,940,529	478,994	46,830	1,141,591	9,607,944	1,667,415	20.9988
Chisholm	4,070,211	55,916	0	373,358	4,499,485	429,274	10.5467
Cloquet	11,209,001	370,750	0	1,066,578	12,646,329	1,437,328	12.8230
Columbia Heights	8,053,349	0	5,891	618,809	8,678,049	624,700	7.7570
Coon Rapids	16,508,632	1,273,968	(178,022)	2,963,596	20,568,174	4,059,542	24.5904
Corcoran	5,445,393	112,141	(71,735)	311,275	5,797,074	351,681	6.4583
Cottage Grove	17,016,961	118,539	(194,157)	1,967,967	18,909,310	1,892,349	11.1204
Crookston	11,533,732	256,373	(1,376)	3,036,886	14,825,615	3,291,883	28.5413
Crystal	11,475,248	(905,985)	9,641	1,114,141	11,693,045	217,797	1.8980
Dayton	6,148,385	0	0	766,832	6,915,217	766,832	100.00
Detroit Lakes	3,756,277	2,155,217	0	530,117	6,441,611	2,685,334	71.4892

Municipality	1997 Construction Needs	Accomplish. & System Revisions	Traffic Update	Unit Price Update	1998 Construction Needs	Net Change	% Change 1997 to 1998
Duluth	\$65,334,280	(\$807,368)	\$0	\$8,185,985	\$72,712,897	\$7,378,617	11.2936
Eagan	19,743,080	(451,439)	341,735	1,968,786	21,602,162	1,859,082	9.4164
East Bethel	8,399,303	(105,312)	87,417	816,403	9,197,811	798,508	9.5068
East Grand Forks	5,077,063	1,059,475	40,249	544,182	6,720,969	1,643,906	32.3791
Eden Prairie	22,759,400	466,817	(91,240)	2,652,647	25,787,624	3,028,224	13.3054
Edina	21,393,842	(543,539)	(38,283)	1,940,673	22,752,693	1,358,851	6.3516
Elk River	14,001,075	1,578,638	0	1,791,599	17,371,312	3,370,237	24.0713
Fairmont	17,737,972	(577,853)	2,592	1,532,907	18,695,618	957,646	5.3988
Falcon Heights	810,211	48,788	(265)	108,621	967,355	157,144	19.3954
Faribault	14,375,250	566,726	71,596	1,420,401	16,433,973	2,058,723	14.3213
Farmington	9,375,547	1,604,618	704	883,298	11,864,167	2,488,620	26.5437
Fergus Falls	10,796,965	157,435	0	949,457	11,903,857	1,106,892	10.2519
Forest Lake	3,662,527	0	0	322,471	3,984,998	322,471	8.8046
Fridley	7,867,705	(79,501)	(12,082)	612,211	8,388,333	520,628	6.6173
Glencoe	5,110,523	0	0	794,553	5,905,076	794,553	15.5474
Golden Valley	12,995,384	0	(95,552)	1,381,064	14,280,896	1,285,512	9.8921
Grand Rapids	6,578,744	(44,779)	(171,191)	1,866,457	8,229,231	1,650,487	25.0882
Ham Lake	7,614,371	684,379	29,500	764,081	9,092,331	1,477,960	19.4101
Hastings	5,557,471	(54,656)	140,945	557,198	6,200,958	643,487	11.5788
Hermantown	5,004,001	0	0	404,143	5,408,144	404,143	8.0764
Hibbing	24,441,358	319,018	0	2,018,318	26,778,694	2,337,336	9.5630
Hopkins	7,542,173	(304,859)	101,431	688,490	8,027,235	485,062	6.4313
Hugo	7,930,000	123,681	0	552,511	8,606,192	676,192	8.5270
Hutchinson	8,808,303	238,044	0	799,835	9,846,182	1,037,879	11.7830
International Falls	4,833,137	6,448	0	475,302	5,314,887	481,750	9.9677
Inver Grove Heights	12,268,074	1,771,373	(11,396)	1,233,138	15,261,189	2,993,115	24.3976
Lake Elmo	2,796,805	1,233,290	(91,631)	323,541	4,262,005	1,465,200	52.3883
Lakeville	26,091,421	(413,314)	629,163	2,424,522	28,731,792	2,640,371	10.1197
Lino Lakes	12,522,865	(314,148)	34,654	1,197,510	13,440,881	918,016	7.3307
Litchfield	5,246,877	(468,916)	0	466,902	5,244,863	(2,014)	-0.0384
Little Canada	5,824,467	(368,231)	86,705	884,413	6,427,354	602,887	10.3509
Little Falls	8,256,661	139,236	129,790	886,354	9,412,041	1,155,380	13.9933
Mahtomedi	2,708,523	553,067	69,231	322,015	3,652,836	944,313	34.8645
Mankato	22,648,322	(2,720,289)	214,860	2,493,946	22,636,839	(11,483)	-0.0507
Maple Grove	25,167,368	(137,305)	(278,392)	2,934,001	27,685,672	2,518,304	10.0062

Municipality	1997 Construction Needs	Accomplish. & System Revisions	Traffic Update	Unit Price Update	1998 Construction Needs	Net Change	% Change 1997 to 1998
Maplewood	\$12,833,870	\$1,715,899	\$78,401	\$1,270,195	\$15,898,365	\$3,064,495	23.8782
Marshall	8,728,180	(549,229)	(106,228)	727,803	8,800,526	72,346	0.8289
Mendota Heights	5,962,649	0	138,689	535,171	6,636,509	673,860	11.3014
Minneapolis	196,523,966	(3,518,553)	1,086,967	17,077,784	211,170,164	14,646,198	7.4526
Minnetonka	23,502,603	(666,866)	121,545	2,202,744	25,160,026	1,657,423	7.0521
Montevideo	3,947,919	190,059	0	396,282	4,534,260	586,341	14.8519
Monticello	3,054,910	1,443,150	0	442,237	4,940,297	1,885,387	61.7166
Moorhead	20,121,230	1,467,229	(177,185)	3,571,842	24,983,116	4,861,886	24.1630
Morris	2,629,214	537,833	(21,313)	267,968	3,413,702	784,488	29.8374
Mound	3,813,787	0	(72,579)	374,520	4,115,728	301,941	7.9171
Mounds View	5,154,059	0	(14,352)	512,877	5,652,584	498,525	9.6725
New Brighton	7,010,592	153,897	25,275	587,864	7,777,628	767,036	10.9411
New Hope	9,086,753	740,663	108,998	1,348,887	11,285,301	2,198,548	24.1951
New Ulm	8,969,332	(181,039)	26,654	1,446,579	10,261,526	1,292,194	14.4068
North Branch	10,037,253	(899,242)	83,138	620,251	9,841,400	(195,853)	-1.9513
North Mankato	7,607,074	791,791	0	774,064	9,172,929	1,565,855	20.5842
North St. Paul	5,254,236	(103,864)	(7,594)	422,496	5,565,274	311,038	5.9198
Northfield	8,130,021	(154,528)	19,144	887,779	8,882,416	752,395	9.2545
Oak Grove	7,216,449	(430,017)	35,759	509,315	7,331,506	115,057	1.5944
Oakdale	8,158,561	251,133	21,542	807,303	9,238,539	1,079,978	13.2374
Orono	9,222,670	0	33,680	869,625	10,125,975	903,305	9.7944
Otsego	8,636,476	(66,870)	0	811,558	9,381,164	744,688	8.6226
Owatonna	10,982,957	0	0	1,752,204	12,735,161	1,752,204	15.9538
Plymouth	25,890,842	125,065	316,305	2,672,883	29,005,095	3,114,253	12.0284
Prior Lake	8,710,986	(617,324)	13,173	848,884	8,955,719	244,733	2.8095
Ramsey	13,171,941	0	5,334	1,339,539	14,516,814	1,344,873	10.2101
Red Wing	15,021,130	(979,352)	0	2,086,949	16,128,727	1,107,597	7.3736
Redwood Falls	5,040,341	67,386	0	541,858	5,649,585	609,244	12.0874
Richfield	14,877,505	33,303	(41,008)	1,325,445	16,195,245	1,317,740	8.8573
Robbinsdale	5,325,450	(460,986)	(33,217)	399,665	5,230,912	(94,538)	-1.7752

Municipality	1997 Construction Needs	Accomplish. & System Revisions	Traffic Update	Unit Price Update	1998 Construction Needs	Net Change	% Change 1997 to 1998
Rochester	\$38,942,461	\$387,635	\$0	\$4,069,328	\$43,399,424	\$4,456,963	11.4450
Rosemount	13,187,178	119,711	(87,144)	1,166,885	14,386,630	1,199,452	9.0956
Roseville	12,289,586	791,321	(32,510)	1,210,271	14,258,668	1,969,082	16.0224
St. Anthony	3,922,712	0	33,516	419,756	4,375,984	453,272	11.5551
St. Cloud	30,063,163	(486,422)	0	3,138,534	32,715,275	2,652,112	8.8218
St. Louis Park	17,442,199	218,181	20,162	5,697,089	23,377,631	5,935,432	34.0292
St. Michael	8,196,412	(431,140)	0	635,039	8,400,311	203,899	2.4877
St. Paul	138,997,802	8,471,686	159,015	20,278,628	167,907,131	28,909,329	20.7984
St. Paul Park	3,693,105	0	0	375,640	4,068,745	375,640	100.00
St. Peter	7,685,200	481,604	0	781,931	8,948,735	1,263,535	16.4411
Sartell	3,482,196	890,465	0	422,528	4,795,189	1,312,993	37.7059
Sauk Rapids	5,035,255	(132,211)	0	442,173	5,345,217	309,962	6.1558
Savage	12,246,826	(558,953)	52,856	1,461,147	13,201,876	955,050	7.7983
Shakopee	9,532,031	(221,543)	140,784	778,515	10,229,787	697,756	7.3201
Shoreview	5,947,396	582,167	23,593	644,120	7,197,276	1,249,880	21.0156
Shorewood	5,236,599	66,870	(43,767)	484,788	5,744,490	507,891	9.6989
South St. Paul	8,157,419	200,944	55,534	773,413	9,187,310	1,029,891	12.6252
Spring Lake Park	1,512,265	37,572	0	170,903	1,720,740	208,475	13.7856
Stewartville	2,453,843	0	0	238,540	2,692,383	238,540	100.00
Stillwater	5,961,443	1,047,275	34,363	634,259	7,677,340	1,715,897	28.7833
Thief River Falls	11,829,166	86,791	0	773,552	12,689,509	860,343	7.2731
Vadnais Heights	1,830,048	881,214	8,842	271,478	2,991,582	1,161,534	63.4701
Virginia	6,760,531	(336,628)	0	534,614	6,958,517	197,986	2.9286
Waite Park	4,035,486	787,053	0	843,023	5,665,562	1,630,076	40.3935
Waseca	3,128,716	873,968	0	390,805	4,393,489	1,264,773	40.4247
West St. Paul	5,861,687	(403,304)	(205,539)	491,342	5,744,186	(117,501)	-2.0046
White Bear Lake	10,272,986	(1,184,220)	(112,097)	894,177	9,870,846	(402,140)	-3.9145
Willmar	11,440,523	0	0	1,027,751	12,468,274	1,027,751	8.9834
Winona	11,652,169	252,039	0	1,207,236	13,111,444	1,459,275	12.5236
Woodbury	26,123,256	103,353	(49,258)	2,570,345	28,747,696	2,624,440	10.0464
Worthington	5,857,307	57,324	0	1,933,511	7,848,142	1,990,835	33.9889
STATE TOTAL	\$1,705,411,076	\$13,827,513	\$1,973,789	\$190,796,228	\$1,916,190,824	\$210,779,748	12.3595

## **1998 Itemized Tabulation of Needs**

**The 1998 money needs reflects an decrease due to the changes to the rural and urban quantity tables. See the Screening Board Resolutions for the unit prices used in the 1998 needs computation.**

**The 1998 itemized tabulation of needs on the following page shows all the construction items except the "after the fact needs" used in the Municipal State Aid Needs Study. The tabulation is provided to give each municipality the opportunity to compare its needs of the individual construction items to that of other cities. The cost per mile shown on this report does not include bridges and 18% of the engineering cost applied to the bridges because large bridges in some cities distort the average. The average is a more comparable cost for roadway construction cost per mile without bridges.**

**The overall average cost per mile is \$605,144. Spring Lake Park has the lowest cost per mile with \$327,760 while Farmington has the highest cost with \$974,245 per mile.**

**Seven cities which exceed \$850,000 per mile are listed alphabetically as follows: Buffalo, Fairmont, Farmington, Glencoe, Hopkins, Minneapolis and Waite Park.**



1998 ITEM BY ITEM TABULATION OF NEEDS

MUNICIPALITY	GRADING	COMPLETE STORM SEWER	STORM SEWER ADJUSTMENT	BASE	SURFACE	SHOULDER	CURB AND GUTTER	SIDEWALK	SIGNALS	LIGHTING	RETAINING WALLS	BRIDGES	RAILROAD CROSSINGS	ENGINEERING	MAINTENANCE	NEEDS	MILEAGE	COST PER MILE	MUNICIPALITY	
ALBERT LEA	\$1,628,510	\$271,950	\$716,680	\$2,247,943	\$1,041,116	\$9,100	\$775,511	\$958,220	\$658,080	\$374,800	\$39,000	\$84,813	\$1,418,300	\$1,840,325	\$124,928	\$12,189,276	18.74	\$645,916	ALBERT LEA	
ALEXANDRIA	860,311	686,000	300,960	1,559,902	779,338	8,750	649,844	959,400	630,720	282,400				1,209,173	95,428	8,022,226	14.12	568,146	ALEXANDRIA	
ANDOVER	1,238,726	3,554,950		1,547,540	1,484,977	89,630	1,147,572	3,339,080	867,600	676,000			130,750	2,533,834	121,881	16,732,540	33.80	495,046	ANDOVER	
ANOKA	612,592	1,188,250	16,720	652,671	620,722		559,003	680,320	363,840	239,600				888,069	71,700	5,893,487	11.98	491,944	ANOKA	
APPLE VALLEY	1,554,261	2,092,300	489,440	3,158,716	2,037,477		1,123,039	2,101,440	1,892,880	634,800	47,000			2,723,645	217,808	18,072,806	31.74	569,402	APPLE VALLEY	
ARDEN HILLS	374,105	987,350	54,720	733,324	339,927		346,750	498,100	251,760	148,200	89,420		188,350	722,164	36,565	4,770,735	7.41	643,824	ARDEN HILLS	
AUSTIN	3,139,120	1,575,350	475,000	2,603,957	1,466,582		1,108,790	1,564,700	1,050,960	552,800		5,128,820	820,250	3,507,546	197,844	23,191,719	27.64	653,506	AUSTIN	
BEMIDJI	781,668	808,500	252,320	1,218,841	812,367		530,797	747,880	624,240	288,000	10,000	588,120	438,250	100,115	8,479,277	14.40	547,997	BEMIDJI		
BLAINE	1,400,098	4,505,550	145,920	2,694,920	1,938,310	1,970	1,522,198	2,877,640	1,465,440	688,200				3,103,246	145,524	20,489,016	34.41	595,438	BLAINE	
BLOOMINGTON	6,338,995	8,702,400	1,450,080	9,711,799	6,307,902		4,507,351	5,740,500	4,675,920	1,507,200	21,000	409,920	1,656,350	9,185,300	641,286	60,856,003	75.36	802,098	BLOOMINGTON	
BRAINERD	939,032	176,400	488,680	1,340,524	932,430		617,868	749,060	540,000	285,000				1,092,422	95,917	7,257,333	14.25	509,287	BRAINERD	
BROOKLYN CENTER	1,069,979	1,102,500	766,200	2,028,944	1,392,515		820,605	732,280	1,121,040	433,000	60,867			1,713,228	161,915	11,393,073	21.65	526,239	BROOKLYN CENTER	
BROOKLYN PARK	1,565,632	3,826,900	570,760	3,297,088	2,568,657		1,401,483	1,962,540	2,520,000	874,800				3,345,818	249,700	22,183,378	46.68	475,222	BROOKLYN PARK	
BUFFALO	854,287	698,250	167,960	1,321,485	545,085		598,276	702,600	275,040	189,200	50,000		1,956,150	1,324,499	49,800	8,732,632	9.46	923,111	BUFFALO	
BURNSVILLE	2,766,070	1,310,750	897,560	4,616,571	2,826,317		1,664,684	2,342,940	2,516,640	874,000				3,568,811	377,199	23,759,642	43.70	543,699	BURNSVILLE	
CAMBRIDGE	447,701	869,750	67,640	572,196	373,588	2,590	345,560	466,560	177,600	144,600		599,760		732,178	36,946	4,836,758	9.21	460,043	CAMBRIDGE	
CHAMPLIN	381,123	1,176,000	34,960	667,820	939,225		517,954	1,609,660	701,760	340,200	207,300			1,183,684	90,906	7,850,592	17.01	461,528	CHAMPLIN	
CHANHASSEN	776,307	1,643,950	174,040	1,885,919	1,317,350		919,457	868,700	735,120	423,800	180,000			1,688,979	109,415	11,181,609	21.19	491,885	CHANHASSEN	
CHASKA	925,257	1,509,200	122,360	1,679,395	751,627	11,320	607,714	1,093,440	534,240	297,400	88,000	25,200	424,650	1,452,564	85,577	9,607,944	14.87	644,435	CHASKA	
CHISHOLM	745,494	553,700	129,960	730,146	351,793		310,480	465,740	192,720	154,400	37,500	105,000		679,852	42,700	4,499,485	7.99	549,998	CHISHOLM	
CLOQUET	1,509,528	2,427,950	42,560	1,847,063	975,023	9,820	838,532	1,148,800	596,640	402,400	37,000		786,650	1,911,954	112,409	12,646,329	20.12	628,545	CLOQUET	
COLUMBIA HEIGHTS	1,138,225	867,300	327,560	2,027,882	840,590		695,698	116,380	463,680	250,600	350,000		202,875	1,310,575	86,504	8,678,049	12.53	692,382	COLUMBIA HEIGHTS	
COON RAPIDS	1,633,003	556,150	391,400	2,595,455	2,413,842	790	1,623,581	2,374,320	1,901,040	819,400		2,863,624		3,091,068	304,501	20,568,174	40.97	432,134	COON RAPIDS	
CORCORAN	1,664,776	262,150		1,516,241	449,458	80,540	84,750	125,540	353,280	294,400	26,750			874,421	64,768	5,797,074	14.72	393,823	CORCORAN	
COTTAGE GROVE	1,586,048	2,452,450	255,360	3,280,214	1,792,766	23,050	1,187,753	2,209,820	1,317,600	588,200	261,000	912,000		2,855,823	187,806	18,909,310	29.41	611,945	COTTAGE GROVE	
CROOKSTON	822,886	708,050	265,240	1,404,730	617,632		527,111	858,040	303,360	229,200		6,763,080	1,000	2,250,061	75,225	14,825,615	11.46	703,537	CROOKSTON	
CRYSTAL	1,074,361	1,778,700	329,080	1,972,129	883,554		1,029,035	1,682,100	667,360	357,600	48,100		105,750	1,768,997	96,279	11,693,045	17.88	653,973	CRYSTAL	
DAYTON	872,154	744,800	11,400	1,989,425	723,072	27,110	252,647	163,040	222,720	185,600	183,000			432,750	1,048,989	6,915,217	9.28	745,174	DAYTON	
DETROIT LAKES	565,355	1,259,300	92,720	1,019,836	664,741	170	493,899	429,620	351,360	248,200				269,450	971,040	6,441,611	12.41	519,066	DETROIT LAKES	
DULUTH	10,504,796	4,975,950	1,985,880	15,749,772	4,893,427	170,700	3,844,424	4,069,940	3,712,800	1,788,200	154,000	8,784,257	475,500	10,999,742	603,509	72,712,897	105.89	603,727	DULUTH	
EAGAN	1,602,215	1,482,250	699,960	3,452,657	3,005,236		1,135,924	2,481,120	2,619,840	922,600	114,000		488,700	3,240,806	356,855	21,602,162	46.13	468,289	EAGAN	
EAST BETHEL	639,795	1,979,600		1,047,212	867,347	86,610	609,278	1,185,920	618,000	509,600	168,699			1,388,169	97,581	9,197,811	25.48	360,982	EAST BETHEL	
EAST GRAND FORKS	944,518	977,550	114,760	1,317,004	665,452		488,982	183,360	427,680	249,600			262,500	1,013,653	75,910	6,720,969	12.48	538,539	EAST GRAND FORKS	
EDEN PRAIRIE	1,928,017	3,550,050	761,520	3,822,832	2,692,164		2,232,230	1,731,300	2,373,800	853,200	442,800	1,104,000	130,750	3,892,045	273,116	25,787,624	42.66	573,493	EDEN PRAIRIE	
EDINA	2,930,161	1,626,800	781,280	4,854,257	2,383,379		1,792,746	1,352,640	2,194,320	787,200	150,600	180,090	29,550	3,431,343	258,327	22,752,693	39.36	678,831	EDINA	
ELK RIVER	1,056,084	3,430,000	69,160	2,436,753	1,571,080	3,600	1,264,796	2,780,320	1,090,800	515,600	54,190			352,300	2,632,441	114,188	17,371,312	25.78	673,823	ELK RIVER
FAIRMONT	2,727,923	3,243,800	72,200	3,545,819	1,154,608		1,048,495	1,787,940	747,120	388,200	12,000	489,600	515,000	2,831,889	131,024	18,695,618	19.41	937,971	FAIRMONT	
FALCON HEIGHTS	55,584	58,800	4,560	96,393	119,554		53,792	297,920	70,320	50,800				145,391	14,241	967,355	2.54	380,848	FALCON HEIGHTS	
FARIBAULT	1,685,770	798,700	362,520	2,977,744	1,455,422		902,620	2,109,660	917,520	441,200		1,498,760	650,450	2,483,957	150,250	16,433,973	22.06	677,027	FARIBAULT	
FARMINGTON	1,921,933	1,906,100	6,840	2,564,904	973,536	53,500	585,332	899,740	488,400	239,200	105,000		212,200	1,802,348	48,784	11,864,167	11.96	974,245	FARMINGTON	
FERGUS FALLS	1,302,153	1,082,900	349,600	2,120,299	969,054	4,220	792,142	655,600	606,960	357,400	10,500	314,280	1,433,900	1,799,825	105,024	11,903,857	23.14	500,846	FERGUS FALLS	
FOREST LAKE	447,627	862,400	49,400	868,956	244,505		362,672	247,540	156,600	110,600				603,594	28,104	3,984,998	5.53	720,614	FOREST LAKE	
FRIDLEY	828,759	592,900	737,960	1,463,116	1,311,598		464,081		849,360	504,800			211,500	1,253,532	170,727	8,388,333	25.24	332,343	FRIDLEY	
GLENCOE	669,208	1,019,200	146,680	1,142,417	390,394		366,894	495,360	198,080	138,800	7,000		400,750	895,102	37,191	5,905,076	6.94	850,876	GLENCOE	
GOLDEN VALLEY	1,542,705	1,582,700	517,560	2,729,402	1,228,125		981,886	711,360	854,400	471,000	10,000	760,000	582,475	2,154,885	154,398	14,280,896	23.55	574,136	GOLDEN VALLEY	
GRAND RAPIDS	688,322	813,400	230,280	1,188,889	651,658	6,370	555,458	494,360	438,000	228,000	30,000	1,048,000	534,050	1,243,224	79,220	8,229,231	11.40	629,933	GRAND RAPIDS	
HAM LAKE	443,936	2,942,450	29,640	792,720	990,434	12,700	1,042,115	240,620	589,680	489,400	50,310			1,372,318	96,008	9,092,331	24.47	371,571	HAM LAKE	
HASTINGS	560,596	492,450	314,640	824,188	824,547	2,040	470,726	583,580	726,760	321,700	46,000			930,156	103,275	6,200,958	16.09	385,392	HASTINGS	
HERMANTOWN	391,684	1,124,550		1,094,278	613,560	3,430	362,085	212,200	454,320	259,800	10,000			814,665	67,571	5,408,144	12.99	416,331	HERMANTOWN	
HIBBING	4,417,504	2,479,400	429,400	6,509,206	2,135,023	154,680	1,267,269	1,318,980	1,470,000	1,009,200		16,320	1,258,700	4,043,774	269,538	26,778,694	50.74	527,441	HIBBING	
HOPKINS	1,032,453	894,250	232,560	1,812,034	731,528		516,378	743,840	595,400	186,200				1,214,218	67,378	8,027,235	9.31	862,216	HOPKINS	
HUGO	2,167,230	1,188,250		1,805,934	474,440	61,470	384,113	516,180	352,560	293,800				1,303,915	58,300	8,606,192	14.69	585,854	HUGO	
HUTCHINSON	998,082	948,150	366,320	1,528,336	808,859		608,069	823,720	519,120	294,600	28,850	459,000	881,050	1,487,154	97,072	9,846,182	14.73	637,283	HUTCHINSON	
INTERNATIONAL FALLS	737,452	318,500</																		



**COMPARISON OF NEEDS BETWEEN 1997 AND 1998**

Does not include Baxter

34

Needs Year	Grading	Complete Storm Sewer	Sewer Adjustment	Base Needs	Surface Needs	Total Shoulder Needs	Curb & Gutter Construction
1997	\$209,979,677	\$188,255,229	\$41,842,816	\$313,679,805	\$160,118,439	\$1,249,830	\$98,983,560
1998	\$224,697,100	\$200,169,900	\$47,314,560	\$332,667,207	\$166,960,849	\$1,542,900	\$124,187,536
Difference	\$14,717,423	\$11,914,671	\$5,471,744	\$18,987,402	\$6,842,410	\$293,070	\$25,203,976
%	7.01%	6.33%	13.08%	6.05%	4.27%	23.45%	25.46%
Needs Year	Sidewalk Construction	Traffic Signal Construction	Street Lighting Construction	Retaining Walls	Total Bridge Needs	Railroad Crossing Needs	Engineering
1997	\$128,869,641	\$101,872,200	\$55,645,000	\$13,190,102	\$78,667,632	\$36,257,550	\$257,150,151
1998	\$157,647,600	\$122,882,400	\$56,342,200	\$13,666,874	\$116,580,486	\$49,091,700	\$280,475,340
Difference	\$28,777,959	\$21,010,200	\$697,200	\$476,772	\$37,912,854	\$12,834,150	\$23,325,189
%	22.33%	20.62%	1.25%	3.61%	48.19%	35.40%	9.07%
Needs Year	Total Maintenance Needs	Total Money Needs	Total Mileage	After the fact Right of way Needs	After the fact Bridge Needs	Overall Apportionment Needs	Needs To Apport. Ratio
1997	\$17,463,711	\$1,705,463,552	2818.57	52,377,484	\$16,332,730	\$1,774,173,766	19.5807
1998	\$17,781,954	\$1,912,008,606	2846.44	60,111,319	\$22,087,033	\$1,994,206,958	22.0092
Difference	\$318,243	\$206,545,054	27.87	\$7,733,835	\$5,754,303	\$220,033,192	2.4284
%	1.82%	12.11%	0.99%	14.77%	35.23%	12.40%	



## **TENTATIVE 1999 CONSTRUCTION NEEDS APPORTIONMENT**

**This tabulation shows each municipality's tentative construction (money) needs apportionment based on a projected apportionment amount. The actual amount of the road user fund for distribution to the Municipal State Aid Account will not be available until January 1999.**

**50% of the total apportionment is determined on a prorated share that each city's adjusted construction needs bears to the total of all the adjusted construction needs. This tabulation shows each municipality's construction needs apportionment based on the amount of funds available to allocate.**

**The 25-year construction needs or money needs shown on this report are those computed from the "1998 Needs Study Update". The adjusted 25 year construction needs are the result of subtracting for the Unencumbered Construction Fund and adding or subtracting for Bond Accounts, adding Non-existing Bridge Adjustments and adding Right-of-Way "After the fact needs". These adjustments to the actual needs are made as directed by the Screening Board Resolutions.**

**The September 1, 1998 unencumbered construction fund balance was used as the adjustment in this report for estimating purposes. The unencumbered balance as of December 31, 1998 will be used for the 1999 January apportionment.**

**This summary provides specific data and shows the impact of the adjustment to each municipality for the Screening Board's use in establishing the 1999 Tentative Construction Needs Apportionment Determination.**

**The adjustments are listed individually following the tentative summary of adjustments to the 25 year actual 1998 Construction Needs.**

**TENTATIVE 1999 ADJUSTED CONSTRUCTION NEEDS APPORTIONMENT**  
 Needs Value: \$1 in construction needs = approximately \$.02399 in apportionment  
 Baxter's needs were based on 12.76 miles times \$327,760.

36

Municipality	1998 Actual 25-Year Construction Needs	(-) Unencumbered Construction Fund Balance Adjustment	(+ or -) Bond Account Adjustment	(+) Non- Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	Total Affect Of Adjustments	1998 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	(+) TH Turnback Main- tenance Allowance	Tentative 1999 Construction Needs Apportion- ment	% Of Total Dist.
Albert Lea	\$12,189,276	(\$1,644,578)	--	--	\$6,827	(\$1,637,751)	\$10,551,525	\$253,183	--	\$253,183	0.5397
Alexandria	8,022,226	(190,053)	--	--	--	(190,053)	7,832,173	187,932	--	187,932	0.4006
Andover	16,732,540	(434,082)	\$50,000	--	150,801	(233,281)	16,499,259	395,899	--	395,899	0.8439
Anoka	5,893,487	--	--	--	192,181	192,181	6,085,668	146,025	--	146,025	0.3113
Apple Valley	18,072,806	(1,155,709)	790,554	--	--	(365,155)	17,707,651	424,894	--	424,894	0.9057
Arden Hills	4,770,735	(28,268)	--	--	--	(28,268)	4,742,467	113,795	--	113,795	0.2426
Austin	23,191,719	(1,389,798)	--	--	--	(1,389,798)	21,801,921	523,136	--	523,136	1.1151
Baxter	4,182,218	--	--	--	--	0	4,182,218	100,352	--	100,352	0.2139
Bemidji	8,479,277	(1,133,860)	--	--	220,201	(913,659)	7,565,618	181,536	--	181,536	0.3870
Blaine	20,489,016	(1,447,009)	--	--	486,514	(960,495)	19,528,521	468,585	--	468,585	0.9988
Bloomington	60,856,003	(2,153,438)	--	\$2,745,123	9,938,660	10,530,345	71,386,348	1,712,910	--	1,712,910	3.6512
Brainerd	7,257,333	(1,097,418)	--	--	567,219	(530,199)	6,727,134	161,417	--	161,417	0.3441
Brooklyn Center	11,393,073	(319,480)	2,125,000	--	2,523,341	4,328,861	15,721,934	377,247	--	377,247	0.8041
Brooklyn Park	22,183,378	(1,957,223)	--	--	379,375	(1,577,848)	20,605,530	494,428	\$21,168	515,596	1.0990
Buffalo	8,732,632	--	--	--	--	0	8,732,632	209,539	--	209,539	0.4466
Burnsville	23,759,642	--	--	412,627	1,334,446	1,747,073	25,506,715	612,032	--	612,032	1.3046
Cambridge	4,836,759	(152,180)	566,142	--	--	413,962	5,250,721	125,991	15,480	141,471	0.3016
Champlin	7,850,592	(976,282)	--	--	123,432	(852,850)	6,997,742	167,910	--	167,910	0.3579
Chanhassen	11,181,609	(955,523)	--	--	65,000	(890,523)	10,291,086	246,934	4,320	251,254	0.5356
Chaska	9,607,944	(331,624)	--	408,699	92,467	169,542	9,777,486	234,610	--	234,610	0.5001
Chisholm	4,499,485	(254,937)	--	--	--	(254,937)	4,244,548	101,848	1,944	103,792	0.2212
Cloquet	12,646,329	(269,412)	510,000	--	--	240,588	12,886,917	309,221	4,752	313,973	0.6693
Columbia Heights	8,678,049	(1,790,753)	--	--	136,330	(1,654,423)	7,023,626	168,531	--	168,531	0.3592
Coon Rapids	20,568,174	(1,080,624)	--	1,050,431	1,060,488	1,030,295	21,598,469	518,254	--	518,254	1.1047
Corcoran	5,797,074	--	--	--	25,058	25,058	5,822,132	139,702	--	139,702	0.2978
Cottage Grove	18,909,310	--	--	51,603	458,865	510,468	19,419,778	465,976	--	465,976	0.9933
Crookston	14,825,615	(153,216)	--	--	1,050,364	897,148	15,722,763	377,267	--	377,267	0.8042
Crystal	11,693,045	--	--	--	3,682,636	3,682,636	15,375,681	368,938	--	368,938	0.7864
Dayton	6,915,217	--	--	--	--	0	6,915,217	165,930	--	165,930	0.3537
Detroit Lakes	6,441,611	--	--	--	--	0	6,441,611	154,566	--	154,566	0.3295

		(-)	(+ or -)	(+)	(+)			Construction Needs	(+) TH	Tentative 1999	
Municipality	1998 Actual 25-Year Construction Needs	Unencumbered Construction Fund Balance Adjustment	Bond Account Adjustment	Non- Existing Bridge Adjustment	R/W Acquisition Adjustment	Total Affect Of Adjustments	1998 Adjusted Construction Needs	Apportion- ment Minus Turnback Maintenance	Turnback Main- tenance Allowance	Construction Needs Apportion- ment	% Of Total Dist.
Duluth	\$72,712,897	--	--	\$1,054,200	\$310,135	\$1,364,335	\$74,077,232	\$1,777,478	\$118,080	\$1,895,558	4.0405
Eagan	21,602,162	(\$1,136,321)	\$1,970,000	--	392,508	1,226,187	22,828,349	547,765	--	547,765	1.1676
East Bethel	9,197,811	(850,212)	--	--	17,200	(833,012)	8,364,799	200,713	--	200,713	0.4278
East Grand Forks	6,720,969	(539,966)	--	--	121,700	(418,266)	6,302,703	151,233	--	151,233	0.3224
Eden Prairie	25,787,624	--	362,697	1,486,202	--	1,848,899	27,636,523	663,136	--	663,136	1.4135
Edina	22,752,693	(4,202,433)	--	1,107,123	305,393	(2,789,917)	19,962,776	479,005	--	479,005	1.0210
Elk River	17,371,312	--	360,000	--	238,839	598,839	17,970,151	431,192	--	431,192	0.9191
Fairmont	18,695,618	(516,424)	--	--	73,163	(443,261)	18,252,357	437,964	--	437,964	0.9335
Falcon Heights	967,355	(336,196)	(27,988)	--	--	(364,184)	603,171	14,473	--	14,473	0.0308
Faribault	16,433,973	(346,889)	--	--	2,346	(344,543)	16,089,430	386,065	--	386,065	0.8229
Farmington	11,864,167	(56,455)	--	--	83,865	27,410	11,891,577	285,338	--	285,338	0.6082
Fergus Falls	11,903,857	(710,303)	--	--	67,200	(643,103)	11,260,754	270,201	\$37,944	308,145	0.6568
Forest Lake	3,984,998	--	--	--	64,783	64,783	4,049,781	97,174	--	97,174	0.2071
Fridley	8,388,333	(358,931)	--	--	95,081	(263,850)	8,124,483	194,946	--	194,946	0.4155
Glencoe	5,905,076	(356,444)	--	--	--	(356,444)	5,548,632	133,139	--	133,139	0.2838
Golden Valley	14,280,896	(539,267)	--	--	419,693	(119,574)	14,161,322	339,800	--	339,800	0.7243
Grand Rapids	8,229,231	--	--	--	--	0	8,229,231	197,460	--	197,460	0.4209
Ham Lake	9,092,331	(28,219)	335,000	--	131,576	438,357	9,530,688	228,688	--	228,688	0.4875
Hastings	6,200,958	--	--	--	--	0	6,200,958	148,792	--	148,792	0.3172
Hermantown	5,408,144	(880,916)	--	--	129,858	(751,058)	4,657,086	111,746	--	111,746	0.2382
Hibbing	26,778,694	(1,174,728)	--	--	191,360	(983,368)	25,795,326	618,957	2,016	620,973	1.3236
Hopkins	8,027,235	(404,491)	--	--	1,000	(403,491)	7,623,744	182,931	--	182,931	0.3899
Hugo	8,606,192	(856,042)	--	--	--	(856,042)	7,750,150	185,964	--	185,964	0.3964
Hutchinson	9,846,182	(348,064)	--	829,686	341,250	822,872	10,669,054	256,003	--	256,003	0.5457
International Falls	5,314,887	(786,615)	--	--	--	(786,615)	4,528,272	108,656	--	108,656	0.2316
Inver Grove Heights	15,261,189	(1,127,105)	--	--	1,127,132	27	15,261,216	366,192	--	366,192	0.7806
Lake Elmo	4,262,005	--	--	--	106,951	106,951	4,368,956	104,833	--	104,833	0.2235
Lakeville	28,731,792	--	--	959,382	712,328	1,671,710	30,403,502	729,530	--	729,530	1.5550
Lino Lakes	13,440,881	(258,496)	--	--	64,950	(193,546)	13,247,335	317,869	2,016	319,885	0.6819
Litchfield	5,244,863	(249,195)	--	--	--	(249,195)	4,995,668	119,871	--	119,871	0.2555
Little Canada	6,427,354	(223,403)	100,000	--	--	(123,403)	6,303,951	151,263	--	151,263	0.3224
Little Falls	9,412,041	(56,023)	--	--	407,923	351,900	9,763,941	234,285	--	234,285	0.4994
Mahtomedi	3,652,836	--	--	--	--	0	3,652,836	87,650	--	87,650	0.1868
Mankato	22,636,839	--	--	--	433,175	433,175	23,070,014	553,563	--	553,563	1.1799
Maple Grove	27,685,672	--	2,685,000	--	2,548,247	5,233,247	32,918,919	789,887	--	789,887	1.6837

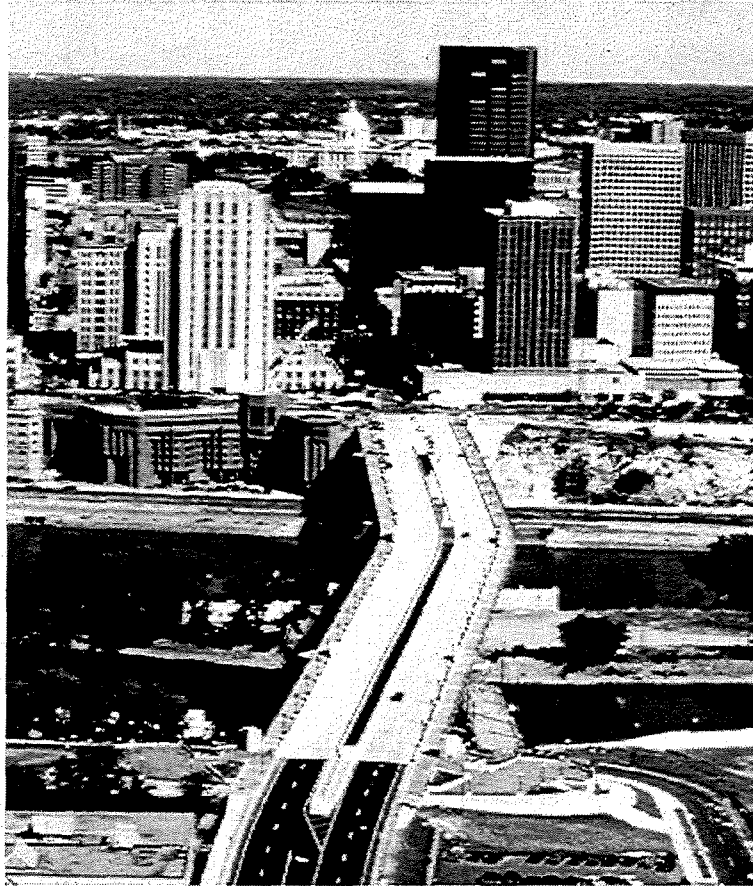
		(-)	(+ or -)	(+)	(+)			Construction	(+)	Tentative	
	1998 Actual	Unencumbered	Bond	Non-	R/W	Total	1998	Needs	TH	1999	%
Municipality	25-Year	Construction	Account	Existing	Acquisition	Affect	Adjusted	Apportion-	Turnback	Construction	Of
	Construction	Fund Balance	Adjustment	Bridge	Adjustment	Of	Construction	ment Minus	Main-	Needs	Total
	Needs	Adjustment	Adjustment	Adjustment	Adjustment	Adjustments	Needs	Maintenance	tenance	Apportion-	Dist.
									Allowance	ment	
Maplewood	\$15,898,365	--	--	--	--	\$0	\$15,898,365	\$381,480	--	\$381,480	0.8131
Marshall	8,800,526	(\$950,365)	(\$74,504)	--	\$14,443	(1,010,426)	7,790,100	186,923	--	186,923	0.3984
Mendota Heights	6,636,509	(710,558)	--	--	8,970	(701,588)	5,934,921	142,408	--	142,408	0.3036
Minneapolis	211,170,164	(5,636,292)	--	\$3,196,054	8,212,678	5,772,440	216,942,604	5,205,522	--	5,205,522	11.0959
Minnetonka	25,160,026	--	--	--	1,131,866	1,131,866	26,291,892	630,872	--	630,872	1.3447
Montevideo	4,534,260	(297,463)	--	--	17,121	(280,342)	4,253,918	102,072	--	102,072	0.2176
Monticello	4,940,297	(394,801)	--	--	149,510	(245,291)	4,695,006	112,656	--	112,656	0.2401
Moorhead	24,983,116	(1,024,010)	--	1,149,085	402,684	527,759	25,510,875	612,132	--	612,132	1.3048
Morris	3,413,702	(258,416)	--	--	2,379	(256,037)	3,157,665	75,768	--	75,768	0.1615
Mound	4,115,728	(217,830)	--	--	1,409,966	1,192,136	5,307,864	127,362	--	127,362	0.2715
Mounds View	5,652,584	(561,805)	--	--	--	(561,805)	5,090,779	122,153	--	122,153	0.2604
New Brighton	7,777,628	(69,805)	--	--	--	(69,805)	7,707,823	184,949	--	184,949	0.3942
New Hope	11,285,301	--	--	--	183,000	183,000	11,468,301	275,181	--	275,181	0.5866
New Ulm	10,261,526	(736,296)	--	--	--	(736,296)	9,525,230	228,557	--	228,557	0.4872
North Branch	9,841,400	(564,356)	--	--	--	(564,356)	9,277,044	222,602	--	222,602	0.4745
North Mankato	9,172,929	(157,910)	--	--	395,146	237,236	9,410,165	225,796	--	225,796	0.4813
North St. Paul	5,565,274	(226,156)	--	--	78,068	(148,088)	5,417,186	129,985	--	129,985	0.2771
Northfield	8,882,416	(921,558)	--	--	8,850	(912,708)	7,969,708	191,233	--	191,233	0.4076
Oak Grove	7,331,506	(22,970)	--	--	54,551	31,581	7,363,087	176,677	--	176,677	0.3766
Oakdale	9,238,539	(133,956)	798,960	--	233,629	898,633	10,137,172	243,241	--	243,241	0.5185
Orono	10,125,975	(781,805)	--	--	30,164	(751,641)	9,374,334	224,936	--	224,936	0.4795
Otsego	9,381,164	(993,913)	--	--	8,900	(985,013)	8,396,151	201,465	--	201,465	0.4294
Owatonna	12,735,161	--	--	--	--	0	12,735,161	305,579	--	305,579	0.6514
Plymouth	29,005,095	(320,932)	--	1,124,050	200,901	1,004,019	30,009,114	720,067	--	720,067	1.5349
Prior Lake	8,955,719	(313,295)	--	--	281,025	(32,270)	8,923,449	214,118	--	214,118	0.4564
Ramsey	14,516,814	(1,203,085)	--	357,631	153,271	(692,183)	13,824,631	331,721	--	331,721	0.7071
Red Wing	16,128,727	--	--	1,169,742	72,851	1,242,593	17,371,320	416,824	--	416,824	0.8885
Redwood Falls	5,649,585	(208,630)	(190,000)	--	--	(398,630)	5,250,955	125,996	--	125,996	0.2686
Richfield	16,195,245	(2,721,385)	--	--	2,460,758	(260,627)	15,934,618	382,350	--	382,350	0.8150
Robbinsdale	5,230,912	(166,389)	--	--	--	(166,389)	5,064,523	121,523	--	121,523	0.2590
Rochester	43,399,424	(1,152,642)	--	--	3,631,013	2,478,371	45,877,795	1,100,834	--	1,100,834	2.3465
Rosemount	14,386,630	(807,634)	(185,000)	--	--	(992,634)	13,393,996	321,388	--	321,388	0.6851
Roseville	14,258,668	(200,000)	920,000	3,321,363	1,638,810	5,680,173	19,938,841	478,431	--	478,431	1.0198
St. Anthony	4,375,984	(296,403)	--	--	--	(296,403)	4,079,581	97,889	--	97,889	0.2087
St. Cloud	32,715,275	--	910,000	--	1,489,274	2,399,274	35,114,549	842,571	\$8,784	851,355	1.8147

		(-)	(+ or -)	(+)	(+)			Construction Needs	(+)	Tentative	
Municipality	1998 Actual 25-Year Construction Needs	Unencumbered Construction Fund Balance Adjustment	Bond Account Adjustment	Non- Existing Bridge Adjustment	R/W Acquisition Adjustment	Total Affect Of Adjustments	1998 Adjusted Construction Needs	Apportion- ment Minus Turnback Maintenance	TH Turnback Main- tenance Allowance	1999 Construction Needs Apportion- ment	% Of Total Dist.
St. Louis Park	\$23,377,631	--	--	--	\$351,001	\$351,001	\$23,728,632	\$569,367	--	\$569,367	1.2136
St. Michael	8,400,311	(\$248,698)	--	--	--	-248,698	8,151,613	195,597	--	195,597	0.4169
St. Paul	167,907,131	(2,427,311)	--	--	5,351,250	2,923,939	170,831,070	4,099,079	--	4,099,079	8.7374
St. Paul Park	4,068,745	(395,431)	--	--	--	(395,431)	3,673,314	88,141	--	88,141	0.1879
St. Peter	8,948,735	(224,634)	--	--	26,182	(198,452)	8,750,283	209,962	--	209,962	0.4475
Sartell	4,795,189	(203,051)	--	--	115,505	(87,546)	4,707,643	112,960	--	112,960	0.2408
Sauk Rapids	5,345,217	--	--	--	37,569	37,569	5,382,786	129,160	--	129,160	0.2753
Savage	13,201,876	(355,425)	\$867,775	--	--	512,350	13,714,226	329,072	--	329,072	0.7014
Shakopee	10,229,787	(278,776)	--	--	--	(278,776)	9,951,011	238,774	--	238,774	0.5090
Shoreview	7,197,276	--	--	--	15,732	15,732	7,213,008	173,076	--	173,076	0.3689
Shorewood	5,744,490	(1,356,588)	--	--	--	(1,356,588)	4,387,902	105,287	--	105,287	0.2244
South St. Paul	9,187,310	(1,964,945)	--	--	--	(1,964,945)	7,222,365	173,300	--	173,300	0.3694
Spring Lake Park	1,720,740	--	--	--	132,644	132,644	1,853,384	44,472	--	44,472	0.0948
Stewartville	2,692,383	(106,649)	--	--	--	(106,649)	2,585,734	62,044	--	62,044	0.1323
Stillwater	7,677,340	(708,809)	--	--	19,061	(689,748)	6,987,592	167,667	--	167,667	0.3574
Thief River Falls	12,689,509	(731,735)	--	--	70,642	(661,093)	12,028,416	288,621	--	288,621	0.6152
Vadnais Heights	2,991,582	--	--	--	--	0	2,991,582	71,783	--	71,783	0.1530
Virginia	6,958,517	--	--	--	--	0	6,958,517	166,969	\$16,920	183,889	0.3920
Waite Park	5,665,562	--	--	--	28,764	28,764	5,694,326	136,635	--	136,635	0.2912
Waseca	4,393,489	(251,968)	--	--	5,000	(246,968)	4,146,521	99,495	--	99,495	0.2121
West St. Paul	5,744,186	(79,082)	--	--	--	(79,082)	5,665,104	135,934	--	135,934	0.2898
White Bear Lake	9,870,846	--	--	--	279,823	279,823	10,150,669	243,565	--	243,565	0.5192
Willmar	12,468,274	(1,168,374)	--	--	130,000	(1,038,374)	11,429,900	274,260	4,392	278,652	0.5940
Winona	13,111,444	(715,439)	--	--	--	(715,439)	12,396,005	297,441	--	297,441	0.6340
Woodbury	28,747,696	(141,533)	3,330,853	\$1,664,032	369,615	5,222,967	33,970,663	815,123	--	815,123	1.7375
Worthington	7,848,142	(668,511)	--	--	26,842	(641,669)	7,206,473	172,918	--	172,918	0.3686
STATE TOTAL	\$1,916,190,824	(\$69,336,224)	\$16,204,489	\$22,087,033	\$60,111,319	\$29,066,617	\$1,945,257,441	\$46,676,313	\$237,816	\$46,914,129	100.0000

Construction Needs Apportionment = \$46,676,313 / \$1,945,257,441= 0.023994928

x City's Adjusted Construction Needs + TH Turnback Maintenance Adjustment

# ADJUSTMENTS TO THE



# 1998 CONSTRUCTION NEEDS

# NOTES

## UNENCUMBERED CONSTRUCTION FUND BALANCE ADJUSTMENT

The unencumbered amount available as of December 31, 1998 will be used as a deduction from each city's total needs adjustment for the 1999 apportionment. The September 1, 1998 balance was used in this booklet. In 1996, the date that is used to deduct the unencumbered balances was changed from September 1 to December 31. See the Screening Board Resolution and the 1998 Needs Construction Apportionment spreadsheet. The total fund balance decreased by \$39,473,419 between September 1, 1997 and December 31, 1997. The total fund balance decreased \$19,247,741 between September 1, 1997 and 1998 from \$88,583,965 to \$69,336,224. The September 1, 1998 unencumbered amount available includes the 1998 total construction apportionment amount of \$72,548,560. Just like State Aid advances, the remaining bond principal of \$18,751,735 will be deducted from future allocations and can be considered as spent.

<b>Municipalities</b>	<b>Unencumbered Balance Available 12-31-97</b>	<b>Unencumbered Balance Available 9-01-98</b>	<b>Difference Between 12-31-97 and 9-01-98</b>	<b>State Aid Advance To be Paid From Future Allocations</b>	<b>Percentage of Total Amount in 1998 Account</b>	<b>Ratio bet Balance &amp; City's 1998 Construction Allotment</b>
Albert Lea	\$1,255,793	\$1,644,578	\$388,785		2.3719	4.0022
Alexandria	24,668	190,053	165,385	\$221,000	0.2741	0.7776
Andover	0	434,082	434,082		0.6261	0.8506
Anoka	0	0	0	307,000	0.0000	0.0000
Apple Valley	354,298	1,155,709	801,411		1.6668	1.2256
Arden Hills	0	28,268	28,268		0.0408	0.1493
Austin	2,110,250	1,389,798	(720,452)		2.0044	1.8235
Bemidji	881,340	1,133,860	252,520		1.6353	3.9538
Blaine	1,823,624	1,447,009	(376,615)		2.0869	1.7479
Bloomington	501,704	2,153,438	1,651,734		3.1058	1.0166
Brainerd	833,681	1,097,418	263,737		1.5827	4.1610
Brooklyn Center	0	319,480	319,480		0.4608	0.5110
Brooklyn Park	1,767,279	1,957,223	189,944		2.8228	1.8121
Buffalo	0	0	0	500,000	0.0000	0.0000
Burnsville	0	0	0	406,070	0.0000	0.0000
Cambridge	0	152,180	152,180		0.2195	1.0000
Champlin	622,518	976,282	353,764		1.4080	2.7597
Chanhassen	435,889	955,523	519,634		1.3781	1.8642
Chaska	0	331,624	331,624		0.4783	0.9949
Chisholm	115,247	254,937	139,690		0.3677	1.8250
Cloquet	435,062	269,412	(165,650)		0.3886	0.8736
Columbia Heights	1,487,231	1,790,753	303,522		2.5827	5.8999
Coon Rapids	2,356,614	1,080,624	(1,275,990)		1.5585	0.8463
Corcoran	0	0	0	206,097	0.0000	0.0000
Cottage Grove	0	0	0	910,485	0.0000	0.0000
Crookston	181,510	153,216	(28,294)		0.2210	0.3777
Crystal	86,518	0	(86,518)		0.0000	0.0000
Dayton	0	0	0	160,327	0.0000	0.0000
Detroit Lakes	196,061	0	(196,061)	129,668	0.0000	0.0000
Duluth	0	0	0	969,015	0.0000	0.0000
Eagan	0	1,136,321	1,136,321		1.6389	0.8399
East Bethel	804,836	850,212	45,376		1.2262	3.3040
East Grand Forks	351,638	539,966	188,328		0.7788	2.7002
Eden Prairie	91,241	0	(91,241)	373,931	0.0000	0.0000
Edina	3,273,878	4,202,433	928,555		6.0609	4.5258



<b>Municipalities</b>	<b>Unencumbered Balance Available 12-31-97</b>	<b>Unencumbered Balance Available 9-01-98</b>	<b>Difference Between 12-31-97 and 9-01-98</b>	<b>State Aid Advance To be Paid From Future Allocations</b>	<b>Percentage of Total Amount in 1998 Account</b>	<b>Ratio bet Balance &amp; City's 1998 Construction Allotment</b>
Elk River	\$0	\$0	\$0	\$142,882	0.0000	0.0000
Fairmont	0	516,424	516,424		0.7448	0.8318
Falcon Heights	305,331	336,196	30,865		0.4849	5.4612
Faribault	72,700	346,889	274,189		0.5003	0.6912
Farmington	1,190,543	56,455	(1,134,088)		0.0814	0.2123
Fergus Falls	350,182	710,303	360,121		1.0244	1.9724
Forest Lake	0	0	0		0.0000	0.0000
Fridley	833,155	358,931	(474,224)		0.5177	0.8245
Glencoe	154,624	356,444	201,820		0.5141	1.7617
Golden Valley	31,507	539,267	507,760		0.7778	1.0621
Grand Rapids	0	0	0		0.0000	0.0000
Ham Lake	48,199	28,219	(19,980)		0.0407	0.0842
Hastings	0	0	0	285,396	0.0000	0.0000
Hermantown	776,566	880,916	104,350	340,000	1.2705	4.7600
Hibbing	1,025,348	1,174,728	149,380		1.6942	1.7285
Hopkins	0	404,491	404,491		0.5834	0.9166
Hugo	645,780	856,042	210,262		1.2346	4.0713
Hutchinson	0	348,064	348,064		0.5020	0.8039
International Falls	558,056	786,615	228,559		1.1345	3.4416
Inver Grove Heights	689,650	1,127,105	437,455		1.6256	2.1009
Lake Elmo	390,054	0	(390,054)		0.0000	0.0000
Lakeville	0	0	0	1,290,224	0.0000	0.0000
Lino Lakes	853,598	258,496	(595,102)		0.3728	0.6589
Litchfield	109,822	249,195	139,373		0.3594	1.4398
Little Canada	0	223,403	223,403		0.3222	1.0000
Little Falls	0	56,023	56,023	172,954	0.0808	0.1713
Mahtomedi	0	0	0	344,000	0.0000	0.0000
Mankato	63,085	0	(63,085)	977,366	0.0000	0.0000
Maple Grove	0	0	0		0.0000	0.0000
Maplewood	379,645	0	(379,645)		0.0000	0.0000
Marshall	566,395	950,365	383,970		1.3707	2.4751
Mendota Heights	491,257	710,558	219,301		1.0248	3.0389
Minneapolis	1,236,292	5,636,292	4,400,000		8.1289	0.7795
Minnetonka	0	0	0	1,337,207	0.0000	0.0000
Montevideo	200,686	297,463	96,777		0.4290	1.7234
Monticello	263,521	394,801	131,280		0.5694	3.0073
Moorhead	108,196	1,024,010	915,814		1.4769	1.0953
Morris	280,761	258,416	(22,345)		0.3727	2.3116
Mound	21,724	217,830	196,106		0.3142	1.0965
Mounds View	631,962	561,805	(70,157)		0.8103	2.3737
New Brighton	91,359	69,805	(21,554)		0.1007	0.1760
New Hope	0	0	0		0.0000	0.0000
New Ulm	324,449	736,296	411,847		1.0619	1.7482
North Branch	314,024	564,356	250,332		0.8139	2.1680
North Mankato	0	157,910	157,910		0.2277	0.4377

<b>Municipalities</b>	<b>Unencumbered Balance Available 12-31-97</b>	<b>Unencumbered Balance Available 9-01-98</b>	<b>Difference Between 12-31-97 and 9-01-98</b>	<b>State Aid Advance To be Paid From Future Allocations</b>	<b>Percentage of Total Amount in 1998 Account</b>	<b>Ratio bet Balance &amp; City's 1998 Construction Allotment</b>
North St. Paul	\$65,625	\$226,156	\$160,531		0.3262	0.8999
Northfield	711,858	921,558	209,700		1.3291	2.7928
Oak Grove	0	22,970	22,970		0.0331	0.0864
Oakdale	0	133,956	133,956		0.1932	0.2846
Orono	686,185	781,805	95,620		1.1276	3.0274
Otsego	762,911	993,913	231,002		1.4335	4.3026
Owatonna	0	0	0	\$555,000	0.0000	0.0000
Plymouth	0	320,932	320,932		0.4629	0.2067
Prior Lake	684,598	313,295	(371,303)		0.4518	0.9762
Ramsey	685,006	1,203,085	518,079		1.7351	2.3222
Red Wing	0	0	0	671,000	0.0000	0.0000
Redwood Falls	75,740	208,630	132,890		0.3009	1.5699
Richfield	2,542,856	2,721,385	178,529		3.9249	3.7409
Robbinsdale	0	166,389	166,389		0.2400	0.4808
Rochester	714,722	1,152,642	437,920		1.6624	0.5639
Rosemount	400,471	807,634	407,163		1.1648	1.7105
Roseville	1,056,551	200,000	(856,551)		0.2884	0.2719
St. Anthony	502,914	296,403	(206,511)		0.4275	1.8022
St. Cloud	0	0	0	1,000,000	0.0000	0.0000
St. Louis Park	0	0	0	700,000	0.0000	0.0000
St. Michael	5,996	248,698	242,702		0.3587	1.0247
St. Paul	0	2,427,311	2,427,311		3.5008	0.4408
St. Paul Park	269,430	395,431	126,001		0.0000	3.1383
St. Peter	696,809	224,634	(472,175)		0.3240	0.7006
Sartell	0	203,051	203,051		0.2928	1.0000
Sauk Rapids	0	0	0		0.0000	0.0000
Savage	0	355,425	355,425		0.5126	0.8767
Shakopee	106,202	278,776	172,574		0.4021	0.7916
Shoreview	95,910	0	(95,910)	308,919	0.0000	0.0000
Shorewood	1,196,942	1,356,588	159,646		1.9565	8.4975
South St. Paul	1,849,935	1,964,945	115,010		2.8339	5.5007
Spring Lake Park	0	0	0	10,774	0.0000	0.0000
Stewartville	0	106,649	106,649		0.1538	1.0000
Stillwater	415,634	708,809	293,175		1.0223	2.4177
Thief River Falls	394,331	731,735	337,404		1.0553	2.1605
Vadnais Heights	0	0	0	115,000	0.0000	0.0000
Virginia	0	0	0		0.0000	0.0000
Waite Park	0	0	0	374,277	0.0000	0.0000
Waseca	50,623	251,968	201,345		0.3634	1.2514
West St. Paul	0	79,082	79,082		0.1141	0.2121
White Bear Lake	0	0	0	182,457	0.0000	0.0000
Willmar	804,543	1,168,374	363,831		1.6851	2.7243
Winona	364,330	715,439	351,109		1.0318	1.3495
Woodbury	0	141,533	141,533	106,789	0.2041	0.1654
Worthington	971,073	668,511	(302,562)		0.9642	2.4300
<b>TOTAL</b>	<b>\$49,110,546</b>	<b>\$69,336,224</b>	<b>\$20,225,678</b>	<b>\$13,097,838</b>	<b>100.0000</b>	<b>0.9557</b>

# UNAMORTIZED BOND ACCOUNT BALANCE

(Amount as of December 31, 1997)  
(For Reference, see Bond Adjustment Resolution)

The average principal and interest on all Bond sales cannot exceed 50 percent of the last construction apportionment preceding the Bond sale.

**COLUMN B: Total Disbursements and Obligations:** The amount of bond applied toward State Aid projects. A Report Of State Contract must be submitted by December 31 of the previous year to get credit for the expenditure.

**COLUMN C: Unencumbered Bond Balance Available:** The amount of the bond not applied toward a State Aid project.

**COLUMN D: Unamortized Bond Balance:** The remaining bond principal to be paid on the issue. This payment is made from the city's construction account. Interest payments are made from the maintenance account and are not reflected in this chart.

The bond account adjustment is computed by using two steps.

Step 1: (A minus B) Amount of issue minus disbursements = unencumbered balance.

Step 2: (D minus C minus E) Unamortized bond balance minus unencumbered balance = bond account adjustment.

		(A)	(B)	(C)	(D)	(E)	(D minus C minus E)
			Total Amount Applied Toward State Aid Projects	(A Minus B) Amount Not Applied Toward State Aid Projects	Remaining Amount of Principal To Be Paid	Off System Disburse- ment	Bond Account Adjustment
Municipality	Date of Issue	Amount of Issue					
Andover	8-01-88	\$500,000	\$500,000	\$0	\$50,000		\$50,000
Apple Valley	8-01-79	875,000	875,000	0	235,000		235,000
Apple Valley	9-09-91	1,730,000	1,730,000	0	1,335,000	\$779,446	555,554
Brooklyn Center	9-01-91	3,000,000	3,000,000	0	2,125,000		2,125,000
Cambridge	8-01-94	650,000	641,142	8,858 *	575,000		566,142
Cloquet	12-01-93	835,000	835,000	0	510,000		510,000
Eagan	7-01-86	3,000,000	3,000,000	0	975,000		975,000
Eagan	12-01-96 **	995,000	102,539	892,461	715,000		995,000
Eden Prairie	11-10-91	370,000	370,000	0	200,000		200,000

		(A)	(B)	(C)	(D)	(E)	(D Minus C) minus E)
			Total Amount Applied Toward State Aid Projects	(A Minus B) Amount Not Applied Toward State Aid Projects	Remaining Amount of Principal To Be Paid	Off System Disburse- ment	Bond Account Adjustment
Municipality	Date of Issue	Amount of Issue					
Eden Prairie	7-01-92	\$1,940,000	\$1,902,697	\$37,303	\$200,000		\$162,697
Elk River	6-01-92	1,095,000	1,095,000	0	360,000		360,000
Falcon Heights	4-21-80	170,000	142,012	27,988	0		(27,988)
Ham Lake	9-01-94	530,000	530,000	0	335,000		335,000
Little Canada	11-01-93	315,000	300,000	15,000 *	115,000		100,000
Maple Grove	11-01-94	3,620,000	3,620,000	0	2,685,000		2,685,000
Marshall	7-01-81	310,000	235,496	74,504	0		(74,504)
Oakdale	11-10-92	453,181	453,181	0	242,616		242,616
Oakdale	11-23-93	887,640	887,640	0	556,344		556,344
Redwood Falls	12-01-82	215,000	25,000	190,000	0		(190,000)
Rosemount	7-05-94	700,000	0	700,000	515,000		(185,000)
Roseville	12-01-85	2,225,000	2,225,000	0	920,000		920,000
St. Cloud	11-01-92	1,940,000	1,755,000	185,000	1,095,000		910,000
Savage	10-01-87	875,000	875,000	0	150,000		150,000
Savage	06-17-96 **	717,775	0	717,775	687,775		717,775
Savage	10-01-97	820,000	0.00	820,000	820,000		0
Woodbury	10-01-94	3,890,000	3,870,853	19,147	3,350,000		3,330,853
<b>TOTAL</b>		<b>\$32,658,596</b>	<b>\$28,970,560</b>	<b>\$3,688,036</b>	<b>\$18,751,735</b>	<b>\$779,446</b>	<b>\$16,204,489</b>

\* Overhead costs

\*\* The bond adjustment will be adjusted annually by 10% starting in year principal is paid.

## NON-EXISTING BRIDGE CONSTRUCTION

To compensate for not allowing needs for non-existing structures in the 25-year needs study, the Municipal Screening Board passed in the following resolution:

**BE IT RESOLVED:**

"The money needs for all "non-existing" bridges and grade separations be removed from the Needs Study until such time that a construction project is awarded. At that time a money needs adjustment shall be made by annually adding the total amount of the structure cost, project development and construction engineering that is eligible for State Aid reimbursement for a 15-year period."

This directive to exclude all Federal or State grants.

Municipality	MSAS No.	First Year of Adjustment	Year of Apportionment Expiration	15 Years Amount Expired	Project Development & Constuction Engineering	Project Needs	Total Needs Amount
Bloomington	433	1987	2001		\$226,024	\$1,255,688	
	399	1990	2004		192,724	1,070,687	
							<b>\$2,745,123</b>
Burnsville	108	1986	2000		62,943	349,684	<b>412,627</b>
Chaska	107	1997	2011		62,344	346,355	<b>408,699</b>
Coon Rapids	120	1999	2013		160,235	890,196	<b>1,050,431</b>
Cottage Grove	111	1997	2011		7,872	43,731	<b>51,603</b>
Duluth *	140	1987	2001			1,054,200	<b>1,054,200</b>
Eden Prairie	101	1985	1999		175,374	974,299	
	107	1997	2011		51,335	285,194	<b>1,486,202</b>
Edina	174	1997	2011		168,883	938,240	<b>1,107,123</b>
Hutchinson	108	1998	2012		212,207	617,479	<b>829,686</b>
Lakeville	122	1996	2010		146,346	813,036	<b>959,382</b>
Minneapolis	336	1986	2000		194,881	1,082,670	
	419	1996	2010		292,653	1,625,850	<b>3,196,054</b>
Moorhead	135	1998	2012		175,284	973,801	<b>1,149,085</b>
Plymouth	153	1999	2013		171,465	952,585	<b>1,124,050</b>
Ramsey	104	1998	2012		54,554	303,077	<b>357,631</b>
Red Wing	122	1986	2000		178,435	991,307	<b>1,169,742</b>
Roseville	219	1987	2001		506,649	2,814,714	<b>3,321,363</b>
Woodbury	108	1996	2010		253,835	1,410,197	<b>1,664,032</b>
<b>TOTAL</b>					<b>\$3,294,043</b>	<b>\$18,792,990</b>	<b>\$22,087,033</b>

\* Rehabilitation of the lift bridge which was approved by the Screening Board in 1986.

## PROJECT LISTING OF RIGHT-OF-WAY ACQUISITION

MUNICIPALITY	PROJECT	PROJECT AMOUNT	TOTAL ADJUSTMENT
Anoka	103-120-003	\$4,650	\$4,650
Blaine	106-130-001	194,158	194,158
Bloomington	107-130-027	55,000	
	107-132-019	142,000	
	107-385-012	511,846	
	107-385-014	729,900	
	107-399-023	395,100	
	107-419-012	1,237,600	
	107-433-005	1,325,000	4,396,446
Brainerd	108-124-06	215,200	215,200
Brooklyn Park	110-113-006	152	152
Columbia Heights	113-104-010	3,130	3,130
Corcoran	215-112-001	19,296	19,296
Duluth	118-157-018	35,980	35,980
Elk River	204-132-001	(12,028)	(12,028)
Hopkins	132-346-013	1,000	1,000
Hutchinson	133-104-004	166,250	166,250
Maple Grove	189-108-004	1,181,828	1,181,828
Minneapolis	141-345-001	363,325	363,325
Minnetonka	142-147-004	502,836	502,836
Moorhead	144-118-013	1,188	
	144-126-006	1,188	2,376
Mound	145-108-002	814,325	814,325
Orono	152-101-011	1,000	1,000
Rochester	159-119-006	14,586	14,586
Roseville	160-246-002	(21,916)	(21,916)
St. Louis Park	163-283-014	19,000	
	163-290-008	18,410	
	163-296-002	10,686	48,096
St. Paul	164-159-026	839,565	839,565
Sauk Rapids	191-112-001	33,625	33,625
Shoreview	167-263-001	787	787
Spring Lake Park	183-102-002	3,294	3,294
<b>TOTAL</b>			<b>\$8,807,961</b>

# NEEDS ADJUSTMENT FOR RIGHT-OF-WAY ACQUISITION

(For reference, see Right-of-Way Resolution)

MUNICIPALITY	1982-1996 RIGHT-OF-WAY EXPENDITURES	+	1997 RIGHT-OF-WAY EXPENDITURES	-	1982 EXPIRED RIGHT-OF-WAY EXPENDITURES	=	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1999 APPORTIONMENT
Albert Lea	\$6,827		--		--		\$6,827
Alexandria	--		--		--		--
Andover	150,801		--		--		150,801
Anoka	216,505		\$4,650		(\$28,974)		192,181
Apple Valley	--		--		--		--
Arden Hills	--		--		--		--
Austin	--		--		--		--
Bemidji	220,201		--		--		220,201
Blaine	292,356		194,158		--		486,514
Bloomington	5,542,214		4,396,446		--		9,938,660
Brainerd	352,019		215,200		--		567,219
Brooklyn Center	2,523,341		--		--		2,523,341
Brooklyn Park	379,223		152		--		379,375
Buffalo	--		--		--		--
Burnsville	1,334,446		--		--		1,334,446
Cambridge	--		--		--		--
Champlin	123,432		--		--		123,432
Chanhassen	65,000		--		--		65,000
Chaska	92,467		--		--		92,467
Chisholm	--		--		--		--
Cloquet	22,271		--		(22,271)		0
Columbia Heights	133,200		3,130		--		136,330
Coon Rapids	1,060,488		--		--		1,060,488
Corcoran	5,762		19,296		--		25,058
Cottage Grove	458,865		--		--		458,865
Crookston	1,050,364		--		--		1,050,364
Crystal	3,682,636		--		--		3,682,636
Dayton	--		--		--		--
Detroit Lakes	--		--		--		--
Duluth	310,355		35,980		(36,200)		310,135
Eagan	392,508		--		--		392,508
East Bethel	17,200		--		--		17,200
East Grand Forks	121,700		--		--		121,700
Eden Prairie	--		--		--		--
Edina	305,393		--		--		305,393
Elk River	250,867		(12,028)		--		238,839
Fairmont	73,163		--		--		73,163
Falcon Heights	--		--		--		--
Faribault	2,346		--		--		2,346
Farmington	83,865		--		--		83,865

MUNICIPALITY	1982-1996 RIGHT-OF-WAY EXPENDITURES	1997 RIGHT-OF-WAY EXPENDITURES	1982 EXPIRED RIGHT-OF-WAY EXPENDITURES	=	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1999 APPORTIONMENT
Fergus Falls	\$67,200	--	--	--	\$67,200
Forest Lake	64,783	--	--	--	64,783
Fridley	95,081	--	--	--	95,081
Glencoe	--	--	--	--	--
Golden Valley	419,693	--	--	--	419,693
Grand Rapids	--	--	--	--	--
Ham Lake	131,576	--	--	--	131,576
Hastings	--	--	--	--	--
Hermantown	129,858	--	--	--	129,858
Hibbing	205,360	--	(\$14,000)	--	191,360
Hopkins	--	\$1,000	--	--	1,000
Hugo	--	--	--	--	--
Hutchinson	175,000	166,250	--	--	341,250
International Falls	--	--	--	--	--
Inver Grove Heights	1,127,132	--	--	--	1,127,132
Lake Elmo	106,951	--	--	--	106,951
Lakeville	712,328	--	--	--	712,328
Lino Lakes	64,950	--	--	--	64,950
Litchfield	--	--	--	--	--
Little Canada	--	--	--	--	--
Little Falls	407,923	--	--	--	407,923
Mahtomedi	--	--	--	--	--
Mankato	433,175	--	--	--	433,175
Maple Grove	1,366,419	1,181,828	--	--	2,548,247
Maplewood	--	--	--	--	--
Marshall	14,443	--	--	--	14,443
Mendota Heights	8,970	--	--	--	8,970
Minneapolis	7,849,353	363,325	--	--	8,212,678
Minnetonka	700,480	502,836	(71,450)	--	1,131,866
Montevideo	17,121	--	--	--	17,121
Monticello	149,510	--	--	--	149,510
Moorhead	400,308	2,376	--	--	402,684
Morris	2,379	--	--	--	2,379
Mound	595,641	814,325	--	--	1,409,966
Mounds View	--	--	--	--	--
New Brighton	--	--	--	--	--
New Hope	183,000	--	--	--	183,000
New Ulm	--	--	--	--	--
North Branch	--	--	--	--	--
North Mankato	395,146	--	--	--	395,146
North St. Paul	78,068	--	--	--	78,068
Northfield	8,850	--	--	--	8,850
Oak Grove	54,551	--	--	--	54,551
Oakdale	233,629	--	--	--	233,629
Orono	29,164	1,000	--	--	30,164



MUNICIPALITY	1982-1996 RIGHT-OF-WAY EXPENDITURES	+	1997 RIGHT-OF-WAY EXPENDITURES	-	1982 EXPIRED RIGHT-OF-WAY EXPENDITURES	=	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1999 APPORTIONMENT
Otsego	\$8,900		--		--		\$8,900
Owatonna	--		--		--		--
Plymouth	200,901		--		--		200,901
Prior Lake	281,025		--		--		281,025
Ramsey	171,648		--		(\$18,377)		153,271
Red Wing	72,851		--		--		72,851
Redwood Falls	--		--		--		--
Richfield	3,613,615		--		(1,152,857)		2,460,758
Robbinsdale	--		--		--		--
Rochester	3,616,427		\$14,586		--		3,631,013
Rosemount	--		--		--		--
Roseville	1,660,726		(21,916)		--		1,638,810
St. Anthony	--		--		--		--
St. Cloud	1,489,274		--		--		1,489,274
St. Louis Park	302,905		48,096		--		351,001
St. Michael	--		--		--		--
St. Paul	4,511,685		839,565		--		5,351,250
St. Paul Park	--		--		--		--
St. Peter	26,182		--		--		26,182
Sartell	115,505		--		--		115,505
Sauk Rapids	3,944		33,625		--		37,569
Savage	--		--		--		--
Shakopee	--		--		--		--
Shoreview	14,945		787		--		15,732
Shorewood	--		--		--		--
South St. Paul	--		--		--		--
Spring Lake Park	129,350		3,294		--		132,644
Stewartville	--		--		--		--
Stillwater	19,061		--		--		19,061
Thief River Falls	70,642		--		--		70,642
Vadnais Heights	--		--		--		--
Virginia	--		--		--		--
Waite Park	28,764		--		--		28,764
Waseca	5,000		--		--		5,000
West St. Paul	--		--		--		--
White Bear Lake	279,823		--		--		279,823
Willmar	130,000		--		--		130,000
Winona	--		--		--		--
Woodbury	369,615		--		--		369,615
Worthington	26,842		--		--		26,842
<b>TOTAL</b>	<b>\$52,647,487</b>		<b>\$8,807,961</b>		<b>(\$1,344,129)</b>		<b>\$60,111,319</b>

**TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE**

The following tabulation shows the Trunk Highway Turnback Maintenance allowance for the 1998 Apportionment. All turnbacks eligible for maintenance payments are included in this tabulation as of December 31, 1997. The total turnback maintenance apportionment has been computed in accordance with the 1967 Screening Board Resolution. (See Trunk Highway Turnback resolution.) Maintenance allowance was computed for streets that had turnback projects let in 1997.

Msas Route No.	Date of Release	Project Number	Plan Approved	Total Mileage	Miles Const.	Miles Eligible for TB Maint.	Date of MSAS Designation	Maintenance Allowance Eligible Miles X \$7,200	Total Turnback Maintenance Allocation
<b>Brooklyn Park</b>									
139 (TH 252)	7-15-94		No	2.94	0.00	2.94	12-94	\$21,168	<b>\$21,168</b>
<b>Cambridge</b>									
113 (TH 65)	11-1-94		No	2.15	0.00	2.15	12-94	15,480	<b>15,480</b>
<b>Chanhasen</b>									
113 & 119 (TH101)	10-31-97		No	0.60	0.00	0.60	7-98	4,320	<b>4,320</b>
<b>Chisholm</b>									
248 (TH 169)	12-30-94	111-248-01	Yes	0.72	0.45	0.27	12-94	1,944	<b>1,944</b>
<b>Cloquet</b>									
146 (TH 45)	11-15-94	112-146-02	Yes	1.06	1.06	0.00	11-94	0	
			No	0.66	0.00	0.66	11-94	<u>4,752</u>	
								4,752	<b>4,752</b>
<b>Duluth</b>									
(TH 23)	12-15-95		No	14.61	0.00	14.61	2-1-96	105,192	
(TH 61)	12-15-95		No	1.79	0.00	1.79	2-1-96	12,888	
(TH 194)	12-15-95	Constructed	No	<u>0.95</u>	<u>0.95</u>	<u>0.00</u>	2-1-96	0	
				17.35	0.95	16.40		118,080	<b>118,080</b>
<b>Fergus Falls</b>									
104 (TH 59)	11-1-94	126-104-02	Yes	0.79	0.79	0.00	11-94	0	
			No	1.76	0.00	1.76		12,672	
109 (TH 210)	11-1-94	126-109-08	Yes	0.00	0.00	0.00	11-94	0	
		126-109-10							
		signal	No	2.11	0.00	2.11		15,192	
132 (TH 59)	11-1-94		No	<u>1.40</u>	<u>0.00</u>	<u>1.40</u>	11-94	<u>10,080</u>	
				6.06	0.79	5.27		37,944	<b>37,944</b>
<b>Hibbing</b>									
175 & 226 (TH 73)	6-91	131-175-02	No	2.72	2.44	0.28	7-91	2,016	<b>2,016</b>
		131-226-02							
<b>Lino Lakes</b>									
113 (TH 49)	11-1-96		No	0.28	0.00	0.28	01-97	2,016	<b>2,016</b>
<b>St. Cloud</b>									
115,131,145 (TH15)	10-90	162-115-08	Yes	0.13		0.13	12-90	936	
		162-131-04	Yes	0.23		0.23	12-90	1,656	
		162-145-01	Yes	1.80	1.11	0.69	12-90	4,968	
		162-145-02	Yes	<u>0.17</u>		<u>0.17</u>	12-90	<u>1,224</u>	
				2.33	1.11	1.22		8,784	<b>8,784</b>
<b>Virginia</b>									
225 (TH 135)	6-1-96		No	2.35	0.00	2.35	08-96	16,920	<b>16,920</b>
<b>Willmar</b>									
153 (TH 71)	6-91		No	4.47	3.86	0.61	08-96	4,392	<b>4,392</b>
<b>TOTAL</b>				<b>43.69</b>	<b>10.66</b>	<b>33.03</b>			<b>\$237,816</b>

October 28, 1998

James N. Denn, Commissioner  
Minnesota Department of Transportation  
Mail Stop 100  
State Transportation Building  
St. Paul, Minnesota 55155

Dear Commissioner Denn:

We, the undersigned, as members of the 1998 Municipal Screening Board, having reviewed all information available in relation to the 25 year money needs of the Municipal State Aid Street System, do hereby submit our findings as required by Minnesota Statutes.

We recommend that these findings be modified as required by Screening Board Resolutions, and that any new municipalities that become eligible for State Aid by special census, incorporation, annexation or population estimates have their mileage and resulting money needs established and included in our findings.

This Board, therefore, recommends that the money needs, as listed on the attached, be modified as required and used as the basis for apportioning to the urban municipalities the 1999 Apportionment Sum as provided by Minnesota Statutes, Chapter 162.13, Subdivision 1.

Respectfully submitted,

-----  
John Rodeberg  
Chairman

-----  
Ken Ashfeld  
Vice Chairman

-----  
Dave Halter  
Secretary

Approved by:

-----  
Dave Salo  
District 1

-----  
Dave Kildahl  
District 2

-----  
Terry Wotzka  
District 3

-----  
Tim Schoonhoven  
District 4

-----  
Jack Bittle  
Metro-West

-----  
Dave Olson  
District 6

-----  
Larry Read  
District 7

-----  
Daniel Sarff  
District 8

-----  
Dave Jessup  
Metro-East

-----  
Mark Winson  
Duluth

-----  
Ramankutty Kannankutty  
Minneapolis

-----  
Ed Warn  
Saint. Paul

Attachment: Money Needs Listing

## 1998 ADJUSTED CONSTRUCTION NEEDS RECOMMENDATIONS

Municipality	Adjusted Construction Needs	Municipality	Adjusted Construction Needs
Albert Lea	\$10,551,525	Farmington	\$11,891,577
Alexandria	7,832,173	Fergus Falls	11,260,754
Andover	16,499,259	Forest Lake	4,049,781
Anoka	6,085,668	Fridley	8,124,483
Apple Valley	17,707,651	Glencoe	5,548,632
Arden Hills	4,742,467	Golden Valley	14,161,322
Austin	21,801,921	Grand Rapids	8,229,231
Baxter	4,182,218	Ham Lake	9,530,688
Bemidji	7,565,618	Hastings	6,200,958
Blaine	19,528,521	Hermantown	4,657,086
Bloomington	71,386,348	Hibbing	25,795,326
Brainerd	6,727,134	Hopkins	7,623,744
Brooklyn Center	15,721,934	Hugo	7,750,150
Brooklyn Park	20,605,530	Hutchinson	10,669,054
Buffalo	8,732,632	International Falls	4,528,272
Burnsville	25,506,715	Inver Grove Heights	15,261,216
Cambridge	5,250,721	Lake Elmo	4,368,956
Champlin	6,997,742	Lakeville	30,403,502
Chanhassen	10,291,086	Lino Lakes	13,247,335
Chaska	9,777,486	Litchfield	4,995,668
Chisholm	4,244,548	Little Canada	6,303,951
Cloquet	12,886,917	Little Falls	9,763,941
Columbia Heights	7,023,626	Mahtomedi	3,652,836
Coon Rapids	21,598,469	Mankato	23,070,014
Corcoran	5,822,132	Maple Grove	32,918,919
Cottage Grove	19,419,778	Maplewood	15,898,365
Crookston	15,722,763	Marshall	7,790,100
Crystal	15,375,681	Mendota Heights	5,934,921
Dayton	6,915,217	Minneapolis	216,942,604
Detroit Lakes	6,441,611	Minnetonka	26,291,892
Duluth	74,077,232	Montevideo	4,253,918
Eagan	22,828,349	Monticello	4,695,006
East Bethel	8,364,799	Moorhead	25,510,875
East Grand Forks	6,302,703	Morris	3,157,665
Eden Prairie	27,636,523	Mound	5,307,864
Edina	19,962,776	Mounds View	5,090,779
Elk River	17,970,151	New Brighton	7,707,823
Fairmont	18,252,357	New Hope	11,468,301
Falcon Heights	603,171	New Ulm	9,525,230
Faribault	16,089,430	North Branch	9,277,044

Adjusted Construction Needs		Adjusted Construction Needs	
Municipality		Municipality	
North Mankato	\$9,410,165	Sartell	\$4,707,643
North St. Paul	5,417,186	Sauk Rapids	5,382,786
Northfield	7,969,708	Savage	13,714,226
Oak Grove	7,363,087	Shakopee	9,951,011
Oakdale	10,137,172	Shoreview	7,213,008
Orono	9,374,334	Shorewood	4,387,902
Otsego	8,396,151	South St. Paul	7,222,365
Owatonna	12,735,161	Spring Lake Park	1,853,384
Plymouth	30,009,114	Stewartville	2,585,734
Prior Lake	8,923,449	Stillwater	6,987,592
Ramsey	13,824,631	Thief River Falls	12,028,416
Red Wing	17,371,320	Vadnais Heights	2,991,582
Redwood Falls	5,250,955	Virginia	6,958,517
Richfield	15,934,618	Waite Park	5,694,326
Robbinsdale	5,064,523	Waseca	4,146,521
Rochester	45,877,795	West St. Paul	5,665,104
Rosemount	13,393,996	White Bear Lake	10,150,669
Roseville	19,938,841	Willmar	11,429,900
St. Anthony	4,079,581	Winona	12,396,005
St. Cloud	35,114,549	Woodbury	33,970,663
St. Louis Park	23,728,632	Worthington	7,206,473
St. Michael	815,161		
St. Paul	170,831,070		
St. Paul Park	3,673,314		
St. Peter	8,750,283		
		STATE TOTAL	\$1,945,257,441

# THEORETICAL 1999 M.S.A.S. TOTAL APPORTIONMENT

The following tabulation shows each municipality's tentative construction (money) needs and population apportionment amounts for 1999. The tentative apportionment shown in this summary is for informational purposes only. The actual revenue will be announced in January 1999, when the Commissioner of Transportation determines the annual allotments.

<b>Municipality</b>	<b>Tentative 1999 Appt. Using 1990 Census or 97 Estimate</b>	<b>Tentative Construction Needs Apportionment</b>	<b>Theoretical 1999 Total Apportionment</b>	<b>Distribution Percentage</b>
Albert Lea	\$274,952	\$253,183	\$528,135	0.5629
Alexandria	126,200	187,932	314,132	0.3348
Andover	335,868	395,899	731,767	0.7799
Anoka	267,730	146,025	413,755	0.4410
Apple Valley	639,889	424,894	1,064,783	1.1348
Arden Hills	145,524	113,795	259,319	0.2764
Austin	330,567	523,136	853,703	0.9099
Baxter	75,390	100,352	175,742	0.1873
Bemidji	175,404	181,536	356,940	0.3804
Blaine	658,357	468,585	1,126,942	1.2011
Bloomington	1,311,849	1,712,910	3,024,759	3.2237
Brainerd	197,596	161,417	359,013	0.3826
Brooklyn Center	433,735	377,247	810,982	0.8643
Brooklyn Park	938,414	515,596	1,454,010	1.5497
Buffalo	139,999	209,539	349,538	0.3725
Burnsville	864,526	612,032	1,476,558	1.5737
Cambridge	80,134	141,471	221,605	0.2362
Champlin	304,907	167,910	472,817	0.5039
Chanhassen	254,007	251,254	505,261	0.5385
Chaska	222,475	234,610	457,085	0.4872
Chisholm	79,429	103,792	183,221	0.1953
Cloquet	167,866	313,973	481,839	0.5135
Columbia Heights	283,931	168,531	452,462	0.4822
Coon Rapids	919,811	518,254	1,438,065	1.5327
Corcoran	85,555	139,702	225,257	0.2401
Cottage Grove	451,858	465,976	917,834	0.9782
Crookston	121,906	377,267	499,173	0.5320
Crystal	357,174	368,938	726,112	0.7739
Dayton	76,906	165,930	242,836	0.2588
Detroit Lakes	109,849	154,566	264,415	0.2818
Duluth	1,283,666	1,895,558	3,179,224	3.3883
Eagan	886,193	547,765	1,433,958	1.5283
East Bethel	145,990	200,713	346,703	0.3695
East Grand Forks	135,855	151,233	287,088	0.3060
Eden Prairie	740,038	663,136	1,403,174	1.4955
Edina	707,396	479,005	1,186,401	1.2644
Elk River	220,223	431,192	651,415	0.6943
Fairmont	170,254	437,964	608,218	0.6482
Falcon Heights	80,915	14,473	95,388	0.1017
Faribault	285,523	386,065	671,588	0.7158

<b>Municipality</b>	<b>Tentative 1999 Appt. Using 1990 Census or 97 Estimate</b>	<b>Tentative Construction Needs Apportionment</b>	<b>Theoretical 1999 Total Apportionment</b>	<b>Distribution Percentage</b>
Farmington	\$146,590	\$285,338	\$431,928	0.4603
Fergus Falls	198,452	308,145	506,597	0.5399
Forest Lake	100,465	97,174	197,639	0.2106
Fridley	426,708	194,946	621,654	0.6625
Glencoe	78,783	133,139	211,922	0.2259
Golden Valley	315,102	339,800	654,902	0.6980
Grand Rapids	126,635	197,460	324,095	0.3454
Ham Lake	173,677	228,688	402,365	0.4288
Hastings	259,277	148,792	408,069	0.4349
Hermantown	107,837	111,746	219,583	0.2340
Hibbing	270,958	620,973	891,931	0.9506
Hopkins	248,631	182,931	431,562	0.4599
Hugo	87,387	185,964	273,351	0.2913
Hutchinson	191,334	256,003	447,337	0.4768
International Falls	124,638	108,656	233,294	0.2486
Inver Grove Heights	419,170	366,192	785,362	0.8370
Lake Elmo	95,014	104,833	199,847	0.2130
Lakeville	560,100	729,530	1,289,630	1.3745
Lino Lakes	218,617	319,885	538,502	0.5739
Litchfield	94,263	119,871	214,134	0.2282
Little Canada	143,602	151,263	294,865	0.3143
Little Falls	114,909	234,285	349,194	0.3722
Mahtomedi	106,561	87,650	194,211	0.2070
Mankato	478,224	553,563	1,031,787	1.0997
Maple Grove	693,402	789,887	1,483,289	1.5809
Maplewood	522,082	381,480	903,562	0.9630
Marshall	188,317	186,923	375,240	0.3999
Mendota Heights	165,028	142,408	307,436	0.3277
Minneapolis	5,531,223	5,205,522	10,736,745	11.4430
Minnetonka	783,416	630,872	1,414,288	1.5073
Montevideo	82,822	102,072	184,894	0.1971
Monticello	101,335	112,656	213,991	0.2281
Moorhead	507,683	612,132	1,119,815	1.1935
Morris	86,170	75,768	161,938	0.1726
Mound	146,275	127,362	273,637	0.2916
Mounds View	193,001	122,153	315,154	0.3359
New Brighton	341,859	184,949	526,808	0.5615
New Hope	328,120	275,181	603,301	0.6430
New Ulm	210,223	228,557	438,780	0.4676
North Branch	91,275	222,602	313,877	0.3345
North Mankato	175,419	225,796	401,215	0.4276
North St. Paul	191,890	129,985	321,875	0.3430
Northfield	241,004	191,233	432,237	0.4607
Oak Grove	96,636	176,677	273,313	0.2913
Oakdale	381,663	243,241	624,904	0.6660

<b>Municipality</b>	<b>Tentative 1999 Appt. Using 1990 Census or 97 Estimate</b>	<b>Tentative Construction Needs Apportionment</b>	<b>Theoretical 1999 Total Apportionment</b>	<b>Distribution Percentage</b>
Orono	\$115,179	\$224,936	\$340,115	0.3625
Otsego	96,816	201,465	298,281	0.3179
Owatonna	314,111	305,579	619,690	0.6605
Plymouth	925,216	720,067	1,645,283	1.7535
Prior Lake	214,998	214,118	429,116	0.4573
Ramsey	260,838	331,721	592,559	0.6315
Red Wing	237,115	416,824	653,939	0.6970
Redwood Falls	78,032	125,996	204,028	0.2174
Richfield	536,181	382,350	918,531	0.9789
Robbinsdale	216,154	121,523	337,677	0.3599
Rochester	1,175,409	1,100,834	2,276,243	2.4260
Rosemount	191,770	321,388	513,158	0.5469
Roseville	513,418	478,431	991,849	1.0571
St. Anthony	126,500	97,889	224,389	0.2391
St. Cloud	888,910	851,355	1,740,265	1.8547
St. Louis Park	660,159	569,367	1,229,526	1.3104
St. Michael	109,038	195,597	304,635	0.3247
St. Paul	4,087,573	4,099,079	8,186,652	8.7251
St. Paul Park	75,435	88,141	163,576	0.1743
St. Peter	146,966	209,962	356,928	0.3804
Sartell	121,650	112,960	234,610	0.2500
Sauk Rapids	142,011	129,160	271,171	0.2890
Savage	240,268	329,072	569,340	0.6068
Shakopee	229,893	238,774	468,667	0.4995
Shoreview	396,062	173,076	569,138	0.6066
Shorewood	104,428	105,287	209,715	0.2235
South St. Paul	304,562	173,300	477,862	0.5093
Spring Lake Park	106,020	44,472	150,492	0.1604
Stewartville	76,741	62,044	138,785	0.1479
Stillwater	241,274	167,667	408,941	0.4358
Thief River Falls	125,119	288,621	413,740	0.4410
Vadnais Heights	196,229	71,783	268,012	0.2856
Virginia	141,605	183,889	325,494	0.3469
Waite Park	91,396	136,635	228,031	0.2430
Waseca	131,230	99,495	230,725	0.2459
West St. Paul	292,730	135,934	428,664	0.4569
White Bear Lake	392,669	243,565	636,234	0.6781
Willmar	282,745	278,652	561,397	0.5983
Winona	400,641	297,441	698,082	0.7440
Woodbury	536,330	815,123	1,351,453	1.4403
Worthington	157,070	172,918	329,988	0.3517
<b>TOTAL</b>	<b>\$46,914,129</b>	<b>\$46,914,129</b>	<b>\$93,828,258</b>	<b>100.0000</b>



## COMPARISON OF THE 1998 TO ESTIMATED 1999 APPORTIONMENT

Municipality	1998 Total Apportionment	Estimated 1999 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Albert Lea	\$547,890	\$528,135	(\$19,755)	-3.6057
Alexandria	325,892	314,132	(11,760)	-3.6086
Andover	731,467	731,767	300	0.0410
Anoka	422,941	413,755	(9,186)	-2.1719
Apple Valley	1,080,075	1,064,783	(15,292)	-1.4158
Arden Hills	252,473	259,319	6,846	2.7116
Austin	802,418	853,703	51,285	6.3913
Baxter	0	175,742	175,742	
Bemidji	382,367	356,940	(25,427)	-6.6499
Blaine	1,103,788	1,126,942	23,154	2.0977
Bloomington	3,258,883	3,024,759	(234,124)	-7.1842
Brainerd	351,649	359,013	7,364	2.0941
Brooklyn Center	843,705	810,982	(32,723)	-3.8785
Brooklyn Park	1,461,274	1,454,010	(7,264)	-0.4971
Buffalo	298,263	349,538	51,275	17.1912
Burnsville	1,507,179	1,476,558	(30,621)	-2.0317
Cambridge	226,340	221,605	(4,735)	-2.0920
Champlin	471,686	472,817	1,131	0.2398
Chanhassen	537,332	505,261	(32,071)	-5.9686
Chaska	444,419	457,085	12,666	2.8500
Chisholm	188,198	183,221	(4,977)	-2.6446
Cloquet	479,210	481,839	2,629	0.5486
Columbia Heights	466,957	452,462	(14,495)	-3.1041
Coon Rapids	1,330,757	1,438,065	107,308	8.0637
Corcoran	231,197	225,257	(5,940)	-2.5692
Cottage Grove	910,485	917,834	7,349	0.8072
Crookston	455,642	499,173	43,531	9.5538
Crystal	765,015	726,112	(38,903)	-5.0853
Dayton	241,356	242,836	1,480	0.0000
Detroit Lakes	206,666	264,415	57,749	27.9432
Duluth	3,202,810	3,179,224	(23,586)	-0.7364
Eagan	1,443,574	1,433,958	(9,616)	-0.6661
East Bethel	343,100	346,703	3,603	1.0501
East Grand Forks	266,627	287,088	20,461	7.6740
Eden Prairie	1,333,783	1,403,174	69,391	5.2026
Edina	1,238,073	1,186,401	(51,672)	-4.1736
Elk River	608,427	651,415	42,988	7.0654
Fairmont	648,707	608,218	(40,489)	-6.2415
Falcon Heights	94,710	95,388	678	0.7159
Faribault	669,170	671,588	2,418	0.3613

<b>Municipality</b>	<b>1998 Total Apportionment</b>	<b>Estimated 1999 Total Apportionment</b>	<b>Increase (Decrease) Amount</b>	<b>% Increase Decrease</b>
Farmington	\$354,549	\$431,928	\$77,379	21.8246
Fergus Falls	518,106	506,597	(11,509)	-2.2214
Forest Lake	200,735	197,639	(3,096)	-1.5423
Fridley	621,940	621,654	(286)	-0.0460
Glencoe	211,579	211,922	343	0.1621
Golden Valley	677,013	654,902	(22,111)	-3.2660
Grand Rapids	303,218	324,095	20,877	6.8851
Ham Lake	384,379	402,365	17,986	4.6792
Hastings	406,139	408,069	1,930	0.4752
Hermantown	225,065	219,583	(5,482)	-2.4357
Hibbing	908,173	891,931	(16,242)	-1.7884
Hopkins	455,311	431,562	(23,749)	-5.2160
Hugo	280,350	273,351	(6,999)	-2.4965
Hutchinson	453,933	447,337	(6,596)	-1.4531
International Falls	240,649	233,294	(7,355)	-3.0563
Inver Grove Heights	715,331	785,362	70,031	9.7900
Lake Elmo	161,458	199,847	38,389	23.7765
Lakeville	1,290,224	1,289,630	(594)	-0.0460
Lino Lakes	525,103	538,502	13,399	2.5517
Litchfield	230,763	214,134	(16,629)	-7.2061
Little Canada	303,857	294,865	(8,992)	-2.9593
Little Falls	348,031	349,194	1,163	0.3342
Mahtomedi	176,911	194,211	17,300	9.7789
Mankato	1,102,466	1,031,787	(70,679)	-6.4110
Maple Grove	1,474,608	1,483,289	8,681	0.5887
Maplewood	850,636	903,562	52,926	6.2219
Marshall	404,550	375,240	(29,310)	-7.2451
Mendota Heights	311,764	307,436	(4,328)	-1.3882
Minneapolis	11,123,635	10,736,745	(386,890)	-3.4781
Minnetonka	1,432,618	1,414,288	(18,330)	-1.2795
Montevideo	184,721	184,894	173	0.0937
Monticello	175,040	213,991	38,951	22.2526
Moorhead	1,090,947	1,119,815	28,868	2.6461
Morris	149,052	161,938	12,886	8.6453
Mound	264,880	273,637	8,757	3.3060
Mounds View	315,574	315,154	(420)	-0.1331
New Brighton	528,766	526,808	(1,958)	-0.3703
New Hope	580,471	603,301	22,830	3.9330
New Ulm	442,407	438,780	(3,627)	-0.8198
North Branch	347,087	313,877	(33,210)	-9.5682
North Mankato	389,985	401,215	11,230	2.8796
North St. Paul	335,098	321,875	(13,223)	-3.9460
Northfield	439,963	432,237	(7,726)	-1.7561
Oak Grove	289,573	273,313	(16,260)	-5.6152
Oakdale	627,648	624,904	(2,744)	-0.4372

<b>Municipality</b>	<b>1998 Total Apportionment</b>	<b>Estimated 1999 Total Apportionment</b>	<b>Increase (Decrease) Amount</b>	<b>% Increase Decrease</b>
Orono	\$344,321	\$340,115	(\$4,206)	-1.2215
Otsego	308,003	298,281	(9,722)	-3.1565
Owatonna	606,843	619,690	12,847	2.1170
Plymouth	1,616,111	1,645,283	29,172	1.8051
Prior Lake	427,921	429,116	1,195	0.2793
Ramsey	598,079	592,559	(5,520)	-0.9230
Red Wing	674,828	653,939	(20,889)	-3.0955
Redwood Falls	206,246	204,028	(2,218)	-1.0754
Richfield	969,948	918,531	(51,417)	-5.3010
Robbinsdale	361,513	337,677	(23,836)	-6.5934
Rochester	2,294,093	2,276,243	(17,850)	-0.7781
Rosemount	525,289	513,158	(12,131)	-2.3094
Roseville	980,668	991,849	11,181	1.1401
St. Anthony	219,293	224,389	5,096	2.3238
St. Cloud	1,776,696	1,740,265	(36,431)	-2.0505
St. Louis Park	1,143,680	1,229,526	85,846	7.5061
St. Michael	323,603	304,635	(18,968)	-5.8615
St. Paul	7,980,566	8,186,652	206,086	2.5823
St. Paul Park	168,002	163,576	(4,426)	0.0000
St. Peter	336,532	356,928	20,396	6.0606
Sartell	210,956	234,610	23,654	11.2128
Sauk Rapids	276,557	271,171	(5,386)	-1.9475
Savage	563,388	569,340	5,952	1.0565
Shakopee	469,540	468,667	(873)	-0.1859
Shoreview	554,422	569,138	14,716	2.6543
Shorewood	212,861	209,715	(3,146)	-1.4780
South St. Paul	476,288	477,862	1,574	0.3305
Spring Lake Park	146,519	150,492	3,973	2.7116
Stewartville	142,199	138,785	(3,414)	0.0000
Stillwater	390,900	408,941	18,041	4.6152
Thief River Falls	433,685	413,740	(19,945)	-4.5990
Vadnais Heights	245,225	268,012	22,787	9.2923
Virginia	341,211	325,494	(15,717)	-4.6062
Waite Park	199,527	228,031	28,504	14.2858
Waseca	210,810	230,725	19,915	9.4469
West St. Paul	452,787	428,664	(24,123)	-5.3277
White Bear Lake	678,161	636,234	(41,927)	-6.1825
Willmar	576,222	561,397	(14,825)	-2.5728
Winona	706,866	698,082	(8,784)	-1.2427
Woodbury	1,359,262	1,351,453	(7,809)	-0.5745
Worthington	289,826	329,988	40,162	13.8573
<b>TOTAL</b>	<b>\$93,828,258</b>	<b>\$93,828,258</b>	<b>\$0</b>	<b>0.0000</b>

**TENTATIVE 1999 APPORTIONMENT RANKINGS**

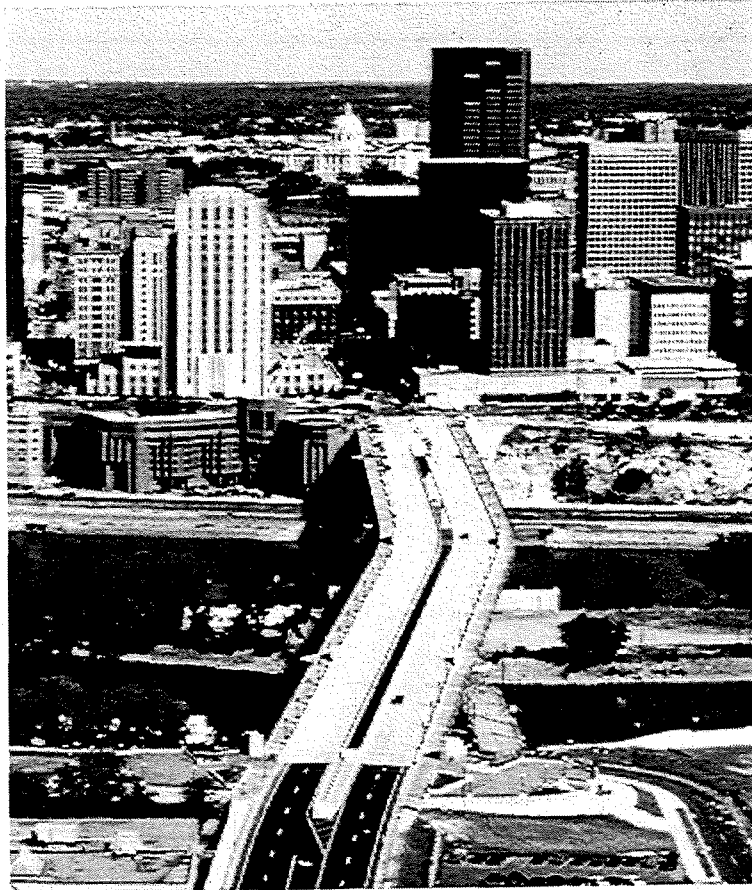
Rankings are from highest apportionment per Needs mile to lowest. Bridges in some cities increases the costs.

<b>Municipality</b>	<b>1998 Total Needs Mileage</b>	<b>1999 Tentative Population Apportionment Per Need Mile</b>	<b>Municipality</b>	<b>1998 Total Needs Mileage</b>	<b>1999 Tentative Money Needs Apportionment Per Need Mile</b>	<b>Municipality</b>	<b>1998 Total Needs Mileage</b>	<b>1999 Tentative Total Apportionment Per Need Mile</b>
Falcon Heights	2.54	\$31,856	Crookston	11.46	\$32,920	Minneapolis	194.41	\$55,227
Minneapolis	194.41	28,451	Minneapolis	194.41	26,776	St. Paul	164.32	49,821
Hopkins	9.31	26,706	St. Paul	164.32	24,946	New Hope	12.70	47,504
Vadnais Heights	7.43	26,410	Farmington	11.96	23,858	Hopkins	9.31	46,355
New Hope	12.70	25,836	Bloomington	75.36	22,730	Crookston	11.46	43,558
St. Paul	164.32	24,876	Fairmont	19.41	22,564	St. Louis Park	28.92	42,515
Shoreview	16.75	23,645	Buffalo	9.46	22,150	Crystal	17.88	40,610
New Brighton	14.95	22,867	New Hope	12.70	21,668	Bloomington	75.36	40,137
St. Louis Park	28.92	22,827	Moorhead	28.48	21,493	St. Anthony	5.63	39,856
Oakdale	16.72	22,827	Waite Park	6.45	21,184	Moorhead	28.48	39,319
Columbia Heights	12.53	22,660	Crystal	17.88	20,634	Stewartville	3.54	39,205
St. Anthony	5.63	22,469	Thief River Falls	13.99	20,631	Maplewood	23.91	37,790
Coon Rapids	40.97	22,451	Woodbury	40.16	20,297	Rochester	60.48	37,636
Anoka	11.98	22,348	Savage	16.36	20,114	Falcon Heights	2.54	37,554
West St. Paul	13.10	22,346	St. Louis Park	28.92	19,688	Brooklyn Center	21.65	37,459
Maplewood	23.91	21,835	Hopkins	9.31	19,649	Oakdale	16.72	37,375
Stewartville	3.54	21,678	Glencoe	6.94	19,184	Buffalo	9.46	36,949
Robbinsdale	10.10	21,401	Austin	27.64	18,927	Little Canada	8.01	36,812
Richfield	26.22	20,449	Little Canada	8.01	18,884	Farmington	11.96	36,114
Waseca	6.42	20,441	Mankato	29.32	18,880	Columbia Heights	12.53	36,110
White Bear Lake	19.22	20,430	Maple Grove	41.99	18,811	Vadnais Heights	7.43	36,072
Spring Lake Park	5.25	20,194	Red Wing	22.24	18,742	Waseca	6.42	35,938
Apple Valley	31.74	20,160	Rochester	60.48	18,202	Northfield	12.06	35,841
Brooklyn Park	46.68	20,103	North Mankato	12.56	17,977	Forest Lake	5.53	35,739
Brooklyn Center	21.65	20,034	St. Peter	11.70	17,945	Waite Park	6.45	35,354
Northfield	12.06	19,984	Duluth	105.89	17,901	Maple Grove	41.99	35,325
Crystal	17.88	19,976	Orono	12.58	17,880	Owatonna	17.56	35,290
Burnsville	43.70	19,783	Dayton	9.28	17,880	New Brighton	14.95	35,238
Mounds View	9.82	19,654	Worthington	9.81	17,627	Mankato	29.32	35,191
Arden Hills	7.41	19,639	Forest Lake	5.53	17,572	Coon Rapids	40.97	35,100
Rochester	60.48	19,435	Stewartville	3.54	17,527	Richfield	26.22	35,032
Eagan	46.13	19,211	Faribault	22.06	17,501	Arden Hills	7.41	34,996
Blaine	34.41	19,133	Brooklyn Center	21.65	17,425	Savage	16.36	34,801
South St. Paul	16.32	18,662	Owatonna	17.56	17,402	Roseville	28.60	34,680
Plymouth	50.05	18,486	St. Anthony	5.63	17,387	Anoka	11.98	34,537
Winona	21.75	18,420	Hutchinson	14.73	17,380	Mound	8.05	33,992
Mound	8.05	18,171	Grand Rapids	11.40	17,321	Shoreview	16.75	33,978
Forest Lake	5.53	18,167	Lino Lakes	18.67	17,134	Burnsville	43.70	33,789

1998			1999			1998			1999		
Total			Tentative			Total			Tentative		
Needs			Population			Needs			Total		
Mileage			Apportionment			Mileage			Apportionment		
Municipality			Per Need Mile			Municipality			Municipality		
Edina	39.36		\$17,972			Lakeville	43.59	\$16,736	Woodbury	40.16	\$33,652
North St. Paul	10.68		17,967			Roseville	28.60	16,728	Worthington	9.81	33,638
Roseville	28.60		17,952			Elk River	25.78	16,726	Apple Valley	31.74	33,547
Little Canada	8.01		17,928			St. Paul Park	5.30	16,630	Robbinsdale	10.10	33,433
Champlin	17.01		17,925			St. Cloud	52.22	16,303	St. Cloud	52.22	33,326
Owatonna	17.56		17,888			New Ulm	14.16	16,141	White Bear Lake	19.22	33,103
Moorhead	28.48		17,826			Redwood Falls	7.87	16,010	Inver Grove Heights	23.86	32,915
Inver Grove Heights	23.86		17,568			Maplewood	23.91	15,955	Eden Prairie	42.66	32,892
Bloomington	75.36		17,408			Northfield	12.06	15,857	Plymouth	50.05	32,873
Eden Prairie	42.66		17,347			Cottage Grove	29.41	15,844	Blaine	34.41	32,750
Stillwater	14.02		17,206			Mound	8.05	15,821	West St. Paul	13.10	32,722
St. Cloud	52.22		17,022			Chaska	14.87	15,777	Winona	21.75	32,096
Fridley	25.24		16,906			Cloquet	20.12	15,605	Mounds View	9.82	32,093
Maple Grove	41.99		16,514			Eden Prairie	42.66	15,545	North Mankato	12.56	31,944
Mankato	29.32		16,311			Waseca	6.42	15,498	Fairmont	19.41	31,335
Hastings	16.09		16,114			Cambridge	9.21	15,361	Cottage Grove	29.41	31,208
Worthington	9.81		16,011			Arden Hills	7.41	15,357	Brooklyn Park	46.68	31,148
Sartell	7.72		15,758			Inver Grove Heights	23.86	15,348	Eagan	46.13	31,085
Minnetonka	49.90		15,700			Little Falls	15.67	14,951	New Ulm	14.16	30,987
International Falls	8.06		15,464			Virginia	12.33	14,914	Austin	27.64	30,887
Cottage Grove	29.41		15,364			Litchfield	8.09	14,817	St. Paul Park	5.30	30,863
Chaska	14.87		14,961			Otsego	13.61	14,803	Chaska	14.87	30,739
New Ulm	14.16		14,846			Sartell	7.72	14,632	Glencoe	6.94	30,536
Buffalo	9.46		14,799			Richfield	26.22	14,582	St. Peter	11.70	30,507
Savage	16.36		14,686			Oakdale	16.72	14,548	Faribault	22.06	30,444
Albert Lea	18.74		14,672			Monticello	7.80	14,443	Sartell	7.72	30,390
St. Paul Park	5.30		14,233			Golden Valley	23.55	14,429	Hutchinson	14.73	30,369
Prior Lake	15.14		14,201			Rosemount	22.32	14,399	Edina	39.36	30,142
Waite Park	6.45		14,170			Plymouth	50.05	14,387	North St. Paul	10.68	30,138
North Mankato	12.56		13,966			Prior Lake	15.14	14,143	Duluth	105.89	30,024
Sauk Rapids	10.17		13,964			Burnsville	43.70	14,005	Lakeville	43.59	29,585
Brainerd	14.25		13,866			Winona	21.75	13,675	Thief River Falls	13.99	29,574
Golden Valley	23.55		13,380			Blaine	34.41	13,618	Red Wing	22.24	29,404
Woodbury	40.16		13,355			Albert Lea	18.74	13,510	South St. Paul	16.32	29,281
Monticello	7.80		12,992			International Falls	8.06	13,481	Stillwater	14.02	29,162
Hutchinson	14.73		12,989			Columbia Heights	12.53	13,450	International Falls	8.06	28,945
Mahtomedi	8.22		12,964			Apple Valley	31.74	13,387	Lino Lakes	18.67	28,843
Faribault	22.06		12,943			Fergus Falls	23.14	13,317	Spring Lake Park	5.25	28,665
Lakeville	43.59		12,849			Alexandria	14.12	13,310	Grand Rapids	11.40	28,429
Shorewood	8.24		12,673			St. Michael	14.77	13,243	Prior Lake	15.14	28,343
Marshall	14.88		12,656			Chisholm	7.99	12,990	Minnetonka	49.90	28,342
St. Peter	11.70		12,561			Shorewood	8.24	12,778	Albert Lea	18.74	28,182
Farmington	11.96		12,257			Sauk Rapids	10.17	12,700	Golden Valley	23.55	27,809

Municipality	1998	1999	Municipality	1998	1999	Municipality	1998	1999
	Total Needs Mileage	Tentative Population Apportionment Per Need Mile		Total Needs Mileage	Tentative Money Needs Apportionment Per Need Mile		Total Needs Mileage	Tentative Total Apportionment Per Need Mile
Mendota Heights	13.51	\$12,215	White Bear Lake	19.22	\$12,672	Champlin	17.01	\$27,796
Bemidji	14.40	12,181	Hugo	14.69	12,659	Monticello	7.80	27,435
Duluth	105.89	12,123	Coon Rapids	40.97	12,650	Orono	12.58	27,036
Chanhassen	21.19	11,987	Minnetonka	49.90	12,643	Sauk Rapids	10.17	26,664
Austin	27.64	11,960	Bemidji	14.40	12,607	Litchfield	8.09	26,469
Willmar	23.90	11,830	Marshall	14.88	12,562	Virginia	12.33	26,399
Shakopee	19.48	11,801	Detroit Lakes	12.41	12,455	Dayton	9.28	26,168
Lino Lakes	18.67	11,710	Mounds View	9.82	12,439	Redwood Falls	7.87	25,925
Litchfield	8.09	11,652	New Brighton	14.95	12,371	Shorewood	8.24	25,451
Virginia	12.33	11,485	Shakopee	19.48	12,257	Hastings	16.09	25,362
Glencoe	6.94	11,352	Hibbing	50.74	12,238	Elk River	25.78	25,268
Morris	7.74	11,133	Anoka	11.98	12,189	Marshall	14.88	25,218
Grand Rapids	11.40	11,108	North St. Paul	10.68	12,171	Brainerd	14.25	25,194
East Grand Forks	12.48	10,886	Edina	39.36	12,170	Bemidji	14.40	24,788
Red Wing	22.24	10,662	East Grand Forks	12.48	12,118	Fridley	25.24	24,630
Crookston	11.46	10,638	Robbinsdale	10.10	12,032	Cambridge	9.21	24,061
Chisholm	7.99	9,941	Stillwater	14.02	11,957	Shakopee	19.48	24,059
Andover	33.80	9,937	Montevideo	8.58	11,897	Cloquet	20.12	23,948
Redwood Falls	7.87	9,915	Eagan	46.13	11,874	Chanhassen	21.19	23,844
Montevideo	8.58	9,653	Chanhassen	21.19	11,857	Mahtomedi	8.22	23,627
Orono	12.58	9,156	Andover	33.80	11,713	Willmar	23.90	23,489
Thief River Falls	13.99	8,943	Willmar	23.90	11,659	East Grand Forks	12.48	23,004
Ramsey	29.18	8,939	Ramsey	29.18	11,368	Rosemount	22.32	22,991
Alexandria	14.12	8,938	Brainerd	14.25	11,328	Chisholm	7.99	22,931
Detroit Lakes	12.41	8,852	Brooklyn Park	46.68	11,045	Mendota Heights	13.51	22,756
Fairmont	19.41	8,771	Mahtomedi	8.22	10,663	Little Falls	15.67	22,284
Cambridge	9.21	8,701	North Branch	20.89	10,656	Alexandria	14.12	22,247
Rosemount	22.32	8,592	South St. Paul	16.32	10,619	Otsego	13.61	21,916
Fergus Falls	23.14	8,576	Mendota Heights	13.51	10,541	Fergus Falls	23.14	21,893
Elk River	25.78	8,542	West St. Paul	13.10	10,377	Andover	33.80	21,650
Cloquet	20.12	8,343	Shoreview	16.75	10,333	Montevideo	8.58	21,549
Hermantown	12.99	8,302	Champlin	17.01	9,871	Detroit Lakes	12.41	21,307
Dayton	9.28	8,287	Morris	7.74	9,789	Morris	7.74	20,922
Lake Elmo	11.48	8,276	Vadnais Heights	7.43	9,661	St. Michael	14.77	20,625
St. Michael	14.77	7,382	Corcoran	14.72	9,491	Ramsey	29.18	20,307
Little Falls	15.67	7,333	Ham Lake	24.47	9,346	Hugo	14.69	18,608
Otsego	13.61	7,114	Hastings	16.09	9,247	Hibbing	50.74	17,578
Ham Lake	24.47	7,098	Lake Elmo	11.48	9,132	Lake Elmo	11.48	17,408
Hugo	14.69	5,949	Oak Grove	19.50	9,060	Hermantown	12.99	16,904
Baxter	12.76	5,908	Hermantown	12.99	8,602	Ham Lake	24.47	16,443
Corcoran	14.72	5,812	Spring Lake Park	5.25	8,471	Corcoran	14.72	15,303
East Bethel	25.48	5,730	East Bethel	25.48	7,877	North Branch	20.89	15,025
Hibbing	50.74	5,340	Baxter	12.76	7,865	Oak Grove	19.50	14,016
Oak Grove	19.50	4,956	Fridley	25.24	7,724	Baxter	12.76	13,773
North Branch	20.89	4,369	Falcon Heights	2.54	5,698	East Bethel	25.48	13,607
<b>Average</b>		<b>\$15,020</b>			<b>\$14,925</b>			<b>\$29,945</b>

# OTHER



# TOPICS

## NOTES

[illegible]



GUIDELINES FOR ADVANCEMENT OF MUNICIPAL STATE AID CONSTRUCTION  
FROM THE GENERAL MSAS CONSTRUCTION ACCOUNT

The following guidelines which have been recommended by the Municipal Screening Board will be used when Cities request an advance of funds from the General MSAS Construction Account. Such advances shall be repaid from the following year's construction apportionment.

- (1) The maximum Municipal State Aid construction dollars which can be advanced in any one year shall be the difference between the Municipal State Aid construction fund balance at the end of the preceding calendar year and \$30 million. Advanced funding will be granted on a first come-first served basis.
- (2) Municipalities with a total annual MSAS allotment of \$500,000 or more can advance up to the previous year's MSAS allotment with a maximum amount of \$3,000,000. Municipalities with a total annual MSAS allotment of less than \$500,000 can advance up to three times the previous years MSAS allotment, or \$500,000, whichever is less. In either case, the maximum advance must be reduced by any schedule bond principal and interest obligations and advance encumbrance repayments. Any advances made must be repaid by deductions made from the next available allocations.
- (3) Advanced State Aid funding must be requested by City Council Resolution. This resolution need not be project specific, but describes the maximum amount of advances the City Council authorizes for financing of approved Municipal State Aid Street projects in that year. This resolution must be submitted with, or prior to, the first project specific request. Once this resolution is received by SALT Division and the City's construction account balance has reached zero, payments will be made to the City for approved Municipal State Aid Street projects up to the amount requested on the resolution, and subject to the other provisions of these guidelines. The resolution does not reserve funds nor establish the "first come-first served" basis. First come-first served is established by payment requests and/or by the process described in (4).
- (4) Prior to entering into a contract where advanced funding will be required, the City Engineer must submit a Request to Reserve Advanced Funding form. SALT will reserve the funds and return the approved form to the City Engineer provided that:
  - a) the amount requested is within the amount authorized by the City Council Resolution,
  - b) the amount requested is consistent with the other provisions of this guideline, and
  - c) the City intends to approve the contract within the next several weeks; or in the case of a construction project, a completed plan has been submitted for State-Aid approval.

Upon receiving the approved Request to Reserve Advanced Funding, the City Engineer knows that funds have been reserved for the project.

# CITY GENERAL FUND ADVANCES

Fund 250 Genfund

9/8/98

1997 MSAS YEAR END CONSTRUCTION BALANCE AVAILABLE	\$ 48,694,919.25
LESS: AMOUNT REQUIRED IN ACCOUNT	<u>\$ (30,000,000.00)</u>
MAXIMUM AMOUNT FOR ADVANCE IN THE 1998	\$ 18,694,919.25
AMOUNT ADVANCE TO DATE (LISTED BELOW)	\$ 13,223,520.67
BALANCE AVAILABLE TO ADVANCE	<u>\$ 5,471,398.58</u>
Less Requests to Reserve Advance Funding-Not Advanced Yet	\$ -
BALANCE AVAILABLE TO ADVANCE (if all requests to reserve are advanced)	<u>\$ 5,471,398.58</u>

CITY NAME	RESOLUTION AMOUNT	YEAR	REQUEST TO RESERVE ADV FUNDING	ADVANCE AMOUNT	REPAID AMOUNT	BALANCE	COMMENTS
Alexandria	\$ 221,000.00	1998	221,000.00	221,000.00		221,000.00	
Anoka	\$ 307,000.00	1998	307,000.00	307,000.00		307,000.00	
Buffalo	\$ 500,000.00	1998	500,000.00	500,000.00		500,000.00	
Burnsville	\$ 800,000.00	1998	406,070.00	406,070.00		406,070.00	
Corcoran	\$ 495,716.67	1996		495,716.67	289,620.00	206,096.67	
Cottage Grove	\$ 910,485.00	1998		910,485.00		910,485.00	
Dayton	\$ 500,000.00	1998		160,327.00		160,327.00	
Detroit Lakes	\$ 250,000.00	1998		129,668.00		129,668.00	
Duluth	\$ 1,590,000.00	1998	969,015.00	969,015.00		969,015.00	
Eden Prairie	\$ 1,233,783.00	1998		373,931.00		373,931.00	
Elk River	\$ 500,000.00	1998		142,882.00		142,882.00	
Hastings	\$ 500,000.00	1997	500,000.00	500,000.00	304,604.00	195,396.00	
Hastings	\$ 90,000.00	1998	90,000.00	90,000.00		90,000.00	
Hermantown	\$ 340,000.00	1998	340,000.00	340,000.00		340,000.00	
Lakeville	\$ 1,290,224.00	1998		1,290,224.00		1,290,224.00	
Little Falls	\$ 500,000.00	1997	326,500.00	500,000.00	327,046.00	172,954.00	
Mahtomedi	\$ 344,000.00	1998		344,000.00		344,000.00	
Mankato	\$ 1,072,325.50	1998		977,366.00		977,366.00	
Minnnetonka	\$ 1,400,000.00	1997		1,400,000.00	1,362,793.00	37,207.00	
Minnnetonka	\$ 1,300,000.00	1998	1,300,000.00	1,300,000.00		1,300,000.00	
Owatonna	\$ 555,000.00	1998	555,000.00	555,000.00		555,000.00	
Red Wing	\$ 671,000.00	1998		671,000.00		671,000.00	
Sauk Rapids	\$ 400,000.00	1998		125,683.00		125,683.00	
Shoreview	\$ 353,780.00	1998		308,919.00		308,919.00	
Spring Lake Park	\$ 200,109.00	1996		141,147.00	130,373.00	10,774.00	
St. Cloud	\$ 1,000,000.00	1998	1,000,000.00	1,000,000.00		1,000,000.00	
St. Louis Park	\$ 700,000.00	1998	700,000.00	700,000.00		700,000.00	
Vadnais Heights	\$ 115,000.00	1998	115,000.00	115,000.00		115,000.00	
Waite Park	\$ 500,000.00	1998		374,277.00		374,277.00	
White Bear Lake	\$ 450,000.00	1998		182,457.00		182,457.00	
Woodbury	\$ 1,300,000.00	1997	962,672.00	962,672.00	855,883.00	106,789.00	
Woodbury	\$ 1,320,000.00	1998				-	

Resolution Limit  
Limited to \$423,427

# UNIT PRICES BY DISTRICT

1993 thru 1998

		Grading- Cubic Yard										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	76,497	13,143	115,136	2,800	249,606	53,722	29,548	25,989	539,269		1,105,710
	% Total Quantity	6.92%	1.19%	10.41%	0.25%	22.57%	4.86%	2.67%	2.35%	48.77%		100.00%
	Cost	\$4.45	\$3.28	\$2.23	\$3.54	\$2.96	\$4.21	\$2.52	\$3.42	\$2.25	\$2.71	
1994	Quantity	391,146	17,998	57,267	59,379	381,142	170,353	46,624	34,373	325,746		1,484,028
	% Total Quantity	26.36%	1.21%	3.86%	4.00%	25.68%	11.48%	3.14%	2.32%	21.95%		100.00%
	Cost	\$3.19	\$4.02	\$4.32	\$2.62	\$3.72	\$3.14	\$3.63	\$3.60	\$3.06	\$3.35	
1995	Quantity	48,503	19,979	67,883	13,608	614,585	72,471	56,086	3,790	420,902		1,317,807
	% Total Quantity	3.68%	1.52%	5.15%	1.03%	46.64%	5.50%	4.26%	0.29%	31.94%		100.00%
	Cost	\$3.81	\$3.66	\$3.32	\$4.00	\$2.81	\$2.23	\$3.86	\$3.50	\$1.82	\$2.60	
1996	Quantity	85,518	29,732	70,548	16,924	778,845	81,249	19,785	22,586	585,849		1,691,036
	% Total Quantity	5.06%	1.76%	4.17%	1.00%	46.06%	4.80%	1.17%	1.34%	34.64%		100.00%
	Cost	\$3.81	\$4.12	\$4.16	\$3.74	\$2.34	\$2.80	\$3.78	\$2.77	\$2.19	\$2.53	
1998	Quantity	52,042	4,488	46,737	30,861	548,468	75,287	11,692	43,195	106,591		919,379
	% Total Quantity	5.66%	0.49%	5.08%	3.36%	59.66%	8.19%	1.27%	4.70%	11.59%		100.00%
	Cost	\$4.60	\$4.88	\$3.15	\$6.71	\$3.03	\$3.01	\$5.76	\$3.56	\$5.15	\$3.56	

		Aggregate Shoulders- Ton										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	0	180	45	0	450	0	0	0	175		850
	% Total Quantity	0.00%	21.18%	5.29%	0.00%	52.94%	0.00%	0.00%	0.00%	20.59%		
	Cost	\$0.00	\$13.19	\$26.00	\$0.00	\$9.17	\$0.00	\$0.00	\$0.00	\$10.00	\$11.09	
1994	Quantity	257	0	0	350	165	227	0	0	0		999
	% Total Quantity	25.73%	0.00%	0.00%	35.04%	16.52%	22.72%	0.00%	0.00%	0.00%		100.00%
	Cost	\$8.73	\$0.00	\$0.00	\$4.70	\$8.50	\$10.57	\$0.00	\$0.00	\$0.00	\$7.70	
1995	Quantity	0	0	0	0	1,134	960	0	0	2,829		4,923
	% Total Quantity	0.00%	0.00%	0.00%	0.00%	23.03%	19.50%	0.00%	0.00%	57.46%		100.00%
	Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$8.39	\$8.20	\$0.00	\$0.00	\$8.00	\$8.13	
1996	Quantity	2,721	0	0	120	117	0	109	0	0		3,067
	% Total Quantity	88.72%	0.00%	0.00%	3.91%	3.81%	0.00%	3.55%	0.00%	0.00%		100.00%
	Cost	\$8.59	\$0.00	\$0.00	\$10.00	\$18.40	\$0.00	\$14.31	\$0.00	\$0.00	\$9.22	
1998	Quantity	0	0	0	0	25	0	0	0	35		60
	% Total Quantity	0.00%	0.00%	0.00%	0.00%	41.67%	0.00%	0.00%	0.00%	58.33%	0.00%	100.00%
	Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$20.00	\$0.00	\$0.00	\$0.00	\$21.80	\$21.05	

		<b>Curb &amp; Gutter Removal- Lin. Ft.</b>									
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East State Average	Quantity
1993	Quantity	7,398	2,625	11,205	184	21,786	12,384	11,045	7,424	44,742	118,793
	% Total Quantity	6.23%	2.21%	9.43%	0.15%	18.34%	10.42%	9.30%	6.25%	37.66%	100.00%
	Cost	\$1.56	\$1.69	\$1.07	\$5.00	\$1.62	\$1.21	\$1.69	\$2.03	\$1.58	\$1.54
1994	Quantity	9,139	2,033	726	6,140	64,821	12,026	4,133	12,245	20,909	132,172
	% Total Quantity	6.91%	1.54%	0.55%	4.65%	49.04%	9.10%	3.13%	9.26%	15.82%	100.00%
	Cost	\$2.49	\$1.31	\$1.76	\$2.16	\$1.76	\$1.46	\$1.83	\$2.77	\$2.02	\$1.93
1995	Quantity	20,820	7,027	17,267	2,212	95,663	11,752	15,619	2,148	36,669	209,177
	% Total Quantity	9.95%	3.36%	8.25%	1.06%	45.73%	5.62%	7.47%	1.03%	17.53%	100.00%
	Cost	\$1.79	\$1.98	\$1.11	\$2.41	\$1.85	\$2.59	\$1.99	\$3.32	\$1.72	\$1.84
1996	Quantity	14,881	12,243	278	5,470	37,451	20,847	12,255	4,715	34,222	142,362
	% Total Quantity	10.45%	8.60%	0.20%	3.84%	26.31%	14.64%	8.61%	3.31%	24.04%	100.00%
	Cost	\$1.56	\$1.93	\$3.29	\$1.92	\$2.25	\$1.59	\$1.49	\$3.49	\$2.39	\$2.05
1998	Quantity	5,419	1,486	3,457	2,192	52,588	6,253	8,815	13,065	56,808	150,083
	% Total Quantity	3.61%	0.99%	2.30%	1.46%	35.04%	4.17%	5.87%	8.71%	37.85%	100.00%
	Cost	\$2.89	\$2.29	\$1.38	\$3.40	\$1.95	\$1.40	\$2.82	\$2.09	\$1.75	\$1.96

		<b>Sidewalk Removal- Sq. Yd.</b>									
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East State Average	Quantity
1993	Quantity	9,838	3,064	780	356	19,168	2,789	1,994	1,111	3,917	43,017
	% Total Quantity	22.87%	7.12%	1.81%	0.83%	44.56%	6.48%	4.64%	2.58%	9.11%	100.00%
	Cost	\$3.68	\$6.57	\$4.10	\$5.85	\$5.10	\$3.85	\$5.53	\$4.13	\$5.23	\$4.79
1994	Quantity	9,906	5,944	397	2,279	14,754	11,419	1,421	3,040	5,046	54,207
	% Total Quantity	18.27%	10.97%	0.73%	4.20%	27.22%	21.07%	2.62%	5.61%	9.31%	100.00%
	Cost	\$2.73	\$6.19	\$2.75	\$7.26	\$4.73	\$3.42	\$5.84	\$5.39	\$4.14	\$4.35
1995	Quantity	17,869	7,675	2,956	411	33,888	5,472	2,820	36	2,044	73,172
	% Total Quantity	24.42%	10.49%	4.04%	0.56%	46.31%	7.48%	3.85%	0.05%	2.79%	100.00%
	Cost	\$6.44	\$7.54	\$4.07	\$4.72	\$4.49	\$4.57	\$7.73	\$4.51	\$3.14	\$5.36
1996	Quantity	14,221	3,913	19	2,233	8,188	8,611	7,191	333	5,051	49,759
	% Total Quantity	28.58%	7.86%	0.04%	4.49%	16.46%	17.31%	14.45%	0.67%	10.15%	100.00%
	Cost	\$1.17	\$8.66	\$9.00	\$6.31	\$5.16	\$3.44	\$5.04	\$6.75	\$6.56	\$4.19
1998	Quantity	2,699	686	1,160	0	20,532	3,345	2,817	2,091	3,637	36,967
	% Total Quantity	7.30%	1.86%	3.14%	0.00%	55.54%	9.05%	7.62%	5.66%	9.84%	100.00%
	Cost	\$4.97	\$9.42	\$7.06	\$0.00	\$3.37	\$4.19	\$15.30	\$5.57	\$4.92	\$4.97

		Concrete Pavement Removal- Sq. Yd.										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	21,982	4	17,596	4,700	66,938	29,876	6,949	493	41,721		190,259
	% Total Quantity	11.55%	0.00%	9.25%	2.47%	35.18%	15.70%	3.65%	0.26%	21.93%		100.00%
	Cost	\$3.45	\$4.00	\$2.81	\$2.10	\$5.79	\$2.97	\$4.54	\$4.00	\$3.00	\$4.05	
1994	Quantity	16,974	9,134	42	10,759	38,085	17,164	15,625	0	77,283		185,066
	% Total Quantity	9.17%	4.94%	0.02%	5.81%	20.58%	9.27%	8.44%	0.00%	41.76%	0.00%	100.00%
	Cost	\$3.12	\$5.32	\$8.00	\$3.00	\$7.00	\$3.47	\$4.69	\$0.00	\$3.23	\$4.23	
1995	Quantity	2,572	16,595	828	40	10,511	14,950	7,627	0	28,135		81,258
	% Total Quantity	3.17%	20.42%	1.02%	0.05%	12.94%	18.40%	9.39%	0.00%	34.62%	0.00%	100.00%
	Cost	\$5.39	\$5.52	\$3.44	\$6.50	\$5.90	\$2.66	\$5.01	\$0.00	\$3.17	\$4.16	
1996	Quantity	6,804	4,723	216	20	23,438	13,526	8,048	129	21,218		78,122
	% Total Quantity	8.71%	6.05%	0.28%	0.03%	30.00%	17.31%	10.30%	0.17%	27.16%	0.00%	100.00%
	Cost	\$3.78	\$4.50	\$1.11	\$5.00	\$4.49	\$4.72	\$4.21	\$5.85	\$4.26	\$4.37	
1998	Quantity	27,073	0	2,426	36	21,744	34,420	20,803	197	4,242		110,941
	% Total Quantity	24.40%	0.00%	2.19%	0.03%	19.60%	31.03%	18.75%	0.18%	3.82%	0.00%	100.00%
	Cost	\$4.48	\$0.00	\$3.50	\$5.00	\$5.63	\$3.42	\$6.07	\$7.09	\$5.37	\$4.69	

		Class 5 Aggregate Base- Ton										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	62,920	8,433	55,369	0	168,995	43,201	14,384	22,848	240,272		621,247
	% Total Quantity	10.13%	1.36%	8.91%	0.00%	27.20%	6.95%	2.32%	3.68%	38.68%		100.00%
	Cost	\$6.93	\$6.13	\$5.63	\$0.00	\$6.41	\$8.07	\$6.87	\$5.38	\$5.51	\$6.13	
1994	Quantity	55,773	8,565	35,165	43,801	249,575	59,453	23,680	29,717	154,445		660,174
	% Total Quantity	8.45%	1.30%	5.33%	6.63%	37.80%	9.01%	3.59%	4.50%	23.39%	0.00%	100.00%
	Cost	\$5.76	\$5.36	\$6.43	\$4.55	\$6.35	\$5.72	\$6.30	\$5.23	\$5.82	\$5.94	
1995	Quantity	40,376	34,991	42,790	8,322	176,174	35,015	35,286	5,854	112,800		491,608
	% Total Quantity	8.21%	7.12%	8.70%	1.69%	35.84%	7.12%	7.18%	1.19%	22.95%	0.00%	100.00%
	Cost	\$6.84	\$5.01	\$5.70	\$5.03	\$6.34	\$6.94	\$6.83	\$5.33	\$6.13	\$6.23	
1996	Quantity	35,612	20,031	33,595	5,600	173,868	59,277	16,585	17,121	231,625		593,314
	% Total Quantity	6.00%	3.38%	5.66%	0.94%	29.30%	9.99%	2.80%	2.89%	39.04%	0.00%	100.00%
	Cost	\$6.32	\$6.49	\$6.42	\$5.51	\$6.90	\$6.28	\$6.24	\$6.34	\$5.82	\$6.29	
1998	Quantity	37,759	13,689	35,525	11,045	200,065	42,935	15,338	34,413	79,864		470,633
	% Total Quantity	8.02%	2.91%	7.55%	2.35%	42.51%	9.12%	3.26%	7.31%	16.97%	0.00%	100.00%
	Cost	\$6.97	\$2.89	\$4.73	\$5.86	\$7.22	\$6.84	\$7.02	\$6.42	\$6.46	\$6.63	

		Bituminous #2331- Ton										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	17,084	6,217	19,729	7,500	58,851	16,490	13,990	5,530	98,100		243,491
	% Total Quantity	7.02%	2.55%	8.10%	3.08%	24.17%	6.77%	5.75%	2.27%	40.29%	0.00%	100.00%
	Cost	\$22.21	\$25.18	\$17.52	\$21.76	\$20.63	\$29.38	\$25.50	\$24.62	\$15.85	\$19.68	
1994	Quantity	15,367	1,390	16,207	37,681	90,113	14,661	4,532	12,105	73,358		265,414
	% Total Quantity	5.79%	0.52%	6.11%	14.20%	33.95%	5.52%	1.71%	4.56%	27.64%	0.00%	100.00%
	Cost	\$23.51	\$26.21	\$19.51	\$19.92	\$19.46	\$20.34	\$32.45	\$24.42	\$18.82	\$20.12	
1995	Quantity	9,403	5,848	12,730	3,165	69,549	9,758	9,541	1,550	69,219		190,763
	% Total Quantity	4.93%	3.07%	6.67%	1.66%	36.46%	5.12%	5.00%	0.81%	36.29%	0.00%	100.00%
	Cost	\$24.38	\$26.89	\$17.81	\$23.54	\$19.37	\$22.60	\$25.31	\$23.12	\$18.18	\$19.87	
1996	Quantity	16,895	8,709	9,412	6,469	56,380	16,533	4,604	10,192	59,704		188,989
	% Total Quantity	8.94%	4.61%	4.98%	3.42%	29.83%	8.75%	2.44%	5.39%	31.59%	0.00%	100.00%
	Cost	\$24.72	\$25.29	\$22.09	\$21.10	\$20.36	\$23.00	\$22.61	\$23.40	\$19.22	\$21.18	
1998	Quantity	8,452	9,367	7,763	5,205	80,044	14,474	4,065	16,016	38,576		183,962
	% Total Quantity	4.59%	5.09%	4.22%	2.83%	43.51%	7.87%	2.21%	8.71%	20.97%	0.00%	100.00%
	Cost	\$25.60	\$20.40	\$20.17	\$28.45	\$22.34	\$22.56	\$32.57	\$27.89	\$20.52	\$22.82	

		Bituminous #2341- Ton										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	7,117	3,922	12,685	660	86,351	3,607	5,675	2,679	37,891		160,587
	% Total Quantity	4.43%	2.44%	7.90%	0.41%	53.77%	2.25%	3.53%	1.67%	23.60%		100.00%
	Cost	\$23.52	\$28.68	\$19.74	\$28.71	\$24.11	\$27.75	\$24.73	\$29.39	\$23.11	\$23.82	
1994	Quantity	10,979	9,026	4,337	5,176	102,957	18,161	2,817	5,677	41,990		201,120
	% Total Quantity	5.46%	4.49%	2.16%	2.57%	51.19%	9.03%	1.40%	2.82%	20.88%	0.00%	100.00%
	Cost	\$24.45	\$25.33	\$23.13	\$23.55	\$23.05	\$21.49	\$30.96	\$31.52	\$19.89	\$22.79	
1995	Quantity	3,193	3,531	8,101	8,900	119,244	11,160	6,380	0	30,474		190,983
	% Total Quantity	1.67%	1.85%	4.24%	4.66%	62.44%	5.84%	3.34%	0.00%	15.96%	0.00%	100.00%
	Cost	\$24.38	\$24.54	\$22.15	\$24.53	\$23.20	\$26.61	\$26.21	\$0.00	\$21.51	\$23.29	
1996	Quantity	17,991	2,138	9,502	3,455	68,839	6,524	2,233	2,644	56,585		169,911
	% Total Quantity	10.59%	1.26%	5.59%	2.03%	40.51%	3.84%	1.31%	1.56%	33.30%	0.00%	100.00%
	Cost	\$25.87	\$31.16	\$25.03	\$21.18	\$24.69	\$22.94	\$30.55	\$28.25	\$21.00	\$23.68	
1998	Quantity	0	3,415	17,663	2,645	79,993	18,370	848	4,130	31,256		158,320
	% Total Quantity	0.00%	2.16%	11.16%	1.67%	50.53%	11.60%	0.54%	2.61%	19.74%	0.00%	100.00%
	Cost	\$0.00	\$21.81	\$22.24	\$35.24	\$24.52	\$25.77	\$35.16	\$29.62	\$23.92	\$24.60	

		Bituminous #2361										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	4,807	0	8,510	0	8,456	0	934	0	11,041		33,749
	% Total Quantity	14.24%	0.00%	25.22%	0.00%	25.06%	0.00%	2.77%	0.00%	32.72%		100.00%
	Cost	\$26.56	\$0.00	\$24.58	\$0.00	\$35.82	\$0.00	\$34.33	\$0.00	\$28.28	\$29.14	
1994	Quantity	4,150	0	6,820	0	8,574	0	0	725	4,143		24,412
	% Total Quantity	17.00%	0.00%	27.94%	0.00%	35.12%	0.00%	0.00%	2.97%	16.97%	0.00%	100.00%
	Cost	\$27.67	\$0.00	\$26.02	\$0.00	\$30.10	\$0.00	\$0.00	\$36.33	\$29.98		
1995	Quantity	6,250	0	5,725	2,300	7,527	0	2,513	454	3,675		28,444
	% Total Quantity	21.97%	0.00%	20.13%	8.09%	26.46%	0.00%	8.83%	1.60%	12.92%	0.00%	100.00%
	Cost	\$26.90	\$0.00	\$25.35	\$36.92	\$30.85	\$0.00	\$40.05	\$28.50	\$28.20	\$29.80	
1996	Quantity	2,594	0	2,605	0	5,506	0	25	0	1,410		12,140
	% Total Quantity	21.37%	0.00%	21.46%	0.00%	45.35%	0.00%	0.21%	0.00%	11.61%	0.00%	100.00%
	Cost	\$32.58	\$0.00	\$24.01	\$0.00	\$33.35	\$0.00	\$55.04	\$0.00	\$29.21	\$30.75	
1998	Quantity	3,261	0	0	0	1,369	0	140	0	0		4,770
	% Total Quantity	68.36%	0.00%	0.00%	0.00%	28.70%	0.00%	2.94%	0.00%	0.00%	0.00%	100.00%
	Cost	\$27.44	\$0.00	\$0.00	\$0.00	\$33.99	\$0.00	\$65.27	\$0.00	\$0.00	\$30.43	

		Curb & Gutter Construction- Lin. Ft.										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	40,162	10,964	44,588	6,740	141,192	21,919	14,553	11,390	224,179		515,687
	% Total Quantity	7.79%	2.13%	8.65%	1.31%	27.38%	4.25%	2.82%	2.21%	43.47%		100.00%
	Cost	\$7.07	\$6.61	\$4.80	\$6.80	\$5.48	\$6.02	\$6.69	\$6.88	\$5.08	\$5.50	
1994	Quantity	31,313	7,352	36,648	26,076	183,636	39,635	3,612	18,293	114,333		460,898
	% Total Quantity	6.79%	1.60%	7.95%	5.66%	39.84%	8.60%	0.78%	3.97%	24.81%	0.00%	100.00%
	Cost	\$6.85	\$8.25	\$5.04	\$6.83	\$5.25	\$5.97	\$7.91	\$6.26	\$4.88	\$5.51	
1995	Quantity	35,831	9,979	39,879	6,785	242,406	18,454	33,753	2,148	139,444		528,679
	% Total Quantity	6.78%	1.89%	7.54%	1.28%	45.85%	3.49%	6.38%	0.41%	26.38%	0.00%	100.00%
	Cost	\$5.99	\$8.06	\$5.22	\$7.29	\$6.80	\$8.00	\$6.67	\$8.20	\$5.09	\$6.25	
1996	Quantity	19,541	20,832	28,115	5,370	149,715	36,093	12,384	10,716	170,256		453,022
	% Total Quantity	4.31%	4.60%	6.21%	1.19%	33.05%	7.97%	2.73%	2.37%	37.58%	0.00%	100.00%
	Cost	\$7.72	\$8.26	\$5.72	\$8.78	\$6.40	\$7.10	\$5.99	\$6.70	\$5.50	\$6.24	
1998	Quantity	20,718	1,217	11,973	9,997	154,561	26,927	14,512	19,626	88,442		347,973
	% Total Quantity	5.95%	0.35%	3.44%	2.87%	44.42%	7.74%	4.17%	5.64%	25.42%	0.00%	100.00%
	Cost	\$8.20	\$8.17	\$8.53	\$7.49	\$7.20	\$7.94	\$9.18	\$7.27	\$7.03	\$7.42	

		Sidewalk Construction- Sq. Yd.										
		District 1	District 2	District 3	District 4	Metro West	District 6	District 7	District 8	Metro East	State Average	Quantity
1993	Quantity	11,953	4,865	11,532	371	33,904	5,645	2,861	4,668	43,283		119,082
	% Total Quantity	10.04%	4.09%	9.68%	0.31%	28.47%	4.74%	2.40%	3.92%	36.35%		100.00%
	Cost	\$17.29	\$17.58	\$12.27	\$19.73	\$14.38	\$17.60	\$16.14	\$16.29	\$14.27	\$14.85	
1994	Quantity	15,534	3,908	8,162	2,842	25,455	14,736	2,182	5,168	11,676		89,662
	% Total Quantity	17.33%	4.36%	9.10%	3.17%	28.39%	16.44%	2.43%	5.76%	13.02%	0.00%	100.00%
	Cost	\$19.78	\$19.76	\$13.93	\$16.99	\$15.15	\$16.73	\$20.05	\$17.91	\$15.99	\$16.75	
1995	Quantity	18,411	6,611	12,712	520	61,271	9,135	4,559	1,799	19,707		134,724
	% Total Quantity	13.67%	4.91%	9.44%	0.39%	45.48%	6.78%	3.38%	1.34%	14.63%	0.00%	100.00%
	Cost	\$15.05	\$21.58	\$13.32	\$18.09	\$17.59	\$16.96	\$18.27	\$18.96	\$14.33	\$16.56	
1996	Quantity	8,736	4,904	10,742	2,411	28,306	9,732	2,098	1,304	25,907		94,140
	% Total Quantity	9.28%	5.21%	11.41%	2.56%	30.07%	10.34%	2.23%	1.39%	27.52%	0.00%	100.00%
	Cost	\$19.92	\$20.06	\$15.04	\$18.24	\$15.94	\$19.05	\$18.96	\$16.16	\$15.50	\$16.75	
1998	Quantity	4,802	580	2,550	3,468	42,717	4,176	3,369	3,048	6,868		71,578
	% Total Quantity	6.71%	0.81%	3.56%	4.85%	59.68%	5.83%	4.71%	4.26%	9.60%	0.00%	100.00%
	Cost	\$23.59	\$18.59	\$23.75	\$20.25	\$19.93	\$20.94	\$26.55	\$21.58	\$19.97	\$20.76	



## PAST HISTORY OF ADMINISTRATIVE ACCOUNT

1 1/2 % of the total funds available are set aside for the administration of State Aid. The account is used for expenses of Screening Board meetings, Variances meetings, printing of State Aid material etc.

Year	Allotment	Balance	Spent
1958	\$113,220	\$48,310	\$64,910
1959	125,999	55,370	70,629
1960	129,466	58,933	70,533
1961	140,825	75,036	65,789
1962	137,980	70,875	67,105
1963	144,585	75,094	69,491
1964	168,526	102,385	66,141
1965	173,875	96,136	77,739
1966	178,253	85,079	93,174
1967	190,524	122,185	68,339
1968	219,458	117,878	101,580
1969	231,452	134,416	97,036
1970	252,736	147,968	104,768
1971	279,357	165,927	113,430
1972	280,143	167,410	112,733
1973	284,923	160,533	124,390
1974	333,944	130,460	203,484
1975	349,512	158,851	190,661
1976	347,940	264,874	83,066
1977	424,767	160,365	264,402
1978	426,786	139,580	287,206
1979	473,075	257,782	215,293
1980	521,544	171,544	350,000
1981	544,123	222,062	322,061
1982	646,373	251,781	394,592
1983	710,025	297,847	412,178
1984	745,773	322,730	423,043
1985	874,173	421,719	452,454
1986	903,824	427,562	476,262
1987	806,340	331,589	474,751
1988	895,092	387,171	507,921
1989	1,111,120	582,918	528,202
1990	1,248,109	218,586	1,029,523
1991	1,216,604	502,044	714,560
1992	1,239,228	493,170	746,058
1993	1,274,377	466,634	807,743
1994	1,231,781	417,972	813,809
1995	1,251,307	153,996	1,097,311
1996	1,394,929	225,105	1,169,824
1997	1,386,626	111,442	1,275,184
1998	1,442,625		

The unexpended balance of the administration account at the end of the year is transferred back to the state aid fund from which it was obtained for distribution.

## RESEARCH ACCOUNT MOTION

Each year the Screening Board, provided for in section 162.13, Subdivision 3, may recommend to the commissioner a sum of money that the commissioner shall set aside from the municipal state aid street fund and credit to a research account. The amount so recommended shall not exceed 1/2 of 1% of the preceding apportionment. Any balance remaining in the research account at the end of the each year from sum set aside for the year immediately previous, shall be transferred to the MSAS fund.

Be it resolved that an amount of \$469,141 (not to exceed 1/2 of 1% of the 1998 M.S.A.S. Apportionment sum of \$93,828,258) shall be set aside from the 1999 Apportionment fund and be credited to the research account.

MOTION BY:  
SECONDED BY:

PAST HISTORY OF RESEARCH ACCOUNT			
	Allotment	Balance	Spent
1958	\$0	\$0	\$0
1959	0	0	0
1960	20,271	10,911	9,360
1961	20,926	18,468	2,458
1962	22,965	21,661	1,304
1963	22,594	18,535	4,059
1964	23,627	24,513	0
1965	27,418	15,763	11,655
1966	28,426	17,782	10,644
1967	29,155	31,944	0
1968	31,057	28,433	2,624
1969	35,719	34,241	1,478
1970	37,803	35,652	2,151
1971	41,225	37,914	3,311
1972	45,227	44,468	759
1973	45,846	36,861	8,985
1974	46,622	19,268	27,354
1975	54,321	35,755	18,566
1976	57,103	33,901	23,202
1977	56,983	33,674	23,309
1978	68,990	70,787	0
1979	69,665	0	69,665
1980	77,116	36,352	40,764
1981	85,031	33,940	51,091
1982	88,920	47,990	40,930
1983	105,082	37,656	67,426
1984	115,766	57,879	57,887
1985	121,838	73,118	48,720
1986	142,188	98,607	43,581
1987	147,745	82,479	65,266
1988	132,754	72,201	60,553
1989	145,953	42,379	103,574
1990	191,254	40,960	150,294
1991	203,793	3,445	200,348
1992	202,774	19,247	183,527
1993	207,386	18,150	189,236
1994	403,939	0	403,939
1995	403,415	0	403,415
1996	408,593	0	408,593
1997	453,703	0	453,703
1998	469,141		

CURRENT RESOLUTIONS  
OF THE  
MUNICIPAL SCREENING BOARD

October 1998

BE IT RESOLVED:

ADMINISTRATION

Appointments to Screening Board - Oct. 1961 (Revised June 1981)

That annually the Commissioner of Mn/DOT will be requested to appoint three (3) new members, upon recommendation of the City Engineers Association of Minnesota, to serve three (3) year terms as voting members of the Municipal Screening Board. These appointees are selected from the Nine Construction Districts together with one representative from each of the three (3) major cities of the first class.

Screening Board Chairman and Vice Chairman - June 1987

That the Chairman and Vice Chairman, nominated annually at the annual meeting of the City Engineers association of Minnesota and subsequently appointed by the Commissioner of the Minnesota Department of Transportation shall not have a vote in matters before the Screening Board unless they are also the duly appointed Screening Board Representative of a construction District or of a City of the first class.

Screening Board Secretary - Oct. 1961

That annually, the Commissioner of the Minnesota Department of Transportation (Mn/DOT) may be requested to appoint a secretary, upon recommendation of the City Engineers' Association of Minnesota, as a non-voting member of the Municipal Screening Board for the purpose of recording all Screening Board actions.

Appointment to the Needs Study Subcommittee - June 1987 (Revised June 1993)

The Screening Board Chairman shall annually appoint one city engineer, who has served on the Screening Board, to serve a three year term on the Needs Study Subcommittee. The appointment shall be made at the annual winter meeting of the City's Engineers Association. The appointed subcommittee person shall serve as chairman of the subcommittee in the third year of the appointment.

Appointment to Unencumbered Construction Funds Subcommittee - Revised June 1979

The Screening Board past Chairman be appointed to serve a three-year term on the Unencumbered Construction Fund Subcommittee. This will continue to maintain an experienced group to follow a program of accomplishments.

Appearance Screening Board - Oct. 1962 (Revised Oct. 1982)

That any individual or delegation having items of concern regarding the study of State Aid Needs or State Aid Apportionment amounts, and wishing to have consideration given to these items, shall, in a written report, communicate with the State Aid Engineer. The State Aid Engineer with concurrence of the Chairman of the Screening Board shall determine which requests are to be referred to the Screening Board for their consideration. This resolution does not abrogate the right of the Screening Board to call any person or persons before the Board for discussion purposes.

Screening Board Meeting Dates and Locations - June 1996

That the Screening Board Chairman, with the assistance of State Aid personnel, determine the dates and locations for that year's Screening Board meetings.

Research Account - Oct. 1961

That an annual resolution be considered for setting aside a reasonable amount of money for the Research Account to continue municipal street research activity.

Be it resolved that an amount of \$453,040 (not to exceed 1/2 of 1% of the 1997 MSAS Apportionment sum of \$90,608,066) shall be set aside from the 1998 Apportionment fund and be credited to the research account.

Soil Type - Oct. 1961

That the soil type classification as approved by the 1961 Municipal Screening Board, for all municipalities under Municipal State Aid be adopted for the 1962 Needs Study and 1963 apportionment on all streets in the respective municipalities. Said classifications are to be continued in use until subsequently amended or revised by Municipal Screening Board action.

Improper Needs Report - Oct. 1961

That the Office of State Aid and the District State Aid Engineer is requested to recommend an adjustment of the Needs Reporting whenever there is a reason to believe that said reports have deviated from accepted standards and to submit their recommendations to the Screening Board, with a copy to the municipality involved, or its engineer.

### New Cities Needs - Oct. 1983

Any new city which has determined their eligible mileage, but does not have an approved State Aid System, their money needs will be determined at the cost per mile of the lowest other city.

### Construction Cut Off Date - Oct. 1962 (Revised 1967)

That for the purpose of measuring the Needs of the Municipal State Aid Highway System, the annual cut off date for recording construction accomplishments based upon the project award date shall be December 31st of the preceding year.

### Construction Accomplishments - Oct. 1988 (Revised June 1993)

When a Municipal State Aid Street is constructed to State Aid Standards, said street shall be considered adequate for a period of 20 years from the date of project letting or encumbrance of force account funds.

In the event sidewalk or curb and gutter is constructed for the total length of the segment, then those items shall be removed from the needs for a period of 20 years.

If the construction of the Municipal State Aid Street is accomplished with local funds, only the construction needs necessary to bring the roadway up to State Aid Standards will be permitted in subsequent needs for 20 years from the date of the letting or encumbrance of force account funds. At the end of the 20 year period, reinstatement for complete construction needs shall be initiated by the Municipality.

Needs for resurfacing, lighting, and traffic signals shall be allowed on all Municipal State Aid Streets at all times.

That any bridge construction project shall cause the needs of the affected bridge to be removed for a period of 35 years from the project letting date or date of force account agreement. At the end of the 35 year period, needs for complete reconstruction of the bridge will be reinstated in the needs study at the initiative of the Municipal Engineer. If, during the period that complete bridge needs are being received the bridge is improved with a bituminous overlay, the municipality will continue to receive complete needs but shall have the non-local cost of the overlay deducted from its total needs for a period of ten (10) years.

The adjustments above will apply regardless of the source of funding for the road or bridge project. Needs may be granted as an exception to this resolution upon request by the Municipal Engineer and justification to the satisfaction of the State Aid Engineer (e.g., a deficiency due to changing standards, projected traffic, or other verifiable causes).

In the event that a M.S.A.S route earning "After the Fact" needs is removed from the M.S.A. system, then, the "After the Fact" needs shall be removed from the needs study, except if transferred to another state system. No adjustment will be required on needs earned prior to the revocation.

#### Population Apportionment - October 1994, 1996

Be it resolved that beginning with calendar year 1996, the MSA population apportionment shall be determined using the latest available federal census or population estimates of the State Demographer and/or the Metropolitan Council. However, no population shall be decreased below that of the latest available federal census, and no city dropped from the MSA eligible list based on population estimates.

#### DESIGN

##### Design Limitation on Non-Existing Streets - Oct. 1965

That non-existing streets shall not have their needs computed on the basis of urban design unless justified to the satisfaction of the Commissioner.

##### Less Than Minimum Width - Oct. 1961 (Revised 1986)

That in the event that a Municipal State Aid Street is constructed with State Aid Funds to a width less than the standard design width as reported in the Needs Study, the total needs shall be taken off such constructed street other than the surface replacement need. Surface replacement and other future needs shall be limited to the constructed width unless exception is justified to the satisfaction of the Commissioner.

##### Greater Than Minimum Width (Revised June 1993)

If a Municipal State Aid Street is constructed to a width wider than required, resurfacing needs will be allowed on the constructed width.

##### Miscellaneous Limitations - Oct. 1961

That miscellaneous items such as fence removal, bituminous surface removal, manhole adjustment, and relocation of street lights are not permitted in the Municipal State Aid Street Needs Study. The item of retaining walls, however, shall be included in the Needs Study.

#### MILEAGE

Feb. 1959 (Revised Oct. 1994)

The maximum mileage for Municipal State Aid Street designation shall be 20 percent of the municipality's basic mileage - which is comprised of the total improved streets less Trunk Highway, County State Aid Highways, and any Trunk Highway and/or County Road Turnback designated as excess Municipal State Aid mileage.

Nov. 1965 (Revised 1972, Oct. 1993, 1995)

The maximum mileage for Municipal State Aid Street designation shall be based on the Annual Certification of Mileage current as of December 31st of the preceding year. Submittal of a supplementary certification during the year shall not be permitted except the Division of State Aid will recompute available mileage, as necessary, to accomplish turnbacks. Frontage roads which are not designated trunk highway, trunk highway turnback or County State Aid Highway system shall be considered in the computation of the basic street mileage. The total mileage of county roads and local streets on corporate limits shall be included in the municipality's basic street mileage. Mileage which is on the boundary of two adjoining urban municipalities shall be considered as one-half mileage.

(Nov. 1965 - Revised 1969, October 1993, October 1994, June 1996)

However, the maximum mileage for State Aid designation may be exceeded to designate trunk highway turnbacks after July 1, 1965 subject to State Aid Operations Rules.

A Municipality which accepts a county road turnback after May 11, 1994 and designates it as an MSA Street will no longer have that mileage considered as basic mileage for purposes of determining allowable mileage. This will result in a reduction in allowable mileage of 20% of that county road turnback which partially offsets the affect of adding the county road turnback to the MSA system.

Excess mileage on the MSA system shall accrue needs in accordance with current rules and resolutions.

Oct. 1961 (Revised May 1980, Oct. 1982, Oct. 1983, and June 1993)

All requests for additional mileage or revisions to the Municipal State Aid System must be received by the District State Aid Engineer by March first and a City Council resolution of approved mileage and the Needs Study reporting data must be received by May first, to be included in the current year's Needs Study. Any requests for additional mileage or revisions to the Municipal State Aid Systems received by the District State Aid Engineer after March first will be included in the following year's Needs Study.

One Way Street Mileage - June 1983 (Revised Oct. 1984, Oct. 1993, June 1994, Oct. 1997)

That any one-way streets added to the Municipal State Aid Street system must be reviewed by the Needs Study Sub-Committee, and approved by the Screening Board before any one-way street can be treated as one-half mileage in the Needs Study.

Treat all one-way streets as one-half of the mileage and allow one-half complete needs. When Trunk Highway or County Highway Turnback is used as part of a one way pair, mileage for certification shall only be included as trunk Highway or County Turnback mileage and not as provided for in the preceding paragraph.

## NEEDS COST

### Construction Item Unit Prices - (Revised Annually)

Right of Way (Needs only)			\$	60,000 Acre
Grading (Excavation)			\$	3.20 Cu. Yd.
Base:				
Class 5	Spec. #2211			6.50 Ton
Bituminous	Spec. #2331			21.50 Ton
Surface:				
Bituminous	Spec. #2331	\$		21.50 Ton
Bituminous	Spec. #2341			24.50 Ton
Bituminous	Spec. #2361			30.50 Ton
Shoulders:				
Gravel	Spec. #2221	\$		10.00 Ton
Miscellaneous:				
Storm Sewer Construction				\$245,000 Mile
Storm Sewer Adjustment				76,000 Mile
Special Drainage-Rural				31,710 Mile
Traffic Signals				25,000 to 100,000 Mile

### Signal Needs Based On Projected Traffic (every segment)

Projected Traffic	Percentage	X	Unit Price	=	Needs Per Mile
0 - 4,999	.25		\$100,000	=	\$25,000 Mile
5,000 - 9,999	.50		\$100,000	=	\$50,000 Mile
10,000 & Over	1.00		\$100,000	=	\$100,000 Mile

Street Lighting (every segment)	20,000 Mile
Curb & Gutter Construction	7.50 Lin. Ft.
Sidewalk Construction	20.00 Sq. Yd.
Engineering	18%

### Removal Items:

Curb & Gutter	\$ 2.00 Lin. Ft.
Sidewalk	5.00 Sq. Yd.
Concrete Pavement	4.50 Sq. Yd.
Tree Removal	175.00 Unit



## STRUCTURES

### Bridge Costs - Oct. 1961 (Revised Annually)

That for the study of needs on the Municipal State Aid Street System, bridge costs shall be computed as follows:

Bridges 0 to 149 Ft.	\$ 60.00 Sq. Ft.
Bridges 150 to 499 Ft.	60.00 Sq. Ft.
Bridges 500 & Over	60.00 Sq. Ft.

### "Non-existing" bridge costs - Revised October 1997

"The money needs for all "non-existing" bridges and grade separations be removed from the Needs Study until such time that a construction project is awarded. At that time a money needs adjustment shall be made by annually adding the total amount of the structure cost, project development cost and construction engineering that is eligible for State Aid reimbursement for a 15-year period excluding all Federal or State grants. The addition of 18% project development costs shall be added to the present list of non-existing bridges.

### Bridge Width & Costs - (Revised Annually)

That after conferring with the Bridge Section of Mn/DOT and using the criteria as set forth by this Department as to the standard design for railroad structures, that the following costs based on number of tracks be used for the Needs Study:

#### Railroad Over Highway

Number of Tracks - 1	\$8,000 Lin. Ft.
Each Additional Track	\$6,500 Lin. Ft.

## RAILROAD CROSSINGS

### Railroad Crossing Costs - (Revised Annually)

That for the study of needs on the Municipal State Aid Street System, the following costs shall be used in computing the needs of the proposed Railroad Protection Devices:

#### Railroad Grade Crossings

Signals - (Single track - low speed)	\$ 80,000 Unit
Signals and Gates(Multiple Track - high	\$ 130,000 Unit
Signs Only & (low speed)	\$ 1,000 Unit
Rubberized Railroad Crossings (Per Track)	\$ 800 Lin. Ft.
Pavement Marking	\$ 750 Unit

### Maintenance Needs Costs - June 1992 (Revised 1993)

That for the study of needs on the Municipal State Aid Street System, the following costs shall be used in determining the maintenance apportionment needs cost for existing facilities only.

	Cost For Under 1000 Vehicles Per Day -----	Cost For Over 1000 Vehicles Per Day -----
Traffic Lanes: Segment length times number of traffic lanes times cost per mile.	\$1,320 (Per Mile)	\$2,200 (Per Mile)
Parking Lanes: Segment length times number of parking lanes times cost per mile.	\$1,320 (Per Mile)	\$1,320 (Per Mile)
Median Strip:  Segment length times cost per mile.	\$ 440  (Per Mile)	\$ 880  (Per Mile)
Storm Sewer: Segment length times cost per mile.	\$ 440 (Per Mile)	\$ 440 (Per Mile)
Traffic Signals: Number of traffic signals times cost for each signal.	\$ 440 (Per Each)	\$ 440 (Per Each)
Unlimited Segments: Normal M.S.A.S. Streets. -----		
Minimum allowance for mile is determined by segment length times cost per mile.	\$4,400 (Per Mile)	\$4,400 (Per Mile)
Limited Segments: Combination Routes. -----		
Minimum allowance for mile is determined by segment length times cost per mile.	\$2,200 (Per Mile)	\$2,200 (Per Mile)

### NEEDS ADJUSTMENTS

#### Bond Adjustment - Oct. 1961 (Revised 1976, 1979, 1995)

That a separate annual adjustment shall be made in total money Needs of a municipality that has sold and issued bonds pursuant to Minnesota Statutes, Section 162.18, for use on State Aid projects.

That this adjustment, which covers the amortization (payment) period, and which annually reflects the net unamortized bonded debt (remaining principal payments due) shall be accomplished by adding said net unamortized (principal) amount to the computed money needs of the municipality.

For the purpose of this adjustment, the net unamortized bonded debt (remaining principal) shall be the total unamortized bonded indebtedness (deducted from the amount of projects applied against the bond) less the unexpended bond amount (less the amount of projects not encumbered) as of December 31st of the preceding year. The charges for selling the bond issue shall be deducted from the amount that projects are applied against.

"Bond account money spent off State Aid System would not be eligible for Bond Account Adjustment. This action would not be retroactive, but would be in effect for the remaining term of the Bond issue."

#### **Effective January 1, 1996**

The money needs shall be annually reduced by 10% of the total bond issue amount. The computation of needs shall be started in the year that bond principal payments are made to the city.

#### Unencumbered Construction Fund Balance Adjustment - Oct. 1961 (Revised October 1991, 1996)

That for the determination of Apportionment Needs, the amount of the unencumbered construction fund balance as of December 31st of the current year shall be deducted from the 25-year total Needs of each individual municipality.

Funding Requests that have been received before December 31st by the District State Aid Engineer for payment shall be considered as being encumbered and the construction balances shall be so adjusted.

#### Right of Way - Oct. 1965 (Revised June 1986)

The Right of Way needs shall be included in the apportionment needs based on the unit price per mile, until such time that the right of way is acquired and the actual cost established. At that time a money needs adjustment shall be made by annually adding the local cost (which is the total cost less county or trunk highway participation) for a 15-year period. Only right of way acquisition costs that are eligible for State-Aid reimbursement shall be included in the right-of-way money needs adjustment. This Directive to exclude all Federal or State grants. Right-of-way projects that are funded with State Aid Funds will be compiled by the State Aid Office. When "After the Fact" needs are requested for right-of-way projects that have been funded with local funds, but qualify for State Aid reimbursement, documentation (copies of warrants and description of acquisition) must be submitted to the State Aid Office.

#### Trunk Highway Turnback - Oct. 1967 (Revised June 1989)

That any trunk highway turnback which reverts directly to the municipality and becomes part of the State Aid Street system shall not have its construction needs considered in the money needs

apportionment determination as long as the former trunk highway is fully eligible for 100 percent construction payment from the Municipal Turnback Account. During this time of eligibility, financial aid for the additional maintenance obligation, of the municipality imposed by the turnback shall be computed on the basis of the current year's apportionment data and shall be accomplished in the following manner.

**Initial Turnback Maintenance Adjustment - Fractional Year Reimbursement:**

The initial turnback adjustment when for less than 12 full months shall provide partial maintenance cost reimbursement by adding said initial adjustment to the money needs which will produce approximately 1/12 of \$7,200 per mile in apportionment funds for each month or part of a month that the municipality had maintenance responsibility during the initial year.

To provide an advance payment for the coming year's additional maintenance obligation, a needs adjustment per mile shall be added to the annual money needs. This needs adjustment per mile shall produce sufficient apportionment funds so that at least \$7,200 in apportionment shall be earned for each mile of trunk highway turnback on Municipal State Aid Street System.

Turnback adjustments shall terminate at the end of the calendar year during which a construction contract has been awarded that fulfills the Municipal Turnback Account Payment provisions; and the resurfacing needs for the awarded project shall be included in the Needs Study for the next apportionment.

## TRAFFIC - June 1971

### Traffic Limitation on Non-Existing Streets - Oct. 1965

That non-existing street shall not have their needs computed on a traffic count of more than 4,999 vehicles per day unless justified to the satisfaction of the Commissioner.

### Traffic Manual - Oct. 1962

That for the 1965 and all future Municipal State Aid Street Needs Studies, the Needs Study procedure shall utilize traffic data developed according to the Traffic Estimating Manual - M.S.A.S. #5-892.700. This manual shall be prepared and kept current under the direction of the Screening Board regarding methods of counting traffic and computing average daily traffic. The manner and scope of reporting is detailed in the above mentioned manual.

### Traffic Counting - Sept. 1973 (Revised June 1987,1997)

That future traffic data for State Aid Needs Studies be developed as follows:

1. The municipalities in the metropolitan area cooperate with the State by agreeing to participate in counting traffic every two or four years at the discretion of the city.
2. The cities in the outstate area may have their traffic counted for a nominal fee and maps prepared by State forces every four years, or may elect to continue the present procedure of taking their own counts and preparing their own traffic maps at four year intervals.
3. Any city may count traffic every two years, at their discretion.