1999

# MUNIGIPAL STATE AID 

NEEDS REPORT

Minnesota Departm

## OCTOBER, 1999

## Memo

State Aid for Local Transportation Division

## To: Municipal Engineers

From: R. Marshall Johnston madull Manager, MSAS Needs Unit

## Subject: 1999 Municipal State Aid Needs Report

Enclosed is a copy of the '1999 Municipal State Aid Needs Report' which will be reviewed by the Municipal Screening Board on October $26^{\text {th }}$ and $27^{\text {th }}$ to make a final determination of the annual 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 book contact me at (651) 296-6677.

This report is distributed 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 upon request.

## PREFACE

The "1999 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, 1999.

The estimated Population data is combined with the Commissioner's final construction (money) needs and the result will be used to determine the 2000 allocation which will be reported in the " 2000 Municipal State Aid Apportionment Data" to be published in January 2000.

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## STATE OF MINNESOTA



## OFFICERS

| Chair | Ken Ashfeld | Maple Grove | (612) 494-6000 |
| :--- | :--- | :--- | :--- |
| Vice Chair <br> Secretary | Dave Jessup | Woodbury | (651) 714-3593 |
| MEMBERS |  |  |  |

District Served Representative

| 1 | 2 | David Salo | Hermantown | (218) 727-8796 |
| :---: | :---: | :---: | :---: | :---: |
| 2 | 3 | David Kildahl | Crookston | (218) 281-6545 |
| 3 | 3 | Terry Wotzka | Waite Park | (612) 253-1000 |
|  |  |  | Sauk Rapids |  |
| 4 | 2 | Tim Schoonhoven | Alexandria | (320) 762-8149 |
| Metro-West | 1 | Lee Gustafson | Minnetonka | (612) 939-8200 |
| 6 | 2 | David Olson | Albert Lea | (507) 377-4325 |
| 7 | 1 | Steven P. Koehler | New Ulm | (507) 359-8245 |
| 8 | 3 | Daniel Sarff | Litchfield | (612) 231-3956 |
| Metro-East | 1 | Mark Burch | White Bear Lake | (651) 429-8531 |
| (Three Cities |  | Mark Winson | Duluth | (218) 723-3278 |
| of the |  | Ramankutty Kannankutty | Minneapolis | (612) 673-2476 |
| First Class) |  | Ed Warn | Saint Paul | (612) 266-6142 |
| District |  | Alternates |  |  |
| 1 |  | Jim Kosluchar | Chisholm | (218) 254-3257 |
| 2 |  | Michael Metso | Bemidji | (218) 759-3576 |
| 3 |  | Larry Koshak | Otsego | (612) 427-5860 |
| 4 |  | Steve Windish | Morris | (320) 762-8149 |
| Metro-West |  | Dave Hutton | Savage | (612) 882-2670 |
| 6 |  | Tim Murray | Faribault | (507) 334-2222 |
| 7 |  | Tim Loose | St. Peter | (507) 625-4171 |
| 8 |  | Keith Nelson | Marshall | (507) 537-6774 |
| Metro-East |  | Chuck Ahl | Burnsville | (612) 895-4400 |

## 1999 SUBCOMMITTEES

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

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

| NEEDS STUDY SUBCOMMITTEE | UNENCUMBERED CONSTRUCTION FUNDS SUBCOMMITTEE |
| :---: | :---: |
| Tom Drake - Chair Red Wing (651) 227-6220 Expires in 1999 | Dave Sonnenberg - Chair Minneapolis (612) 673-2443 <br> Expires in 1999 |
| Jack Bittle Champlin (612) 421-1955 <br> Expires in 2000 | Brian Bachmeier Oakdale (612) 739-5086 Expires in 2000 |
| Larry Read Fairmont (507) 238-9461 Expires in 2001 | John Rodeberg Hutchinson (320) 234-4208 Expires in 2001 |

## 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

| YEAR | $\begin{gathered} \hline \text { DISTRICT } \\ 1 \end{gathered}$ | $\begin{gathered} \text { DISTRICT } \\ 2 \end{gathered}$ | $\begin{gathered} \text { DISTRICT } \\ 3 \end{gathered}$ | $\begin{gathered} \text { DISTRICT } \\ 4 \end{gathered}$ | METRO WEST | $\begin{gathered} \hline \text { DISTRICT } \\ 6 \end{gathered}$ | $\begin{gathered} \hline \text { DISTRICT } \\ 7 \end{gathered}$ | $\begin{gathered} \hline \text { DISTRICT } \\ 8 \end{gathered}$ | $\begin{aligned} & \hline \text { METRO } \\ & \text { EAST } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1976 | BOYER | WIDSETH | KRIHA Brainerd | REIMER Moorhead | ODLAND | ANDERSON Red Wing | MENK <br> St. Peter | ADEN <br> Marshall | DAVIDSON Inver Gr. Hgts. |
| 1977 | PFUTZENREUTER <br> Virginia | WIDSETH | KRIHA | RONNING Fergus Falls | ODLAND | ANDERSON | MENK | ADEN | DAVIDSON |
| 1978 | PFUTZENREUTER | WIDSETH | KRIHA | RONNING | BUTCHER <br> Maple Grove | ANDERSON | PUTNAM <br> New Ulm | ADEN | HONCHELL Roseville |
| 1979 | PFUTZENREUTER | VENCEL Bemidji | ENGSTRON <br> Little Falls | RONNING | BUTCHER | ANDERSON | PUTNAM | CARLSON | HONCHELL |
| 1980 | MADSEN | VENCEL | ENGSTRON | REIMER | BUTCHER | LEUTH Owatonna | PUTNAM | CARLSON | $\begin{gathered} \text { SIMON } \\ \text { S. St. Paul } \end{gathered}$ |
| 1981 | PFUTZENREUTER | WIDSETH | ENGSTRON | REIMER | ASMUS | LEUTH | ORTLOFF <br> 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 <br> White Bear Lk. |
| 1985 | PRUSAK | SANDERS | SCHWENINGER <br> Brainerd | BAKKEN | RUDRUD | PLUMB | MENK | RODEBERG Montevideo | GATLIN |
| 1986 | BUSBY Hibbing | SANDERS | SCHWENINGER | EDWARDS Fergus Falls | RUDRUD | MURPHY <br> 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 <br> Litchfield | SIGGERUD |
| 1989 | DRAGISICH <br> Virginia | WALKER | MAURER | MOEN Alexandria | OTTENSMANN | DRAKE Red Wing | HAFFIELD | BETTENDORF | SIGGERUD |
| 1990 | DRAGISICH | WALKER | MAURER | MOEN | EASTLING <br> Richfield | DRAKE | MCCLURG New Ulm | BETTENDORF | HAIDER Maplewood |
| 1991 | PRUSAK Cloquet | KILDAHL <br> Crookston | WILLIAMSON <br> Sauk Rapids | MOEN | EASTLING | DRAKE | MCCLURG | SWANSON Willmar | HAIDER |
| 1992 | PRUSAK | KILDAHL | WILLIAMSON | REIMER <br> Moorhead | EASTLING | PUTNAM OWATONNA | MCCLURG | SWANSON | HAIDER |
| 1993 | PRUSAK | KILDAHL | WILLIAMSON | REIMER | ANDERSON Prior Lake | PUTNAM | SAFFERT <br> Mankato | SWANSON | BACHMEIER Oakdale |
| 1994 | PRUSAK | BOELL Bemidji | KREKLAU Buffalo | REIMER | ANDERSON | PUTNAM | SAFFERT | VICTOR Marshall | BACHMEIER |
| 1995 | HALTER Grand Rapids | SANDERS <br> E. Gr. Forks | KREKLAU | NANSEN Det. Lakes | ANDERSON | MALIN <br> Winona | SAFFERT | RODEBERG <br> Hutchinson | BACHMEIER |
| 1996 | HALTER | SANDERS | KREKLAU | NANSEN | BITTLE Champlin | MALIN | READ <br> Fairmont | RODEBERG | JESSUP <br> Woodbury |
| 1997 | HALTER | KILDAHL Crookston | WOTZKA <br> Sartell,Waite Park | NANSEN | BITTLE | MALIN | READ | SARFF <br> Litchfield | JESSUP |
| 1998 | SALO Hermantown | KILDAHL | WOTZKA | SCHOONHOVEN Alexandria | BITTLE | $\begin{aligned} & \text { OLSON } \\ & \text { Albert Lea } \end{aligned}$ | READ | SARFF | JESSUP |
| 1999 | SALO | KILDAHL | WOTZKA | SCHOONHOVEN | GUSTAFSON Minnetonka | OLSON | KOEHLER New Ulm | SARFF | BURCH White Bear Lake |

CITIES OF THE FIRST CLASS and OFFICERS

| YEAR | MPLS | ST. PAUL | DULUTH | CHAIR | VICE CHAIR | SECRETARY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1976 | SORENSON | SCHNARR | DAVIDSON | MERILA Brooklyn Park |  | ASMUS Minnetonka |
| 1977 | SORENSON | SCHNARR | DAVIDSON | COOK <br> Faribault | ASMUS Minnetonka | THENE Wt. Br. Lk. |
| 1978 | SMITH | WHEELER | DAVIDSON | ASMUS Minnetonka | THENE Wt. Br. Lk. | PRIEBE Hutchinson |
| 1979 | SMITH | WHEELER | DAVIDSON | PRIEEE Hutchinson | ADEN Marshall | BAKER Mankato |
| 1980 | SMITH | WHEELER | DAVIDSON | ADEN Marshall | BAKER <br> Mankato | HONCHELL Roseville |
| 1981 | SMITH | PETERSON | DAVIDSON | BAKER Mankato | HONCHELL Roseville | SIMON <br> S. St. Paul |
| 1982 | HOSHAW | PETERSON | DAVIDSON | HONCHELL Roseville | SIMON S. St. Paul | REIMER <br> Moorhead |
| 1983 | HOSHAW | PETERSON | DAVIDSON | $\begin{aligned} & \text { SIMON } \\ & \text { S. St. Paul } \end{aligned}$ | REIMER <br> Moorhead | SPURRIER <br> Shakopee |
| 1984 | HOSHAW | PETERSON | BERG | REIMER <br> Moorhead | SPURRIER <br> Shakopee | ANDERSON Prior Lake |
| 1985 | HOSHAW | PETERSON | CARLSON | SPURRIER <br> Shakopee | ANDERSON <br> Prior Lake | SAFFERT <br> Mankato |
| 1986 | HOSHAW | PETERSON | CARLSON | ANDERSON Prior Lake | SAFFERT <br> Mankato | MOORE Plymouth |
| 1987 | HOSHAW | KUHFELD | CARLSON | SAFFERT Mankato | MOORE <br> Plymouth | RUDRUD Bloomington |
| 1988 | HOSHAW | KUHFELD | CARLSON | MOORE Plymouth | RUDRUD Bloomington | BULLERT <br> Northfield |
| 1989 | HOSHAW | KUHFELD | LARSON | RUDRUD Bloomington | BULLERT <br> Northfield | GRUBE St. Louis Park |
| 1990 | HOSHAW | KUHFELD | LARSON | BULLERT <br> Northfield | GRUBE <br> St. Louis Park | EDWARDS Fergus Falls |
| 1991 | HOSHAW | KUHFELD | LARSON | GRUBE <br> St. Louis Park | EDWARDS Fergus Falls | GRAY Eden Prairie |
| 1992 | HOSHAW | KUHFELD | LARSON | EDWARDS Fergus Falls | GRAY Eden Prairie | $\begin{aligned} & \text { LARSON } \\ & \text { Duluth } \end{aligned}$ |
| 1993 | SPURRIER | KUHFELD | LARSON | GRAY <br> Eden Prairie | LARSON <br> Duluth | SONNENBERG <br> Minnetonka |
| 1994 | KANNANKUTTY | KUHFELD | LARSON | $\begin{aligned} & \text { LARSON } \\ & \text { Duluth } \end{aligned}$ | SONNENBERG <br> Minnetonka | SWANSON Willmar |
| 1995 | KANNANKUTTY | ST MARTIN | LARSON | SONNENBERG <br> Minnetonka | SWANSON Willmar | BACHMEIER Oakdale |
| 1996 | KANNANKUTTY | STMARTIN | LARSON | SONNENBERG BACHMEIER | BACHMEIER Oakdale | RODEBERG <br> Hutchinson |
| 1997 | KANNANKUTTY | WARN | BEEMAN | BACHMEIER Oakdale | RODEBERG <br> Hutchinson | ASHFELD <br> Maple Grove |
| 1998 | KANNANKUTTY | WARN | WINSON | RODEBERG <br> Hutchinson | ASHFELD <br> Maple Grove | HALTER Grand Rapids |
| 1999 | KANNANKUTTY | WARN | WINSON | ASHFELD Maple Grove | VACANT | David Jessup Woodbury |

# 1999 MUNICIPAL SCREENING BOARD SPRING MEETING MINUTES <br> JUNE 2 AND 3, 1999 

I. Opening by Chairman Rodeberg

The 1999 Municipal Screening Board Spring Meeting was called to order at 1:10 p.m., June 2, 1999.
A. Chairman Rodeberg Introduced:

Ken Ashfeld, Maple Grove - Vice-Chair of the Municipal Screening Board
Ken Straus, Mn/DOT - Manager, Municipal State Aid Needs Unit
David Sonnenberg, - Chair of the Unencumbered Construction Fund Subcommittee and Past-Past Chair, Municipal Screening Board

Brian Bachmeier, Oakdale - Past Chair of the Municipal Screening Board
Ramankutty Kannankutty, Minneapolis - Chair of the Allocation Study Subcommittee

David Jessup, Woodbury - Secretary of the Screening Board
Tom Drake, Red Wing - Needs Study Subcommittee
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 |
| Lee Gustafson | David Olson | Steve Koehler | Dan Sarff |
| Minnetonka | Albert Lea | New Ulm | Litchfield |
| Metro East | Duluth | Minneapolis | St. Paul |
| Mark Burch | Mark Winson | Ramankutty | Ed Warn |
| White Bear Lake |  | Kannankutty |  |

## B. The Chair recognized Department of Transportation personnel.

| Mike Pinsonneault | Ken Hoeschen |
| :---: | :---: |
| Assistant State Aid Engineer | Manager, County State Aid Needs |
| Mike Tardy | Lou 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 |
| Greg Paulson | Doug Haeder |
| District 6 State Aid Engineer | District 7 State Aid Engineer |
| Tom Behm | Bob Brown |
| District State Aid Engineer | Metro Division State Aid Engineer |
| Khani Sahebjam | Marshall Johnston |
| State Aid Pre-Letting Engineer | Municipal State Aid Needs |
| Patti Loken | Greg Felt |
| Assistant Metro District State Aid Engineer | Assistant Metro District State Aid Engineer |

C. The Chair recognized others in attendance.

Mike Metso
District 2 Alternate

Larry Koshak
District 3 Alternate
Keith Nelson
District 8 Alternate
David Kreager
City of Duluth
Larry Veek
City of Minneapolis

Dan Sabin
City of Minneapolis
Ani Mehna
City of Minneapolis
Cheri Trenda
Mn. T2 / LTAP, University of Minnesota
Greg Peterson
City of St. Paul

## II. 1999 Municipal State Aid Needs Report

A. The Fall, 1998 Screening Board Minutes were presented for approval.

A motion was made to approve the minutes. Motion carried.
B. Ken Straus reviewed the Municipal Needs Report dated June, 1999.

He suggested the Board review the report in detail today and any action that is required should be taken Thursday morning. This will give Board members the evening to digest the information. Mr. Straus went through and highlighted the Municipal Needs Report. Mr. Straus noted the report includes an analysis of the unit prices during the last 10-year period.
C. Needs Study Subcommittee Recommendations. Tom Drake, Chairman of the Needs Study Subcommittee reviewed the Subcommittee recommendations.

1. MSAS Construction Cost Index

The Subcommittee is recommending the use of the Municipal State Aid Annual construction costs index in calculating the unit prices.
2. Unit Prices by District The subcommittee reviewed in detail a 5-year analysis of Unit Prices by $\mathrm{Mn} / \mathrm{DOT}$ districts submitted to it by the MSAS Needs Unit. Chairman Drake indicated there were greater differences in the time of the year that contracts were let than there were differences between districts. He further pointed out there were major differences between various areas or cities within the districts as well. The Subcommittee recommends the unit prices continue to be based on a state-wide basis.
3. Street Lighting Costs

After considerable discussion and investigation, the Needs Study Subcommittee is recommending street lighting needs be increased from $\$ 20,000.00$ to $\$ 35,000.00$ per mile. Needs are assigned to every mile on the MSAS system.

Considerable discussion occurred regarding the unit prices for street lighting. Various approaches to establishing the street lighting unit price were suggested. These approaches included looking at lighting needs of every roadway based upon the roadway width and traffic, developing a normalized street and use it as a basis for needs, look at both pedestrian and vehicle lighting needs, consider the type and materials of lighting desired, consider decorative lighting costs, consider AASHTO standards,
consider MnDOT standards. There was general consensus that additional work needed to be performed on street lighting unit prices.
4. Reconditioning Needs For Roadways.

The Needs Study Subcommittee recommended a 20 -year after-the-fact negative needs adjustment when reconditioning is done on a street receiving complete needs. The adjustment would be made on a basis of need unit prices versus contract prices.

There was considerable discussion regarding what constitutes reconditioning versus other major maintenance or reconstruction procedures. Some individuals felt that negative needs are confusing. Several individuals expressed a concern that 20 years is to long of a period. Some felt the needs adjustment should be reduced to 10 -years. An alternative approach should be to simply lose all needs for a 10 -year period if a roadway is reconditioned.
5. Bridge Unit Prices.

The Office of State Aid and MnDOT Divisions have on-going concerns regarding the basis for establishing needs for bridge structures. They have asked that this item be laid over to the fall of 1999 so further evaluation can be preformed.
6. Improvements on County State Aid Highway Bridges.

Ken Strauss recommended this item be forwarded to the Needs Subcommittee for further consideration. Ed Warn, St. Paul, stated his support for both MSAS and CSAH bridges over freeways receiving after the fact needs. On the CSAH system, a county receives an after-the-fact needs adjustment if CSAH funds are spent on a Trunk Highway bridge, while the MSAS system receives no adjustment. The issue is, should the cities which spend money on a Trunk Highway bridge, receive an adjustment. Depending upon the type of improvement which are made, this additional life expectancy may not be realized. Chairman Drake indicated the Subcommittee was concerned about the same issue. He indicated there is a question as to what is maintenance (therefore, no adjustment is received).
7. Trunk Highway Turn-backs

The question is to what extent needs should be considered for trunk highways which are turned back to a city if the roadway is still eligible for MnDOT maintenance and/or construction funding. It is the Needs Study Subcommittee recommendation this issue needs to be evaluated further. Ken Straus indicated that County State Aid Highway turn-backs can have even a greater impact on the Municipal State Aids System needs than trunk highway turn-backs.
8. General Fund Advances

Ken Straus indicated the State Aid for local transportation had determined the general fund balance could be reduced from $\$ 35,000,000.00$ to $\$ 25,000,000.00$. This made available approximately $\$ 10,000,000.00$ for advancement to cities. The allocation of these funds has been done on a first-come, first-serve basis based upon the resolutions submitted by the cities if they then in turn requested the funds within a 2 -month period. There was discussion regarding how the threshold of $\$ 25,000,000.00$ was established, to what extent it considered the unencumbered fund balances of those cities having large unencumbered balances and to what extent the repayment of loans affected the analysis. Ed Warn, St. Paul stated he felt the unencumbered funds Subcommittee should look at the following sources as potential additional funds for advancement.

- $5 \%$ of contract amounts withheld until individual projects are closed out.
- The Disaster Fund which represents approximately $\$ 4.7$ million or $5 \%$ of the annual allocation.
- The Research account which is approximately $1 / 2 \%$ of the annual allocation or approximately $\$ 500,000.00$. It was suggested the Subcommittee should investigate what legislative restrictions and rules apply to these funds and what affect they might have upon the Screening Board's ability to change how these funds are utilized.
D. Unencumbered Funds Subcommittee

1. Subcommittee Chairman, David Sonnenberg has received information from 16 cities having unencumbered balances greater than 3 times their annual construction allotment. Based upon the explanations received from the various cities, the Subcommittee recommends no actions or adjustments to the individual city needs be made nor changes in the procedures be initiated. The Unencumbered Funds Subcommittee felt most cities had provided an acceptable explanation of why they have an unencumbered fund balance of greater than 3 times their annual allocation and their anticipated plans for how they will be spending this unencumbered balance.
2. The Subcommittee recommends the unencumbered balances continue to be monitored.
3. Advanced Funding Levels. Upon review, the unencumbered construction fund subcommittee recommends advances be limited to cities annual construction allocation rather than its annual total allocation. This will make advancement of funds available to more cities as well as the acceleration of payback of the funds advance.

## E. Other Matters

1. Status of Municipal Traffic Counting. Ken Straus outlined the need to update the traffic counting resolution wording to reflect the option of cities counting traffic either every 2 or 4 years. This represents a housekeeping matter as a procedure to allow cities to count traffic on either 2 or 4 years has already been implemented.
2. Metro Division's Screening Board representative terms. The current terms for both the east and west Metro Screening Board representatives' terms expire on the same year. The question has been raised as to whether these terms should be staggered to provide better continuity of representation for the Metro area. Lee Gustafson indicated he felt it would be appropriate for the terms to be staggered to provide for better continuity.
3. Mark Winson expressed concern regarding the Metric to English Conversion. He indicated in many cases the conversion from metric to english units does not revert back to the original english dimensions prior to the conversion to metric. Mike Pinsonneault indicated that within several weeks, the State Aid Division hopes to have authority to administratively grant variance to address the metric to english conversion issue.

There being no more business discussion brought forward, a motion to adjourn until 8:30 Thursday morning was adopted.

Meeting adjourned 3:18 p.m.

## JUNE 3, 1999 MORNING SESSION

The Screening Board reconvened at 8:05 a.m., Thursday, June 3, 1999
III. Formal actions taken by the Screening Board.
A. Unit Price Recommendation

Mark Burch moved to adopt the unit price recommendations contained in the June Municipal Screening Board data report. Motion seconded by Mark Winson. Motion carried.
B. Basis for Unit Price

A motion was made by Tim Schoonoven to accept the Needs Study Subcommittee recommendation that unit prices for the Needs Study continue to be based upon a Statewide average. Motion seconded by Dave Salo. Motion carried.
C. Recondition Needs Adjustment:

The suggested wording for the new resolution reads:
If the life of a street is extended by widening, reconditioning, or rehabilitation, while receiving complete needs, it shall continue to receive complete needs but will receive a negative needs adjustment for a period of twenty (20) years to the city's total needs. The adjustment will be computed of needs items only by multiplying the plan quantities against the needs prices in the year it was constructed.

If a concrete roadway is widened, reconditioned, or rehabilitated, it will be prorated using the bituminous needs cost. The quantities will be computed based on the needs quantity table for the segment's soil factor and projected traffic for the reconstructed surface area. The adjustment will not be made for mill and bituminous overlays and turn lanes.

The question is, should the following paragraph be added to the Reconditioning Needs Adjustment Resolution?
A street shall be considered as being adequate for 20-years from the date of resurfacing when bituminous or concrete is totally removed to the gravel base whether or not modifications were made to the base.

It was moved by Mark Winson and seconded by Steve Koehler to amend paragraph one from 20 years to 10 years and to not include the additional paragraph. Discussion followed regarding the time period negative needs are received; if less than $20 \%$ of the curb is replaced is it still considered reconditioning; the definition of "reconditioning" as it relates to other
maintenance techniques; the system penalize cities who are proactive in their maintenance programs; the needs system is getting every-more complicated. Perhaps it needs to be simplified. Ed Warn moved to table the resolution and return it to the Needs Subcommittee for further consideration. Lee Gustafson seconded the motion. Motion carried. Mark Winson opposed.
D. Bridge Needs

It was moved by Ramankutty Kannankutty and seconded by Mark Burch to return the issue of bridge needs to the Needs Sub-committee for further consideration. Motion carried.
E. Street Lighting Costs

Ed Warn moved to send the street lighting unit price analysis back to the Needs Subcommittee to look further at AASHTO standards, other standards if applicable, to recommend a per-mile street lighting cost and to consider the potential use of after-the-fact needs for street lighting. Ramankutty Kannankutty seconded the motion. Discussion regarding the motion included the following:

- Keep the street lighting cost unit price calculations as simple as possible.
- Determine what a realistic amount would be for cost of street lighting.
- Establish a standard roadway street lighting as the basis for the unit prices.
- Establish a minimal lighting standard and make it a requirement for actual construction requirements.

Upon vote, the motion carried. Mark Winson and David Salo voted against the motion.
F. Trunk Highway Tumback

It was moved by Ramankutty Kannankutty, seconded by Mark Winson, to return the trunk highway turnback needs adjustments to the Needs Sub-committee for further review and study. Motion carried.
G. Unencumbered Fund Balance Adjustment

Based upon the Unencumbered Funds Subcommittee's recommendation and the explanations received by the affected cities, it was decided not to give additional adjustments to cities with over 3 times their annual allotment in their account.
H. Advanced Funding

A motion was made by Mark Burch and seconded by David Kildahl to limit annual advances to the amount of the city's annual construction allotment. Motion carried.
I. Metro District Screen Board Representation Terms It was moved by Mark Winson, Seconded by David Olson to have State Aid implement staggered terms for the Metro District Representatives when the opportunity presents itself. Motion carried.

## J. Traffic Counting

David Salo moved, Mark Winson seconded a motion to adopt the following resolution:

That the 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 to four years at the discretion of the city.
2. The cities in the out-state area may have their traffic counted and maps prepared by State forces every four years, or may elect to continue the present procedure of taking their own counts and have state forces prepare the maps.
3. Any city may count traffic with their own forces every two years at their discretion and expense, unless the municipality has made arrangements with the $\mathrm{Mn} / \mathrm{DOT}$ district to do the count.

Motion carried.
K. Unencumbered Fund Balance / Reserve Fund

Ed Warn moved, Lee Gustafson seconded a motion to lower the Reserve Fund from $\$ 35,000,000.00$ to $\$ 25,000,000.00$ for use in advancing funds to cities.

Motion carried.
Ed Warn moved, Mark Winson seconded a motion to request the Unencumbered Construction Fund Subcommittee to investigate the potential use of the following funds to increase the amount of funds available to advance.

1. $5 \%$ balance associated with the final report of State Aid contracts.
2. Can the Disaster Fund be reduced or eliminated entirely?
3. Should the Research account be decreased to $1 / 4 \%$ ?

Motion carried.
L. Other Topics

1. Closing comments by Mike Pinsonneault.

Mike Pinsonneault indicated the 3 items to be investigated as part of the unencumbered balance may be set forth in law and may not be able to be modified by the Screening Board.
2. Chairman Rodeberg expressed his thanks to Tom Drake, Chairman of the Needs Study Subcommittee, David Sonnenberg, Chairman of the Unencumbered Construction Fund Subcommittee, Ramankutty Kannankutty, Chair of the Allocation Study Subcommittee, members of
the respective subcommittees and the Screening Board for their excellent work.
3. Resolution of appreciation for Ken Strauss. Ed Warn moved, Ramankutty Kannankutty seconded a motion to commend Ken Strauss and show the Screening Boards appreciation for his excellent work and accomplishment in supporting the Cities and State Aid system and wishing him the very best in his retirement.

Motion carried.
4. Recognition and statement of appreciation for Mark Winson who will be leaving the Screening Board and wishing him well in his new employment opportunities.
5. Invitation to attend the joint County Engineers and Municipal Screening Board meeting scheduled to occur at 10:00 a.m.
6. Announcement and invitation for all to attend the Summer City Engineers Association of Minnesota Business Meeting to be held July $17^{\text {th }}$ at the Radisson Hotel in Rochester, Minnesota.
IV. Adjournment
A. A motion was made by Lee Gustafson and seconded by Ramankutty Kannankutty to adjourn the June 3rd Municipal Screening Board Meeting.

Motion carried.
Meeting adjourned 9:15 a.m.

Respectfully Submitted,


MSA Screeping Board Secretary
Woodbury, Director of Public Works

## MILEAGE, NEEDS AND APPORTIONMENT

The amount to be allocated in 2000 is unknown at this time so an estimated amount of $\$ 97,457,150$ is used in this report. This is a similar amount that was used for the 1999 apportionment. The actual amount will be announced in January 2000 when the Commissioner of Transportation makes a determination of the $\mathbf{2 0 0 0}$ 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 $\mathbf{2 0 \%}$ is allowed for M.S.A. street designation, Trunk and County Turnbacks and the number of cities over $\mathbf{5 , 0 0 0}$ population.

## M.S.A.S. Mileage, Needs and Apportionment 1958 to 2000

2000 figures do not include Waconia

| Appt. <br> Year | Number of of Municipalities | Needs Mileage | Actual 25 Year Construction Needs | Total Apportment | Adjusted 25 Year Construction Needs | Total <br> 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 |
| 195 | 59 | 938.36 | 195,749,800 | 8,108,428 | 195,749,800 | 8,641.06 | 20.7112 |
| 196 | 59 | 968.82 | 214,494,178 | 8,370,596 | 197,971,488 | 8,639.99 | 21.1409 |
| 196 | 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 |
| 197 | 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 |
| 198 | 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 | 26.7316 |
| 1999 | 126 | 2859.05 | 1,927,808,456 | 97,457,150 | 1,981,933,166 | 34,087.25 | 24.4674 |
| 2000 | 12 | 2906.22 | 2,040,402,556 | 97,457,150 | 2,070,839,696 | 33,533.99 | 23.5308 |

[^0]Waconia's Mileage is Not Certified

| Municipality | 1998 <br> M.S.A.S. <br> Needs <br> Mileage | 1999 <br> M.S.A.S. <br> Needs <br> Mileage | $\begin{array}{\|c} \hline \text { Difference } \\ \text { In } \\ \text { Mileage } \end{array}$ | Municipality | 1998 M.S.A.S. Needs Mileage | 1999 <br> M.S.A.S. <br> Needs <br> Mileage | $\begin{array}{\|c} \hline \text { Difference } \\ \text { in } \\ \text { Mileage } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albert Lea | 18.74 | 18.74 | 0.00 | Farmington | 11.96 | 11.96 | 0.00 |
| Alexandria | 14.12 | 14.39 | 0.27 | Fergus Falls | 23.14 | 24.34 | 1.20 |
| Andover | 33.80 | 33.80 | 0.00 | Forest Lake | 5.53 | 5.53 | 0.00 |
| Anoka | 11.98 | 12.64 | 0.66 | Fridley | 25.24 | 25.02 | -0.22 |
| Apple Valley | 31.74 | 33.38 | 1.64 | Glencoe | 6.94 | 7.02 | 0.08 |
| Arden Hills | 7.41 | 7.41 | 0.00 | Golden Valley | 23.55 | 23.55 | 0.00 |
| Austin | 27.64 | 27.70 | 0.06 | Grand Rapids | 11.40 | 11.40 | 0.00 |
| Baxter | 12.70 | 12.70 | 0.00 | Ham Lake | 24.47 | 24.67 | 0.20 |
| Bemidji | 14.40 | 14.56 | 0.16 | Hastings | 16.09 | 16.09 | 0.00 |
| Blaine | 34.41 | 34.22 | -0.19 | Hermantown | 12.99 | 12.99 | 0.00 |
| Bloomington | 75.36 | 75.35 | -0.01 | Hibbing | 50.74 | 51.31 | 0.57 |
| Brainerd | 14.25 | 14.25 | 0.00 | Hopkins | 9.31 | 9.33 | 0.02 |
| Brooklyn Center | 21.65 | 21.56 | -0.09 | Hugo | 14.69 | 15.97 | 1.28 |
| Brooklyn Park | 46.68 | 46.62 | -0.06 | Hutchinson | 14.73 | 14.73 | 0.00 |
| Buffalo | 9.46 | 9.86 | 0.40 | International Falls | 8.06 | 8.06 | 0.00 |
| Burnsville | 43.70 | 43.70 | 0.00 | Inver Grove Heights | 23.86 | 23.86 | 0.00 |
| Cambridge | 9.21 | 10.74 | 1.53 | Lake Elmo | 11.48 | 11.87 | 0.39 |
| Champlin | 17.01 | 17.01 | 0.00 | Lakeville | 43.59 | 47.64 | 4.05 |
| Chanhassen | 21.19 | 20.87 | -0.32 | Lino Lakes | 18.67 | 18.67 | 0.00 |
| Chaska | 14.87 | 15.30 | 0.43 | Litchfield | 8.09 | 8.58 | 0.49 |
| Chisholm | 7.99 | 7.99 | 0.00 | Little Canada | 8.01 | 10.94 | 2.93 |
| Cloquet | 20.12 | 20.14 | 0.02 | Little Falls | 15.67 | 15.67 | 0.00 |
| Columbia Heights | 12.53 | 12.53 | 0.00 | Mahtomedi | 8.22 | 8.33 | 0.11 |
| Coon Rapids | 40.97 | 40.97 | 0.00 | Mankato ** | 29.32 | 29.32 | 0.00 |
| Corcoran | 14.72 | 14.72 | 0.00 | Maple Grove | 41.99 | 45.09 | 3.10 |
| Cottage Grove | 29.41 | 30.24 | 0.83 | Maplewood | 23.91 | 25.48 | 1.57 |
| Crookston | 11.46 | 11.53 | 0.07 | 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 | 194.41 | 202.12 | 7.71 |
| Detroit Lakes | 12.41 | 12.41 | 0.00 | Minnetonka | 49.90 | 49.89 | -0.01 |
| Duluth | 105.89 | 111.31 | 5.42 | Montevideo | 8.58 | 8.58 | 0.00 |
| Eagan | 46.13 | 46.13 | 0.00 | Monticello | 7.80 | 7.80 | 0.00 |
| East Bethel | 25.48 | 26.58 | 1.10 | Moorhead ** | 28.48 | 28.94 | 0.46 |
| East Grand Forks | 12.48 | 12.48 | 0.00 | Morris | 7.74 | 7.74 | 0.00 |
| 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 | 26.17 | 0.39 | New Brighton | 14.95 | 14.95 | 0.00 |
| Fairmont | 19.41 | 19.41 | 0.00 | New Hope | 12.70 | 12.70 | 0.00 |
| Falcon Heights | 2.54 | 2.54 | 0.00 | New Ulm | 14.16 | 15.33 | 1.17 |
| Faribault | 22.06 | 22.22 | 0.16 | North Branch | 20.89 | 20.89 | 0.00 |

[^1]| Municipality | $1998$ <br> M.S.A.S. <br> Needs Mileage | $1999$ <br> M.S.A.S. <br> Needs Mileage | Difference <br> In Mileage |
| :---: | :---: | :---: | :---: |
| North Mankato | 12.56 | 13.06 | 0.50 |
| 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 | 50.05 | 51.66 | 1.61 |
| Prior Lake | 15.14 | 15.14 | 0.00 |
| Ramsey | 29.18 | 29.18 | 0.00 |
| Red Wing ** | 22.24 | 22.93 | 0.69 |
| Redwood Falls | 7.87 | 7.87 | 0.00 |
| Richfield | 26.22 | 25.49 | -0.73 |
| Robbinsdale | 10.10 | 10.10 | 0.00 |
| Rochester | 60.48 | 60.48 | 0.00 |
| Rosemount | 22.32 | 21.45 | -0.87 |
| Roseville | 28.60 | 28.60 | 0.00 |
| St. Anthony | 5.63 | 5.63 | 0.00 |
| St. Cloud | 52.22 | 51.97 | -0.25 |
| St. Louis Park | 28.92 | 28.65 | -0.27 |
| St. Michael | 14.77 | 14.77 | 0.00 |
| St. Paul ** | 164.32 | 164.13 | -0.19 |
| St. Paul Park | 5.30 | 5.30 | 0.00 |
| St. Peter | 11.70 | 12.53 | 0.83 |
| Sartell | 7.63 | 8.46 | 0.83 |
| Sauk Rapids | 10.17 | 10.17 | 0.00 |
| Savage | 16.36 | 16.85 | 0.49 |
| Shakopee | 19.48 | 19.98 | 0.50 |
| Shoreview | 16.75 | 16.75 | 0.00 |
| Shorewood | 8.24 | 8.24 | 0.00 |
| South St. Paul | 16.32 | 16.32 | 0.00 |
| Spring Lake Park | 5.25 | 5.34 | 0.09 |
| Stewartville | 3.54 | 3.54 | 0.00 |
| Stillwater | 14.02 | 14.02 | 0.00 |
| Thief River Falls | 13.99 | 14.66 | 0.67 |
| Vadnais Heights | 7.43 | 8.32 | 0.89 |
| Virginia | 12.33 | 13.67 | 1.34 |
| Waconia | 0.00 | 5.52 | 5.52 |
| Waite Park | 6.45 | 6.48 | 0.03 |
| Waseca | 6.42 | 6.42 | 0.00 |
| West St. Paul | 13.10 | 13.10 | 0.00 |
| White Bear Lake | 19.22 | 19.60 | 0.38 |
| Willmar | 23.90 | 23.90 | 0.00 |
| Winona | 21.75 | 21.75 | 0.00 |
| Woodbury | 40.16 | 43.22 | 3.06 |
| Worthington | 9.81 | 9.81 | 0.00 |
| TOTAL | 2859.05 | 2911.74 | 52.69 |

The State Demographer's and Metropolitan Council's 1998 population estimates along with the Federal Census will be used to allocate $50 \%$ of the funds in the 2000 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 $\$ 15.40$ per capita in apportionment from the 2000 population apportionment distribution. This projection will be somewhat revised when the actual revenue for the 2000 apportionment becomes available or if additional cities should exceed $\mathbf{5 , 0 0 0}$ population prior to January 1, 2000.

The following adjustments were made to the 1990 census and the 1998 estimate due to annexations.

| Grand Rapids | +3 | Mankato | +4 |
| :--- | :--- | :--- | :--- |
| New Ulm | +8 | Rochester | +40 |
| Thief River Falls | +10 |  |  |

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.

Waconia was the only city added by the 1998 estimate.

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

|  | Municipality | 1990 or Special Census | 1995 <br> Population Estimate | $1996$ <br> Population Estimate | $1997$ <br> Population Estimato | 1998 <br> Population <br> Estimate | Difference <br> between 95896 Estimate | Difference between 96897 Estimate | Differance between 97. 898 Estinate | Difference between 98 Estimato 8. 90 Census | Population to be used for 2000 Allocation |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| *** | Albert Lea | 18,313 | 18,207 | 18,185 | 18,009 | 17,953 | (22) | (176) | (56) | (360) | 18,313 |
|  | Alexandria | 8,139 | 8,274 | 8,348 | 8,515 | 8,599 | 74 | 167 | 84 | 460 | 8,599 |
|  | Andover | 15,216 | 20,497 | 21,495 | 22,369 | 23,213 | 998 | 874 | 844 | 7,997 | 23,213 |
|  | Anoka | 17,192 | 17,533 | 17,693 | 17,831 | 17,964 | 160 | 138 | 133 | 772 | 17,964 |
|  | Apple Valley | 34,598 | 40,684 | 41,578 | 42,617 | 43,468 | 894 | 1,039 | 851 | 8,870 | 43,468 |
|  | Arden Hills | 9,199 | 9,560 | 9,678 | 9,692 | 9,737 | 118 | 14 | 45 | 538 | 9,737 |
|  | Austin | 21,961 | 22,055 | 22,086 | 22,016 | 22,028 | 31 | (70) | 12 | 67 | 22,028 |
| ***** | Baxter | 5,021 |  |  | 5,021 | 5,189 |  | 5,021 | 168 | 168 | 5,189 |
|  | Bemidji | 11,560 | 11,422 | 11,509 | 12,074 | 12,090 | 87 | 565 | 16 | 530 | 12,090 |
|  | Blaine | 38,975 | 42,268 | 43,029 | 43,847 | 44,852 | 761 | 818 | 1,005 | 5,877 | 44,852 |
|  | Bloomington | 86,335 | 86,912 | 87,292 | 87,370 | 87,476 | 380 | 78 | 106 | 1,141 | 87,476 |
|  | Brainerd | 12,825 | 12,579 | 12,591 | 13,163 | 13,183 | 12 | 572 | 20 | 358 | 13,183 |
| *** | Brooklyn Center | 28,887 | 28,463 | 28,502 | 28,515 | 28,535 | 39 | 13 | 20 | (352) | 28,887 |
|  | Brooklyn Park | 56,381 | 59,832 | 61,297 | 62,499 | 63,940 | 1,465 | 1,202 | 1,441 | 7,559 | 63,940 |
|  | Buffalo | 7,302 | 7,994 | 9,114 | 9,324 | 9,675 | 1,120 | 210 | 351 | 2,373 | 9,675 |
|  | Burnsville | 51,288 | 55,550 | 56,952 | 57,578 | 58,705 | 1,402 | 626 | 1,127 | 7,417 | 58,705 |
|  | Cambridge | 5,119 | 5,325 | 5,356 | 5,337 | 5,334 | 31 | (19) | (3) | 215 | 5,334 |
|  | Champlin | 16,849 | 19,154 | 19,838 | 20,307 | 20,385 | 684 | 469 | 78 | 3,536 | 20,385 |
|  | Chanhassen | 11,736 | 15,231 | 16,199 | 16,917 | 17,381 | 968 | 718 | 464 | 5,645 | 17,381 |
|  | Chaska | 11,339 | 14,000 | 14,370 | 14,817 | 15,361 | 370 | 447 | 544 | 4,022 | 15,361 |
| *** | Chisholm | 5,290 | 5,170 | 5,167 | 5,141 | 5,118 | (3) | (26) | (23) | (172) | 5,290 |
|  | Cloquet | 10,885 | 11,160 | 11,164 | 11,180 | 11,154 | 4 | 16 | (26) | 269 | 11,154 |
| *** | Columbia Heights | 18,910 | 18,681 | 18,683 | 18,699 | 18,699 | 2 | 16 | 0 | (211) | 18,910 |
|  | Coon Rapids | 52,978 | 59,981 | 60,703 | 61,260 | 61,904 | 722 | 557 | 644 | 8,926 | 61,904 |
|  | Corcoran | 5,199 | 5,549 | 5,615 | 5,698 | 5,698 | 66 | 83 | 0 | 499 | 5,698 |
|  | Cottage Grove | 22,935 | 27,726 | 29,031 | 30,094 | 30,630 | 1,305 | 1,063 | 536 | 7,695 | 30,630 |
| *** | Crookston | 8,119 | 8,135 | 8,152 | 8,116 | 8,137 | 17 | (36) | 21 | 18 | 8,137 |
| *** | Crystal | 23,788 | 23,661 | 23,667 | 23,651 | 23,677 | 6 | (16) | 26 | (111) | 23,788 |
| ***** | Dayton | 5,058 |  | 5,058 | 5,122 | 5,144 | 5,058 | 64 | 22 | 86 | 5,144 |
|  | Detroit Lakes | 7,151 | 7,317 | 7,324 | 7,316 | 7,368 | 7 | (8) | 52 | 217 | 7,368 |
| *** | Duluth | 85,493 | 85,665 | 85,511 | 85,225 | 85,249 | (154) | (286) | 24 | (244) | 85,493 |


|  | Municipality | 1990 or Special Census | $1995$ <br> Population Estimate | $1996$ <br> Population Estimate | $1997$ <br> Population Estimate | $1998$ <br> Population Estimate | Difference between 95 \& 96 Estimate | Difference <br> between 968.97 Estimate | Difference between 97 : 98 Estimate | Difference between 98 Estimate 8. 90 Consus | Population to be used for 2000 Allocation |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Eagan | 47,409 | 56,681 | 57,757 | 59,021 | 60,073 | 1,076 | 1,264 | 1,052 | 12,664 | 60,073 |
|  | East Bethel | 8,050 | 8,995 | 9,172 | 9,723 | 10,055 | 177 | 551 | 332 | 2,005 | 10,055 |
|  | East Grand Forks | 8,658 | 8,983 | 9,003 | 9,048 | 8,044 | 20 | 45 | $(1,004)$ | (614) | 8,658 |
|  | Eden Prairie | 39,311 | 46,310 | 47,840 | 49,287 | 50,681 | 1,530 | 1,447 | 1,394 | 11,370 | 50,681 |
|  | Edina | 46,075 | 46,845 | 47,029 | 47,113 | 47,235 | 184 | 84 | 122 | 1,160 | 47,235 |
|  | Elk River | 11,143 | 13,286 | 14,019 | 14,667 | 15,714 | 733 | 648 | 1,047 | 4,571 | 15,714 |
|  | Fairmont | 11,265 | 11,340 | 11,337 | 11,339 | 11,316 | (3) | 2 | (23) | 51 | 11,316 |
|  | Falcon Heights | 5,380 | 5,355 | 5,384 | 5,389 | 5,386 | 29 | 5 | (3) | 6 | 5,386 |
|  | Faribault | 17,090 | 18,727 | 18,838 | 19,016 | 19,177 | 111 | 178 | 161 | 2,087 | 19,177 |
|  | Farmington | 5,943 | 7,708 | 8,770 | 9,763 | 10,563 | 1,062 | 993 | 800 | 4,620 | 10,563 |
|  | Fergus Falls | 12,701 | 12,876 | 13,079 | 13,217 | 13,224 | 203 | 138 | 7 | 523 | 13,224 |
|  | Forest Lake | 6,008 | 6,538 | 6,641 | 6,691 | 6,808 | 103 | 50 | 117 | 800 | 6,808 |
|  | Fridley | 28,335 | 28,204 | 28,267 | 28,419 | 28,626 | 63 | 152 | 207 | 291 | 28,626 |
| ** | Glencoe | 5,196 | 5,196 | 5,196 | 5,247 | 5,306 | 0 | 51 | 59 | 110 | 5,306 |
|  | Golden Valley | 20,971 | 20,911 | 20,870 | 20,986 | 21,001 | (41) | 116 | 15 | 30 | 21,001 |
|  | Grand Rapids | 7,979 | 8,159 | 8,366 | 8,434 | 8,498 | 207 | 68 | 64 | 519 | 8,498 |
|  | Ham Lake | 8,924 | 10,243 | 11,030 | 11,567 | 12,029 | 787 | 537 | 462 | 3,105 | 12,029 |
|  | Hastings | 15,478 | 16,392 | 16,920 | 17,268 | 17,626 | 528 | 348 | 358 | 2,148 | 17,626 |
|  | Hermantown | 6,761 | 7,093 | 7,133 | 7,182 | 7,211 | 40 | 49 | 29 | 450 | 7,211 |
| *** | Hibbing | 18,046 | 17,857 | 17,824 | 17,783 | 17,720 | (33) | (41) | (63) | (326) | 18,046 |
|  | Hopkins | 16,529 | 16,573 | 16,665 | 16,559 | 16,887 | 92 | (106) | 328 | 358 | 16,887 |
| ** | Hugo | 5,223 | 5,324 | 5,625 | 5,820 | 5,867 | 301 | 195 | 47 | 644 | 5,867 |
|  | Hutchinson | 11,502 | 12,505 | 12,587 | 12,753 | 12,989 | 82 | 166 | 236 | 1,487 | 12,989 |
| *** | International Falls | 8,301 | 7,828 | 7,810 | 7,751 | 7,704 | (18) | (59) | (47) | (597) | 8,301 |
|  | Inver Grove Heights | 22,477 | 26,012 | 26,981 | 27,917 | 29,151 | 969 | 936 | 1,234 | 6,674 | 29,151 |
|  | Lake Elmo | 5,876 | 6,148 | 6,192 | 6,328 | 6,493 | 44 | 136 | 165 | 617 | 6,493 |
| * | Lakeville | 33,274 | 34,292 | 36,002 | 37,303 | 38,506 | 1,710 | 1,301 | 1,203 | 5,232 | 38,506 |
|  | Lino Lakes | 8,807 | 13,097 | 13,756 | 14,560 | 15,053 | 659 | 804 | 493 | 6,246 | 15,053 |
|  | Litchfield | 6,090 | 6,133 | 6,138 | 6,278 | 6,276 | 5 | 140 | (2) | 186 | 6,276 |
|  | Little Canada | 8,971 | 9,337 | 9,469 | 9,564 | 9,626 | 132 | 95 | 62 | 655 | 9,626 |
|  | Little Falls | 7,388 | 7,595 | 7,647 | 7,670 | 7,660 | 52 | 23 | (10) | 272 | 7,660 |
|  | Mahtomedi | 5,633 | 6,543 | 6,865 | 7,097 | 7,282 | 322 | 232 | 185 | 1,649 | 7,282 |
|  | Mankato | 31,421 | 31,977 | 32,000 | 31,850 | 32,066 | 23 | (150) | 216 | 645 | 32,066 |
|  | Maple Grove | 38,736 | 44,313 | 44,996 | 46,181 | 47,164 | 683 | 1,185 | 983 | 8,428 | 47,164 |
|  | Maplewood | 30,954 | 33,533 | 34,008 | 34,771 | 35,355 | 475 | 763 | 584 | 4,401 | 35,355 |


|  | Municipality | 1990 <br> or Special Census | $1995$ <br> Population Estimate | $1996$ <br> Population Estimate | $1997$ <br> Population Estimate | $1998$ <br> Population Estimate | Difference <br> between $95 \& 96$ Estimato | Difference <br> between <br> $968: 97$ <br> Estimate | Difference <br> between <br> 978.98 <br> Estimate | Difference between 98 Estimate 8. 90 Consus | Population <br> to be used <br> for 2000 <br> Allocation |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Marshall | 12,023 | 12,331 | 12,348 | 12,542 | 12,686 | 17 | 194 | 144 | 663 | 12,686 |
|  | Mendota Heights | 9,388 | 10,757 | 10,856 | 10,991 | 10,293 | 99 | 135 | (698) | 905 | 10,293 |
| *** | Minneapolis | 368,383 | 365,889 | 364,382 | 362,090 | 360,591 | $(1,507)$ | $(2,292)$ | $(1,499)$ | $(7,792)$ | 368,383 |
|  | Minnetonka | 48,370 | 50,927 | 51,607 | 52,176 | 52,691 | 680 | 569 | 515 | 4,321 | 52,691 |
|  | Montevideo | 5,499 | 5,505 | 5,524 | 5,516 | 5,377 | 19 | (8) | (139) | (122) | 5,499 |
|  | Monticello | 5,045 | 5,885 | 6,334 | 6,749 | 7,079 | 449 | 415 | 330 | 2,034 | 7,079 |
|  | Moorhead | 32,295 | 33,675 | 33,800 | 33,812 | 33,928 | 125 | 12 | 116 | 1,633 | 33,928 |
|  | Morris | 5,613 | 5,627 | 5,663 | 5,739 | 5,686 | 36 | 76 | (53) | 73 | 5,686 |
|  | Mound | 9,634 | 9,584 | 9,695 | 9,742 | 9,778 | 111 | 47 | 36 | 144 | 9,778 |
|  | Mounds View | 12,541 | 12,561 | 12,789 | 12,854 | 12,859 | 228 | 65 | 5 | 318 | 12,859 |
|  | New Brighton | 22,207 | 22,538 | 22,584 | 22,768 | 22,854 | 46 | 184 | 86 | 647 | 22,854 |
| *** | New Hope | 21,853 | 21,646 | 21,698 | 21,658 | 21,610 | 52 | (40) | (48) | (243) | 21,853 |
|  | New Ulm | 13,140 | 13,628 | 13,881 | 14,001 | 14,018 | 253 | 120 | 17 | 878 | 14,018 |
| **** | North Branch | 5,140 | 5,354 | 5,726 | 6,079 | 6,344 | 372 | 353 | 265 | 1,204 | 6,344 |
|  | North Mankato | 10,672 | 11,340 | 11,566 | 11,683 | 11,764 | 226 | 117 | 81 | 1,092 | 11,764 |
|  | North St. Paul | 12,376 | 12,813 | 12,764 | 12,780 | 12,801 | (49) | 16 | 21 | 425 | 12,801 |
|  | Northfield | 14,684 | 15,667 | 15,859 | 16,051 | 16,206 | 192 | 192 | 155 | 1,522 | 16,206 |
| **** | Oak Grove | 5,488 | 6,097 | 6,254 | 6,436 | 6,572 | 157 | 182 | 136 | 1,084 | 6,572 |
|  | Oakdale | 18,403 | 23,835 | 24,862 | 25,419 | 26,061 | 1,027 | 557 | 642 | 7,658 | 26,061 |
|  | Orono | 7,285 | 7,476 | 7,577 | 7,671 | 7,702 | 101 | 94 | 31 | 417 | 7,702 |
|  | Otsego | 5,380 | 6,283 | 6,391 | 6,448 | 6,570 | 108 | 57 | 122 | 1,190 | 6,570 |
|  | Owatonna | 19,386 | 20,433 | 20,577 | 20,920 | 21,186 | 144 | 343 | 266 | 1,800 | 21,186 |
|  | Plymouth | 50,889 | 58,960 | 60,344 | 61,620 | 62,979 | 1,384 | 1,276 | 1,359 | 12,090 | 62,979 |
|  | Prior Lake | 11,485 | 13,129 | 13,522 | 14,319 | 14,687 | 393 | 797 | 368 | 3,202 | 14,687 |
|  | Ramsey | 12,408 | 15,805 | 16,431 | 17,372 | 18,079 | 626 | 941 | 707 | 5,671 | 18,079 |
|  | Red Wing | 15,134 | 15,701 | 15,770 | 15,792 | 15,854 | 69 | 22 | 62 | 720 | 15,854 |
| ** | Redwood Falls | 5,074 | 5,134 | 5,164 | 5,209 | 5,226 | 30 | 45 | 17 | 152 | 5,226 |
| *** | Richfield | 35,710 | 35,237 | 34,672 | 34,470 | 34,261 | (565) | (202) | (209) | $(1,449)$ | 35,710 |
| *** | Robbinsdale | 14,396 | 14,206 | 14,196 | 14,179 | 14,149 | (10) | (17) | (30) | (247) | 14,396 |
|  | Rochester | 71,131 | 76,559 | 77,219 | 78,291 | 80,226 | 660 | 1,072 | 1,935 | 9,095 | 80,226 |
|  | Rosemount | 8,622 | 11,721 | 12,272 | 12,772 | 13,146 | 551 | 500 | 374 | 4,524 | 13,146 |
|  | Roseville | 33,485 | 33,942 | 34,014 | 34,194 | 34,306 | 72 | 180 | 112 | 821 | 34,306 |
|  | St. Anthony | 7,727 | 8,362 | 8,400 | 8,425 | 8,419 | 38 | 25 | (6) | 692 | 8,419 |
|  | St. Cloud | 56,954 | 58,566 | 58,646 | 59,202 | 59,584 | 80 | 556 | 382 | 2,630 | 59,584 |
|  | St. Louis Park | 43,787 | 43,568 | 43,967 | 43,967 | 44,244 | 399 | 0 | 277 | 457 | 44,244 |

N

|  | Municipality | $1990$ <br> or Special Census | $1995$ <br> Population Estimate | $1996=1997$ <br> Population Population Estimate Estimato |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| **** | St. Michael | 5,867 | 6,559 | 6,875 | 7,262 | 7,643 | 316 | 387 | 381 | 1,776 | 7,643 |
| *** | St. Paul | 272,235 | 271,120 | 270,441 | 269,636 | 268,667 | (679) | (805) | (969) | $(3,568)$ | 272,235 |
| ***** | St. Paul Park | 5,024 |  | 5,024 | 5,024 | 5,046 | 5,024 | 0 | 22 | 22 | 5,046 |
|  | St. Peter | 9,481 | 9,833 | 9,789 | 9,788 | 9,797 | (44) | (1) | 9 | 316 | 9,797 |
|  | Sartell | 5,726 | 7,063 | 7,540 | 8,124 | 8,551 | 477 | 584 | 427 | 2,825 | 8,551 |
|  | Sauk Rapids | 7,825 | 9,216 | 9,318 | 9,460 | 9,590 | 102 | 142 | 130 | 1,765 | 9,590 |
|  | Savage | 9,906 | 14,444 | 15,152 | 16,002 | 17,040 | 708 | 850 | 1,038 | 7,134 | 17,040 |
|  | Shakopee | 11,739 | 13,752 | 14,292 | 15,311 | 16,043 | 540 | 1,019 | 732 | 4,304 | 16,043 |
|  | Shoreview | 24,587 | 26,049 | 26,118 | 26,378 | 26,427 | 69 | 260 | 49 | 1,840 | 26,427 |
|  | Shorewood | 5,913 | 6,794 | 6,889 | 6,955 | 7,008 | 95 | 66 | 53 | 1,095 | 7,008 |
|  | South St. Paul | 20,197 | 20,255 | 20,211 | 20,284 | 20,268 | (44) | 73 | (16) | 71 | 20,268 |
|  | Spring Lake Park | 6,532 | 6,717 | 6,742 | 7,061 | 7,113 | 25 | 319 | 52 | 581 | 7,113 |
| ***** | Stewartville | 5,032 |  | 5,032 | 5,111 | 5,222 | 5,032 | 79 | 111 | 190 | 5,222 |
|  | Stillwater | 13,972 | 15,739 | 15,906 | 16,069 | 16,133 | 167 | 163 | 64 | 2,161 | 16,133 |
|  | Thief River Falls | 8,020 | 8,053 | 8,285 | 8,333 | 8,344 | 232 | 48 | 11 | 324 | 8,344 |
|  | Vadnais Heights | 11,041 | 12,342 | 12,895 | 13,069 | 13,284 | 553 | 174 | 215 | 2,243 | 13,284 |
| *** | Virginia | 9,431 | 9,173 | 9,169 | 9,126 | 9,100 | (4) | (43) | (26) | (331) | 9,431 |
| ***** | Waconia |  |  |  |  | 5,309 |  |  | 5,309 | 5,309 | 5,309 |
|  | Waite Park | 5,460 | 5,922 | 5,970 | 6,087 | 6,190 | 48 | 117 | 103 | 730 | 6,190 |
|  | Waseca | 8,385 | 8,263 | 8,434 | 8,740 | 8,816 | 171 | 306 | 76 | 431 | 8,816 |
|  | West St. Paul | 19,248 | 19,421 | 19,450 | 19,496 | 19,521 | 29 | 46 | 25 | 273 | 19,521 |
|  | White Bear Lake | 24,622 | 25,849 | 26,017 | 26,152 | 26,485 | 168 | 135 | 333 | 1,863 | 26,485 |
|  | Willmar | 17,610 | 18,688 | 18,658 | 18,831 | 18,889 | (30) | 173 | 58 | 1,279 | 18,889 |
|  | Winona | 26,286 | 26,623 | 26,612 | 26,683 | 26,590 | (11) | 71 | (93) | 304 | 26,590 |
| * | Woodbury | 26,900 | 31,258 | 33,426 | 35,720 | 38,845 | 2,168 | 2,294 | 3,125 | 11,945 | 38,845 |
|  | Worthington | 9,977 | 10,260 | 10,411 | 10,461 | 10,304 | 151 | 50 | (157) | 327 | 10,304 |
|  | TOTAL | 2,888,569 | 3,021,628 | 3,072,413 | 3,111,982 | 3,148,259 | 50,785 | 4, 39,569 | - 36,277 | 259,690 | 3,164,998 |

* 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 1998 Estimate includes population increases or decreases due to annexations or detachments.

| Municipality | Population Used for 1999 <br> Allocation | Tentative <br> Population <br> to be used <br> for 2000 <br> Allocation | 1999 <br> Appt <br> Using 1990 <br> Census or <br> 97 Estimate | Tentative 2000 Appt: Using 1990 Census or 98 Estimate | Difference <br> Between $99 \& 2000$ <br> Apport. | \% Increase (Decrease) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albert Lea | 18,313 | 18,313 | \$285,549 | \$281,948 | $(\$ 3,601)$ | -1.2611 |
| Alexandria | 8,515 | 8,599 | 132,772 | 132,391 | (381) | -0.2870 |
| Andover | 22,369 | 23,213 | 348,793 | 357,389 | 8,596 | 2.4645 |
| Anoka | 17,831 | 17,964 | 278,034 | 276,575 | $(1,459)$ | -0.5248 |
| Apple Valley | 42,617 | 43,468 | 664,514 | 669,237 | 4,723 | 0.7107 |
| Arden Hills | 9,692 | 9,737 | 151,124 | 149,912 | $(1,212)$ | -0.8020 |
| Austin | 22,016 | 22,028 | 343,289 | 339,145 | $(4,144)$ | -1.2071 |
| Baxter | 5,021 | 5,189 | 78,291 | 79,890 | 1,599 | 2.0424 |
| Bemidji | 12,074 | 12,090 | 188,266 | 186,139 | $(2,127)$ | -1.1298 |
| Blaine | 43,847 | 44,852 | 683,693 | 690,545 | 6,852 | 1.0022 |
| Bloomington | 87,370 | 87,476 | 1,362,335 | 1,346,788 | $(15,547)$ | -1.1412 |
| Brainerd | 13,163 | 13,183 | 205,247 | 202,967 | $(2,280)$ | -1.1109 |
| Brooklyn Center | 28,887 | 28,887 | 450,426 | 444,747 | $(5,679)$ | -1.2608 |
| Brooklyn Park | 62,499 | 63,940 | 974,528 | 984,426 | 9,898 | 1.0157 |
| Buffalo | 9,324 | 9,675 | 145,386 | 148,957 | 3,571 | 2.4562 |
| Burnsville | 57,578 | 58,705 | 897,797 | 903,827 | 6,030 | 0.6716 |
| Cambridge | 5,337 | 5,334 | 83,218 | 82,123 | $(1,095)$ | -1.3158 |
| Champlin | 20,307 | 20,385 | 316,641 | 313,849 | $(2,792)$ | -0.8818 |
| Chanhassen | 16,917 | 17,381 | 263,782 | 267,599 | 3,817 | 1.4470 |
| Chaska | 14,817 | 15,361 | 231,037 | 236,499 | 5,462 | 2.3641 |
| Chisholm | 5,290 | 5,290 | 82,485 | 81,445 | $(1,040)$ | -1.2608 |
| Cloquet | 11,180 | 11,154 | 174,326 | 171,728 | $(2,598)$ | -1.4903 |
| Columbia Heights | 18,910 | 18,910 | 294,858 | 291,140 | $(3,718)$ | -1.2609 |
| Coon Rapids | 61,260 | 61,904 | 955,209 | 953,079 | $(2,130)$ | -0.2230 |
| Corcoran | 5,698 | 5,698 | 88,847 | 87,727 | $(1,120)$ | -1.2606 |
| Cottage Grove | 30,094 | 30,630 | 469,247 | 471,582 | 2,335 | 0.4976 |
| Crookston | 8,119 | 8,137 | 126,597 | 125,278 | $(1,319)$ | -1.0419 |
| Crystal | 23,788 | 23,788 | 370,919 | 366,242 | $(4,677)$ | -1.2609 |
| Dayton | 5,122 | 5,144 | 79,866 | 79,197 | (669) | -0.8377 |
| Detroit Lakes | 7,316 | 7,368 | 114,076 | 113,438 | (638) | -0.5593 |
| Duluth | 85,493 | 85,493 | 1,333,067 | 1,316,257 | $(16,810)$ | -1.2610 |
| Eagan | 59,021 | 60,073 | 920,297 | 924,889 | 4,592 | 0.4990 |
| East Bethel | 9,723 | 10,055 | 151,608 | 154,808 | 3,200 | 2.1107 |
| East Grand Forks | 9,048 | 8,658 | 141,083 | 133,299 | $(7,784)$ | -5.5173 |
| Eden Prairie | 49,287 | 50,681 | 768,518 | 780,289 | 11,771 | 1.5316 |


|  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| Municipality | Population Used for 1999 Allocation | Tentative Population to be used <br> for 2000 Allocation | 1999 <br> Appt <br> Using 1990 Census or 97 Estimate | Tentative 2000 Appt. <br> Using 1990 Census or 98 Estimate | Difference <br> Between $99 \& 2000$ Apport. | \% <br> Increase <br> (Decrease) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| New Hope | 21,853 | 21,853 | \$340,747 | \$336,451 | $(\$ 4,296)$ | -1.2608 |
| New Ulm | 14,001 | 14,018 | 218,313 | 215,822 | $(2,491)$ | -1.1410 |
| North Branch | 6,079 | 6,344 | 94,788 | 97,673 | 2,885 | 3.0436 |
| North Mankato | 11,683 | 11,764 | 182,170 | 181,120 | $(1,050)$ | -0.5764 |
| North St. Paul | 12,780 | 12,801 | 199,275 | 197,085 | $(2,190)$ | -1.0990 |
| Northfield | 16,051 | 16,206 | 250,279 | 249,509 | (770) | -0.3077 |
| Oak Grove | 6,436 | 6,572 | 100,355 | 101,183 | 828 | 0.8251 |
| Oakdale | 25,419 | 26,061 | 396,351 | 401,237 | 4,886 | 1.2327 |
| Orono | 7,671 | 7,702 | 119,612 | 118,581 | $(1,031)$ | -0.8620 |
| Otsego | 6,448 | 6,570 | 100,542 | 101,152 | 610 | 0.6067 |
| Owatonna | 20,920 | 21,186 | 326,199 | 326,181 | (18) | -0.0055 |
| Plymouth | 61,620 | 62,979 | 960,822 | 969,630 | 8,808 | 0.9167 |
| Prior Lake | 14,319 | 14,687 | 223,272 | 226,122 | 2,850 | 1.2765 |
| Ramsey | 17,372 | 18,079 | 270,876 | 278,346 | 7,470 | 2.7577 |
| Red Wing | 15,792 | 15,854 | 246,240 | 244,090 | $(2,150)$ | -0.8731 |
| Redwood Falls | 5,209 | 5,226 | 81,222 | 80,460 | (762) | -0.9382 |
| Richfield | 35,710 | 35,710 | 556,815 | 549,794 | $(7,021)$ | -1.2609 |
| Robbinsdale | 14,396 | 14,396 | 224,473 | 221,642 | $(2,831)$ | -1.2612 |
| Rochester | 78,291 | 80,226 | 1,220,768 | 1,235,166 | 14,398 | 1.1794 |
| Rosemount | 12,772 | 13,146 | 199,150 | 202,397 | 3,247 | 1.6304 |
| Roseville | 34,194 | 34,306 | 533,177 | 528,178 | $(4,999)$ | -0.9376 |
| St. Anthony | 8,425 | 8,419 | 131,369 | 129,620 | $(1,749)$ | -1.3314 |
| St. Cloud | 59,202 | 59,584 | 923,119 | 917,360 | $(5,759)$ | -0.6239 |
| St. Louis Park | 43,967 | 44,244 | 685,564 | 681,184 | $(4,380)$. | -0.6389 |
| St. Michael | 7,262 | 7,643 | 113,234 | 117,672 | 4,438 | 3.9193 |
| St. Paul | 272,235 | 272,235 | 4,244,880 | 4,191,353 | $(53,527)$ | -1.2610 |
| St. Paul Park | 5,024 | 5,046 | 78,338 | 77,689 | (649) | -0.8285 |
| St. Peter | 9,788 | 9,797 | 152,621 | 150,835 | (1,786) | -1.1702 |
| Sartell | 8,124 | 8,551 | 126,675 | 131,652 | 4,977 | 3.9290 |
| Sauk Rapids | 9,460 | 9,590 | 147,507 | 147,648 | 141 | 0.0956 |
| Savage | 16,002 | 17,040 | 249,514 | 262,349 | 12,835 | 5.1440 |
| Shakopee | 15,311 | 16,043 | 238,740 | 246,999 | 8,259 | 3.4594 |
| Shoreview | 26,378 | 26,427 | 411,304 | 406,872 | $(4,432)$ | -1.0775 |
| Shorewood | 6,955 | 7,008 | 108,447 | 107,896 | (551) | -0.5081 |
| South St. Paul | 20,284 | 20,268 | 316,282 | 312,048 | $(4,234)$ | -1.3387 |
| Spring Lake Park | 7,061 | 7,113 | 110,100 | 109,512 | (588) | -0.5341 |
| Stewartville | 5,111 | 5,222 | 79,694 | 80,398 | 704 | 0.8834 |
| Stillwater | 16,069 | 16,133 | 250,559 | 248,385 | $(2,174)$ | -0.8677 |
| Thief River Falls | 8,333 | 8,344 | 129,934 | 128,465 | $(1,469)$ | -1.1306 |
| Vadnais Heights | 13,069 | 13,284 | 203,781 | 204,522 | 741 | 0.3636 |
| Virginia | 9,431 | 9,431 | 147,055 | 145,200 | $(1,855)$ | -1.2614 |
| Waconia |  | 5,309 | 0 | 81,738 | 81,738 | 100.0000 |


| Municipality | Population <br> Used for 1999 <br> Allocation | Tentative <br> Population <br> to be used <br> for 2000 <br> Allocation | 1999 <br> Appt <br> Using 1990 Census or 97 Estimate | Tentative 2000 Appt. Using 1990 Census or 98 Estimate | Difference Between $99 \& 2000$ Apport. | \% <br> Increase <br> (Decreas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Waite Park | 6,087 | 6,190 | \$94,913 | \$95,302 | \$389 | 0.4098 |
| Waseca | 8,740 | 8,816 | 136,280 | 135,732 | (548) | -0.4021 |
| West St. Paul | 19,496 | 19,521 | 303,995 | 300,547 | $(3,448)$ | -1.1342 |
| White Bear Lake | 26,152 | 26,485 | 407,780 | 407,765 | (15) | -0.0037 |
| Willmar | 18,831 | 18,889 | 293,626 | 290,817 | $(2,809)$ | -0.9567 |
| Winona | 26,683 | 26,590 | 416,061 | 409,382 | $(6,679)$ | -1.6053 |
| Woodbury | 35,720 | 38,845 | 556,972 | 598,061 | 41,089 | 7.3772 |
| Worthington | 10,461 | 10,304 | 163,116 | 158,642 | $(4,474)$ | -2.7428 |
| TOTAL | 3,125,088 | 3,164,998 | \$48,728,575 | \$48,728,575 | SV | \% 0.0000 |

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

| 1999 | $\frac{\$ 48,728,575}{3,125,088}$ | Equals |  |
| :--- | ---: | :--- | :--- |
|  | $\frac{\$ 5.59270491}{}$ Per person |  |  |
| 2000 | $\frac{\$ 48,728,575}{3,164,998}$ | Equals |  |
|  |  |  |  |

The population difference between 1999 and 2000 for allocation purposes is 39,910 .

## 1999 Needs Study Update

The following tabulation reflects the total difference between the 1998 and the 1999 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. 1999 Traffic Count Update -- is the result of the 1998 traffic counts updated in 1999.
3. 1999 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 1999 Spring Meeting.

The resulting 1999 25-year Construction Needs as adjusted in the "Tentative Determination of Construction (Money) Needs Apportionment" will be used in computing the 2000 Construction (money) needs apportionment.

## 1999 M.S.A.S NEEDS STUDY UPDATE

(Does not include Waconia)

| Municipality |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albert Lea | \$12,221,563 | \$288,539 | \$0 | \$682,586 | \$13,192,688 | \$971,125 | 7.9460 |
| Alexandria | 8,053,165 | $(268,743)$ | 75,917 | 423,039 | 8,283,378 | 230,213 | 2.8587 |
| Andover | 16,775,098 | $(818,782)$ | 0 | 869,803 | 16,826,119 | 51,021 | 0.3041 |
| Anoka | 5,911,349 | 1,547,699 | 0 | 351,785 | 7,810,833 | 1,899,484 | 32.1328 |
| Apple Valley | 18,165,646 | 2,448,901 | 0 | 1,010,744 | 21,625,291 | 3,459,645 | 19.0450 |
| Arden Hills | 4,783,080 | 201,917 | 0 | 226,155 | 5,211,152 | 428,072 | 8.9497 |
| Austin | 23,243,270 | 979,869 | 0 | 903,315 | 25,126,454 | 1,883,184 | 8.1021 |
| Baxter | 9,363,100 | 0 | 0 | 377,391 | 9,740,491 | 377,391 | 4.0306 |
| Bemidji | 8,509,897 | 65,851 | 0 | 432,874 | 9,008,622 | 498,725 | 5.8605 |
| Blaine | 20,560,889 | (1,329,551) | 0 | 932,592 | 20,163,930 | $(396,959)$ | -1.9307 |
| Bloomington | 61,085,343 | 714,856 | 0 | 1,709,767 | 63,509,966 | 2,424,623 | 3.9692 |
| Brainerd | 7,283,823 | 238,735 | 0 | 430,306 | 7,952,864 | 669,041 | 9.1853 |
| Brooklyn Center | 11,448,063 | $(340,514)$ | 0 | 608,006 | 11,715,555 | 267,492 | 2.3366 |
| Brooklyn Park | 22,306,973 | $(1,378,317)$ | 0 | 1,138,858 | 22,067,514 | $(239,459)$ | -1.0735 |
| Buffalo | 8,746,128 | $(1,998,108)$ | 0 | 345,376 | 7,093,396 | $(1,652,732)$ | -18.8967 |
| Burnsville | 23,883,077 | 254,398 | 0 | 1,314,932 | 25,452,407 | 1,569,330 | 6.5709 |
| Cambridge | 4,845,476 | 498,963 | 0 | 237,196 | 5,581,635 | 736,159 | 15.1927 |
| Champlin | 7,885,005 | $(16,361)$ | 0 | 436,953 | 8,305,597 | 420,592 | 5.3341 |
| Chanhassen | 11,217,659 | 400,509 | 0 | 578,107 | 12,196,275 | 978,616 | 8.7239 |
| Chaska | 9,634,152 | 134,395 | 0 | 120,354 | 9,888,901 | 254,749 | 2.6442 |
| Chisholm | 4,508,951 | 223,417 | 0 | 233,320 | 4,965,688 | 456,737 | 10.1296 |
| Cloquet | 12,675,606 | $(330,950)$ | 26,091 | 75,470 | 12,446,217 | $(229,389)$ | -1.8097 |
| Columbia Heights | 8,700,798 | 122,501 | 0 | 419,494 | 9,242,793 | 541,995 | 6.2293 |
| Coon Rapids | 20,661,423 | 1,368,092 | 0 | 1,132,667 | 23,162,182 | 2,500,759 | 12.1035 |
| Corcoran | 5,814,396 | 0 | 0 | 341,814 | 6,156,210 | 341,814 | 5.8788 |
| Cottage Grove | 18,973,936 | (1,460,919) | 0 | 836,655 | 18,349,672 | $(624,264)$ | -3.2901 |
| Crookston | 14,840,505 | 60,049 | 0 | 359,159 | 15,259,713 | 419,208 | 2.8248 |
| Crystal | 11,720,880 | (1,319,877) | 0 | 531,064 | 10,932,067 | $(788,813)$ | -6.7300 |
| Dayton | 6,926,143 | $(730,539)$ | 0 | $(97,541)$ | 6,098,063 | $(828,080)$ | -11.9559 |
| Detroit Lakes | 6,458,851 | $(122,972)$ | 0 | 350,416 | 6,686,295 | 227,444 | 3.5214 |
| Duluth | \$72,895,025 | \$3,254,070 | 0 | 3,149,690 | 79,298,785 | \$6,403,760 | 8.7849 |
| Eagan | 21,730,648 | 0 | 0 | 1,269,925 | 23,000,573 | 1,269,925 | 5.8439 |
| East Bethel | 9,228,119 | 2,087,719 | 0 | 645,396 | 11,961,234 | 2,733,115 | 29.6172 |
| East Grand Forks | 6,741,946 | 96,819 | 0 | 361,874 | 7,200,639 | 458,693 | 6.8036 |


| Municlpality | 1998 Construction Needs | Accomplish. <br> \& System <br> Revisions | Traffic Update | Unit <br> Price <br> Update | Construction Needs | Net Change | $\begin{aligned} & \text { \% Change } \\ & 1998 \text { to } \\ & 1999 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Eden Prairie | \$25,904,035 | \$448,090 | \$0 | \$1,235,908 | \$27,588,033 | \$1,683,998 | 6.5009 |
| Edina | 22,860,313 | 0 | 0 | 1,180,592 | 24,040,905 | 1,180,592 | 5.1644 |
| Elk River | 17,424,814 | $(282,053)$ | 0 | 785,806 | 17,928,567 | 503,753 | 2.8910 |
| Fairmont | 18,732,261 | $(289,361)$ | 0 | 726,691 | 19,169,591 | 437,330 | 2.3346 |
| Falcon Heights | 970,801 | 82,408 | 0 | 67,379 | 1,120,588 | 149,787 | 15.4292 |
| Faribault | 16,478,974 | 1,945,281 | 0 | 771,920 | 19,196,175 | 2,717,201 | 16.4889 |
| Farmington | 11,888,120 | 0 | 0 | 429,314 | 12,317,434 | 429,314 | 3.6113 |
| Fergus Falls | 11,933,635 | 1,218,997 | 0 | 653,888 | 13,806,520 | 1,872,885 | 15.6942 |
| Forest Lake | 3,992,829 | 0 | 0 | 171,532 | 4,164,361 | 171,532 | 4.2960 |
| Fridley | 8,429,997 | $(140,840)$ | 0 | 618,818 | 8,907,975 | 477,978 | 5.6700 |
| Glencoe | 5,914,693 | $(1,060,719)$ | 0 | $(120,329)$ | 4,733,645 | $(1,181,048)$ | -19.9680 |
| Golden Valley | 14,322,804 | 129,519 | 0 | 560,098 | 15,012,421 | 689,617 | 4.8148 |
| Grand Rapids | 8,250,714 | 496,796 | 0 | 373,082 | 9,120,592 | 869,878 | 10.5431 |
| Ham Lake | 9,121,260 | (69,570) | 0 | 556,554 | 9,608,244 | 486,984 | 5.3390 |
| Hastings | 6,236,615 | 0 | 0 | 407,572 | 6,644,187 | 407,572 | 6.5351 |
| Hermantown | 5,430,426 | $(699,737)$ | 0 | 304,301 | 5,034,990 | $(395,436)$ | -7.2819 |
| Hibbing | 27,270,216 | 405,760 | 0 | 1,473,812 | 29,149,788 | 1,879,572 | 6.8924 |
| Hopkins | 8,056,491 | 71,870 | 0 | 343,839 | 8,472,200 | 415,709 | 5.1599 |
| Hugo | 8,623,482 | $(1,100,586)$ | 0 | 387,755 | 7,910,651 | $(712,831)$ | -8.2662 |
| Hutchinson | 9,871,644 | $(319,793)$ | 0 | 480,544 | 10,032,395 | 160,751 | 1.6284 |
| International Falls | 5,325,736 | 0 | 0 | 270,089 | 5,595,825 | 270,089 | 5.0714 |
| Inver Grove Height | 15,301,972 | $(670,402)$ | 0 | 694,085 | 15,325,655 | 23,683 | 0.1548 |
| Lake Elmo | 4,276,399 | $(310,473)$ | 0 | 274,418 | 4,240,344 | $(36,055)$ | -0.8431 |
| Lakeville | 28,823,235 | 3,367,612 | 0 | 1,563,090 | 33,753,937 | 4,930,702 | 17.1067 |
| Lino Lakes | 13,462,789 | (1,030,710) | 0 | 547,253 | 12,979,332 | $(483,457)$ | -3.5911 |
| Litchfield | 5,254,395 | 475,865 | 0 | 255,893 | 5,986,153 | 731,758 | 13.9266 |
| Little Canada | 6,440,679 | 2,090,079 | 0 | 353,425 | 8,884,183 | 2,443,504 | 37.9386 |
| Little Falls | 9,438,815 | 0 | 0 | 465,635 | 9,904,450 | 465,635 | 4.9332 |
| Mahtomedi | 3,663,717 | $(106,604)$ | 0 | 208,933 | 3,766,046 | 102,329 | 2.7930 |
| Mankato | 22,722,792 | $(1,376,641)$ | 0 | 221,390 | 21,567,541 | $(1,155,251)$ | -5.0841 |
| Maple Grove | 27,789,961 | 2,082,675 | 0 | 770,208 | 30,642,844 | 2,852,883 | 10.2659 |
| Maplewood | \$15,942,141 | \$353,043 | 0 | 761,476 | \$17,056,660 | \$1,114,519 | 6.9910 |
| Marshall | 8,825,247 | 0 | 0 | 27,300 | 8,852,547 | 27,300 | 0.3093 |
| Mendota Heights | 6,656,357 | 0 | 0 | 367,527 | 7,023,884 | 367,527 | 5.5214 |
| Minneapolis | 211,736,176 | 9,208,505 | 0 | 7,685,028 | 228,629,709 | 16,893,533 | 7.9786 |
| Minnetonka | 25,256,902 | $(33,951)$ | 0 | 1,368,810 | 26,591,761 | 1,334,859 | 5.2851 |
| Montevideo | 4,545,930 | $(70,236)$ | 0 | 241,092 | 4,716,786 | 170,856 | 3.7584 |
| Monticello | 4,951,660 | $(378,163)$ | 0 | 218,980 | 4,792,477 | $(159,183)$ | -3.2147 |
| Moorhead | 25,053,239 | 1,309,093 | 0 | $(86,656)$ | 26,275,676 | 1,222,437 | 4.8794 |


| Municipality | 1998 Accomplish\& SystemConstructionRevisions |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Morris | \$3,422,817 | $(\$ 70,067)$ | \$0 | \$205,249 | \$3,557,999 | \$135,182 | 3.9494 |
| Mound | 4,127,003 | 373,068 | 0 | 246,990 | 4,747,061 | 620,058 | 15.0244 |
| Mounds View | 5,667,196 | 0 | 0 | 270,015 | 5,937,211 | 270,015 | 4.7645 |
| New Brighton | 7,800,383 | $(714,030)$ | 0 | 436,875 | 7,523,228 | $(277,155)$ | -3.5531 |
| New Hope | 11,318,697 | 0 | 0 | 484,298 | 11,802,995 | 484,298 | 4.2787 |
| New Ulm | 10,283,438 | 2,866,441 | 0 | 1,312,094 | 14,461,973 | 4,178,535 | 40.6336 |
| North Branch | 9,866,554 | $(106,261)$ | 0 | 974,442 | 10,734,735 | 868,181 | 8.7992 |
| North Mankato | 9,201,805 | 739,246 | 0 | 450,565 | 10,391,616 | 1,189,811 | 12.9302 |
| North St. Paul | 5,582,979 | 0 | 0 | 312,133 | 5,895,112 | 312,133 | 5.5908 |
| Northfield | 8,901,593 | 139,469 | 0 | 441,608 | 9,482,670 | 581,077 | 6.5278 |
| Oak Grove | 7,354,462 | 0 | 0 | 467,604 | 7,822,066 | 467,604 | 6.3581 |
| Oakdale | 9,275,807 | $(417,243)$ | 0 | 454,732 | 9,313,296 | 37,489 | 0.4042 |
| Orono | 10,144,172 | 0 | 0 | 399,294 | 10,543,466 | 399,294 | 3.9362 |
| Otsego | 9,397,180 | 0 | 0 | 404,836 | 9,802,016 | 404,836 | 4.3081 |
| Owatonna | 12,765,806 | 577,797 | 0 | 565,912 | 13,909,515 | 1,143,709 | 8.9592 |
| Plymouth | 29,133,370 | $(232,270)$ | 0 | 1,106,793 | 30,007,893 | 874,523 | 3.0018 |
| Prior Lake | 8,974,015 | $(290,012)$ | 0 | 420,749 | 9,104,752 | 130,737 | 1.4568 |
| Ramsey | 14,553,547 | 0 | 0 | 751,949 | 15,305,496 | 751,949 | 5.1668 |
| Red Wing | 16,172,608 | 1,275,399 | 0 | $(149,339)$ | 17,298,668 | 1,126,060 | 6.9628 |
| Redwood Falls | 5,658,851 | 0 | 0 | 266,397 | 5,925,248 | 266,397 | 4.7076 |
| Richfield | 16,254,601 | $(189,582)$ | 0 | 814,389 | 16,879,408 | 624,807 | 3.8439 |
| Robbinsdale | 5,251,620 | 681,265 | 0 | 293,358 | 6,226,243 | 974,623 | 18.5585 |
| Rochester | 43,588,938 | $(1,202,847)$ | $(423,992)$ | 1,531,765 | 43,493,864 | $(95,074)$ | -0.2181 |
| Rosemount | 14,423,400 | $(1,389,585)$ | 0 | 228,752 | 13,262,567 | (1,160,833) | -8.0483 |
| Roseville | 14,300,886 | (1,479,800) | 0 | 769,209 | 13,590,295 | $(710,591)$ | -4.9689 |
| St. Anthony | 4,390,293 | 0 | 0 | 199,174 | 4,589,467 | 199,174 | 4.5367 |
| St. Cloud | 32,864,363 | $(685,341)$ | 0 | 1,581,931 | 33,760,953 | 896,590 | 2.7282 |
| St. Louis Park | 23,458,575 | 622,530 | 0 | 665,000 | 24,746,105 | 1,287,530 | 5.4885 |
| St. Michael | 8,420,280 | 159,890 | 0 | 413,622 | 8,993,792 | 573,512 | 6.8111 |
| St. Paul | 168,369,037 | 4,522,271 | 0 | 5,950,999 | 178,842,307 | 10,473,270 | 6.2204 |
| St. Paul Park | 4,075,899 | 0 | 0 | 177,081 | 4,252,980 | 177,081 | 4.3446 |
| St. Peter | 8,965,635 | 127,233 | 0 | 398,778 | 9,491,646 | 526,011 | 5.8670 |
| Sartell | 4,797,810 | 517,616 | 0 | 238,135 | 5,553,561 | 755,751 | 15.7520 |
| Sauk Rapids | 5,365,662. | $(185,272)$ | 0 | 283,878 | 5,464,268 | 98,606 | 1.8377 |
| Savage | 13,244,006 | $(1,951,962)$ | 0 | 484,885 | 11,776,929 | $(1,467,077)$ | -11.0773 |
| Shakopee | 10,269,518 | $(49,638)$ | 0 | 572,236 | 10,792,116 | 522,598 | 5.0888 |
| Shoreview | 7,223,363 | $(340,599)$ | 0 | 417,234 | 7,299,998 | 76,635 | 1.0609 |
| Shorewood | 5,756,732 | 0 | 0 | 238,507 | 5,995,239 | 238,507 | 4.1431 |
| South St. Paul | 9,217,236 | 289,868 | 0 | 507,533 | 10,014,637 | 797,401 | 8.6512 |



The 1999 money needs reflects an increase due to the updating of the needs, new designations and an increase in unit prices. See the Screening Board Resolutions in the back of this book for the unit prices used in the 1999 needs computation.

The 1999 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 $\mathbf{\$ 5 2 8 , 7 1 2}$. Spring Lake Park has the lowest cost per mile with $\$ 298,102$ while Farmington has the highest cost with $\$ 855,674$ per mile.

Three cities which exceed $\$ 800,000$ per mile are listed alphabetically as follows: Fairmont, Farmington, and Minneapolis

COMPARISON OF NEEDS BETWEEN 1998 AND 1999

| Needs Year | Grading | Complete Storm Sewer | Sewer Adjustment | Base <br> Needs | Surface Needs | Total Shoulder Needs | Curb \& Gutter Construction |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998 | \$224,697,100 | \$200,169,900 | \$47,314,560 | \$332,667,207 | \$166,960,849 | \$1,542,900 | \$124,187,536 |
| 1999 | \$243,136,024 | \$205,483,800 | \$54,570,040 | \$356,721,640 | \$174,674,847 | \$1,668,477 | \$131,979,271 |
| Difference | \$18,438,924 | \$5,313,900 | \$7,255,480 | \$24,054,433 | \$7,713,998 | \$125,577 | \$7,791,735 |
| \% | 8.21\% | 2.65\% | 15.33\% | 7.23\% | 4.62\% | 8.14\% | 6.27\% |
|  |  |  |  |  |  |  |  |
| Needs Year | Sidewalk Construction | Traffic Signal Construction | Street Lighting Construction | Retaining Walls | Total Bridge Needs | Railroad Crossing Needs | Engineering |
| 1998 | \$157,647,600 | \$128,529,020 | \$56,342,200 | \$13,666,874 | \$116,580,486 | \$49,091,700 | \$305,445,315 |
| 1999 | \$176,379,120 | \$132,361,904 | \$101,717,700 | \$15,333,579 | \$116,779,206 | \$43,618,325 | \$322,104,612 |
| Difference | \$18,731,520 | \$3,832,884 | \$45,375,500 | \$1,666,705 | \$198,720 | (\$5,473,375) | \$16,659,297 |
| \% | 11.88\% | 2.98\% | 80.54\% | 12.20\% | 0.17\% | -11.15\% | 5.45\% |
|  |  |  |  |  |  |  |  |
| Needs <br> Year | Total <br> Maintenance Needs | Total Money Needs | Total Mileage | After the fact Right of way Needs | After the fac Bridge Needs | Overall Apportionment Needs | Needs To Apport, Ratio |
| 1998 | \$17,781,954 | \$1,927,808,456 | 2859.05 | \$60,111,319 | \$22,087,033 | \$2,157,421,114 | 22.1371 |
| 1999 | \$18,588,694 | \$2,010,402,556 | 2911.74 | \$68,247,044 | \$18,607,581 | \$2,097,257,181 | 21.5198 |
| Difference | \$806,740 | \$82,594,100 | 52.69 | \$8,135,725 | $(\$ 3,479,452)$ | $(\$ 60,163,933)$ | -0.6173 |
| \% | 4.54\% | 4.28\% | 1.84\% | 13.53\% | -15.75\% | -2.79\% |  |



## TENTATIVE 2000 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 2000.
$50 \%$ 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 "1999 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 1,1999 unencumbered construction fund balance was used as the adjustment in this report for estimating purposes. The unencumbered balance as of December 31,1999 will be used for the 2000 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 2000 Tentative Construction Needs Apportionment Determination.

The adjustments are listed individually following the tentative summary of adjustments to the 25 year actual 1999 Construction Needs.

TENTATIVE 2000 ADJUSTED CONSTRUCTION NEEDS APPORTIONMENT
Needs Value: $\$ 1$ in construction needs = approximately $\$ .02339$ in apportionment
Waconia's needs were based on 5.52 miles times $\$ 350,616$

| Municlpallty | 1999 Actual 25-Year Construction Needs |  | Warna Whaty Bond Account Ajustmont |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albert Lea | \$13,192,688 | $(\$ 876,406)$ | --- | - -- | \$6,827 | $(\$ 869,579)$ | \$12,323,109 | \$288,356 | -- | \$288,356 | 0.5918 |
| Alexandria | 8,283,378 | 0 | - | -- | - -- | 0 | 8,283,378 | 193,828 | -- | 193,828 | 0.3978 |
| Andover | 16,826,119 | (494,854) | - -- |  | 152,490 | $(342,363)$ | 16,483,756 | 385,713 | - | 385,713 | 0.7916 |
| Anoka | 7,810,833 | $(13,529)$ | $\cdots$ | - - | 192,181 | 178,652 | 7,989,485 | 186,951 | -- | 186,951 | 0.3837 |
| Apple Valley | 21,625,291 | (1,575,654) | \$1,410,000 | -- | - -- | $(165,654)$ | 21,469,637 | 502,146 | -- | 502,146 | 1.0305 |
| Arden Hills | 5,211,152 | $(228,864)$ |  |  | - -- | $(228,864)$ | 4,982,288 | 116,583 | -- | 116,583 | 0.2392 |
| Austin | 25,126,454 | $(947,570)$ |  |  | 216,058 | (731,512) | 24,394,942 | 570,831 | -- | 570,831 | 1.1715 |
| Baxter | 9,740,491 | (290,612) | - -- | - -- | - -- | $(290,612)$ | 9,449,879 | 221,123 | -- | 221,123 | 0.4538 |
| Bemidji | 9,008,622 | $(1,037,093)$ | - -- | - | 220,201 | $(816,892)$ | 8,191,730 | 191,683 | - | 191,683 | 0.3934 |
| Blaine | 20,163,930 | $(1,850,576)$ | - -- | - | 486,514 | $(1,364,062)$ | 18,799,868 | 439,909 | - | 439,909 | 0.9028 |
| Bloomington | 63,509,966 | $(2,075,047)$ | - - | \$2,745,123 | 11,337,698 | 12,007,774 | 75,517,740 | 1,767,083 | - | 1,767,083 | 3.6264 |
| Bralnerd | 7,952,864 | $(1,375,286)$ | - - | - -- | 567,219 | $(808,067)$ | 7,144,797 | 167,185 | .- | 167,185 | 0.3431 |
| Brooklyn Center | 11,715,555 | $(474,630)$ | 1,055,000 | -- | 2,523,341 | 3,103,711 | 14,819,266 | 346,765 | -- | 346,765 | 0.7116 |
| Brooklyn Park | 22,067,514 | $(1,007,247)$ | -- | - -- | 708,327 | $(298,920)$ | 21,768,594 | 509,376 | \$21,168 | 530,544 | 1.0888 |
| Buffalo | 7,093,396 | 0 | -- | - -- | - -- | 0 | 7,093,396 | 165,982 | -- | 165,982 | 0.3406 |
| Burnsville | 25,452,407 | $(430,593)$ | -- | 412,627 | 1,334,446 | 1,316,480 | 26,768,887 | 626,381 | -- | 626,381 | 1.2854 |
| Cambridge | 5,581,635 | $(242,127)$ | 536,142 | -- | - -- | 294,015 | 5,875,650 | 137,488 | 15,480 | 152,968 | 0.3139 |
| Champlin | 8,305,597 | $(1,070,735)$ | - -- | - -- | 121,679 | $(949,056)$ | 7,356,541 | 172,140 | -- | 172,140 | 0.3533 |
| Chanhassen | 12,196,275 | $(1,039,435)$ | - -- | - -- | 65,000 | $(974,435)$ | 11,221,840 | 262,586 | 4,320 | 266,906 | 0.5477 |
| Chaska | 9,888,901 | $(473,535)$ | - - | 408,699 | 92,467 | 27,631 | 9,916,532 | 232,043 | -- | 232,043 | 0.4762 |
| Chisholm | 4,965,688 | $(394,864)$ | - -- | - -- | - -- | $(394,864)$ | 4,570,824 | 106,955 | 1,944 | 108,899 | 0.2235 |
| Cloquet | 12,446,217 | $(482,498)$ | 425,000 | -- | - -- | $(57,498)$ | 12,388,719 | 289,891 | 4,752 | 294,643 | 0.6047 |
| Columbia Heights | 9,242,793 | $(1,631,188)$ | --- | - -- | 136,330 | $(1,494,858)$ | 7,747,935 | 181,298 | -- | 181,298 | 0.3721 |
| Coon Rapids | 23,162,182 | $(1,036,357)$ | - - | 1,050,431 | 1,060,488 | 1,074,562 | 24,236,744 | 567,130 | -- | 567,130 | 1.1639 |
| Corcoran | 6,156,210 | $(114,141)$ | - $=$ | - -- | 25,058 | $(89,083)$ | 6,067,127 | 141,968 | -- | 141,968 | 0.2913 |
| Cottage Grove | 18,349,672 | 0 | - -- | 51,603 | 458,865 | 510,468 | 18,860,140 | 441,319 | -- | 441,319 | 0.9057 |
| Crookston | 15,259,713 | $(553,855)$ | -_-- | - -- | 959,364 | 405,509 | 15,665,222 | 366,560 | -- | 366,560 | 0.7522 |
| Crystal | 10,932,067 | 0 | -- | - -- | 3,682,636 | 3,682,636 | 14,614,703 | 341,978 | -- | 341,978 | 0.7018 |
| Dayton | 6,098,063 | $(26,671)$ | -- | - -- | 5,281 | 0 | 6,098,063 | 142,692 | -- | 142,692 | 0.2928 |
| Detrolt Lakes | 6,686,295 | $(83,255)$ | -- | - -- | - - - | $(83,255)$ | 6,603,040 | 154,508 | - -- | 154,508 | 0.3171 |
| Duluth | 79,298,785 | $(720,967)$ | - | 1,054,200 | 491,804 | 825,037 | 80,123,822 | 1,874,864 | 118,080 | 1,992,944 | 4.0899 |
| Eagan | 23,000,573 | $(1,247,296)$ | 796,000 | -- | 664,426 | 213,130 | 23,213,703 | 543,191 | -- | 543,191 | 1.1147 |
| East Bethel | 11,961,234 | $(426,151)$ |  | -- | 17,200 | $(408,951)$ | 11,552,283 | 270,319 | -- | 270,319 | 0.5547 |
| East Grand Forks | 7,200,639 | $(391,206)$ | - - | - -- | 121,700 | $(269,506)$ | 6,931,133 | 162,186 | -- | 162,186 | 0.3328 |
| Eden Prairie | 27,588,033 | $(922,934)$ | 257,697 | 336,529 | 247,269 | $(81,439)$ | 27,506,594 | 643,643 | - | 643,643 | 1.3209 |
| Edina | 24,040,905 | $(5,121,700)$ | - -- | 1,107,123 | 305,393 | $(3,709,184)$ | 20,331,721 | 475,754 | -- | 475,754 | 0.9763 |
| Elk River | 17,928,567 | 0 | 185,000 | -- | 300,052 | 485,052 | 18,413,619 | 430,871 | $\cdots$ | 430,871 | 0.8842 |
| Fairmont | 19,169,591 | 0 | -- | - -- | 73,163 | 73,163 | 19,242,754 | 450,272 | - | 450,272 | 0.9240 |
| Falcon Heights | 1,120,588 | (294,945) | $(27,988)$ | - | - -- | $(322,933)$ | 797,655 | 18,665 | - | 18,665 | 0.0383 |
| Faribault | 19,196,175 | $(184,873)$ | $\cdots$ | - -- | - -- | $(184,873)$ | 19,011,302 | 444,856 | -- | 444,856 | 0.9129 |
| Farmington | 12,317,434 | $(389,285)$ | $\because$ | * | 83,865 | $(305,420)$ | 12,012,014 | 281,076 | -- | 281,076 | 0.5768 |


|  | 1999 Actual 25Year Construction Neseds |  | (tory Bond Account Adustment | $\left.\begin{array}{c}\text { (+1) } \\ \text { Non- } \\ \text { Exsting } \\ \text { Brrage } \\ \text { Adustment }\end{array}\right]$ |  | $\square$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fergus Falls | \$13,806,520 | $(\$ 645,723)$ | - -- | - -- | \$117,395 | $(\$ 528,328)$ | \$13,278,192 | \$310,704 | \$36,864 | \$347,568 | 0.7133 |
| Forest Lake | 4,164,361 | $(97,029)$ | - - | - - | 64,783 | $(32,246)$ | 4,132,115 | 96,690 | -- | 96,690 | 0.1984 |
| Fridlay | 8,907,975 | (384,644) | --- | - -- | 95,081 | $(289,563)$ | 8,618,412 | 201,667 | - | 201,667 | 0.4139 |
| Glencoe | 4,733,645 | 0 | -- | --- | - - | 0 | 4,733,645 | 110,765 | -- | 110,765 | 0.2273 |
| Golden Valley | 15,012,421 | $(1,045,326)$ | -- | - -- | 419,693 | $(625,633)$ | 14,386,788 | 336,645 | -- | 336,645 | 0.6909 |
| Grand Rapids | 9,120,592 | 0 | --- | - - | - -- | 0 | 9,120,592 | 213,418 | $\cdots$ | 213,418 | 0.4380 |
| Ham Lake | 9,608,244 | 0 | \$270,000 | -- | 204,433 | 474,433 | 10,082,677 | 235,930 | -- | 235,930 | 0.4842 |
| Hastings | 6,644,187 | 0 | - -- | - -- | - -- | 0 | 6,644,187 | 155,471 | -- | 155,471 | 0.3191 |
| Hermantown | 5,034,990 | $(198,480)$ | --- | --- | 157,484 | $(40,996)$ | 4,993,994 | 116,857 | -- | 116,857 | 0.2398 |
| Hibbing | 29,149,788 | $(1,132,290)$ | --- | - -- | 198,025 | (934,265) | 28,215,523 | 660,231 | -- | 660,231 | 1.3549 |
| Hopkins | 8,472,200 | 0 | -_-- | -- | 1,000 | 1,000 | 8,473,200 | 198,269 | -- | 198,269 | 0.4069 |
| Hugo | 7,910,651 | $(175,440)$ | - - - | - -- | 121,190 | $(54,250)$ | 7,856,401 | 183,836 | -- | 183,836 | 0.3773 |
| Hutchinson | 10,032,395 | $(660,322)$ | -_-- | 829,686 | 341,250 | 510,614 | 10,543,009 | 246,702 | -- | 246,702 | 0.5063 |
| International Falls | 5,595,825 | $(163,647)$ | - - | - -- | - - | $(163,647)$ | 6,432,178 | 127,111 | - | 127,111 | 0.2609 |
| Inver Grove Heights | 15,325,655 | $(1,734,381)$ | -_-- | --- | 1,127,132 | $(607,249)$ | 14,718,406 | 344,404 | - | 344,404 | 0.7068 |
| Lake Elmo | 4,240,344 | $(29,708)$ | --- | - -- | 106,951 | 77,243 | 4,317,587 | 101,030 | -- | 101,030 | 0.2073 |
| Lakeville | 33,753,937 | 0 | -_- | 959,382 | 2,852,558 | 3,811,940 | 37,565,877 | 879,026 | -- | 879,026 | 1.8039 |
| Lino Lakes | 12,979,332 | (672,266) | -_--- | - -- | 116,502 | $(555,763)$ | 12,423,569 | 290,706 | \$2,016 | 292,722 | 0.6007 |
| Litchfield | 5,986,153 | $(309,949)$ | -_--- | - -- | - -- | $(309,949)$ | 5,676,204 | 132,821 | -- | 132,821 | 0.2726 |
| Little Canada | 8,884,183 | $(394,784)$ | 45,000 | -- | - -- | $(349,784)$ | 8,534,399 | 199,701 | -- | 199,701 | 0.4098 |
| Little Falls | 9,904,450 | (221,605) | -_-- | - -- | 423,449 | 201,844 | 10,106,294 | 236,483 | -- | 236,483 | 0.4853 |
| Mahtomedl | 3,766,046 | 0 | -- | --- | - -- | 0 | 3,766,046 | 88,124 | -- | 88,124 | 0.1808 |
| Mankato | 21,567,541 | 0 | - - | - | 533,081 | 533,081 | 22,100,622 | 517,145 | -- | 517,145 | 1.0613 |
| Maple Grove | 30,642,844 | 0 | 2,355,000 | 117,514 | 2,548,247 | 5,020,761 | 35,663,605 | 834,513 | -- | 834,513 | 1.7126 |
| Maplowood | 17,056,660 | 0 | $\cdots$ | - -- | $\square \quad-$ | 0 | 17,056,660 | 399,119 |  | 399,119 | 0.8191 |
| Marshall | 8,852,547 | $(1,316,557)$ | $(74,504)$ | - | 14,443 | $(1,376,618)$ | 7,475,929 | 174,934 |  | 174,934 | 0.3590 |
| Mendota Heights | 7,023,884 | $(840,370)$ | - -- | - | 8,970 | (831,400) | 6,192,484 | 144,902 | -- | 144,902 | 0.2974 |
| Minneapolis | 228,629,709 | (6,829,591) | --- | 1,918,503 | 8,212,678 | 3,301,590 | 231,931,299 | 5,427,095 | -- | 6,427,095 | 11.1374 |
| Minnetonka | 26,591,761 | 0 | - - - | - -- | 1,320,287 | 1,320,287 | 27,912,048 | 653,130 | -- | 653,130 | 1.3403 |
| Montevideo | 4,716,786 | $(285,953)$ | - | - -- | 17,121 | $(268,832)$ | 4,447,954 | 104,080 | -- | 104,080 | 0.2136 |
| Monticello | 4,792,477 | $(124,838)$ | -_-- | - -- | 149,510 | 24,672 | 4,817,149 | 112,719 | -- | 112,719 | 0.2313 |
| Moorhead | 26,275,676 | $(970,393)$ | - - | 1,149,085 | 402,684 | 581,376 | 26,857,052 | 628,444 | -- | 628,444 | 1.2897 |
| Morris | 3,557,999 | $(265,527)$ | - | - -- | 2,379 | $(263,148)$ | 3,294,851 | 77,098 | -- | 77,098 | 0.1582 |
| Mound | 4,747,061 | $(200,345)$ | - - | - -- | 1,412,520 | 1,212,175 | 5,959,236 | 139,444 | -- | 139,444 | 0.2862 |
| Mounds Viaw | 5,937,211 | $(313,726)$ | - | - -- | 211,979 | (101,747) | 6,835,464 | 136,547 | -- | 136,547 | 0.2802 |
| New Brighton | 7,523,228 | 0 | - -- | - -- | 39,138 | 39,138 | 7,562,366 | 176,956 | -- | 176,956 | 0.3631 |
| New Hope | 11,802,995 | 0 | --- | - -- | 183,000 | 183,000 | 11,985,995 | 280,467 | - | 280,467 | 0.5756 |
| New Ulm | 14,461,973 | $(12,879)$ | - -- | - -- | - -- | $(12,879)$ | 14,449,094 | 338,103 | -- | 338,103 | 0.6938 |
| North Branch | 10,734,735 | $(312,005)$ | ) | - -- | - -- | $(312,005)$ | 10,422,730 | 243,887 | --- | 243,887 | 0.5005 |
| North Mankato | 10,391,616 | $(194,874)$ | ) | - -- | 395,146 | - 200,272 | 10,591,888 | 247,846 | -_-- | 247,846 | 0.5086 |
| North St. Paul | 5,895,112 | 0 | - - - | - -- | 91,135 | -91,135 | 5,986,247 | 140,076 | -_-- | 140,076 | 0.2875 |
| Northfield | 9,482,670 | $(503,465)$ | ) | - -- | 8,850 | - (494,615) | 8,988,055 | 210,317 | --- | 210,317 | 0.4316 |
| Oak Grove | 7,822,066 | $(158,772)$ | ) | - -- | 66,876 | (91,895) | 7,730,171 | 180,883 | -_-- | 180,883 | 0.3712 |
| Oakdale | 9,313,296 | $(135,241)$ | ) 664,984 | --- | 233,629 | 763,372 | 10,076,668 | 235,790 | -- | 235,790 | 0.4839 |
| Orono | 10,543,466 | $(91,703)$ | ) | - -- | 299,726 | 208,023 | 10,751,489 | 251,580 | __--- | 251,580 | 0.5163 |
| Otsego | 9,802,016 | $(936,200)$ | - | - -- | 8,900 | (927,300) | 8,874,716 | 207,665 | - - - | 207,665 | 0.4262 |
| Owatonna | 13,909,515 | 0 | - | - -- | - -- | 0 | 13,909,515 | 325,477 | - -- | 325,477 | 0.6679 |
| E4ymouth | 30,007,893 | 0 | -- | - 1,124,050 | 200,901 | 1,324,951 | 31,332,844 | 733,175 | -- | - 733,175 | 1.5046 |


| Municipality | 1999 Actual 25-Year Construction Needs | (1) <br> Unencumberad Construction Fund Balance Adjustment |  |  | $\square$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Prior Lake | \$9,104,752 | $(\$ 644,835)$ | -- | -- | \$281,025 | (\$363,810) | \$8,740,942 | \$204,534 | -- | \$204,534 | 0.4197 |
| Ramsey | 15,305,496 | (1,538,240) | - | 367,631 | 144,451 | $(1,036,158)$ | 14,269,338 | 333,896 | $\cdots$ | 333,896 | 0.6852 |
| Red Wing | 17,298,668 | 0 | -- | - .- | 10,675 | 10,675 | 17,309,343 | 405,031 | - | 405,031 | 0.8312 |
| Redwood Falls | 5,925,248 | $(366,074)$ | (\$190,000) | -- | -- | $(556,074)$ | 5,369,174 | 125,636 | -- | 125,636 | 0.2578 |
| Richfield | 16,879,408 | (2,759,561) | -- |  | 2,786,169 | 26,607 | 16,906,015 | 395,594 | -- | 395,594 | 0.8118 |
| Robbinsdale | 6,226,243 | $(500,194)$ | -- | -- | - -- | $(500,194)$ | 5,726,049 | 133,987 | -. | 133,987 | 0.2750 |
| Rochester | 43,493,864 | $(487,533)$ | -- | .- | 3,600,111 | 3,112,578 | 46,606,442 | 1,090,571 | -- | 1,090,571 | 2.2381 |
| Rosemount | 13,262,567 | $(520,055)$ | $(250,000)$ | -- | -- | $(770,055)$ | 12,492,512 | 292,320 | .- | 292,320 | 0.5999 |
| Rosoville | 13,590,295 | $(770,216)$ | 720,000 | 3,321,363 | 1,638,810 | 4,909,957 | 18,500,252 | 432,898 | .- | 432,898 | 0.8884 |
| St. Anthony | 4,589,467 | $(266,711)$ | - - | -* | - | $(266,711)$ | 4,322,756 | 101,151 | -- | 101,151 | 0.2076 |
| St. Cloud | 33,760,953 | $(723,737)$ | 620,000 | -- | 1,706,591 | 1,602,854 | 35,363,807 | 827,498 | \$4,968 | 832,466 | 1.7084 |
| St. Louls Park | 24,746,105 | 0 |  | -- | 351,001 | 1,096,999 | 25,843,104 | 604,718 | - -- | 604,718 | 1.2410 |
| St. Michael | 8,993,792 | 0 | - | -- | - -- | 0 | 8,993,792 | 210,451 | -- | 210,451 | 0.4319 |
| St. Paul | 178,842,307 | 0 | -- | -. | 5,344,373 | 5,344,373 | 184,186,680 | 4,309,891 | -. | 4,309,891 | 8.8447 |
| St. Paul Park | 4,252,980 | $(521,723)$ | -- | - | - - | $(521,723)$ | 3,731,257 | 87,310 | - | 87,310 | 0.1792 |
| St. Peter | 9,491,646 | (250,611) | -- | -- | 26,182 | $(224,429)$ | 9,267,217 | 216,849 | - | 216,849 | 0.4450 |
| Sartell | 5,553,561 | $(131,310)$ | --- | -- | 115,505 | $(15,805)$ | 5,537,756 | 129,581 | -- | 129,581 | 0.2659 |
| Sauk Rapids | 5,464,268 | $(102,826)$ | - -* | $\cdots$ | 37,569 | $(65,257)$ | 5,399,011 | 126,335 | -- | 126,335 | 0.2593 |
| Savage | 11,776,929 | $(386,619)$ | 745,998 | -- | - -- | 359,379 | 12,136,308 | 283,984 | -- | 283,984 | 0.5828 |
| Shakopee | 10,792,116 | $(641,167)$ | - -- | -- | - | $(641,167)$ | 10,150,949 | 237,528 | -- | 237,528 | 0.4875 |
| Shoreview | 7,299,998 | $(258,762)$ | --- | -- | 24,757 | $(234,005)$ | 7,065,993 | 165,341 | -- | 165,341 | 0.3393 |
| Shorewood | 5,995,239 | $(1,518,668)$ | --- | -- | - -- | $(1,518,668)$ | 4,476,571 | 104,750 | -- | 104,750 | 0.2150 |
| South St. Paul | 10,014,637 | $(1,733,299)$ | _-- | -- | - | $(1,733,299)$ | 8,281,338 | 193,780 | -- | 193,780 | 0.3977 |
| Spring Lake Park | 1,872,294 | 0 | -- | - | 132,644 | 132,644 | 2,004,938 | 46,915 | -- | 46,915 | 0.0963 |
| Stewartville | 2,813,207 | $(213,945)$ | -- | -- | - - | $(213,945)$ | 2,599,262 | 60,822 | -- | 60,822 | 0.1248 |
| Stillwater | 8,101,768 | $(825,855)$ | --- | -* | 19,061 | $(806,794)$ | 7,294,974 | 170,699 | -- | 170,699 | 0.3503 |
| Thief River Falls | 13,928,705 | $(181,132)$ | -- | -- | 70,642 | $(110,490)$ | 13,818,215 | 323,340 | -- | 323,340 | 0.6636 |
| Vadnais Heights | 4,153,623 | $(24,534)$ | - - | - | - -- | $(24,534)$ | 4,129,089 | 96,619 | - | 96,619 | 0.1983 |
| Virginia | 9,862,127 | 0 | -- | -- | - .- | 0 | 9,862,127 | 230,770 | 16,920 | 247,690 | 0.5083 |
| Waconia | 1,935,400 | 0 | -* | -- | - -- | 0 | 1,935,400 | 45,288 | -- | 45,288 | 0.0929 |
| Walte Park | 4,986,702 | 0 | -- | - -- | 28,764 | 28,764 | 5,015,466 | 117,360 | -- | 117,360 | 0.2408 |
| Waseca | 4,569,691 | $(39,549)$ | --- | - | 5,000 | (34,549) | 4,535,142 | 106,120 | -- | 106,120 | 0.2178 |
| West St. Paul | 6,112,089 | $(356,454)$ | - | - | - -- | $(356,454)$ | 5,755,635 | 134,679 | --- | 134,679 | 0.2764 |
| White Bear Lake | 10,834,004 | 0 | -- | - - | 457,396 | 457,396 | 11,291,400 | 264,214 | --- | 264,214 | 0.5422 |
| Willmar | 13,910,692 | $(1,029,935)$ | - - | -- | 297,616 | $(732,319)$ | 13,178,373 | 308,368 | --- | 308,368 | 0.6328 |
| Winona | 13,837,034 | $(1,195,478)$ | - - | - | - -- | $(1,195,478)$ | 12,641,556 | 295,807 | --- | 295,807 | 0.6071 |
| Woodbury | 32,448,862 | 0 | \$2,980,853 | 1,664,032 | 1,776,394 | 6,421,279 | 38,870,141 | 909,545 | --- | 909,545 | 1.8666 |
| Worthington | 8,320,096 | $(836,026)$ | - | 3 | 26,842 | $(809,181)$ | 7,510,915 | 175,752 | -- | 175,752 | 0.3607 |
| STATETOTAL | \$2,042,337,956 | ( $\$ 69,709,058)$ | 312,624,182 | \$18,607,684 | \$68,247,044 | \% | \$2,0727775,096 | Weme $948,502,063$ | \$226,512 | \$48,728,575 | 2+100.0000 |

Construction Needs Apportionment $=\mathbf{\$ 4 8 , 5 0 2 , 0 6 3} / \mathbf{\$ 2 , 0 7 2 , 7 7 5 , 0 9 3 = 0 . 0 2 3 3 9 9 5 7 8}$
x City's Adjusted Construction Needs + TH Turnback Maintenance Adjustment

## ADJUSTMENTS

## TO THE

## (品肿 <br> <br> 1999 CONTRUCTION

 <br> <br> 1999 CONTRUCTION}NEEDS
-42-

## UNENCUMBERED CONSTRUCTION FUND BALANCE ADJUSTMENT

The unencumbered amount available as of December 31, 1999 will be used as a deduction from each city's total needs adjustment for the 2000 apportionment. The September 1,1999 balance was used in this booklet. In 1996, the date that is used to deduct the unecumbered balances was changed from September 1 to December 31. See the Screening Board Resolution and the 1999 Needs Construction Apportionment spreadsheet. The total fund balance decreased by $\$ 24,490,703$ between September 1, 1998 and December 31,1998. The total fund balance increased $\$ 372,259$ between September 1,1998 and 1999 from $\$ 69,336,224$ to $\$ 69,708,483$. The September 1,1999 unencumbered amount available includes the 1999 total construction apportionment amount of $\$ 69,709,058$. Just like State Aid advances, the remaining bond principal of $\$ 12,524,182$ will be deducted from future allocations and can be considered as spent.

| Municipalities | Unencumbered <br> Balance Available <br> 12-31-98 | Unencumbered <br> Balance <br> Available <br> 9-01-99 | Difference Between 09-01-99 and $12-31-98$ | State Aid <br> Advance <br> To be Paid <br> From Future <br> Allocations | Percentage of Total Amount in 1999 Account | Ratio bet <br> Balance 8 <br> City's 1999 <br> Construction <br> Allotment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albert Lea | \$1,645,538 | \$876,406 | $(\$ 769,132)$ |  | 1.2572 | 2.1461 |
| Alexandria | 190,053 | 0 | $(190,053)$ | \$500,000 | 0.0000 | 0.0000 |
| Andover | 105,592 | 494,854 | 389,262 |  | 0.7099 | 0.9283 |
| Anoka | 0 | 13,529 | 13,529 |  | 0.0194 | 0.0422 |
| Apple Valley | 763,970 | 1,575,654 | 811,684 |  | 2.2603 | 1.6043 |
| Arden Hills | 28,268 | 228,864 | 200,596 |  | 0.3283 | 1.1409 |
| Austin | 1,389,798 | 947,570 | $(442,228)$ |  | 1.3593 | 1.1325 |
| Baxter | 0 | 290,612 | 290,612 |  | 0.4169 | 0.0000 |
| Bemidji | 1,133,860 | 1,037,093 | $(96,767)$ |  | 1.4877 | 3.6961 |
| Blaine | 969,363 | 1,850,576 | 881,213 |  | 2.6547 | 2.1000 |
| Bloomington | 352,316 | 2,075,047 | 1,722,731 |  | 2.9767 | 1.0107 |
| Brainerd | 1,097,418 | 1,375,286 | 277,868 |  | 1.9729 | 4.9494 |
| Brooklyn Center | 28,627 | 474,630 | 446,003 |  | 0.6809 | 0.7463 |
| Brooklyn Park | 458 | 1,007,247 | 1,006,789 |  | 1.4449 | 0.8780 |
| Buffalo | 0 | 0 | 0 | 500,000 | 0.0000 | 0.0000 |
| Burnsville | 0 | 430,593 | 430,593 |  | 0.6177 | 0.3765 |
| Cambridge | 122,180 | 242,127 | 119,947 |  | 0.3473 | 1.5571 |
| Champlin | 976,282 | 1,070,735 | 94,453 |  | 1.5360 | 2.9213 |
| Chanhassen | 538,342 | 1,039,435 | 501,093 |  | 1.4911 | 2.0743 |
| Chaska | 120,873 | 473,535 | 352,662 |  | 0.6793 | 1.3262 |
| Chisholm | 254,937 | 394,864 | 139,927 |  | 0.5664 | 2.8219 |
| Cloquet | 145,518 | 482,498 | 336,980 |  | 0.6922 | 1.5045 |
| Columbia Heights | 1,269,131 | 1,631,188 | 362,057 |  | 2.3400 | 4.5308 |
| Coon Rapids | 766,293 | 1,036,357 | 270,064 |  | 1.4867 | 0.7225 |
| Corcoran | 0 | 114,141 | 114,141 | 55,477 | 0.1637 | 0.7578 |
| Cottage Grove | 0 | 0 | 0 | 4,780 | 0.0000 | 0.0000 |
| Crookston | 153,216 | 553,855 | 400,639 |  | 0.7945 | 1.1997 |
| Crystal | 0 | 0 | 0 | 500,000 | 0.0000 | 0.0000 |
| Dayton | 0 | 26,671 | 26,671 |  | 0.0383 | 0.1426 |
| Detroit Lakes | 0 | 83,255 | 83,255 |  | 0.1194 | 0.3284 |
| Duluth | 0 | 720,967 | 720,967 |  | 1.0343 | 0.3270 |
| Eagan | 0 | 1,247,296 | 1,247,296 |  | 1.7893 | 0.8739 |
| East Bethel | 850,212 | 426,151 | $(424,061)$ |  | 0.6113 | 1.5915 |
| East Grand Forks | 551,608 | 391,206 | $(160,402)$ |  | 0.5612 | 1.7650 |
| Eden Prairie | 0 | 922,934 | 922,934 |  | 1.3240 | 0.6716 |


| Municipalities | Unencumbered <br> Balance <br> Available <br> 12-31-98 | encumbered <br> Balance <br> Available <br> 9-01-99 | Difference <br> Between 09-01-99 <br> and 12-31-98 | State Aid <br> Advance To be Paid From Futur Allocations | ercentage of Total Amount in 1999 Account | Ratio bet <br>  <br> City's 1999 <br> Construction <br> Allotment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Edina | \$4,202,433 | \$5,121,700 | \$919,267 |  | 7.3473 | 5.5715 |
| Elk River | 0 | 0 | 0 | \$669,690 | 0.0000 | 0.0000 |
| Fairmont | 0 | 0 | 0 | 609,056 | 0.0000 | 0.0000 |
| Falcon Heights | 336,196 | 294,945 | $(41,251)$ |  | 0.4231 | 4.5894 |
| Faribault | 148,566 | 184,873 | 36,307 |  | 0.2652 | 0.3541 |
| Farmington | 56,455 | 389,285 | 332,830 |  | 0.5584 | 1.1696 |
| Fergus Falls | 275,660 | 645,723 | 370,063 |  | 0.9263 | 1.7449 |
| Forest Lake | 0 | 97,029 | 97,029 |  | 0.1392 | 0.6354 |
| Fridley | 108,602 | 384,644 | 276,042 |  | 0.5518 | 0.8466 |
| Glencoe | 0 | 0 | 0 | 213,523 | 0.0000 | 0.0000 |
| Golden Valley | 539,267 | 1,045,326 | 506,059 |  | 1.4996 | 2.0656 |
| Grand Rapids | 0 | 0 | 0 |  | 0.0000 | 0.0000 |
| Ham Lake | 28,219 | 0 | $(28,219)$ | 350,000 | 0.0000 | 0.0000 |
| Hastings | 0 | 0 | 0 | 500,000 | 0.0000 | 0.0000 |
| Hermantown | 0 | 198,480 | 198,480 | 131,967 | 0.2847 | 0.9541 |
| Hibbing | 1,174,728 | 1,132,290 | $(42,438)$ |  | 1.6243 | 1.6329 |
| Hopkins | 404,491 | 0 | $(404,491)$ | 1,270 | 0.0000 | 0.0000 |
| Hugo | 0 | 175,440 | 175,440 |  | 0.2517 | 0.7677 |
| Hutchinson | 218,116 | 660,322 | 442,206 |  | 0.9473 | 1.4932 |
| International Falls | 556,629 | 163,647 | $(392,982)$ |  | 0.2348 | 0.6992 |
| Inver Grove Heights | 1,127,105 | 1,734,381 | 607,276 |  | 2.4880 | 2.8560 |
| Lake Elmo | 0 | 29,708 | 29,708 |  | 0.0426 | 0.1565 |
| Lakeville | 0 | 0 | 0 | 23,787 | 0.0000 | 0.0000 |
| Lino Lakes | 258,496 | 672,266 | 413,770 |  | 0.9644 | 1.6247 |
| Litchfield | 142,729 | 309,949 | 167,220 |  | 0.4446 | 1.8535 |
| Little Canada | 168,403 | 394,784 | 226,381 |  | 0.5663 | 1.7439 |
| Little Falls | 0 | 221,605 | 221,605 |  | 0.3179 | 0.6527 |
| Mahtomedi | 0 | 0 | 0 | 155,937 | 0.0000 | 0.0000 |
| Mankato | 0 | 0 | 0 | 264,257 | 0.0000 | 0.0000 |
| Maple Grove | 192 | 0 | (192) |  | 0.0000 | 0.0000 |
| Maplewood | 0 | 0 | 0 | 650,000 | 0.0000 | 0.0000 |
| Marshall | 950,365 | 1,316,557 | 366,192 |  | 1.8886 | 3.5953 |
| Mendota Heights | 613,653 | 840,370 | 226,717 |  | 1.2055 | 3.5076 |
| Minneapolis | 2,114,777 | 6,829,591 | 4,714,814 |  | 9.7973 | 0.9422 |
| Minnetonka | 0 | 0 | 0 | 1,300,000 | 0.0000 | 0.0000 |
| Montevideo | 103,705 | 285,953 | 182,248 |  | 0.4102 | 1.5690 |
| Monticello | 0 | 124,838 | 124,838 |  | 0.1791 | 0.7236 |
| Moorhead | 759,674 | 970,393 | 210,719 |  | 1.3921 | 1.1158 |
| Morris | 258,416 | 265,527 | 7,111 |  | 0.3809 | 2.1204 |
| Mound | 217,830 | 200,345 | $(17,485)$ |  | 0.2874 | 0.9471 |
| Mounds View | 554,876 | 313,726 | $(241,150)$ |  | 0.4501 | 1.2851 |
| New Brighton | 0 | 0 | 0 |  | 0.0000 | 0.0000 |
| New Hope | 0 | 0 | 0 |  | 0.0000 | 0.0000 |
| New Ulm | 0 | 12,879 | 12,879 |  | 0.0185 | 0.0287 |
| North Branch | 60,976 | 312,005 | 251,029 |  | 0.4476 | 1.2429 |
| North Mankato | 0 | 194,874 | 194,874 |  | 0.2796 | 0.6742 |
| North St. Paul | 0 | 0 | 0 | 500,000 | 0.0000 | 0.0000 |
| Northfield | 803,785 | 503,465 | $(300,320)$ |  | 0.7222 | 1.4963 |


A. Fallboonk 19991Bond Account Adjustment fro 1999.x1s

## UNAMORTIZED BOND ACCOUNT BALANCE

(Amount as of December 31, 1998)
(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.
** The bond adjustment will be adjusted annually by $10 \%$ starting in year principal is paid for these cities.

| Municipality | Date of Issue | (A) <br> Amount of Issue | (B) <br> Total <br> Amount <br> Applied Toward State Aid Projects | (C) <br> (A Minus B) <br> Amount Not Applied Toward State Aid Projects | (D) Remaining Amount of Principal To Be Paid | (E) Off System Disburse- ment | (D minus C minus E) <br> Bond Account Adjustment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apple Valley | 8-01-79 | \$875,000 | \$875,000 | \$0 | \$160,000 |  | \$160,000 |
| Apple Valley | 9-09-91 | 1,730,000 | 1,730,000 | 0 | 1,250,000 |  | 1,250,000 |
| Brooklyn Center | 9-01-91 | 1,055,000 | 1,055,000 | 0 | 1,055,000 |  | 1,055,000 |
| Brooklyn Center | 12-1-98 ** | 1,945,000 | 1,945,000 | 0 | 1,945,000 |  | 0 |
| Cambridge | 8-01-94 | 650,000 | 641,142 | 8,858 * | 545,000 |  | 536,142 |
| Cloquet | 12-01-93 | 835,000 | 835,000 | 0 | 425,000 |  | 425,000 |
| Eagan | 12-01-96 ** | 995,000 | 995,000 | 0 | 525,000 |  | 796,000 |
| Eden Prairie | 11-10-91 | 370,000 | 370,000 | 0 | 145,000 |  | 145,000 |


| Municipality | Date of Issue | (A) <br> Amount of Issue | (B) Total Amount Applied Toward State Aid Projects | (C) <br> (A Minus B) <br> Amount Not Applied Toward State Aid Projects | (D) <br> Remaining Amount of Principal To Be Paid | (E) <br> Off System Disbursement | (D Minus C) minus E) <br> Bond Account Adjustment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Eden Prairie | 7-01-92 | \$1,940,000 | \$1,902,697 | \$37,303 | \$150,000 |  | \$112,697 |
| Elk River | 6-01-92 | 1,095,000 | 1,095,000 | 0 | 185,000 |  | 185,000 |
| Falcon Heights | 4-21-80 | 170,000 | 142,012 | 27,988 | 0 |  | $(27,988)$ |
| Glencoe | 8-01-98 ** | 1,105,000 | 0 | 1,105,000 | 1,105,000 |  | 0 |
| Ham Lake | 9-01-94 | 530,000 | 530,000 | 0 | 270,000 |  | 270,000 |
| Little Canada | 11-01-93 | 315,000 | 300,000 | 15,000 * | 60,000 |  | 45,000 |
| Maple Grove | 11-01-94 | 3,620,000 | 3,620,000 | 0 | 2,355,000 |  | 2,355,000 |
| Marshall | 7-01-81 | 310,000 | 235,496 | 74,504 | 0 |  | $(74,504)$ |
| North Mankato | 8-01-98 ** | 1,900,000 | 0 | 1,900,000 | 1,900,000 |  | 0 |
| Oakdale | 11-10-92 | 453,181 | 453,181 | 0 | 198,064 |  | 198,064 |
| Oakdale | 11-23-93 | 887,640 | 887,640 | 0 | 466,920 |  | 466,920 |
| Redwood Falls | 12-01-82 | 215,000 | 25,000 | 190,000 | 0 |  | $(190,000)$ |
| Rosemount | 7-05-94 | 700,000 | 0 | 700,000 | 450,000 |  | $(250,000)$ |
| Roseville | 12-01-85 | 2,225,000 | 2,225,000 | 0 | 720,000 |  | 720,000 |
| St. Cloud | 11-01-92 | 1,940,000 | 1,755,000 | 185,000 | 805,000 |  | 620,000 |
| Savage | 10-01-87 | 875,000 | 875,000 | 0 | 100,000 |  | 100,000 |
| Savage | 06-17-96 ** | 717,775 | 0 | 717,775 | 657,775 |  | 645,998 |
| Savage | 10-01-97 ** | 820,000 | 428,051 | 391,949 | 820,000 |  | 0 |
| Woodbury | 10-01-94 | 3,890,000 | 3,870,853 | 19,147 | 3,000,000 |  | 2,980,853 |
| TOTAL |  | \$32,163,596 | \$26,791,072 | \$5,372,524 | \$19,292,759 | \$0 | \$12,524,182 |

* Overhead costs
$\stackrel{A}{1}$


## 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.


[^2]
## PROJECT LISTING OF RIGHT-OF-WAY ACQUISITION

| MUNIGIPALITY | PROJECT | PROJECT AMOUNT | TOTAL ADJUSTMENT |
| :---: | :---: | :---: | :---: |
| Andover | 198-119-003 | \$1,689 | \$1,689 |
| Austin | 104-135-005 | 216,058 | 216,058 |
| Bloominton | 107-020-041 | 511,846 |  |
|  | 107-385-012 | 511,846 |  |
|  | 107-399-023 | 375,345 | 1,399,038 |
| Brooklyn Park | 110-103-010 | 328,952 | 328,952 |
| Champlin * | 193-114-001 | 230,007 |  |
|  |  | $(231,760)$ | $(1,753)$ |
| Dayton | 229-102-001 | 5,281 | 5,281 |
| Duluth | 118-151-009 | 4,233 |  |
|  | 118-160-018 | 187,436 | 191,669 |
| Eden Prairie | 181-020-021 | 247,269 | 247,269 |
| Elk River | 204-131-001 | 49,185 |  |
|  | 204-132-001 | 12,028 | 61,213 |
| Fergus Falls | 126-104-003 | 18,149 |  |
|  | 126-131-001 | 13,897 | 32,046 |
| Ham Lake | 197-102-002 | 72,857 | 72,857 |
| Hermantown | 202-103-005 | 27,626 | 27,626 |
| Hibbing | 131-225-002 | 6,665 | 6,665 |
| Lakeville | 188-122-003 | 2,140,230 | 2,140,230 |
| Lino Lakes | 210-115-001 | 19,494 |  |
|  | 210-115-002 | 32,058 | 51,552 |
| Little Falls | 136-010-004 | 10,450 |  |
|  | 136-115-001 | 5,076 | 15,526 |
| Mankato | 137-109-003 | 99,906 | 99,906 |
| Minnetonka | 142-002-018 | 50,370 |  |
|  | 142-147-004 | 26,465 |  |
|  | 142-161-001 | 111,586 | 188,421 |


| MUNICIPALITY | PROJECT | PROJECT AMOUNT | TOTAL ADJUSTMENT |
| :---: | :---: | :---: | :---: |
| Mound | 145-108-002 | 2,554 | 2,554 |
| Mounds View | 146-020-008 | 211,979 | 211,979 |
| New Brighton | 147-020-022 | 39,138 | 39,138 |
| North St. Paul | 151-261-001 | 13,067 | 13,067 |
| Oak Grove | 223-109-001 | 12,325 | 12,325 |
| Orono | 152-020-007 | 55,448 |  |
|  | 152-020-009 | 202,927 |  |
|  | 152-107-001 | 11,187 | 269,562 |
| Richfield | 157-020-010 | 63,445 |  |
|  | 157-361-016 | 261,966 | 325,411 |
| Shoreview | 167-266-001 | 9,025 | 9,025 |
| St. Cloud | 162-101-006 | 977,550 | 977,550 |
| Willmar | 175-153-010 | 167,616 | 167,616 |
| Woodbury | 192-101-005 | 83,225 |  |
|  | 192-108-003 | 1,323,554 | 1,406,779 |
| 4 | 4 4 |  | \$8,519,249 |

## NEEDS ADJUSTMENT FOR RIGHT-OF-WAY ACQUISITION

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


| MUNICIPALITY | $1983-1997$ <br> RIGHT-OF-WAY <br> EXPENDITURES | 1998-1999 <br> RIGHT-OF-WAY <br> EXPENDITURES | 1983 <br> EXPIRED <br> RIGHT-OF-WAY <br> EXPENDITURES | TOTAL <br> RIGHT-OF-WAY <br> $=$ ADJUSTMENT <br> FOR 2000 <br> APPORTIONMENT |
| :---: | :---: | :---: | :---: | :---: |
| Farmington | \$83,865 | -- | -- | \$83,865 |
| Fergus Falls | 85,349 | 32,046 | -- | 117,395 |
| Forest Lake | 64,783 | - | - | 64,783 |
| Fridley | 95,081 | -- | -- | 95,081 |
| Glencoe | -- | -- | - | - |
| Golden Valley | 419,693 | -- | -- | 419,693 |
| Grand Rapids | -- | - | - | -- |
| Ham Lake | 131,576 | 72,857 | - | 204,433 |
| Hastings | -- | -- | - | - - |
| Hermantown | 129,858 | 27,626 | - | 157,484 |
| Hibbing | 191,360 | 6,665 | - | 198,025 |
| Hopkins | 1,000 | - | -- | 1,000 |
| Hugo | 121,190 | -- | - | 121,190 |
| Hutchinson | 341,250 | - | - | 341,250 |
| International Falls | -- | -- | - | - |
| Inver Grove Heights | 1,127,132 | - | - | 1,127,132 |
| Lake Elmo | 106,951 | - | - | 106,951 |
| Lakeville | 712,328 | 2,140,230 | -- | 2,852,558 |
| Lino Lakes | 64,950 | 51,552 | - | 116,502 |
| Litchfield | -- | - | -- | $\cdots$ |
| Little Canada | -- | -- | -- | - |
| Little Falls | 407,923 | 15,526 | -- | 423,449 |
| Mahtomedi | -- | -- | -- | - |
| Mankato | 433,175 | 99,906 | -- | 533,081 |
| Maple Grove | 2,548,247 | -- | -- | 2,548,247 |
| Maplewood | -- | -- | -- | - |
| Marshall | 14,443 | -- | -- | 14,443 |
| Mendota Heights | 8,970 | -- | - | 8,970 |
| Minneapolis | 8,212,678 | - | -- | 8,212,678 |
| Minnetonka | 1,131,866 | 188,421 | - | 1,320,287 |
| Montevideo | 17,121 | -- | -- | 17,121 |
| Monticello | 149,510 | - | -- | 149,510 |
| Moorhead | 402,684 | - | -- | 402,684 |
| Morris | 2,379 | -- | -- | 2,379 |
| Mound | 1,409,966 | 2,554 | -- | 1,412,520 |
| Mounds View | -- | 211,979 | -- | 211,979 |
| New Brighton | -- | 39,138 | -- | 39,138 |
| New Hope | 183,000 | -- | -- | 183,000 |
| New Ulm | -- | -- | -- | -- |
| North Branch | -- | -- | -- |  |
| North Mankato | 395,146 | -- | -- | 395,146 |
| North St. Paul | 78,068 | 13,067 | -- | 91,135 |
| Northfield | 8,850 | -- | -- | 8,850 |
| Oak Grove | 54,551 | 12,325 | - | 66,876 |
| Oakdale | 233,629 | -- | -- | 233,629 |



## TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE

following tabulation shows the Trunk Highway Turnback Maintenance allowance for the 1999
Apportionment. All turnbacks eligible for maintenance payments are included in this tabulation
as of December 31, 1998. 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 1998.


## Elwyn Tinklenberg, Commissioner <br> Mail Stop 100 <br> 395 John Ireland Blvd. <br> St. Paul, MN 55155

Dear Commissioner Tinklenberg:
We, the undersigned, as members of the 1999 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 2000 Apportionment Sum as provided by Minnesota Statutes, Chapter 162.13, Subdivision 1.

| Ken Ashfeld Maple Grove Chair | Vacant <br> Vice Chair | $\begin{aligned} & \text { David Jessup } \\ & \text { Woodbury } \\ & \text { Secretary } \end{aligned}$ |
| :---: | :---: | :---: |
| David Salo Hermantown District 1 | David KildahI Crookston District 2 | Terry Wotzka Waite Park, Sauk Rapids District 3 |
| Tim Schoonhoven Alexandria District 4 | Lee Gustafson Minnetonka Metro West | David Olson Albert Lea District 6 |
| Steven P. Koehler <br> New Ulm <br> District 7 | $\begin{gathered} \text { Daniel Sarff } \\ \text { Litchfield } \\ \text { District } 8 \end{gathered}$ | Mark Burch White Bear Lake Metro East |
| Dean Beeman Duluth | Ramankutty Kannankutty Minneapolis | Ed Warn Saint Paul |
| Attachment: Money Needs Listing |  |  |
| An equal opportunity employer |  | Money Needs Approval Letter.doc |

1999 ADJUSTED CONSTRUCTION NEEDS RECOMMENDATIONS

| Municipality | Adjusted Construction Needs |  | Municipality | Adjusted Construction Needs |
| :---: | :---: | :---: | :---: | :---: |
| Albert Lea | \$12,323,109 |  | Maplewood | 17,056,660 |
| Alexandria | 8,283,378 |  | Marshall | 7,475,929 |
| Andover | 16,483,756 |  | Mendota Heights | 6,192,484 |
| Anoka | 7,989,485 |  | Minneapolis | 231,931,299 |
| Apple Valley | 21,459,637 |  | Minnetonka | 27,912,048 |
| Arden Hills | 4,982,288 |  | Montevideo | 4,447,954 |
| Austin | 24,394,942 |  | Monticello | 4,817,149 |
| Baxter | 9,449,879 |  | Moorhead | 26,857,052 |
| Bemidji | 8,191,730 |  | Morris | 3,294,851 |
| Blaine | 18,799,868 |  | Mound | 5,959,236 |
| Bloomington | 75,517,740 |  | Mounds View | 5,835,464 |
| Brainerd | 7,144,797 | , | New Brighton | 7,562,366 |
| Brooklyn Center | 14,819,266 |  | New Hope | 11,985,995 |
| Brooklyn Park | 21,768,594 |  | New Ulm | 14,449,094 |
| Buffalo | 7,093,396 |  | North Branch | 10,422,730 |
| Burnsville | 26,768,887 |  | North Mankato | 10,591,888 |
| Cambridge | 5,875,650 |  | North St. Paul | 5,986,247 |
| Champlin | 7,356,541 |  | Northfield | 8,988,055 |
| Chanhassen | 11,221,840 |  | Oak Grove | 7,730,171 |
| Chaska | 9,916,532 |  | Oakdale | 10,076,668 |
| Chisholm | 4,570,824 |  | Orono | 10,751,489 |
| Cloquet | 12,388,719 |  | Otsego | 8,874,716 |
| Columbia Heights | 7,747,935 |  | Owatonna | 13,909,515 |
| Coon Rapids | 24,236,744 |  | Plymouth | 31,332,844 |
| Corcoran | 6,067,127 | - | Prior Lake | 8,740,942 |
| Cottage Grove | 18,860,140 |  | Ramsey | 14,269,338 |
| Crookston | 15,665,222 |  | Red Wing | 17,309,343 |
| Crystal | 14,614,703 |  | Redwood Falls | 5,369,174 |
| Dayton | 6,098,063 |  | Richfield | 16,906,015 |
| Detroit Lakes | 6,603,040 |  | Robbinsdale | 5,726,049 |
| Duluth | 80,123,822 |  | Rochester | 46,606,442 |
| Eagan | 23,213,703 |  | Rosemount | 12,492,512 |
| East Bethel | 11,552,283 | 4 | Roseville | 18,500,252 |
| East Grand Forks | 6,931,133 |  | St. Anthony | 4,322,756 |
| Eden Prairie | 27,506,594 |  | St. Cloud | 35,363,807 |
| Edina | 20,331,721 |  | St. Louis Park | 25,843,104 |
| Elk River | 18,413,619 |  | St. Michael | 8,993,792 |
| Fairmont | 19,242,754 |  | St. Paul | 184,186,680 |
| Falcon Heights | 797,655 |  | St. Paul Park | 3,731,257 |
| Faribault | 19,011,302 |  | St. Peter | 9,267,217 |
| Farmington | 12,012,014 |  | Sartell | 5,537,756 |



## THEORETICAL 2000 M.S.A.S. TOTAL APPORTIONMENT

The following tabulation shows each municipality's tentative construction (money) needs and population apportionment amounts for 2000. The tentative apportionment shown in this summary is for informational purposes only. The actual revenue will be announced in January 2000, when the Commissioner of Transsportation determines the annual allotments. This summary includes Waconia.


| Municipality | Tentative 2000 Appt. Using 1990 Census or 98 Estimate | Tentative Construction Needs Apportionment | Theoretical 2000 Total Apportionment | Distribution Percentage |
| :---: | :---: | :---: | :---: | :---: |
| Farmington | \$162,629 | \$281,076 | \$443,705 | 0.4553 |
| Fergus Falls | 203,598 | 347,568 | 551,166 | 0.5655 |
| Forest Lake | 104,817 | 96,690 | 201,507 | 0.2068 |
| Fridley | 440,728 | 201,667 | 642,395 | 0.6592 |
| Glencoe | 81,692 | 110,765 | 192,457 | 0.1975 |
| Golden Valley | 323,333 | 336,645 | 659,978 | 0.6772 |
| Grand Rapids | 130,836 | 213,418 | 344,254 | 0.3532 |
| Ham Lake | 185,199 | 235,930 | 421,129 | 0.4321 |
| Hastings | 271,371 | 155,471 | 426,842 | 0.4380 |
| Hermantown | 111,021 | 116,857 | 227,878 | 0.2338 |
| Hibbing | 277,838 | 660,231 | 938,069 | 0.9625 |
| Hopkins | 259,994 | 198,269 | 458,263 | 0.4702 |
| Hugo | 90,329 | 183,836 | 274,165 | 0.2813 |
| Hutchinson | 199,980 | 246,702 | 446,682 | 0.4583 |
| International Falls | 127,803 | 127,111 | 254,914 | 0.2616 |
| Inver Grove Heights | 448,811 | 344,404 | 793,215 | 0.8139 |
| Lake Elmo | 99,967 | 101,030 | 200,997 | 0.2062 |
| Lakeville | 592,842 | 879,026 | 1,471,868 | 1.5103 |
| Lino Lakes | 231,757 | 292,722 | 524,479 | 0.5382 |
| Litchfield | 96,626 | 132,821 | 229,447 | 0.2354 |
| Little Canada | 148,203 | 199,701 | 347,904 | 0.3570 |
| Little Falls | 117,934 | 236,483 | 354,417 | 0.3637 |
| Mahtomedi | 112,114 | 88,124 | 200,238 | 0.2055 |
| Mankato | 493,691 | 517,145 | 1,010,836 | 1.0372 |
| Maple Grove | 726,141 | 834,513 | 1,560,654 | 1.6014 |
| Maplewood | 544,329 | 399,119 | 943,448 | 0.9681 |
| Marshall | 195,315 | 174,934 | 370,249 | 0.3799 |
| Mendota Heights | 158,472 | 144,902 | 303,374 | 0.3113 |
| Minneapolis | 5,671,656 | 5,427,095 | 11,098,751 | 11.3883 |
| Minnetonka | 811,235 | 653,130 | 1,464,365 | 1.5026 |
| Montevideo | 84,663 | 104,080 | 188,743 | 0.1937 |
| Monticello | 108,989 | 112,719 | 221,708 | 0.2275 |
| Moorhead | 522,358 | 628,444 | 1,150,802 | 1.1808 |
| Morris | 87,542 | 77,098 | 164,640 | 0.1689 |
| Mound | 150,543 | 139,444 | 289,987 | 0.2976 |
| Mounds View | 197,978 | 136,547 | 334,525 | 0.3433 |
| New Brighton | 351,862 | 176,956 | 528,818 | 0.5426 |
| New Hope | 336,451 | 280,467 | 616,918 | 0.6330 |
| New Ulim | 215,822 | 338,103 | 553,925 | 0.5684 |
| North Branch | 97,673 | 243,887 | 341,560 | 0.3505 |
| North Mankato | 181,120 | 247,846 | 428,966 | 0.4402 |
| North St. Paul | 197,085 | 140,076 | 337,161 | 0.3460 |
| Northfield | 249,509 | 210,317 | 459,826 | 0.4718 |
| Oak Grove | 101,183 | 180,883 | 282,066 | 0.2894 |
| Oakdale | 401,237 | 235,790 | 637,027 | 0.6536 |
| Orono | 118,581 | 251,580 | \$370,161 | 0.3798 |
| Otsego | 101,152 | 207,665 | 308,817 | 0.3169 |
| Owatonna | 326,181 | 325,477 | 651,658 | 0.6687 |


| Municipality | Tentative 2000 Appt. Using 1990 Census or 98 Estimate | Tentative Construction Needs Apportionment | Theoretical 2000 Total Apportionment | Distribution <br> Percentage |
| :---: | :---: | :---: | :---: | :---: |
| Plymouth | \$969,630 | \$733,175 | \$1,702,805 | 1.7472 |
| Prior Lake | 226,122 | 204,534 | 430,656 | 0.4419 |
| Ramsey | 278,346 | 333,896 | 612,242 | 0.6282 |
| Red Wing | 244,090 | 405,031 | 649,121 | 0.6661 |
| Redwood Falls | 80,460 | 125,636 | 206,096 | 0.2115 |
| Richfield | 549,794 | 395,594 | 945,388 | 0.9701 |
| Robbinsdale | 221,642 | 133,987 | 355,629 | 0.3649 |
| Rochester | 1,235,166 | 1,090,571 | 2,325,737 | 2.3864 |
| Rosemount | 202,397 | 292,320 | 494,717 | 0.5076 |
| Roseville | 528,178 | 432,898 | 961,076 | 0.9862 |
| St. Anthony | 129,620 | 101,151 | 230,771 | 0.2368 |
| St. Cloud | 917,360 | 832,466 | 1,749,826 | 1.7955 |
| St. Louis Park | 681,184 | 604,718 | 1,285,902 | 1.3195 |
| St. Michael | 117,672 | 210,451 | 328,123 | 0.3367 |
| St. Paul | 4,191,353 | 4,309,891 | 8,501,244 | 8.7231 |
| St. Paul Park | 77,689 | 87,310 | 164,999 | 0.1693 |
| St. Peter | 150,835 | 216,849 | 367,684 | 0.3773 |
| Sartell | 131,652 | 129,581 | 261,233 | 0.2680 |
| Sauk Rapids | 147,648 | 126,335 | 273,983 | 0.2811 |
| Savage | 262,349 | 283,984 | 546,333 | 0.5606 |
| Shakopee | 246,999 | 237,528 | 484,527 | 0.4972 |
| Shoreview | 406,872 | 165,341 | 572,213 | 0.5871 |
| Shorewood | 107,896 | 104,750 | 212,646 | 0.2182 |
| South St. Paul | 312,048 | 193,780 | 505,828 | 0.5190 |
| Spring Lake Park | 109,512 | 46,915 | 156,427 | 0.1605 |
| Stewartville | 80,398 | 60,822 | 141,220 | 0.1449 |
| Stillwater | 248,385 | 170,699 | 419,084 | 0.4300 |
| Thief River Falls | 128,465 | 323,340 | 451,805 | 0.4636 |
| Vadnais Heights | 204,522 | 96,619 | 301,141 | 0.3090 |
| Virginia | 145,200 | 247,690 | 392,890 | 0.4031 |
| Waconia | 81,738 | 45,288 | 127,026 | 0.1303 |
| Waite Park | 95,302 | 117,360 | 212,662 | 0.2182 |
| Waseca | 135,732 | 106,120 | 241,852 | 0.2482 |
| West St. Paul | 300,547 | 134,679 | 435,226 | 0.4466 |
| White Bear Lake | 407,765 | 264,214 | 671,979 | 0.6895 |
| Willmar | 290,817 | 308,368 | 599,185 | 0.6148 |
| Winona | 409,382 | 295,807 | 705,189 | 0.7236 |
| Woodbury | 598,061 | 909,545 | 1,507,606 | 1.5469 |
| Worthington | 158,642 | 175,752 | 334,394 | 0.3431 |
| TOTAL | \$48,728,575 | \$48,728,575 | \$97,457,150 | 100:0000 |

## COMPARISON OF THE 1999 TO ESTIMATED 2000 APPORTIONMENT

| Municipality | 1999 Total Apportionment | Estimated 2000 Total Apportionment | Increase (Decrease) Amount | \% Increase Decrease |
| :---: | :---: | :---: | :---: | :---: |
| Albert Lea | \$544,484 | \$570,304 | \$25,820 | 4.7421 |
| Alexandria | 325,162 | 326,219 | 1,057 | 0.3251 |
| Andover | 761,566 | 743,102 | $(18,464)$ | -2.4245 |
| Anoka | 427,372 | 463,526 | 36,154 | 8.4596 |
| Apple Valley | 1,109,631 | 1,171,383 | 61,752 | 5.5651 |
| Arden Hills | 267,462 | 266,495 | (967) | -0.3615 |
| Austin | 877,987 | 909,976 | 31,989 | 3.6434 |
| Baxter | 307,382 | 301,013 | $(6,369)$ | -2.0720 |
| Bemidji | 374,126 | 377,822 | 3,696 | 0.9879 |
| Blaine | 1,174,951 | 1,130,454 | $(44,497)$ | -3.7871 |
| Bloomington | 3,158,654 | 3,113,871 | $(44,783)$ | -1.4178 |
| Brainerd | 370,491 | 370,152 | (339) | -0.0915 |
| Brooklyn Center | 843,563 | 791,512 | $(52,051)$ | -6.1704 |
| Brooklyn Park | 1,550,761 | 1,514,970 | $(35,791)$ | -2.3080 |
| Buffalo | 359,381 | 314,939 | $(44,442)$ | -12.3663 |
| Burnsville | 1,524,900 | 1,530,208 | 5,308 | 0.3481 |
| Cambridge | 228,117 | 235,091 | 6,974 | 3.0572 |
| Champlin | 488,700 | 485,989 | $(2,711)$ | -0.5547 |
| Chanhassen | 530,988 | 534,505 | 3,517 | 0.6624 |
| Chaska | 476,065 | 468,542 | $(7,523)$ | -1.5802 |
| Chisholm | 188,514 | 190,344 | 1,830 | 0.9708 |
| Cloquet | 498,135 | 466,371 | $(31,764)$ | -6.3766 |
| Columbia Heights | 480,027 | 472,438 | $(7,589)$ | -1.5810 |
| Coon Rapids | 1,493,640 | 1,520,209 | 26,569 | 1.7788 |
| Corcoran | 231,723 | 229,695 | $(2,028)$ | -0.8752 |
| Cottage Grove | 945,980 | 912,901 | $(33,079)$ | -3.4968 |
| Crookston | 511,657 | 491,838 | $(19,819)$ | -3.8735 |
| Crystal | 747,803 | 708,220 | $(39,583)$ | -5.2932 |
| Dayton | 249,331 | 221,889 | $(27,442)$ | 0.0000 |
| Detroit Lakes | 272,107 | 267,946 | $(4,161)$ | -1.5292 |
| Duluth | 3,268,081 | 3,309,201 | 41,120 | 1.2582 |
| Eagan | 1,509,794 | 1,468,080 | $(41,714)$ | -2.7629 |
| East Bethel | 357,015 | 425,127 | 68,112 | 19.0782 |
| East Grand Forks | 295,522 | 295,485 | (37) | -0.0125 |
| Eden Prairie | 1,447,560 | 1,423,932 | $(23,628)$ | -1.6323 |
| Edina | 1,225,690 | 1,202,988 | $(22,702)$ | -1.8522 |
| Elk River | 669,690 | 672,805 | 3,115 | 0.4651 |
| Fairmont | 636,926 | 624,494 | $(12,432)$ | -1.9519 |
| Falcon Heights | 98,871 | 101,588 | 2,717 | 2.7480 |
| Faribault | 696,131 | 740,107 | 43,976 | 6.3172 |
| Farmington | 443,774 | 443,705 | (69) | -0.0155 |
| Fergus Falls | 531,362 | 551,166 | 19,804 | 3.7270 |
| Forest Lake | 203,610 | 201,507 | $(2,103)$ | -1.0329 |


| Municipality | 1999 Total Apportionment | Estimated 2000 Total Apportionment | Increase (Decrease) Amount | $\begin{gathered} \% \\ \text { Increase } \\ \text { Decrease } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Fridley | \$649,058 | \$642,395 | $(\$ 6,663)$ | -1.0266 |
| Glencoe | 226,532 | 192,457 | $(34,075)$ | -15.0420 |
| Golden Valley | 674,745 | 659,978 | $(14,767)$ | -2.1885 |
| Grand Rapids | 333,383 | 344,254 | 10,871 | 3.2608 |
| Ham Lake | 414,260 | 421,129 | 6,869 | 1.6581 |
| Hastings | 421,849 | 426,842 | 4,993 | 1.1836 |
| Hermantown | 248,033 | 227,878 | $(20,155)$ | -8.1259 |
| Hibbing | 924,557 | 938,069 | 13,512 | 1.4615 |
| Hopkins | 445,449 | 458,263 | 12,814 | 2.8766 |
| Hugo | 304,709 | 274,165 | $(30,544)$ | -10.0240 |
| Hutchinson | 463,701 | 446,682 | $(17,019)$ | -3.6703 |
| International Falls | 246,123 | 254,914 | 8,791 | 3.5718 |
| Inver Grove Heights | 809,702 | 793,215 | $(16,487)$ | -2.0362 |
| Lake Elmo | 205,920 | 200,997 | $(4,923)$ | -2.3907 |
| Lakeville | 1,327,787 | 1,471,868 | 144,081 | 10.8512 |
| Lino Lakes | 553,710 | 524,479 | $(29,231)$ | -5.2791 |
| Litchfield | 222,960 | 229,447 | 6,487 | 2.9095 |
| Little Canada | 305,042 | 347,904 | 42,862 | 14.0512 |
| Little Falls | 360,520 | 354,417 | $(6,103)$ | -1.6928 |
| Mahtomedi | 200,303 | 200,238 | (65) | -0.0325 |
| Mankato | 1,063,195 | 1,010,836 | $(52,359)$ | -4.9247 |
| Maple Grove | 1,528,075 | 1,560,654 | 32,579 | 2.1320 |
| Maplewood | 932,237 | 943,448 | 11,211 | 1.2026 |
| Marshall | 386,772 | 370,249 | $(16,523)$ | -4.2720 |
| Mendota Heights | 319,448 | 303,374 | $(16,074)$ | -5.0318 |
| Minneapolis | 11,152,122 | 11,098,751 | $(53,371)$ | -0.4786 |
| Minnetonka | 1,459,230 | 1,464,365 | 5,135 | 0.3519 |
| Montevideo | 195,118 | 188,743 | $(6,375)$ | -3.2673 |
| Monticello | 230,047 | 221,708 | $(8,339)$ | -3.6249 |
| Moorhead | 1,159,589 | 1,150,802 | $(8,787)$ | -0.7578 |
| Morris | 166,970 | 164,640 | $(2,330)$ | -1.3955 |
| Mound | 282,050 | 289,987 | 7,937 | 2.8140 |
| Mounds View | 325,514 | 334,525 | 9,011 | 2.7682 |
| New Brighton | 545,870 | 528,818 | $(17,052)$ | -3.1238 |
| New Hope | 622,164 | 616,918 | $(5,246)$ | -0.8432 |
| New Ulm | 469,922 | 553,925 | 84,003 | 17.8759 |
| North Branch | 334,705 | 341,560 | 6,855 | 2.0481 |
| North Mankato | 416,983 | 428,966 | 11,983 | 2.8737 |
| North St. Paul | 337,786 | 337,161 | (625) | -0.1850 |
| Northfield | 448,628 | 459,826 | 11,198 | 2.4961 |
| Oak Grove | 281,634 | 282,066 | 432 | 0.1534 |
| Oakdale | 648,571 | 637,027 | $(11,544)$ | -1.7799 |
| Orono | 355,988 | 370,161 | 14,173 | 3.9813 |
| Otsego | 306,366 | 308,817 | 2,451 | 0.8000 |
| Owatonna | 638,545 | 651,658 | 13,113 | 2.0536 |
| Plymouth | 1,706,058 | 1,702,805 | $(3,253)$ | -0.1907 |
| Prior Lake | 442,053 | 430,656 | $(11,397)$ | -2.5782 |
| Ramsey | 614,790 | 612,242 | $(2,548)$ | -0.4145 |


| Municipality | 1999 Total Apportionment | $\begin{gathered} \text { Estimated } \\ 2000 \text { Total } \\ \text { Apportionment } \end{gathered}$ | Increase (Decrease) Amount | \% <br> Increase Decrease |
| :---: | :---: | :---: | :---: | :---: |
| Red Wing | \$672,345 | \$649,121 | $(\$ 23,224)$ | -3.4542 |
| Redwood Falls | 209,926 | 206,096 | $(3,830)$ | -1.8245 |
| Richfield | 958,768 | 945,388 | $(13,380)$ | -1.3955 |
| Robbinsdale | 348,895 | 355,629 | 6,734 | 1.9301 |
| Rochester | 2,352,388 | 2,325,737 | $(26,651)$ | -1.1329 |
| Rosemount | 545,332 | 494,717 | $(50,615)$ | -9.2815 |
| Roseville | 1,026,955 | 961,076 | $(65,879)$ | -6.4150 |
| St. Anthony | 235,502 | 230,771 | $(4,731)$ | -2.0089 |
| St. Cloud | 1,794,713 | 1,749,826 | $(44,887)$ | -2.5011 |
| St. Louis Park | 1,268,123 | 1,285,902 | 17,779 | 1.4020 |
| St. Michael | 314,377 | 328,123 | 13,746 | 4.3725 |
| St. Paul | 8,495,366 | 8,501,244 | 5,878 | 0.0692 |
| St. Paul Park | 168,390 | 164,999 | $(3,391)$ | 0.0000 |
| St. Peter | 367,203 | 367,684 | 481 | 0.1310 |
| Sartell | 246,891 | 261,233 | 14,342 | 5.8090 |
| Sauk Rapids | 279,710 | 273,983 | $(5,727)$ | -2.0475 |
| Savage | 597,304 | 546,333 | $(50,971)$ | -8.5335 |
| Shakopee | 483,188 | 484,527 | 1,339 | 0.2771 |
| Shoreview | 588,426 | 572,213 | $(16,213)$ | -2.7553 |
| Shorewood | 216,107 | 212,646 | $(3,461)$ | -1.6015 |
| South St. Paul | 494,104 | 505,828 | 11,724 | 2.3728 |
| Spring Lake Park | 155,680 | 156,427 | 747 | 0.4798 |
| Stewartville | 143,062 | 141,220 | $(1,842)$ | 0.0000 |
| Stillwater | 427,196 | 419,084 | $(8,112)$ | -1.8989 |
| Thief River Falls | 431,771 | 451,805 | 20,034 | 4.6400 |
| Vadnais Heights | 277,218 | 301,141 | 23,923 | 8.6297 |
| Virginia | 334,808 | 392,890 | 58,082 | 17.3479 |
| Waconia | 0 | 127,026 | 127,026 |  |
| Waite Park | 234,679 | 212,662 | $(22,017)$ | -9.3818 |
| Waseca | 241,698 | 241,852 | 154 | 0.0637 |
| West St. Paul | 443,128 | 435,226 | $(7,902)$ | -1.7832 |
| White Bear Lake | 656,931 | 671,979 | 15,048 | 2.2907 |
| Willmar | 577,222 | 599,185 | 21,963 | 3.8049 |
| Winona | 722,404 | 705,189 | $(17,215)$ | -2.3830 |
| Woodbury | 1,394,101 | 1,507,606 | 113,505 | 8.1418 |
| Worthington | 339,780 | 334,394 | $(5,386)$ | -1.5851 |
| TOTAL | \$97,457,150 | \$97,457,150 | \$0 | 0.0000 |

MSASEXCctitall Book 1999iTenalive 2000 Apporionmes Rankings
TENTATIVE 2000 APPORTIONMENT RANKINGS
Rankings are from highest apportionment per Needs mile to lowest. Bridges in some cities increases the costs.
Waconia's mileage is not certified

| Municipality | 1999 <br> Total <br> Neods <br> Mileage | 2000 <br> Tentative <br> Population <br> Apportionment <br> Per Need Mile |
| :---: | :---: | :---: |
| Falcon Heights | 2.54 | \$32,647 |
| Minneapolis | 202.12 | 28,061 |
| Hopkins | 9.33 | 27,866 |
| New Hope | 12.70 | 26,492 |
| St. Paul | 164.13 | 25,537 |
| Vadnais Heights | 8.32 | 24,582 |
| Shoreview | 16.75 | 24,291 |
| Oakdale | 16.72 | 23,997 |
| St. Louis Park | 28.65 | 23,776 |
| New Brighton | 14.95 | 23,536 |
| Coon Rapids | 40.97 | 23,263 |
| Columbia Heights | 12.53 | 23,235 |
| St. Anthony | 5.63 | 23,023 |
| West St. Paul | 13.10 | 22,943 |
| Stewartville | 3.54 | 22,711 |
| Robbinsdale | 10.10 | 21,945 |
| Anoka | 12.64 | 21,881 |
| Richfield | 25.49 | 21,569 |
| Maplewood | 25.48 | 21,363 |
| Waseca | 6.42 | 21,142 |
| Brooklyn Park | 46.62 | 21,116 |
| White Bear Lake | 19.60 | 20,804 |
| Northfield | 12.06 | 20,689 |
| Burnsville | 43.70 | 20,683 |
| Brooklyn Center | 21.56 | 20,628 |
| Spring Lake Park | 5.34 | 20,508 |
| Crystal | 17.88 | 20,483 |
| Rochester | 60.48 | 20,423 |
| Arden Hills | 7.41 | 20,231 |
| Blaine | 34.22 | 20,180 |
| Mounds View | 9.82 | 20,161 |


|  |  |  |
| :---: | :---: | :---: |
| Crookston | 11.53 | \$31,792 |
| Minneapolis | 202.12 | 26,851 |
| St. Paul | 164.13 | 26,259 |
| Farmington | 11.96 | 23,501 |
| Bloomington | 75.35 | 23,452 |
| Fairmont | 19.41 | 23,198 |
| New Hope | 12.70 | 22,084 |
| Thief River Falls | 14.66 | 22,056 |
| New Ulm | 15.33 | 22,055 |
| Moorhead | 28.94 | 21,715 |
| Hopkins | 9.33 | 21,251 |
| St. Louis Park | 28.65 | 21,107 |
| Woodbury | 43.22 | 21,045 |
| Austin | 27.70 | 20,608 |
| Faribault | 22.22 | 20,021 |
| Orono | 12.58 | 19,998 |
| Crystal | 17.88 | 19,126 |
| North Mankato | 13.06 | 18,977 |
| Grand Rapids | 11.40 | 18,721 |
| Owatonna | 17.56 | 18,535 |
| Maple Grove | 45.09 | 18,508 |
| Lakeville | 47.64 | 18,451 |
| Little Canada | 10.94 | 18,254 |
| Virginia | 13.67 | 18,119 |
| Waite Park | 6.48 | 18,111 |
| Rochester | 60.48 | 18,032 |
| St. Anthony | 5.63 | 17,966 |
| Worthington | 9.81 | 17,916 |
| Duluth | 111.31 | 17,904 |
| Red Wing | 22.93 | 17,664 |
| Mankato | 29.32 | 17,638 |


|  |  |  |
| :---: | :---: | :---: |
| Minneapolis | 202.12 | \$54,912 |
| St. Paul | 164.13 | 51,796 |
| Hopkins | 9.33 | 49,117 |
| New Hope | 12.70 | 48,576 |
| St. Louis Park | 28.65 | 44,883 |
| Crookston | 11.53 | 42,657 |
| Bloomington | 75.35 | 41,325 |
| St. Anthony | 5.63 | 40,990 |
| Falcon Heights | 2.54 | 39,995 |
| Stewartville | 3.54 | 39,893 |
| Moorhead | 28.94 | 39,765 |
| Crystal | 17.88 | 39,610 |
| Rochester | 60.48 | 38,455 |
| Northfield | 12.06 | 38,128 |
| Oakdale | 16.72 | 38,100 |
| Columbia Heights | 12.53 | 37,705 |
| Waseca | 6.42 | 37,672 |
| Owatonna | 17.56 | 37,110 |
| Coon Rapids | 40.97 | 37,105 |
| Farmington | 11.96 | 37,099 |
| Richfield | 25.49 | 37,089 |
| Maplewood | 25.48 | 37,027 |
| Brooklyn Center | 21.56 | 36,712 |
| Anoka | 12.64 | 36,671 |
| Forest Lake | 5.53 | 36,439 |
| Vadnais Heights | 8.32 | 36,195 |
| New Ulm | 15.33 | 36,133 |
| Mound | 8.05 | 36,023 |
| Arden Hills | 7.41 | 35,964 |
| New Brighton | 14.95 | 35,372 |
| Robbinsdale | 10.10 | 35,211 |


| Municipality | 1999 <br> Total <br> Needs <br> Mileage | 2000 <br> ntative <br> pulation <br> rionment <br> Jeed Mile |
| :---: | :---: | :---: |
| Eagan | 46.13 | \$20,050 |
| Apple Valley | 33.38 | 20,049 |
| South St. Paul | 16.32 | 19,121 |
| Forest Lake | 5.53 | 18,954 |
| Winona | 21.75 | 18,822 |
| Inver Grove Heights | 23.86 | 18,810 |
| Plymouth | 51.66 | 18,769 |
| Mound | 8.05 | 18,701 |
| Owatonna | 17.56 | 18,575 |
| Edina | 39.36 | 18,476 |
| Roseville | 28.60 | 18,468 |
| North St. Paul | 10.68 | 18,454 |
| Champlin | 17.01 | 18,451 |
| Eden Prairie | 42.66 | 18,291 |
| Moorhead | 28.94 | 18,050 |
| Bloomington | 75.35 | 17,874 |
| Stillwater | 14.02 | 17,713 |
| St. Cloud | 51.97 | 17,652 |
| Fridley | 25.02 | 17,615 |
| Hastings | 16.09 | 16,866 |
| Mankato | 29.32 | 16,838 |
| Minnetonka | 49.89 | 16,260 |
| Worthington | 9.81 | 16,171 |
| Maple Grove | 45.09 | 16,104 |
| International Falls | 8.06 | 15,856 |
| Cottage Grove | 30.24 | 15,595 |
| Savage | 16.85 | 15,570 |
| Sartell | 8.46 | 15,562 |
| Chaska | 15.30 | 15,457 |
| Buffalo | 9.86 | 15,107 |
| Albert Lea | 18.74 | 15,045 |
| Prior Lake | 15.14 | 14,935 |
| Waite Park | 6.48 | 14,707 |
| St. Paul Park | 5.30 | 14,658 |
| Sauk Rapids | 10.17 | 14,518 |
| Brainerd | 14.25 | 14,243 |
| New Ulm | 15.33 | 14,078 |
| Monticello | 7.80 | 13,973 |


| Municipality | 1999 <br> Total <br> Needs <br> Mileage | 2000 <br> Tentative Money Needs Apportionment Per Noed Mile |
| :---: | :---: | :---: |
| Forest Lake | 5.53 | \$17,485 |
| Northfield | 12.06 | 17,439 |
| Baxter | 12.70 | 17,411 |
| Mound | 8.05 | 17,322 |
| St. Peter | 12.53 | 17,306 |
| Stewartville | 3.54 | 17,181 |
| Savage | 16.85 | 16,854 |
| Buffalo | 9.86 | 16,834 |
| Hutchinson | 14.73 | 16,748 |
| Waseca | 6.42 | 16,530 |
| St. Paul Park | 5.30 | 16,474 |
| Elk River | 26.17 | 16,464 |
| Brooklyn Center | 21.56 | 16,084 |
| St. Cloud | 51.97 | 16,018 |
| Redwood Falls | 7.87 | 15,964 |
| Glencoe | 7.02 | 15,778 |
| International Falls | 8.06 | 15,771 |
| Arden Hills | 7.41 | 15,733 |
| Lino Lakes | 18.67 | 15,679 |
| Maplewood | 25.48 | 15,664 |
| Richfield | 25.49 | 15,520 |
| Litchfield | 8.58 | 15,480 |
| Albert Lea | 18.74 | 15,387 |
| Dayton | 9.28 | 15,376 |
| Sartell | 8.46 | 15,317 |
| Otsego | 13.61 | 15,258 |
| Chaska | 15.30 | 15,166 |
| Roseville | 28.60 | 15,136 |
| Little Falls | 15.67 | 15,091 |
| Eden Prairie | 42.66 | 15,088 |
| Apple Valley | 33.38 | 15,043 |
| Anoka | 12.64 | 14,790 |
| Cloquet | 20.14 | 14,630 |
| Cottage Grove | 30.24 | 14,594 |
| Columbia Heights | 12.53 | 14,469 |
| Monticello | 7.80 | 14,451 |
| Inver Grove Heights | 23.86 | 14,434 |
| Burnsville | 43.70 | 14,334 |


|  |  |  |
| :---: | :---: | :---: |
| Apple Valley | 33.38 | \$35,092 |
| Burnsville | 43.70 | 35,016 |
| Woodbury | 43.22 | 34,882 |
| Maple Grove | 45.09 | 34,612 |
| Mankato | 29.32 | 34,476 |
| White Bear Lake | 19.60 | 34,285 |
| Shoreview | 16.75 | 34,162 |
| Worthington | 9.81 | 34,087 |
| Mounds View | 9.82 | 34,066 |
| St. Cloud | 51.97 | 33,670 |
| Roseville | 28.60 | 33,604 |
| Eden Prairie | 42.66 | 33,379 |
| Faribault | 22.22 | 33,308 |
| Inver Grove Heights | 23.86 | 33,245 |
| West St. Paul | 13.10 | 33,223 |
| Blaine | 34.22 | 33,035 |
| Plymouth | 51.66 | 32,962 |
| Austin | 27.70 | 32,851 |
| North Mankato | 13.06 | 32,846 |
| Waite Park | 6.48 | 32,818 |
| Brooklyn Park | 46.62 | 32,496 |
| Savage | 16.85 | 32,423 |
| Winona | 21.75 | 32,422 |
| Fairmont | 19.41 | 32,174 |
| Buffalo | 9.86 | 31,941 |
| Eagan | 46.13 | 31,825 |
| Little Canada | 10.94 | 31,801 |
| International Falls | 8.06 | 31,627 |
| North St. Paul | 10.68 | 31,569 |
| St. Paul Park | 5.30 | 31,132 |
| South St. Paul | 16.32 | 30,994 |
| Lakeville | 47.64 | 30,896 |
| Sartell | 8.46 | 30,879 |
| Thief River Falls | 14.66 | 30,819 |
| Chaska | 15.30 | 30,624 |
| Edina | 39.36 | 30,564 |
| Albert Lea | 18.74 | 30,432 |
| Hutchinson | 14.73 | 30,325 |


| Municipality | 1999 <br> Total <br> Needs <br> Mileage | 2000 <br> Tentative <br> Population <br> Apportionment <br> Per Need Mile |
| :---: | :---: | :---: |
| North Mankato | 13.06 | \$13,868 |
| Woodbury | 43.22 | 13,838 |
| Gölden Valley | 23.55 | 13,730 |
| Farmington | 11.96 | 13,598 |
| Hutchinson | 14.73 | 13,576 |
| Little Canada | 10.94 | 13,547 |
| Mahtomedi | 8.33 | 13,459 |
| Faribault | 22.22 | 13,288 |
| Marshall | 14.88 | 13,126 |
| Shorewood | 8.24 | 13,094 |
| Chanhassen | 20.87 | 12,822 |
| Bemidji | 14.56 | 12,784 |
| Lakeville | 47.64 | 12,444 |
| Lino Lakes | 18.67 | 12,413 |
| Shakopee | 19.98 | 12,362 |
| Austin | 27.70 | 12,244 |
| Willmar | 23.90 | 12,168 |
| St. Peter | 12.53 | 12,038 |
| Duluth | 111.31 | 11,825 |
| Mendota Heights | 13.51 | 11,730 |
| Glencoe | 7.02 | 11,637 |
| Grand Rapids | 11.40 | 11,477 |
| Morris | 7.74 | 11,310 |
| Litchfield | 8.58 | 11,262 |
| Crookston | 11.53 | 10,865 |
| East Grand Forks | 12.48 | 10,681 |
| Red Wing | 22.93 | 10,645 |
| Virginia | 13.67 | 10,622 |
| Andover | 33.80 | 10,574 |
| Redwood Falls | 7.87 | 10,224 |
| Chisholm | 7.99 | 10,193 |
| Montevideo | 8.58 | 9,867 |
| Ramsey | 29.18 | 9,539 |
| Rosemount | 21.45 | 9,436 |
| Orono | 12.58 | 9,426 |
| Elk River | 26.17 | 9,245 |
| Alexandria | 14.39 | 9,200 |
| Detroit Lakes | 12.41 | 9,141 |


|  |  |  |
| :---: | :---: | :---: |
| Golden Valley | 23.55 | \$14,295 |
| Fergus Falls | 24.34 | 14,280 |
| St. Michael | 14.77 | 14,249 |
| Cambridge | 10.74 | 14,243 |
| Plymouth | 51.66 | 14,192 |
| Oakdale | 16.72 | 14,102 |
| Mounds View | 9.82 | 13,905 |
| Coon Rapids | 40.97 | 13,843 |
| Chisholm | 7.99 | 13,629 |
| Rosemount | 21.45 | 13,628 |
| Winona | 21.75 | 13,600 |
| Prior Lake | 15.14 | 13,510 |
| White Bear Lake | 19.60 | 13,480 |
| Alexandria | 14.39 | 13,470 |
| Robbinsdale | 10.10 | 13,266 |
| Bemidji | 14.56 | 13,165 |
| North St. Paul | 10.68 | 13,116 |
| Minnetonka | 49.89 | 13,091 |
| East Grand Forks | 12.48 | 12,996 |
| Willmar | 23.90 | 12,902 |
| Hibbing | 51.31 | 12,867 |
| Blaine | 34.22 | 12,855 |
| Chanhassen | 20.87 | 12,789 |
| Shorewood | 8.24 | 12,712 |
| Detroit Lakes | 12.41 | 12,450 |
| Sauk Rapids | 10.17 | 12,422 |
| Stillwater | 14.02 | 12,173 |
| Montevideo | 8.58 | 12,131 |
| Edina | 39.36 | 12,087 |
| Shakopee | 19.98 | 11,888 |
| South St. Paul | 16.32 | 11,874 |
| New Brighton | 14.95 | 11,837 |
| Eagan | 46.13 | 11,775 |
| Marshall | 14.88 | 11,756 |
| Brainerd | 14.25 | 11,732 |
| North Branch | 20.89 | 11,675 |
| Vadnais Heights | 8.32 | 11,613 |
| Hugo | 15.97 | 11,511 |


|  |  |  |
| :---: | :---: | :---: |
| Grand Rapids | 11.40 | \$30,198 |
| Cottage Grove | 30.24 | 30,189 |
| Stillwater | 14.02 | 29,885 |
| Duluth | 111.31 | 29,730 |
| Orono | 12.58 | 29,425 |
| Minnetonka | 49.89 | 29,352 |
| St. Peter | 12.53 | 29,344 |
| Spring Lake Park | 5.34 | 29,293 |
| Virginia | 13.67 | 28,741 |
| Champlin | 17.01 | 28,571 |
| Prior Lake | 15.14 | 28,445 |
| Monticello | 7.80 | 28,424 |
| Red Wing | 22.93 | 28,309 |
| Lino Lakes | 18.67 | 28,092 |
| Goiden Valley | 23.55 | 28,025 |
| Glencoe | 7.02 | 27,416 |
| Sauk Rapids | 10.17 | 26,940 |
| Litchfield | 8.58 | 26,742 |
| Hastings | 16.09 | 26,528 |
| Redwood Falls | 7.87 | 26,188 |
| Brainerd | 14.25 | 25,976 |
| Bemidji | 14.56 | 25,949 |
| Shorewood | 8.24 | 25,807 |
| Elk River | 26.17 | 25,709 |
| Fridley | 25.02 | 25,675 |
| Chanhassen | 20.87 | 25,611 |
| Willmar | 23.90 | 25,071 |
| Marshall | 14.88 | 24,882 |
| Shakopee | 19.98 | 24,251 |
| Mahtomedi | 8.33 | 24,038 |
| Dayton | 9.28 | 23,910 |
| Chisholm | 7.99 | 23,823 |
| Baxter | 12.70 | 23,702 |
| East Grand Forks | 12.48 | 23,677 |
| Cloquet | 20.14 | 23,156 |
| Rosemount | 21.45 | 23,064 |
| Waconia | 5.52 | 23,012 |
| Otsego | 13.61 | 22,690 |


| Municipality | 1999 <br> Total <br> Needs <br> Mileage | 2000 <br> Tentative <br> Population <br> Apportionment <br> Per Need Mile |
| :---: | :---: | :---: |
| Fairmont | 19.41 | \$8,976 |
| Thief River Falls | 14.66 | 8,763 |
| Hermantown | 12.99 | 8,547 |
| Dayton | 9.28 | 8,534 |
| Cloquet | 20.14 | 8,527 |
| Lake Elmo | 11.87 | 8,422 |
| Fergus Falls | 24.34 | 8,365 |
| St. Michael | 14.77 | 7,967 |
| Cambridge | 10.74 | 7.646 |
| Little Falls | 15.67 | 7,526 |
| Ham Lake | 24.67 | 7,507 |
| Otsego | 13.61 | 7,432 |
| Baxter | 12.70 | 6,291 |
| Corcoran | 14.72 | 5,960 |
| East Bethel | 26.58 | 5,824 |
| Hugo | 15.97 | 5,656 |
| Hibbing | 51.31 | 5,415 |
| Oak Grove | 19.50 | 5,189 |
| North Branch | 20.89 | 4,676 |
| Waconia | 5.52 | 0 |
| Average | Wer | 44]\$15,355 |


| Municipality | 1999 <br> Total <br> Needs <br> Mileage | 2000 <br> Tentative Money Needs Apportionment Per Need Mile |
| :---: | :---: | :---: |
| Ramsey | 29.18 | \$11,443 |
| Andover | 33.80 | 11,412 |
| Brooklyn Park | 46.62 | 11,380 |
| Mendota Heights | 13.51 | 10,726 |
| Mahtomedi | 8.33 | 10,579 |
| West St. Paul | 13.10 | 10,281 |
| East Bethel | 26.58 | 10,170 |
| Champlin | 17.01 | 10,120 |
| Morris | 7.74 | 9,961 |
| Shoreview | 16.75 | 9,871 |
| Hastings | 16.09 | 9,663 |
| Corcoran | 14.72 | 9,645 |
| Ham Lake | 24.67 | 9,563 |
| Oak Grove | 19.50 | 9,276 |
| Hermantown | 12.99 | 8,996 |
| Spring Lake Park | 5.34 | 8,786 |
| Lake Elmo | 11.87 | 8,511 |
| Waconia | 5.52 | 8,204 |
| Fridley | 25.02 | 8,060 |
| Falcon Heights | 2.54 | 7,348 |
|  | WYytisem | 4-515, $\$ 15$ |


| Municipality | 1999 <br> Total <br> Noeds Mileage |  |
| :---: | :---: | :---: |
| Alexandria | 14.39 | \$22,670 |
| Fergus Falls | 24.34 | 22,644 |
| Little Falls | 15.67 | 22,618 |
| Mendota Heights | 13.51 | 22,456 |
| St. Michael | 14.77 | 22,216 |
| Montevideo | 8.58 | 21,998 |
| Andover | 33.80 | 21,985 |
| Cambridge | 10.74 | 21,889 |
| Detroit Lakes | 12.41 | 21,591 |
| Morris | 7.74 | 21,271 |
| Ramsey | 29.18 | 20,982 |
| Hibbing | 51.31 | 18,282 |
| Hermantown | 12.99 | 17,543 |
| Hugo | 15.97 | 17,168 |
| Ham Lake | 24.67 | 17,070 |
| Lake Elmo | 11.87 | 16,933 |
| North Branch | 20.89 | 16,350 |
| East Bethel | 26.58 | 15,994 |
| Corcoran | 14.72 | 15,604 |
| Oak Grove | 19.50 | 14,465 |
|  |  |  |

## OTHER



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## Fund 250

1998 MSAS YEAR END CONSTRUCTION BALANCE AVAILABLE
LESS: AMOUNT REQUIRED IN ACCOUNT
MAXIMUM AMOUNT FOR ADVANCE IN THE 1999
AMOUNT ADVANCE TO DATE (LISTED BELOW)
BALANCE AVAILABLE TO ADVANCE
Less Requests to Reserve Advance Funding-Not Advanced Yet
BALANCE AVAILABLE TO ADVANCE (if all requests to reserve are advanced)

| $\$ 35,456,023.49$ |
| :--- |
| $\$(25,000,000.00)$ |
| $\$ 10,456,023.49$ |
| $\$ \quad 11,271,603.49$ |
| $\$ \quad(815,580.00)$ |
| $\$$ |
| $\$ \quad(815,580.00)$ |


| CITY NAME |  | ESOLUTION AMOUNT |  | REQUEST TO RESERVE | ADVANCE | REPAID |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alexandria | \$ | 500,000.00 | YEAR |  | AMOUNT | AMOUNT | BALANCE | COMMENTS |
|  |  | 500,00.00 |  | 500,000.00 | 500,000.00 |  | 500,000.00 |  |
| Andover | \$ | 500,000.00 | 1999 |  |  |  | - |  |
| Buffalo | \$ | 500,000.00 | 1998 | 500,000.00 | 500,000.00 | 347,051.00 | 152,949.00 |  |
| Buffalo | \$ | 500,000.00 | 1999 | 347,051.00 | 347,051.00 |  | 347,051.00 | Advanced Lim |
| Corcoran | \$ | 495,716.67 | 1996 |  | 495,716.67 | 440,240.00 | 55,476.67 |  |
| Cottage Grove | \$ | 910,485.00 | 1998 |  | 910,485.00 | 905,705.00 | 4,780.00 |  |
| Crystal | \$ | 500,000.00 | 1999 | 500,000.00 | 500,000.00 |  | 500,000.00 |  |
| Elk River | \$ | 669,690.00 | 1999 | 669,690.00 | 669,690.00 |  | 669,690.00 |  |
| Fairmont | \$ | 609,056.00 | 1999 |  | 609,056.00 |  | 609,056.00 |  |
| Glencoe | \$ | 213,523.29 | 1999 | 213,523.29 | 213,523.29 |  | 213,523.29 |  |
| Ham Lake | \$ | 435,000.00 | 1999 | 350,000.00 | 350,000.00 |  | 350,000.00 |  |
| Hastings | \$ | 500,000.00 | 1999 | 500,000.00 | 500,000.00 |  | 500,000.00 |  |
| Hermantown | \$ | 340,000.00 | 1998 | 340,000.00 | 340,000.00 | 208,033.00 | 131,967.00 |  |
| Hopkins | \$ | 156,655.00 | 1999 | 187,610.61 | 1,269.53 |  | 1,269.53 |  |
| Lakeville | \$ | 1,290,224.00 | 1998 |  | 1,290,224.00 | 1,266,437.00 | 23,787.00 |  |
| Mahtomedi | \$ | 344,000.00 | 1998 |  | 344,000.00 | 188,063.00 | 155,937.00 |  |
| Mankato | \$ 1 | 1,072,325.50 | 1998 |  | 1,061,653.00 | 797,396.00 | 264,257.00 |  |
| Maplewood | \$ | 650,000.00 | 1999 | 650,000.00 | 650,000.00 |  | 650,000 |  |
| Minnetonka | \$ | 1,300,000.00 | 1999 | 1,300,000.00 | 1,300,000.00 |  | 1,300,000.00 |  |
|  | \$ | 500,000.00 | 1999 | 500,000.00 | . 500.000 .00 |  | 500,000.00 |  |
| Orono |  | 500,000.00 | 1999 | 419,510.00 | $419,510.00$ |  | 419,510.00 |  |
| Owatonna | \$ | 400,000.00 | 1999 |  | 400,000.00 |  | 400,000.00 |  |
| Red Wing |  | 671,000.00 | 1998. |  | 671,000.00 |  | 233,976.00 |  |
| Rochester |  | 137500000 | 1999 | A-Minto | 67,00.00 | 4 U480, | 233,976.00 |  |
| St. Loulis Park |  | 72000000 | 1999 |  | $720,000.00$ | $19$ | 720,000.00 |  |
| St Michael St Paut |  | 50000000 | 1999 | 500,000.00 | 500,000.00 |  | 500,000.00 |  |
|  |  | 300000000 | 1999 |  |  | \% n¢mor | - |  |
| Sartell |  | 450,000.00 | 1999 | $450,000.00$ | 450,000.00 | - er.arm | 450,000.00 |  |
| Virginia reghers |  | 160000 | 1999 |  |  |  | 450,000.00 |  |
| Walte Park Avereit |  | 500,000:60 | 1998 | bearma ar | 374,277.00 | $225,004: 00$ | 149,273.00 |  |
| Waseca | \$ | 40,854.00 | 1999 |  |  |  | 14,273.00 |  |
| White Bear Lake | \$ | 450,000.00 | 1999 | 45000000 |  |  |  |  |
| Woodbury |  | 1,300,00000 | 1999 | 1226,845.00 | $426,84500$ | K? | $426,845.00$ |  |
| Wododbury |  | $1,320,00000$ | $1998$ |  | $1,009,26200$ | 417,006.00 | $\begin{array}{r} 540,040.00 \\ 592,256,00 \\ \hline \end{array}$ | Advanced Limit |
| $\therefore$ TOTAL |  | 3,373,529.46 | $\begin{gathered} 160 \\ 168 \end{gathered}$ | 8,804,229,90 | \$16,503,562.49 | \$ 5,231,959.00. | \$11,271,603,49. |  |
| ! ! \% | 4 | mbmidu | 16\% | यद66\% |  |  | $3: 703100$ | Aramarlimit |
| C:maycc: Paul Stine, D | Dian | Mc Mcabe Ma | all Uohn |  | 4\%9646 | 4, \%0め; | O6455 |  |
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| ¢ \% |  |  | 8 m | 为 |  |  |  |  |

## General Fund Advances

At the Spring 1999 meeting of the Municipal Screening Board, the board passed a resolution affecting the amount which cities could advance from the general fünd. This revision limited the maximum amount a city could advance from its total apportionment to its construction allotment. Starting with the 2000 apportionment, cities will be able to advance the following amounts:

Cities with a construction allotment of $\$ 500,000$ or less can now advance up to three times its previous years construction allotment or $\$ 500,000$, whichever is less.

Cities with a construction allotment of more than $\$ 500,000$ can now advance up to its previous years construction allotment up to a maximum of $\$ 3,000,000$.

The affects of these revisions are:

1) More cities will be able to advance funds because of the smaller amount individual cities can advance.
2) Cities with a total allotment of $\$ 500,000$ or less would be able to pay back the total advance in three years or less.
3) Cities with a total allotment of over $\$ 500,000$ would be able to pay back the total advance in one year instead of having to carry a balance over into the next year.

## Clarification of Guidelines

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 $\$ 25$ million.

This $\$ 25$ million threshold was reviewed by State Aid Finance in August of 1999 and it was determined to continue using it as the minimum account balañee to base the amount available for advanced funding.

A City Council Resolution is required to advance funds. The City Council Resolution can be passed at any time, but must be submitted with, or prior to, any payment requests. It need not be project specific, but must include the maximum amount of advance the City Council is authorizing for financing approved Municipal State Aid Street projects in that year. The resolution does not reserve the funds. The funds are paid on a first come first serve basis established by payment requests. As payment requests are submitted by the city, the amount required to process the payment (up to the resolution/allowable amount) will be added to the city's account. The resolution should be mailed directly to State Aid Finance.

To "reserve" the funds, the City Engineer may submit a "Request to Reserve Advanced Funding" form (Fig. G 5-892.563) up to 8 weeks prior to anticipating or incurring an obligation where advanced funding is required. This form "reserves" the funds in the city's account. Once the request has been approved by State Aid and the funds added to the city's account, a copy of the approved request will be returned to the City Engineer. The "Request to Reserve Advanced Funding" form should be mailed to Diane McCabe in State Aid.

## Engineering Costs

At the Spring 1999 Municipal Screening Board meeting, the board directed that the engineering costs for needs purposes be raised from $18 \%$ to $20 \%$. While all the other Unit Price revisions were implemented as directed by the screening board, we are asking the screening board to reconsider any revisions in the engineering costs at this time.

We are presently in the process of converting our data base and computation programs to a Y2K compliant format. This involves much testing between the old database and the new database to verify that the computations are being computed correctly in the new application.

All the unit prices, except for engineering, are stored on a separate data tape, which is run against the quantities computed by the computations program. This procedure computes a needs dollar amount for the individual items in the unit price study. The computations program then applies 18 percent engineering to these items.
Because the engineering percentage is stored in the computations program, revising it in the middle of the testing would greatly complicate the testing procedures. This is because the engineering would be computed at different percentages depending on when the computations program was run.

If the screening board feels the engineering should be revised this year, it could be done. The MSAS Needs Unit could compute the new engineering cost in an excel spreadsheet and apply that percentage the needs amounts computed by the computations program. The main disadvantage of computing it in this manner is that we would have two sets of information. All our computer printouts would be incorrect and would have to be corrected by hand. Not only would this be confusing now, but it would have to be documented very carefully to be understood in the future.

According to the computer programmers, this revision in the database could be made next year after the new database has been completely tested and implemented.

## PAST HISTORY OF ADMINISTRATIVE ACCOUNT

$11 / 2 \%$ 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.

N:MMSASIEXCELIFALL- 1999IPAST HISTORY OF ADMINISTRATIVE ACCOUNT 1999.XLS

| Year | Allotment | Balance | Spent |
| :---: | :---: | :---: | :---: |
| 1958 | $\$ 113,220$ | $\$ 48,310$ | $\$ 64,910$ |
| 1959 | 125,999 | 55,370 | 7,629 |
| 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 | 11,430 |
| 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 | $1,09,311$ |
| 1996 | $1,394,929$ | 225,105 | $1,169,824$ |
| 1997 | $1,386,626$ | 111,442 | $1,275,184$ |
| 1998 | $1,442,625$ | 161,000 | $1,281,625$ |
| 1999 | $1,511,148$ |  |  |
|  |  |  |  |
|  |  |  |  |

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 $\$ 487,286$ (not to exceed $1 / 2$ of $1 \%$ of the 1999 M.S.A.S. Apportionment sum of $\$ 93,828,258$ ) shall be set aside from the 2000 Apportionment fund and be credited to the research account.

MOTION BY:
SECONDED BY:
N:MSASEXCELIFALL-199YRRSEARCH ACCOUNT MOTION 1999.XLS
PAST HISTORY OF RESEARCH ACCOUNT

| , | Allotmen | Balance | T 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 | 452,040 | 0 | 452,040 |
| 1999 | 469,141 | 0 | 469,141 |
| 2000 | 487,286 | 0 | 487,286 |

# CURRENT RESOLUTIONS <br> OF THE <br> MUNICIPAL SCREENING BOARD 

October, 1999

## 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.

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 $\$ 469,141$ (not to exceed 2 of $1 \%$ of the 1998 MSAS Apportionment sum of $\$ 93,828,258$ ) shall be set aside from the 1999 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.

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 an 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.

Be it resolved that beginning with calendar year 1996, the MSAS 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 MSAS 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. 1998)
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 mileage of local streets, county roads and county road turnbacks.

However, the maximum mileage for State Aid designation may be exceeded to designate trunk highway turnbacks after July 1, 1965 and county highway turnbacks after May 11, 1994 subject to State Aid Operations Rules.

Nov. 1965 (Revised 1972, Oct. 1993, 1995, 1998)
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. 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 local streets, county roads and county road turnbacks 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.

All mileage on the MSAS 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 COSTS

## Roadway Item Unit Prices (Revised Annually)

| Right of Way (Needs Only) |  |  | \$80,000 per Acre |
| :---: | :---: | :---: | :---: |
| Grading (Excavation) |  |  | \$3.30 per Cu. Yd. |
| Base: |  |  |  |
|  | Class 5 | Spec. \#2211 | \$6.70 per Ton |
|  | Bituminous | Spec. \#2331 | \$22.00 per Ton |
| Surface: |  |  |  |
|  | Bituminous | Spec. \#2331 | \$22.00 per Ton |
|  | Bituminous | Spec. \#2341 | \$25.00 per Ton |
|  | Bituminous | Spec. \#2361 | \$31.50 per Ton |
| Shoulders: |  |  |  |
|  | Gravel | Spec. \#2221 | \$10.30 per Ton |
| Miscellaneous: |  |  |  |
|  | Storm Sewer Construction |  | \$246,000 per Mile |
|  | Storm Sewer Adjustment |  | \$79,000 per Mile |
|  | Special Drainage (rural segments only) |  | \$33,000 per Mile |
|  | Street Lighting (every segment) |  | \$35,000 per Mile |
|  | Curb \& Gutter Construction |  | \$7.70 per Lineal Foot |
|  | Sidewalk Construction |  | \$20.50 per Sq. Yd. |
|  | Engineering |  | 20\% |
| Removal Items: |  |  |  |
|  | Curb \& Gutter |  | \$2.10 per Lineal Foot |
|  | Sidewalk |  | \$5.10 per Sq. Yd. |
|  | Concrete Pavement |  | \$4.60 per Sq. Yd. |
|  | Tree Removal |  | \$180.00 per Unit |


| $\|l\|$ <br> Traffic Signal Needs Based On Projected Traffic (every <br> segment) |  |  |  |
| :--- | :--- | :--- | :--- |
| Projected Traffic | Percentage $\quad$ X | Unit Price $=$ | Needs Per Mile |
| $0-4,999$ | $25 \%$ | $\$ 99,990$ | $\$ 24,998$ per Mile |
| $5,000-9,999$ | $50 \%$ | $\$ 99,990$ | $\$ 49,995$ per Mile |
| 10,000 and Over | $100 \%$ | $\$ 99,990$ | $\$ 99,990$ per Mile |

## 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:

| Bridge Unit Costs |  |
| :--- | :--- |
| Bridges 0 to 149 Feet long | $\$ 63.50$ per Sq. Ft. |
| Bridges 150 to 499 Feet long | $\$ 63.50$ per Sq. Ft. |
| Bridges 500 Feet and Over | $\$ 63.50$ per Sq. Ft. |

Railroad Over Highway

| One Track | $\$ 8,200$ per Linear Foot |
| :--- | :--- |
| Each Additional Track | $\$ 6,700$ per Linear Foot |

"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.

## 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) | $\$ 85,000$ per Unit |
| Signals and Gates(Multiple Track - high | $\$ 135,000$ per Unit |
| Signs Only \& (low speed) | $\$ 1,000$ per Unit |
| Rubberized Railroad Crossings (Per Track) | $\$ 850$ per Linear Foot |
| Pavement Marking | $\$ 750$ per 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.

| Maintenance Needs Costs | Cost For <br> Under 1000 <br> Vehicles Per <br> Day | Cost For <br> Over 1000 <br> Vehicles Per <br> Day |  |
| :--- | :--- | :--- | :---: |
| Traffic Lanes <br> Segment length times number of <br> traffic lanes times cost per mile | $\$ 1,360$ per Mile | $\$ 2,260$ per <br> Mile |  |
| Parking Lanes: <br> Segment length times number of <br> parking lanes times cost per mile | $\$ 1,360$ per Mile | $\$ 1,360$ per <br> Mile |  |
| Median Strip: <br> Segment length times cost per mile | $\$ 450$ per Mile | $\$ 900$ per Mile |  |
| Storm Sewer: <br> Segment length times cost per mile | $\$ 450$ per Mile | $\$ 450$ per Mile |  |
| Traffic Signals: <br> Number of traffic signals times cost per <br> signal | $\$ 450$ per Unit | $\$ 450$ per Unit |  |
| Unlimited Segments: Normal M.S.A.S. <br> Streets |  |  |  |
| Minimum allowance per mile is determined <br> by segment length times cost per mile. | $\$ 4,500$ per Mile | $\$ 4,500$ per <br> Mile |  |
| Limited Segments: Combination Routes | $\$ 2,260$ per Mile | $\$ 2,260$ per Mile |  |
| Minimum allowance per mile is determined <br> by segment length times cost 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.

[^0]:    * 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.

[^1]:    ** The total of these cities shows a reduction for one way mileage that is considered as $1 / 2$ mileage

[^2]:    * Rehabilitation of the lift bridge which was approved by the Screening Board in 1986

