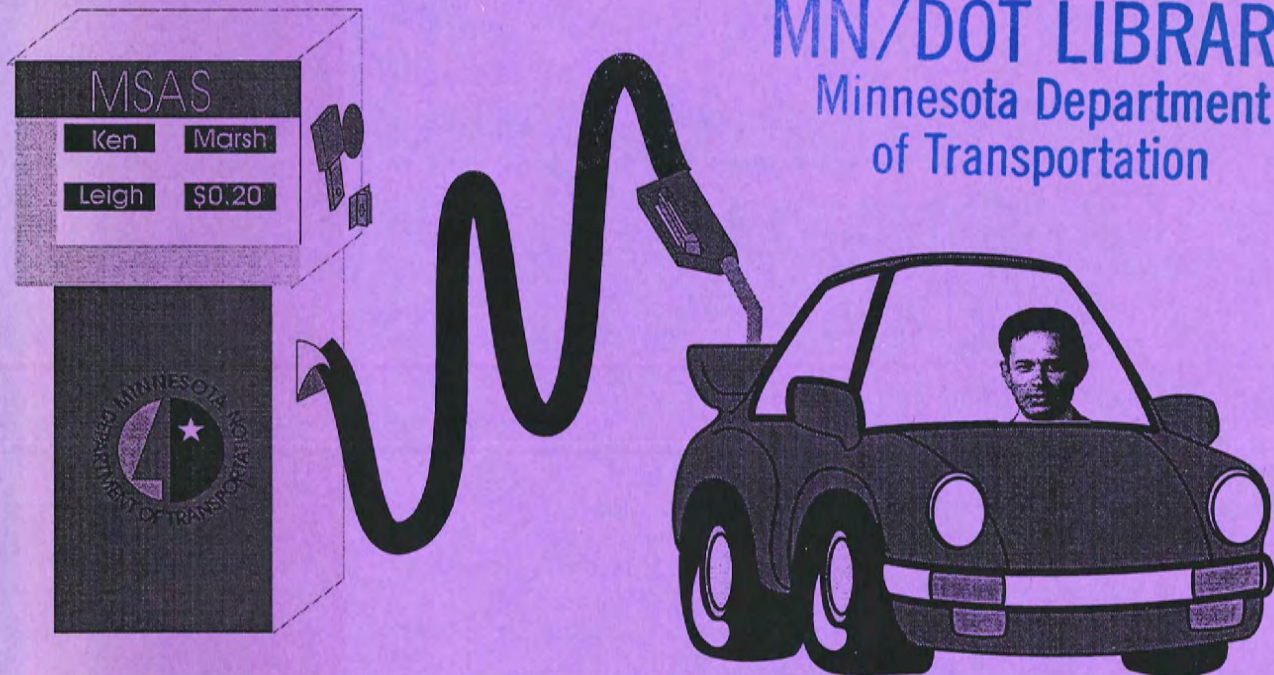




# MUNICIPAL STATE AID

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Minnesota Department  
of Transportation



# STREET APPORTIONMENT DATA

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1997

*JANUARY, 1997*

# **1997 MUNICIPAL STATE AID** **STREET APPORTIONMENT DATA**

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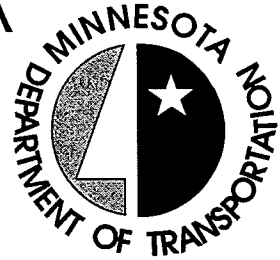
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# STATE OF MINNESOTA

## HIGHWAY DISTRICTS AND URBAN MUNICIPALITIES (population over 5000)



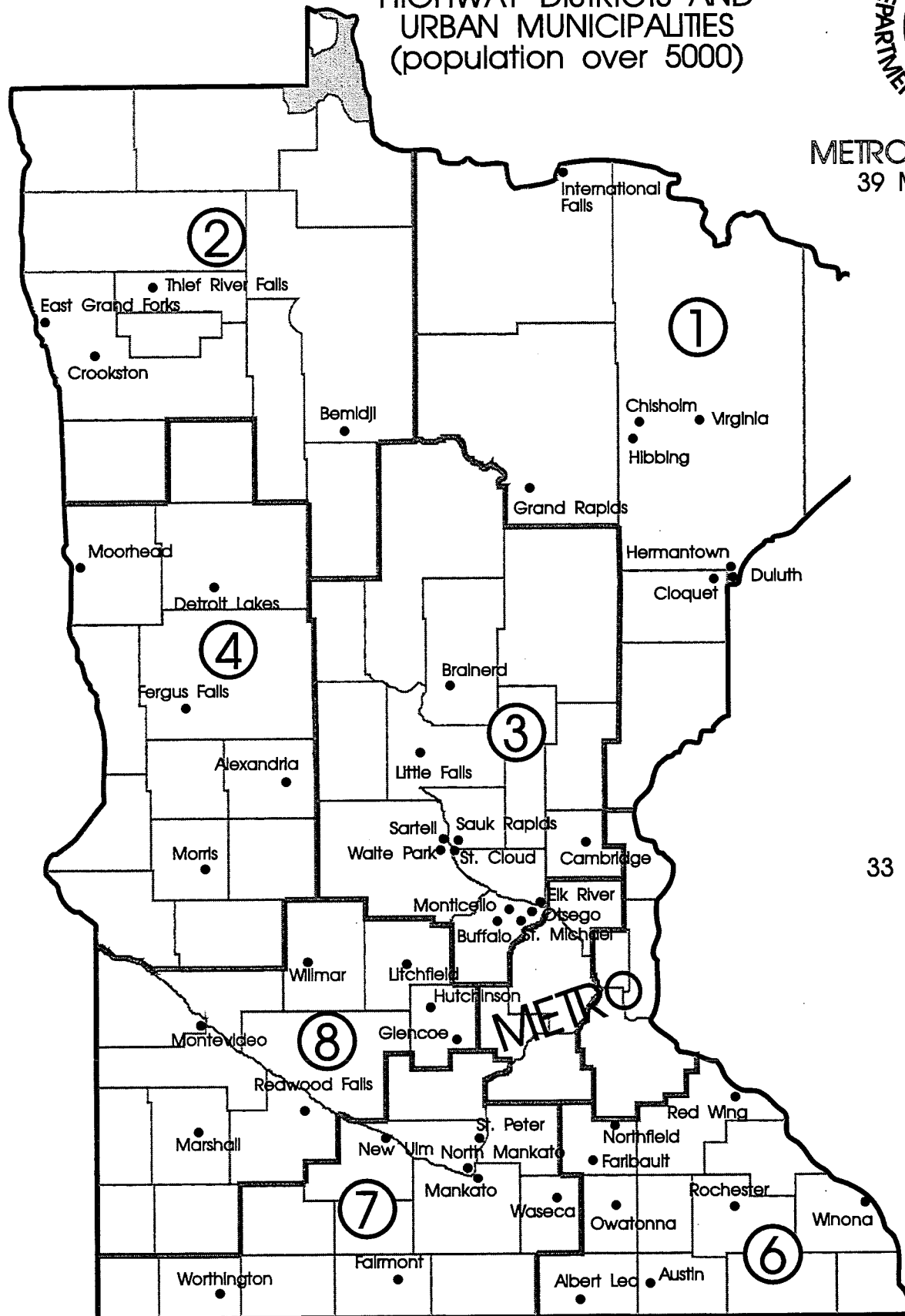
### METRO MUNICIPALITIES

#### 39 Metro West Cities

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

#### 33 Metro East Cities

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



January, 1997

## 1996 MUNICIPAL SCREENING BOARD

### OFFICERS

Chairman	Brian Bachmeier	Oakdale	(612) 739-5086
Vice Chairman	Vacant		
Secretary	John Rodeberg	Hutchinson	(320) 234-4208

### MEMBERS

<u>District</u>	<u>Served</u>	<u>Representative</u>		
1	2	Dave Halter	Grand Rapids	(218) 326-7602
2	3	Gary Sanders	East Grand Forks	(218) 773-1185
3	3	Curt Kreklau	Buffalo	(612) 682-1181
4	2	Gary Nansen	Detroit Lakes	(218) 847-5607
Metro-West	1	Jack Bittle	Champlin	(612) 421-1955
6	2	William Malin	Winona	(507) 457-8269
7	1	Larry Read	Fairmont	(507) 238-9461
8	3	John Rodeberg	Hutchinson	(320) 234-4208
Metro-East	1	Dave Jessup	Woodbury	(612) 731-5784
(Three Cities		Kenneth Larson	Duluth	(218) 723-3278
of the		Ramankutty Kannankutty	Minneapolis	(612) 673-2476
First Class)		Paul St. Martin	St. Paul	(612) 266-6118
<u>District</u>		<u>Alternates</u>		
1		David Salo	Hermantown	(218) 727-8796
2		David Kildahl	Crookston	(218) 281-6545
3		Terry Wotzka	Waite Park, Sauk Rapids	(320) 253-1000
4		Tim Schoonhoven	Alexandria	(320) 762-8149
Metro-West		Lee Gustafson	Minnetonka	(612) 939-8200
6		David Olson	Albert Lea	(507) 377-4325
7		Steven P. Koehler	New Ulm	(507) 359-8245
8		Daniel Sarff	Litchfield	(320) 231-3956
Metro-East		Mark Burch	White Bear Lake	(612) 429-8531

## 1996 SUBCOMMITTEES

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

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

NEEDS STUDY SUBCOMMITTEE	UNENCUMBERED CONSTRUCTION FUNDS SUBCOMMITTEE
Bill Ottensmann - Chairman Coon Rapids (612) 755-2880 Expires in 1996	Alan Gray - Chairman Eden Prairie (612) 949-8300 Expires in 1996
Herb Reimer Moorhead (218) 299-5390 Expires in 1997	Kenneth Larson Duluth (218) 723-3278 Expires in 1997
Ken Saffert Mankato (507) 387-8631 Expires in 1998	David Sonnenberg Minneapolis (612) 673-2443 Expires in 1998

ALLOCATION STUDY SUBCOMMITTEE	
Ramankutty Kannankutty - Minneapolis	(612) 673-2456
Gerald Butcher - Maple Grove	(612) 420-4000
Tom Drake - Red Wing	(612) 227-6220
John Flora - Fridley	(612) 571-3450
Ken Larson - Duluth	(218) 723-3278
Bill Ottensmann - Coon Rapids	(612) 755-2880
Herb Reimer - Moorhead	(218) 299-5390



# **1996 Municipal Screening Board Fall Meeting Minutes**

**October 22 and 23, 1996 ● Grandview Lodge, Nisswa**

## **I. Opening by Chairman Bachmeier**

Chair Bachmeier explained that Dale Swanson, who was the previous chair of the Screening Board for this year, resigned as the City Engineer of Willmar. Being the previous Vice Chair, Bachmeier will be acting Chair.

### **A. Chair Bachmeier introduced:**

<b>Bill Ottensmann</b>	<b>Chairman of the Needs Study Subcommittee</b>
<b>Alan Gray</b>	<b>Chairman of the Unencumbered Construction Fund Subcommittee</b>
<b>John Rodeberg</b>	<b>Secretary of the Screening Board</b>

The Secretary conducted the roll call of the members:

District 1	Dave Halter	Grand Rapids
District 2	Gary Sanders	East Grand Forks
District 3	Curt Kreklau	Buffalo
District 4	Gary Nansen	Detroit Lakes
Metro-West	Jack Bittle	Champlin
District 6	William Malin	Winona
District 7	Larry Read	Fairmont
District 8	John Rodeberg	Hutchinson
Metro-East	Dave Jessup	Woodbury
Duluth	Ken Larson	
Minneapolis	Ramankutty Kannankutty	
St. Paul	Paul St. Martin	

Screening Board Alternates:

District 3	Terry Wotzka	Waite Park, Sauk Rapids
District 8	Daniel Sarff	Litchfield

**B. The Chair recognized Department of Transportation personnel:**

<b>Patrick Murphy</b>	<b>State Aid Engineer</b>
<b>Julie Skallman</b>	<b>Assistant State Aid Engineer</b>
<b>Ken Straus</b>	<b>Manager, Municipal State Aid Needs</b>
<b>Ken Hoeschen</b>	<b>Manager, County State Aid Needs</b>
<b>Bill Croke</b>	<b>District 1 State Aid Engineer</b>
<b>Luane Tasa</b>	<b>District 2 State Aid Engineer</b>
<b>Mike Tardy</b>	<b>District 3 State Aid Engineer</b>
<b>Tallack Johnson</b>	<b>District 4 State Aid Engineer</b>
<b>Mike Pinsonneault</b>	<b>District 6 State Aid Engineer</b>
<b>Doug Haeder</b>	<b>District 7 State Aid Engineer</b>
<b>Tom Behm</b>	<b>District 8 State Aid Engineer</b>
<b>Bob Brown</b>	<b>Metro Division State Aid Engineer</b>

**C. The Chair recognized others in attendance.**

<b>Dave Kreager</b>	<b>Duluth</b>
<b>Dan Sabin</b>	<b>Minneapolis</b>
<b>Larry Veek</b>	<b>Minneapolis</b>
<b>Marshall Johnson</b>	<b>Municipal State Aid Needs</b>
<b>Ed Lincowski</b>	<b>Ass't District 1 State Aid Engineer</b>
<b>Greg Coughlin</b>	<b>Ass't. Metro District State Aid Engineer</b>
<b>Greg Felt</b>	<b>Ass't. Metro District State Aid Engineer</b>

**D. Consideration of 1996 Spring Municipal Screening Board Minutes**

The 1996 Spring Municipal Screening Board Minutes were presented for approval with one revision. On Page 9 under Special Drainage, the dollar amount should be \$28,490.

*Motion by Kreklau/second by Jessep to approve minutes*

## **II. Municipal Needs Report presented by Ken Strauss**

### **A. New Cities**

Ken noted that Glencoe, St. Michael and Redwood Falls would be added to the list of MSA cities.

### **B. 1996 Screening Board and Subcommittee Members:**

The membership was noted on pages 2 - 5.

### **C. Needs, Mileage, and Apportionment:**

Ken noted that annexations, the addition of new cities, and county and trunk highway turnbacks have had a significant effect on Needs for 1996.

### **D. Population Apportionment:**

Ken noted that Glencoe's population should be 5,196, St. Michael should be 6,559, and Redwood Falls is expected to be just over 5,000. He also noted the fast growth of some of the suburban cities, with Woodbury being the fastest growing.

### **E. Needs Study Update:**

Ken noted that with the all changes (unit prices, population, traffic counts etc.) the total needs increased by \$52,000,000 or 3.0%.

### **F. Itemized Tabulation of Needs:**

The Needs to Apportionment Ratios should be 20.1874 for 1995, 19.4920 for 1996, for a difference of 0.6954.

### **G. Tentative Construction (Money) Needs Apportionment and Adjustments:**

Alexandria and Andover have adjustments for segments that were deleted in 1995.

Oakdale had an additional project that reduced its balance to 0. Ken noted that the State Aid advance was extensively used in 1996.

### **H. Turnback Maintenance Allowance:**

Ken noted that the "Total Mileage" should be 38.36, and "Miles Eligible for Turnback Maintenance" should be 33.41.

### **I. Tentative Apportionment Data:**

This entire section is devoted to the establishment of a tentative 1997 M.S.A.S.

Apportionment. If the Board accepts the mileage and needs data as shown in this report, the original of the letter shown on page 49 must be signed by all members. These adjustments are generally the result of Screening Board Resolutions or Minnesota Statutes and were briefly explained in the report.

### **J. General Fund Advance:**

Ken reviewed the usage of the General Fund Advances for the past year. He noted that the year-end balance was used to determine the total advance amount available. He also discussed the State Aid policy on repayment of advances and the guidelines on advances by first class cities.



#### **K. Minneapolis Request**

Ken noted the written request by Minneapolis (p.62 and 63) for consideration.

#### **L. History of the Administrative Account:**

Julie Skallman asked for feedback on the use of the administrative account. SDIC (Systematic Development of Informed Consent) classes were previously used. Recertification classes will also be covered. T<sup>2</sup> classes have been previously funded from the account, but may not be in the future. It was suggested that the funds available remain at 1 ½%.

### **III. Discussion Items (Action to be taken on Wednesday)**

#### **A. Unencumbered Construction Fund Balance Deduction Date**

Ken discussed changing the Unencumbered Construction Fund Balance deduction date from September 1 to December 31. Alan Gray discussed issues related to the Unencumbered Construction Fund Committee. He noted their support for this request. This proposal would show a lower balance in the account at year-end, which will clarify actually how much is in the fund at the end of the year. Pat Murphy also discussed the advantages of this proposal. The effect of this change on the report was noted. In order to meet deadlines, the Needs Report would still be based on September 1, while changes to the account balances would still occur after that date.

#### **B. Minneapolis Request for Unencumbered Construction Fund Balance Adjustment Exemption (page 62 and 63 of Needs Report)**

Minneapolis is requesting the Screening Board to consider an exemption to the September 1 deadline for an adjustment to its unencumbered construction fund balance. R. Kannankutty (Minneapolis) had additional comments regarding the unusual nature of this year's projects, and its effect on construction schedules. He noted that they have been very aggressive in the past on this issue. This is Force Account work to be completed by City staff. Action will occur tomorrow.

#### **C. Research Account:**

In the past, a certain amount of money has been set aside by the Municipal Screening Board for research projects. The maximum amount to be set aside from the Municipal State Aid Street fund is ½ of 1% of the preceding year's apportionment sum. Larry Read noted the valuable work and research that is being completed with this funding. Action will occur tomorrow.

#### **D. Needs Quantity Table Review: (page 68 of Needs Report)**

Ken noted that reference to concrete roadways was previously deleted from the needs. The charts in the Needs Report make a G.E. comparison between the quantity tables used for the computation of construction needs and the G.E. requirement for design. Bill Ottensmann and Ken Straus discussed the charts and explained the recommendations of the Needs Study Subcommittee on this item. The G.E. calculation in the Needs Report does not accurately reflect the actual needs. The recommendation is to make the Needs calculations reflect the actual design criteria. Prior to the June 1997 Municipal Screening Board Meeting, the Needs Study Subcommittee will work with Ken Straus to develop a formal proposal.

**E. Allocation Study Subcommittee**

Ken Strauss and Chair Ramankutty Kannankutty reviewed the minutes of the last meeting.

**F. Advance Funding Program.**

Pat, Kannankutty and Al Gray discussed that Cities of the first class need to have more latitude in advance funding. It was noted that, at this point, the current rules are satisfactory. Support was noted to continue the program as it has been laid out.

**G. Alternates**

It was noted that alternates may come at any time, however State Aid will only pay for the year prior to their term. It was also noted that all alternates should be sent all information regarding the meeting, so that they would have the ability to prepare properly if asked to serve.

**IV. Motion to Adjourn**

Committee considered for adjournment until 8:30 A.M. Wednesday morning, when formal action will be taken on the items before the board.

*Motion by Jessep/second by Nansen to approve. Approved unanimously.*

Meeting adjourned at 3:10 p.m.

**V. Motion to Readjournal**

The Committee readjournalled at 8:30 a.m. Wednesday morning.

**VI. Formal Actions by Screening Board**

**A. Needs and Apportionment Data:**

Consideration of Approving Needs and Apportionment Data. Kannankutty discussed the addition of Redwood Falls. Ken Straus noted that the letter to be signed includes references to cities that will be added.

*Motion by Kannankutty/second by Read to approve Needs & Apportionment Data. Approved unanimously.*

**B. Unencumbered Construction Fund Balance deduction date**

Consideration of changing the Unencumbered Construction Fund Balance deduction date from September 1 to December 31 was discussed. Dave Jessep noted that this should be effective in 1996. Ken Larson, as Chair of the Unallocated Construction Fund Subcommittee also recommended approval. Ken Straus will send out a memorandum noting the change.

The motion included an effective date of 1996, and a modification in the Resolution wording to change the word "Project" in the 2nd paragraph of the Resolution to "Funding Request".

*Motion by Kreklau/second by St. Martin to approve. Approved unanimously (Kannankutty abstained).*

**C. Minneapolis Request**

Minneapolis requested that the Screening Board consider an exemption to the September 1 deadline for an adjustment to its unencumbered construction fund balance.

*Due to the previous action, the request by Minneapolis was withdrawn.*

**D. Research Account**

The State Aid staff recommended approving the allocation for the Research Account in the amount of \$453,703 (not to exceed ½ of 1% of the 1996 M.S.A.S. Apportionment sum of \$90,740,650), which shall be set aside from the 1997 Apportionment Fund and be credited to the research account.

*Motion by Read/second by Kannankutty to approve. Unanimously approved.*

**E. Needs Quantity Table Review**

This was referred to the Needs Study Subcommittee for further review

**F. Joint Meeting with County Engineer's Screening Board**

Dave Jessep submitted a motion to have the Executive Board set up a joint meeting with the County Engineer's Screening Board Representatives at the next Screening Board Meeting. Pat Murphy noted that he would meet with the Chair of the County Engineer's Screening Board to discuss the issue.

*Motion by Jessep/second by Ken Larson to approve. Unanimously approved.*

**VII. Closing Comments**

Pat Murphy had no further comments on State Aid issues.

The Chair thanked Bill Ottensmann, Chairman of the Needs Study Subcommittee, Alan Gray, Chairman of the Unencumbered Construction Fund, and Ramankutty Kannankutty, Chairman of the Allocation Study Subcommittee for their excellent work.

The Chair thanked the Screening Board and especially the three Representatives who will be leaving the Board.

District 2	Gary Sanders	East Grand Forks
District 3	Curt Kreklau	Buffalo
District 8	John Rodeberg	Hutchinson

Special Appreciation to Bill Croke - District 1 State Aid Engineer who will be retiring next year and most likely will not be attending Screening Board Meetings, and to Ken Larson for his "lingering efforts" in developing and presenting the planning sessions.

Ken Larson briefly noted the activities of the Utility Coordination Subcommittee and its efforts with the League of Minnesota Cities.

**VIII. Entertain motion for adjournment.**

*Motion by Bittle/second by Kannakutty to adjourn. Approved unanimously*  
The meeting was adjourned at 9:10 a.m.

Submitted by,

A handwritten signature in black ink, appearing to read 'J.P. Rodeberg', with a stylized flourish at the end.

**John P. Rodeberg, P.E.**  
**MSA Screening Board Secretary**  
*(Hutchinson City Engineer)*

## **MINUTES OF THE NEEDS SUBCOMMITTEE MUNICIPAL STATE AID SCREENING BOARD**

The meeting of the Needs Study Subcommittee was called to order by Chairman Bill Ottensmann, Coon Rapids, at 10:00 a.m. on Tuesday September 17, 1996 at the MnDOT Water's Edge Building, Roseville, MN.

Other members present:        Mr. Ken Saffert, City of Mankato  
   Mr. Herb Reimer, City of Moorhead

Also present were Mr. Ken Straus, Manager - Municipal State Aid Needs; and Mr. Mark Gieseke, MnDOT State Aid Federal Aid Project Engineer.

The main purpose of the meeting was to review the Design Quantity Tables. The Needs Committee also met after lunch (1:00 p.m) with the Allocation Subcommittee to review different methods of computing needs.

Quantity Table Review: Tables attached.

The committee reviewed Urban Design Quantity Tables for MSAS and County - Charts 1 & 2. The review was to see if the Gravel Equivalency (GE) shown in the State Aid Manual, Figure B5-892.201 required design GE matched the amount applied to needs. The committee also reviewed the bituminous surface tables, Urban Charts 3 & 4 for MSAS and County. The needs study bituminous surface total GE is high when compared to the required design GE. The charts make a Gravel Equivalency (GE) comparison to the Needs Quantity Tables and what is required for construction. In some areas the total GE (needs) varies considerably to what is required for street construction.

MSAS - Urban Chart 5 shows GE comparison for sub-base and base, bituminous and the total GE for MSAS needs and what is required for design. The consensus of the committee is that the needs should be changed to be more in line with the Required Construction (GE) Design.

The chart showing MSA - Rural (Sub-base Class 4 and Base Class 5) make a GE comparison to the Needs Quantity Table and what is required for construction. The needs sub-base and base total GE for urban streets is low when compared to the required design GE. The MSA - Rural (bituminous base and surface) Chart makes a GE comparison to the Needs Quantity Table and what is required for construction and shows that the MSAS needs vary considerably with the design requirement GE. The total base and bituminous GE for most soil factors is somewhat low and the committee consensus was that they should be modified to reflect design requirements. The rural charts indicate that both base and bituminous GE are low in all soil factors when compared to the required design GE.

The Committee reviewed figure 5-3.6, Bituminous Design Chart (Aggregate Base). The bituminous pavement design chart Aggregate Base (total GE) compares fairly well with State Aid Manual Design (Figure 5-892.201).

Needs using either design method are heavy on bituminous. Committee suggested modifying needs to reflect design requirements.

Summary: The required GE for construction and needs vary. The required construction (GE) for the poorer soil types (100-130) and for the higher traffic volumes varies the most.

A motion was made by Saffert, seconded by Ottensmann that both urban and rural needs be modified to be used in 1997 needs update to reflect the design requirements for bituminous base. Ayes all, motion carried. The committee will further review this matter with the goal of providing the June Screening Board with data and recommendations on adjusting the depths and quantities so that the needs are more comparable with the construction requirements.

Geometric Design Standards:

The committee reviewed the geometric design standards for urban; new or reconstruction, and the MSAS Needs Study Urban Design Quantity Table, Figure F5-892.810. The design chart allows for narrower width than what is called for in the Needs Table.

The consensus of the committee after reviewing the matter of needs versus design requirements was that the following should be reviewed by the committee and be considered for 1997 needs update.

1. Should needs width change for increased design speed?
2. New rules allow cities to rebuild a street within present right-of-way limits. How should this affect needs? Should needs be based on existing width of the streets and/or on existing traffic plus projected traffic factor?
3. Should needs deduction be made for constructing a street to a lesser width than is being represented in the needs?
4. Should parking lanes be included in needs?

Attachments: MSAS - Urban Chart 1 (Sub-base Class 4 & Base Class 5)  
County - Urban Chart 2 (Sub-base Class 4 & Base Class 5)  
MASAS - Urban Chart 3 (Bituminous Surface)  
County - Urban Chart 4 (Bituminous Surface)  
MSAS - Urban Chart 5 (Total Comparison)  
MSA - Rural (Sub-base Class 4 and Base Class 5)  
MSA - Rural (Bituminous Base and Surface)  
Figure B5-892.201 - GE Equivalency Chart  
Figure 5-3.6, Bituminous Design Chart (Aggregate Base)  
Geometric Design Standard; Urban; New or reconstruction

HDR:cw/oct\min



# SCHEDULE "A"

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## Minnesota Department of Transportation ESTIMATED Funds Available for Distribution in Calendar Year 1997 From Highway User Tax Distribution Fund

### ESTIMATED Gross Income After Refunds (Fiscal 1997)

Motor Fuel Tax	7-1-96 to 12-31-96	\$280,022,230	
	1-1-97 to 6-30-97 (Est.)	<u>261,671,729</u>	
	Subtotal		\$541,693,959
Motor Vehicle Tax	7-1-96 to 12-31-96	\$235,205,798	
	1-1-97 to 6-30-97 (Est.)	<u>241,486,592</u>	
	Subtotal		\$476,692,390
Interest Earned on Highway User Tax Distribution Fund			
	7-1-96 to 12-31-96	636,155	
	1-1-97 to 6-30-97 (Est.)	<u>690,000</u>	
	Subtotal: HUTD Interest		\$1,326,155
Total Highway Users Income			<u>\$1,019,712,504</u>

### Less Transfer to:

DEPARTMENT OF PUBLIC SAFETY			
Motor Vehicle Division	\$10,952,000		
General Fund Reimbursement	716,000		
Trunk Highway Reimbursement	474,000		
DEPARTMENT OF REVENUE			
Petroleum Division	1,912,000		
DEPARTMENT OF NATURAL RESOURCES			
Unrefunded Marine Gas Tax	6,185,100		
Unrefunded Snowmobile Gas Tax	3,092,600		
Unrefunded All Terrain Vehicle Gas Tax	618,500		
Unrefunded Forest Road	571,700		
Off-Road Motorcycle	189,700		
Off-Road Vehicle	676,300		
DEPARTMENT OF ADMINISTRATION			
Statewide Indirect Costs (Estimated)	<u>412,000</u>		
Subtotal: Transfers Out			<u>\$25,799,900</u>

ESTIMATED Funds Available for  
Distribution in Calendar Year 1997 \$993,912,604

### Special 5% Distribution (M.S. 161.081, M.S. 161.082, M.S. 161.083)

\$954,542,829 x 5% = \$47,727,141

Trunk Highway Fund	(28%)	\$13,914,776
County Turnback Account	(64%x27.5%)	8,746,431
Town Bridge Account	(64%x25%)	7,951,301
Town Road Account	(64%x47.5%)	15,107,472
Municipal Turnback Account	(8%)	<u>3,975,650</u>

Subtotal: 5% Distribution \$49,695,630

### Regular Distribution (Minn. Constitution Art. XIV, Sect. 5)

\$954,542,829 x 95% = \$906,815,688

Trunk Highway Fund	(62%)	585,414,524
County State Aid Highway Fund	(29%)	273,822,922
Municipal State Aid Street Fund	(9%)	<u>84,979,528</u>

Subtotal: 95% Distribution \$944,216,974

# SCHEDULE "B"

## Minnesota Department of Transportation ESTIMATED Funds Available for Distribution in 1997

### Counties

#### INCOME:

Highway Users Fund (29%) - Excluding Turnback	\$273,822,922
Investment Interest	16,250,000
Increase (Decrease) in income over 1996 estimate	(1,281,609)
Unexpended balance of 1996 Administrative Cost Account	1,190,263
Unexpended balance of 1996 Research Account	
Release of Unencumbered State Park Fund	
Total Funds Available	<u>\$289,981,576</u>

#### DEDUCTIONS:

Administrative Account (1-1/2% of total funds available)	\$4,349,724
Disaster Fund	
Legal Limit (1% of Total Apportionment to Co.)	2,808,242
Unexpended balance as of 12/31/96	<u>1,514,573</u>
Amount required to make the 1% maximum	\$1,293,669
Research Account (1/2 of 1% of the 1996 Apportionment Sum)	
\$278,383,076 x .50% = \$1,391,915	
(As determined by 1996 Screening Board)	\$1,391,915
State Park Road Fund	
After deducting for the Administrative Account, Disaster Fund, and Research Account, a sum of three quarters of one percent of the remainder shall be set aside for use as prescribed by law.	<u>\$2,122,097</u>

#### APPORTIONMENT SUM Available for Distribution to the Counties in 1997

\$280,824,171

Equalization	10% =	28,082,417
Registration	10% =	28,082,417
Mileage	30% =	84,247,251
Money Needs	50% =	<u>140,412,086</u>
		\$280,824,171

# SCHEDULE "C"

## Minnesota Department of Transportation ESTIMATED Funds Available for Distribution in 1997

### Municipalities

#### INCOME:

Highway Users Fund ( 9%) - Excluding Turnback	\$84,979,528
Interest on Investments	8,750,000
Increase (Decrease) in income over 1996 estimate	(1,512,867)
Unexpended balance of 1996 Administrative Cost Account	225,105
Unexpended balance of 1996 Research Account	<u>0</u>
<b>Total Funds Available</b>	<b>\$92,441,766</b>

#### DEDUCTIONS:

Administrative Account (1-1/2% of total funds available)	\$1,386,626
Disaster Fund	
Legal Limit	
(5% of the Current Apportionment Sum)	\$4,530,403
Unexpended balance as of 12/31/96	<u>4,537,032</u>
Amount required to make maximum allowed	(\$6,629)

NOTE: Annual amount cannot be greater than 2% of total funds available after deducting Administrative Account.

Research Account (1/2 of 1% of the 1996 Apportionment Sum)	
\$90,740,650 x .50% = \$453,703	
(As determined by 1996 Screening Board)	\$453,703

#### APPORTIONMENT SUM Available for Distribution to the Urban Municipalities in 1997

\$90,608,066

Population	50% =	\$45,304,033
Money Needs	50% =	<u>45,304,033</u>
		\$90,608,066

# **SCHEDULE "D"**

Minnesota Department of Transportation  
ESTIMATED Funds Available for Distribution in 1997

## **Town Bridge Account & Town Road Account**

**Income to Town Bridge Account:**

Highway Users Fund(64% x 25% x 5%)

\$7,951,301

Increase (Decrease) in income over

previous years estimates

(42,624)

**Total monies available for distribution to  
Towns in 1997**

**\$7,908,677**

**Income to Town Road Account:**

Highway Users Fund(64% x 47.5% x 5%)

\$15,107,472

Increase (Decrease) in income over

previous years estimates

(80,985)

Per 1996 Laws of Minnesota, Chapter 455,  
Article 1, Sub. (e) - Shingobee Road (Cass Co.)

(100,000)

**Total monies available for distribution to  
Towns in 1997**

**\$14,926,487**

## APPORTIONMENT SUMMARY

*The Municipalities share of the Highway Users Tax Distribution Fund for the 1997 apportionment is \$90,608,066. This amount is a decrease of \$132,584 or .1461 % from the 1996 apportionment. The decrease in revenue is mainly attributed to overestimating the prior years revenue. The available funds are distributed 50% on Population and 50% on Adjusted Construction (Money) Needs and is done by the following steps.*

### ***Step 1. Population Allocation is determined:***

*50% of the total apportionment sum is distributed on a prorated share that its population bears to the total population of all the other cities.*

*The 1990 Federal Census or Special Census in conjunction with the State Demographer's or Metropolitan Council's 1995 estimate was used to determine the 1997 population apportionment. The estimate was used to compute the 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.*

*The following adjustments were made to the 1990 census and 1995 estimate due to annexations and detachments.*

Cambridge	+ 2	Sartell	+ 220
Fergus Falls	+ 213	Stillwater	+ 90
Otsego	+ 167	Winona	+ 851

*The population total increased by 59,384 people since the 1990 census due to the addition of 6 new cities, numerous annexations and the inclusion of 2 special census. The addition of 6 cities increased the population by 32,678, annexations increased the total by 12,167 and the 2 special census not taken by new cities increased the total by 15,245.*

*The City of Glencoe, located about 28 miles west of Chaska, took a special census and became the 120th city with a population of 5,196. Glencoe was the only city to take a special census in 1996.*

*St. Michael which incorporated most of Frankfort Township became the 121st city with a population of 5,867. The new city is located Southwest of Otsego which also incorporated part of the township.*

*The 1990 Federal Census resulted the population of Redwood Falls to fall below 5,000. In 1996, the city of Redwood Falls and North Redwood consolidated to become one city, Redwood Falls, with a combined population of 5062. This consolidation increased the number of municipalities over 5,000 to 122. The City did not receive a MSA allocation from 1992 through 1996.*

*The per capita population allocation is approximately \$14.96. This a decrease of \$ .29 from the 1996 allocation.*

***Step 2. MSAS Construction Needs Allocation is determined:***

*50% of the total apportionment sum is determined on a prorated share that the city's Adjusted Construction (Money) Needs bears to the total Adjusted Construction Needs of all cities. The meaning of Construction (Money) Needs used in this report is a estimate of constructing and maintaining the Municipal State Aid Street (MSAS) system over a period of 20 years. The MSAS system comprises up to 20% of the city's local and county road mileage plus county or trunk highway turnback mileage. The result of Screening Board adjustments to the Construction Needs are called the Adjusted Construction Needs.*

*In the 1997 apportionment, \$1000 in Adjusted Construction Needs earned approximately \$25.91. This is a decrease of \$1.72 per \$1000 from the 1996 apportionment when the needs earned approximately \$27.63. The value of the adjusted needs were reduced due to the addition of 125.75 miles to the 1996 needs study, the needs study update, traffic count update, unit price update and changing the date of the unencumbered balance deduction from September 1 to December 31. The total affect of these changes and additions increased the adjusted needs over 100 million dollars from the 1995 needs study.*

***Step 3. The Total Allotment is determined:***

*Population and Adjusted Construction Needs allocations are combined to determine the city's total apportionment.*

***Step 4. Construction and Maintenance Allotments are determined:***

*Each City's total allotment is used to determine the amounts allocated to their Maintenance and Construction Accounts. If a city didn't request more than the minimum maintenance, it was allocated at a rate of \$1500 per improved mile plus any bond interest that is due in 1997. An Administrative Variance from the State Aid rules adopted in 1995 was processed so that the minimum maintenance could be allocated at \$1500 per improved mile instead of \$1000 per improved kilometer. A greater amount is allocated to those cities that have submitted a written request before December 16 preceding the apportionment. After the maintenance amount is determined, the remaining amount is allocated to the city's construction account.*



**1997 POPULATION APPORTIONMENT**  
(The allocation per Capita equals approximately \$14.96)

The 1990 Census and the 1995 Estimate includes population increases or decreases due to annexations or detachments.

		1990 or Special Census	1994 Population Estimate	1995 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 Estimate & 90 Census	Population used for 1997 Allocation	Allocation if only Census was used	1997 Allocation Using 1990 Census or 95 Estimate	Difference Between Using Census & 95 Estimate
***	Albert Lea	18,310	18,338	18,207	(131)	(103)	18,310	\$289,263	\$273,891	(\$15,372)
	Alexandria	8,029	8,251	8,274	23	245	8,274	126,843	123,767	(3,076)
	Andover	15,216	19,465	20,497	1,032	5,281	20,497	240,383	306,606	66,223
	Anoka	17,192	17,509	17,533	24	341	17,533	271,600	262,268	(9,332)
	Apple Valley	34,598	39,188	40,684	1,496	6,086	40,684	546,581	608,574	61,993
	Arden Hills	9,199	9,426	9,560	134	361	9,560	145,326	143,004	(2,322)
	Austin	21,953	22,062	22,055	(7)	102	22,055	346,815	329,911	(16,904)
	Bemidji	11,166	11,494	11,422	(72)	256	11,422	176,401	170,857	(5,544)
	Blaine	38,975	41,658	42,268	610	3,293	42,268	615,730	632,268	16,538
	Bloomington	86,335	86,683	86,912	229	577	86,912	1,363,926	1,300,078	(63,848)
	Brainerd	12,353	12,521	12,579	58	226	12,579	195,154	188,164	(6,990)
***	Brooklyn Center	28,887	28,484	28,463	(21)	(424)	28,887	456,359	432,108	(24,251)
	Brooklyn Park	56,381	58,471	59,832	1,361	3,451	59,832	890,711	895,000	4,289
	Buffalo	7,302	7,722	7,994	272	692	7,994	115,357	119,579	4,222
	Burnsville	51,288	54,525	55,550	1,025	4,262	55,550	810,251	830,948	20,697
	Cambridge	5,102	5,222	5,325	103	223	5,325	80,602	79,654	(948)
	Champlin	16,849	19,030	19,154	124	2,305	19,154	266,182	286,516	20,334
	Chanhassen	11,736	14,316	15,231	915	3,495	15,231	185,406	227,834	42,428
	Chaska	11,339	13,721	14,000	279	2,661	14,000	179,134	209,420	30,286
***	Chisholm	5,290	5,220	5,170	(50)	(120)	5,290	83,572	79,131	(4,441)
	Cloquet	10,885	11,070	11,160	90	275	11,160	171,962	166,937	(5,025)
***	Columbia Heights	18,910	18,882	18,681	(201)	(229)	18,910	298,741	282,866	(15,875)
	Coon Rapids	52,978	58,991	59,981	990	7,003	59,981	836,950	897,229	60,279
	Corcoran	5,199	5,508	5,549	41	350	5,549	82,134	83,005	871
	Cottage Grove	22,935	26,675	27,726	1,051	4,791	27,726	362,329	414,741	52,412
	Crookston	8,119	8,163	8,135	(28)	16	8,135	128,264	121,688	(6,576)
***	Crystal	23,788	23,703	23,661	(42)	(127)	23,788	375,804	355,834	(19,970)
	Detroit Lakes	7,147	7,301	7,317	16	170	7,317	112,909	109,452	(3,457)
	Duluth	85,493	85,746	85,665	(81)	172	85,665	1,350,624	1,281,425	(69,199)
	Eagan	47,409	54,957	56,681	1,724	9,272	56,681	748,970	847,866	98,896

Municipality	1990 or Special Census	1994 Population Estimate	1995 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 Estimate & 90 Census	Population used for 1997 Allocation	Allocation if only Census was used	1997 Allocation Using 1990 Census or 95 Estimate	Difference Between Using Census & 95 Estimate
East Bethel	8,050	8,702	8,995	293	945	8,995	\$127,174	\$134,552	\$7,378
East Grand Forks	8,658	8,947	8,983	36	325	8,983	136,780	134,373	(2,407)
Eden Prairie	39,311	44,189	46,310	2,121	6,999	46,310	621,038	692,731	71,693
Edina	46,075	46,841	46,845	4	770	46,845	727,896	700,734	(27,162)
Elk River	11,143	12,811	13,286	475	2,143	13,286	176,038	198,739	22,701
Fairmont	11,265	11,350	11,340	(10)	75	11,340	177,965	169,630	(8,335)
*** Falcon Heights	5,380	5,297	5,355	58	(25)	5,380	84,994	80,477	(4,517)
Faribault	17,090	18,492	18,727	235	1,637	18,727	269,989	280,129	10,140
Farmington	5,940	6,870	7,708	838	1,768	7,708	93,841	115,301	21,460
Fergus Falls	12,701	12,596	12,876	280	175	12,876	200,651	192,606	(8,045)
Forest Lake	6,008	6,397	6,538	141	530	6,538	94,915	97,799	2,884
*** Fridley	28,335	28,104	28,204	100	(131)	28,335	447,638	423,851	(23,787)
** Glencoe	5,196	5,196	5,196	5,196	0	5,196	82,087	77,725	(4,362)
*** Golden Valley	20,971	20,947	20,911	(36)	(60)	20,971	331,301	313,696	(17,605)
Grand Rapids	7,976	8,163	8,159	(4)	183	8,159	126,005	122,047	(3,958)
Ham Lake	8,924	9,825	10,243	418	1,319	10,243	140,982	153,220	12,238
Hastings	15,478	16,200	16,392	192	914	16,392	244,522	245,201	679
Hermantown	6,761	7,237	7,093	(144)	332	7,093	106,811	106,101	(710)
*** Hibbing	18,046	17,964	17,857	(107)	(189)	18,046	285,092	269,942	(15,150)
Hopkins	16,529	16,536	16,573	37	44	16,573	261,126	247,908	(13,218)
** Hugo	5,223	5,208	5,324	116	101	5,324	82,513	79,639	(2,874)
Hutchinson	11,459	12,174	12,505	331	1,046	12,505	181,030	187,057	6,027
*** International Falls	8,301	7,811	7,828	17	(473)	8,301	131,140	124,171	(6,969)
Inver Grove Height	22,477	25,243	26,012	769	3,535	26,012	355,093	389,102	34,009
Lake Elmo	5,874	6,072	6,148	76	274	6,148	92,798	91,965	(833)
* Lakeville	33,274	32,978	34,292	1,314	1,018	34,292	525,665	512,959	(12,706)
Lino Lakes	8,807	12,266	13,097	831	4,290	13,097	139,134	195,912	56,778
Litchfield	6,090	6,138	6,133	(5)	43	6,133	96,210	91,741	(4,469)
Little Canada	8,971	9,225	9,337	112	366	9,337	141,724	139,668	(2,056)
Little Falls	7,371	7,595	7,595	0	224	7,595	116,448	113,610	(2,838)
Mahtomedi	5,633	6,353	6,543	190	910	6,543	88,991	97,874	8,883
Mankato	31,412	31,913	31,977	64	565	31,977	496,249	478,330	(17,919)
Maple Grove	38,736	43,542	44,313	771	5,577	44,313	611,954	662,858	50,904
Maplewood	30,954	32,903	33,533	630	2,579	33,533	489,013	501,605	12,592
Marshall	12,023	12,397	12,331	(66)	308	12,331	189,940	184,454	(5,486)

		1990 or Special Census	1994 Population Estimate	1995 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 Estimate & 90 Census	Population used for 1997 Allocation	Allocation if only Census was used	1997 Allocation Using 1990 Census or 95 Estimate	Difference Between Using Census & 95 Estimate
	Municipality									
	Mendota Heights	9,388	10,636	10,757	121	1,369	10,757	\$148,312	\$160,909	\$12,597
***	Minneapolis	368,383	366,480	365,889	(591)	(2,494)	368,383	5,819,739	5,510,477	(309,262)
	Minnetonka	48,370	50,569	50,927	358	2,557	50,927	764,152	761,794	(2,358)
	Montevideo	5,499	5,519	5,505	(14)	6	5,505	86,874	82,347	(4,527)
	Monticello	5,045	5,527	5,885	358	840	5,885	79,701	88,031	8,330
	Moorhead	32,295	33,618	33,675	57	1,380	33,675	510,199	503,729	(6,470)
	Morris	5,613	5,647	5,627	(20)	14	5,627	88,675	84,172	(4,503)
***	Mound	9,634	9,592	9,584	(8)	(50)	9,634	152,199	144,111	(8,088)
	Mounds View	12,541	12,552	12,561	9	20	12,561	198,124	187,894	(10,230)
	New Brighton	22,207	22,328	22,538	210	331	22,538	350,828	337,136	(13,692)
***	New Hope	21,853	21,651	21,646	(5)	(207)	21,853	345,235	326,889	(18,346)
	New Ulm	13,132	13,477	13,628	151	496	13,628	207,460	203,855	(3,605)
****	North Branch	5140	5,140	5,354	214	214	5,354	81,202	80,088	(1,114)
	North Mankato	10,662	11,183	11,340	157	678	11,340	168,439	169,630	1,191
	North St. Paul	12,376	12,809	12,813	4	437	12,813	195,517	191,664	(3,853)
	Northfield	14,684	15,352	15,667	315	983	15,667	231,979	234,356	2,377
****	Oak Grove	5,488	5,997	6,097	100	609	6,097	86,700	91,202	4,502
	Oakdale	18,403	22,933	23,835	902	5,432	23,835	290,732	356,537	65,805
	Orono	7,285	7,444	7,476	32	191	7,476	115,089	111,830	(3,259)
	Otsego	5380	6,017	6,283	266	903	6,283	84,994	93,985	8,991
	Owatonna	19,386	20,280	20,433	153	1,047	20,433	306,261	305,648	(613)
	Plymouth	50,889	57,391	58,960	1,569	8,071	58,960	803,948	881,956	78,008
	Prior Lake	11,482	12,559	13,129	570	1,647	13,129	181,393	196,391	14,998
	Ramsey	12,408	14,907	15,805	898	3,397	15,805	196,022	236,420	40,398
	Red Wing	15,134	15,645	15,701	56	567	15,701	239,088	234,864	(4,224)
***	Redwood Falls	5062		5134	5,134	72	5134	79,970	76,797	(3,173)
***	Richfield	35,710	35,261	35,237	(24)	(473)	35,710	564,149	534,170	(29,979)
***	Robbinsdale	14,396	14,255	14,206	(49)	(190)	14,396	227,429	215,343	(12,086)
	Rochester	70,981	76,865	76,559	(306)	5,578	76,559	1,121,362	1,145,212	23,850
	Rosemount	8,622	11,086	11,721	635	3,099	11,721	136,211	175,329	39,118
	Roseville	33,485	33,674	33,942	268	457	33,942	528,998	507,723	(21,275)
	St. Anthony	7,727	7,939	8,362	423	635	8,362	122,072	125,083	3,011
	St. Cloud	56,954	58,253	58,566	313	1,612	58,566	899,763	876,063	(23,700)
***	St. Louis Park	43,787	43,641	43,568	(73)	(219)	43,787	691,750	654,990	(36,760)
***	St. Michael	6,559		6,559	6,559	0	6,559	103,620	98,113	(5,507)

Municipality	1990 or Special Census	1994 Population Estimate	1995 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 Estimate & 90 Census	Population used for 1997 Allocation	Allocation if only Census was used	1997 Allocation Using 1990 Census or 95 Estimate	Difference Between Using Census & 95 Estimate
*** St. Paul	272,235	271,660	271,120	(540)	(1,115)	272,235	\$4,300,786	\$4,072,242	(\$228,544)
St. Peter	9,481	9,782	9,833	51	352	9,833	149,781	147,087	(2,694)
Sartell	5,661	6,455	7,063	608	1,402	7,063	89,433	105,652	16,219
Sauk Rapids	7,823	8,946	9,216	270	1,393	9,216	123,588	137,858	14,270
Savage	9,906	13,703	14,444	741	4,538	14,444	156,496	216,061	59,565
Shakopee	11,739	13,041	13,752	711	2,013	13,752	185,453	205,710	20,257
Shoreview	24,587	25,957	26,049	92	1,462	26,049	388,427	389,655	1,228
Shorewood	5,913	6,613	6,794	181	881	6,794	93,414	101,628	8,214
South St. Paul	20,197	20,396	20,255	(141)	58	20,255	319,074	302,986	(16,088)
Spring Lake Park	6,532	6,628	6,717	89	185	6,717	103,193	100,477	(2,716)
Stillwater	13,972	15,350	15,739	389	1,767	15,739	220,731	235,433	14,702
Thief River Falls	8,010	8,043	8,053	10	43	8,053	126,543	120,461	(6,082)
Vadnais Heights	11,041	11,968	12,342	374	1,301	12,342	174,426	184,618	10,192
*** Virginia	9,431	9,232	9,173	(59)	(258)	9,431	148,992	141,074	(7,918)
Waite Park	5,453	5,903	5,922	19	469	5,922	86,147	88,585	2,438
*** Waseca	8,385	8,184	8,263	79	(122)	8,385	132,467	125,427	(7,040)
West St. Paul	19,248	19,332	19,421	89	173	19,421	304,081	290,510	(13,571)
White Bear Lake	24,622	25,804	25,849	45	1,227	25,849	388,980	386,664	(2,316)
Willmar	17,531	18,544	18,688	144	1,157	18,688	276,955	279,545	2,590
Winona	26,286	25,805	26,623	818	337	26,623	415,267	398,242	(17,025)
* Woodbury	26,900	28,627	31,258	2,631	4,358	31,258	424,967	467,576	42,609
Worthington	9,977	10,200	10,260	60	283	10,260	157,616	153,476	(4,140)
<b>TOTAL</b>	<b>2,867,695</b>	<b>2,969,988</b>	<b>3,021,628</b>	<b>51,640</b>	<b>153,933</b>	<b>3,028,637</b>	<b>\$45,304,033</b>	<b>\$45,304,033</b>	<b>\$0</b>

\* Took special census after the 1990 census.

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

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

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

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

1997 App. \$45,304,033 Equals \$14.95855495 Per person  
3,028,637

1990 Census \$45,304,033 Equals \$15.79806535 Per person  
2,867,695

## COMPARISON OF THE 1996 TO 1997 POPULATION APPORTIONMENT

Municipality	1996 Population Apportionment	1997 Population Apportionment	Increase (Decrease) Amount	% Increase (Decrease)
Albert Lea	\$279,603	\$273,891	(\$5,712)	(2.0429)
Alexandria	125,805	123,767	(2,038)	(1.6200)
Andover	296,786	306,606	9,820	3.3088
Anoka	266,963	262,268	(4,695)	(1.7587)
Apple Valley	597,507	608,574	11,067	1.8522
Arden Hills	143,720	143,004	(716)	(0.4982)
Austin	336,383	329,911	(6,472)	(1.9240)
Bemidji	175,251	170,857	(4,394)	(2.5073)
Blaine	635,167	632,268	(2,899)	(0.4564)
Bloomington	1,321,672	1,300,078	(21,594)	(1.6338)
Brainerd	190,910	188,164	(2,746)	(1.4384)
Brooklyn Center	440,445	432,108	(8,337)	(1.8929)
Brooklyn Park	891,518	895,000	3,482	0.3906
Buffalo	117,739	119,579	1,840	1.5628
Burnsville	831,353	830,948	(405)	(0.0487)
Cambridge	79,621	79,654	33	0.0414
Champlin	290,154	286,516	(3,638)	(1.2538)
Chanhassen	218,279	227,834	9,555	4.3774
Chaska	209,207	209,420	213	0.1018
Chisholm	80,658	79,131	(1,527)	(1.8932)
Cloquet	168,786	166,937	(1,849)	(1.0955)
Columbia Heights	288,324	282,866	(5,458)	(1.8930)
Coon Rapids	899,447	897,229	(2,218)	(0.2466)
Corcoran	83,981	83,005	(976)	(1.1622)
Cottage Grove	406,719	414,741	8,022	1.9724
Crookston	124,463	121,688	(2,775)	(2.2296)
Crystal	362,700	355,834	(6,866)	(1.8930)
Detroit Lakes	111,320	109,452	(1,868)	(1.6780)
Duluth	1,307,385	1,281,425	(25,960)	(1.9856)
Eagan	837,939	847,866	9,927	1.1847
East Bethel	132,681	134,552	1,871	1.4101
East Grand Forks	136,417	134,373	(2,044)	(1.4983)
Eden Prairie	673,758	692,731	18,973	2.8160
Edina	714,193	700,734	(13,459)	(1.8845)
Elk River	195,332	198,739	3,407	1.7442
Fairmont	173,056	169,630	(3,426)	(1.9797)
Falcon Heights	82,030	80,477	(1,553)	(1.8932)
Faribault	281,951	280,129	(1,822)	(0.6462)
Farmington	104,748	115,301	10,553	10.0747
Fergus Falls	192,054	192,606	552	0.2874

<b>Municipality</b>	<b>1996 Population Apportionment</b>	<b>1997 Population Apportionment</b>	<b>Increase (Decrease) Amount</b>	<b>% Increase (Decrease)</b>
Forest Lake	\$97,536	\$97,799	\$263	0.2696
Fridley	432,029	423,851	(8,178)	(1.8929)
Glencoe	0	77,725	77,725	100.0000
Golden Valley	319,749	313,696	(6,053)	(1.8930)
Grand Rapids	124,463	122,047	(2,416)	(1.9411)
Ham Lake	149,804	153,220	3,416	2.2803
Hastings	247,004	245,201	(1,803)	(0.7299)
Hermantown	110,344	106,101	(4,243)	(3.8452)
Hibbing	275,151	269,942	(5,209)	(1.8931)
Hopkins	252,127	247,908	(4,219)	(1.6734)
Hugo	79,636	79,639	3	0.0038
Hutchinson	185,619	187,057	1,438	0.7747
International Falls	126,567	124,171	(2,396)	(1.8931)
Inver Grove Heights	384,885	389,102	4,217	1.0957
Lake Elmo	92,581	91,965	(616)	(0.6654)
Lakeville	507,335	512,959	5,624	1.1085
Lino Lakes	187,022	195,912	8,890	4.7535
Litchfield	93,587	91,741	(1,846)	(1.9725)
Little Canada	140,655	139,668	(987)	(0.7017)
Little Falls	115,802	113,610	(2,192)	(1.8929)
Mahtomedi	96,865	97,874	1,009	1.0417
Mankato	486,583	478,330	(8,253)	(1.6961)
Maple Grove	663,893	662,858	(1,035)	(0.1559)
Maplewood	501,678	501,605	(73)	(0.0146)
Marshall	189,019	184,454	(4,565)	(2.4151)
Mendota Heights	162,169	160,909	(1,260)	(0.7770)
Minneapolis	5,616,803	5,510,477	(106,326)	(1.8930)
Minnetonka	771,035	761,794	(9,241)	(1.1985)
Montevideo	84,149	82,347	(1,802)	(2.1414)
Monticello	84,271	88,031	3,760	4.4618
Moorhead	512,580	503,729	(8,851)	(1.7268)
Morris	86,101	84,172	(1,929)	(2.2404)
Mound	146,891	144,111	(2,780)	(1.8926)
Mounds View	191,383	187,894	(3,489)	(1.8230)
New Brighton	340,439	337,136	(3,303)	(0.9702)
New Hope	333,197	326,889	(6,308)	(1.8932)
New Ulm	205,486	203,855	(1,631)	(0.7937)
North Branch	78,371	80,088	1,717	2.1909
North Mankato	170,509	169,630	(879)	(0.5155)
North St. Paul	195,301	191,664	(3,637)	(1.8623)



Municipality	1996 Population Apportionment	1997 Population Apportionment	Increase (Decrease) Amount	% Increase (Decrease)
Northfield	\$234,075	\$234,356	\$281	0.1200
Oak Grove	91,437	91,202	(235)	(0.2570)
Oakdale	349,664	356,537	6,873	1.9656
Orono	113,500	111,830	(1,670)	(1.4714)
Otsego	91,742	93,985	2,243	2.4449
Owatonna	309,213	305,648	(3,565)	(1.1529)
Plymouth	875,051	881,956	6,905	0.7891
Prior Lake	191,489	196,391	4,902	2.5599
Ramsey	227,290	236,420	9,130	4.0169
Red Wing	238,542	234,864	(3,678)	(1.5419)
Redwood Falls	0	76,797	76,797	100.0000
Richfield	544,477	534,170	(10,307)	(1.8930)
Robbinsdale	219,498	215,343	(4,155)	(1.8930)
Rochester	1,171,975	1,145,212	(26,763)	(2.2836)
Rosemount	169,030	175,329	6,299	3.7266
Roseville	513,434	507,723	(5,711)	(1.1123)
St. Anthony	121,047	125,083	4,036	3.3342
St. Cloud	888,194	876,063	(12,131)	(1.3658)
St. Louis Park	667,628	654,990	(12,638)	(1.8930)
St. Michael	0	98,113	98,113	100.0000
St. Paul	4,150,817	4,072,242	(78,575)	(1.8930)
St. Peter	149,148	147,087	(2,061)	(1.3818)
Sartell	98,421	105,652	7,231	7.3470
Sauk Rapids	136,401	137,858	1,457	1.0682
Savage	208,932	216,061	7,129	3.4121
Shakopee	198,839	205,710	6,871	3.4556
Shoreview	395,771	389,655	(6,116)	(1.5453)
Shorewood	100,830	101,628	798	0.7914
South St. Paul	310,982	302,986	(7,996)	(2.5712)
Spring Lake Park	101,058	100,477	(581)	(0.5749)
Stillwater	234,044	235,433	1,389	0.5935
Thief River Falls	122,633	120,461	(2,172)	(1.7711)
Vadnais Heights	182,478	184,618	2,140	1.1727
Virginia	143,796	141,074	(2,722)	(1.8930)
Waite Park	90,004	88,585	(1,419)	(1.5766)
Waseca	127,848	125,427	(2,421)	(1.8937)
West St. Paul	294,759	290,510	(4,249)	(1.4415)
White Bear Lake	393,438	386,664	(6,774)	(1.7217)
Willmar	282,743	279,545	(3,198)	(1.1311)
Winona	393,453	398,242	4,789	1.2172
Woodbury	436,480	467,576	31,096	7.1243
Worthington	155,520	153,476	(2,044)	(1.3143)
<b>TOTAL</b>	<b>\$45,370,325</b>	<b>\$45,304,033</b>	<b>(\$66,292)</b>	<b>(0.1461)</b>

## **1997 MSAS CONSTRUCTION NEEDS APPORTIONMENT**

***The 25-year construction needs (money needs) shown in this report are arrived from the "1996 Needs Study Update." Each city's total construction needs are computed from roadway data submitted by that city for their Municipal State Aid Street System. A number of adjustments are made to the actual construction needs as outlined by the Screening Board Resolutions and directed by the Screening Board. The adjusted construction needs are the result of subtracting for the Unencumbered Construction Fund Balance and adding or subtracting for Bond Accounts, adding Non-existing Bridge "After the Fact Needs", and adding Right-of-Way "After the Fact Needs".***

***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.***

***This summary provides specific data and shows the impact of the adjustments to each municipality in establishing the 1997 Construction Needs Apportionment. The adjustments are listed individually in the section labled as adjustments to the 25 year construction needs.***

# 1997 ADJUSTED CONSTRUCTION NEEDS APPORTIONMENT

Needs Value: \$1 in construction needs = approximately \$.0259 in apportionment

The total affect of adjustments includes an amount of \$477,290 for Alexandria and \$254,474 for Andover for segments omitted in the 1995 update.

Municipality	1996 Actual 25-Year Construction Needs	(-) Unencumbered Construction Fund Balance Adjustment	(+ or -) Bond Account Adjustment	(+) Non- Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	Total Affect Of Adjustments	1996 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	(+) TH Turnback Main- tenance Allowance	1997 Construction Needs Apportion- ment	% Of Total Dist.
Albert Lea	\$10,942,271	(\$1,254,257)	--	--	\$6,827	(\$1,247,430)	\$9,694,841	\$251,240	--	\$251,240	0.5546
Alexandria	7,804,096	--	--	--	--	477,290	8,281,386	214,610	--	214,610	0.4737
Andover	15,602,529	(200,484)	\$150,000	--	147,283	351,273	15,953,802	413,440	--	413,440	0.9126
Anoka	6,311,613	(467,469)	(382,235)	--	216,505	(633,199)	5,678,414	147,155	--	147,155	0.3248
Apple Valley	15,623,098	--	1,080,554	--	--	1,080,554	16,703,652	432,872	--	432,872	0.9555
Arden Hills	3,150,481	--	--	--	--	0	3,150,481	81,644	--	81,644	0.1802
Austin	18,155,592	(2,084,615)	--	--	--	(2,084,615)	16,070,977	416,476	--	416,476	0.9193
Barnidji	8,776,118	(645,713)	--	--	220,201	(425,512)	8,350,606	216,404	--	216,404	0.4777
Blaine	19,670,873	(1,682,129)	--	--	292,356	(1,389,773)	18,281,100	473,751	--	473,751	1.0457
Bloomington	64,444,718	(6,517,382)	--	\$2,326,375	5,687,514	1,498,497	65,941,216	1,708,853	--	1,708,853	3.7720
Brainerd	6,543,289	(1,006,077)	--	--	--	(1,006,077)	5,537,212	143,496	--	143,496	0.3167
Brooklyn Center	13,511,620	--	2,455,000	--	2,523,341	4,978,341	18,489,961	479,164	--	479,164	1.0577
Brooklyn Park	21,125,183	(1,441,975)	--	--	234,817	(1,207,158)	19,918,025	516,172	\$21,168	537,340	1.1861
Buffalo	6,599,243	--	--	--	--	0	6,599,243	171,018	--	171,018	0.3775
Burnsville	22,146,704	(213,654)	--	349,684	1,334,446	1,470,476	23,617,180	612,035	--	612,035	1.3510
Cambridge	3,034,000	--	621,142	--	--	621,142	3,655,142	94,722	15,480	110,202	0.2432
Champlin	5,217,069	(572,865)	--	--	123,432	(449,433)	4,767,636	123,552	--	123,552	0.2727
Chanhassen	13,810,606	(490,164)	--	--	65,000	(425,164)	13,385,442	346,881	--	346,881	0.7657
Chaska	9,970,733	--	--	346,355	92,467	438,822	10,409,555	269,762	--	269,762	0.5954
Chisholm	3,493,282	--	--	--	--	0	3,493,282	90,528	1,944	92,472	0.2041
Cloquet	11,371,123	--	675,000	--	22,271	697,271	12,068,394	312,750	12,528	325,278	0.7180
Columbia Heights	8,039,179	(1,441,213)	--	--	133,200	(1,308,013)	6,731,166	174,437	--	174,437	0.3850
Coon Rapids	17,568,402	(1,580,684)	--	--	1,060,488	(520,196)	17,048,206	441,801	--	441,801	0.9752
Corcoran	5,063,425	--	--	--	5,762	5,762	5,069,187	131,367	--	131,367	0.2900
Cottage Grove	16,586,778	(35,023)	35,000	43,731	430,302	474,010	17,060,788	442,127	--	442,127	0.9759
Crookston	11,521,015	(83,830)	--	--	1,050,364	966,534	12,487,549	323,612	--	323,612	0.7143

Municipality	1996 Actual 25 Year Construction Needs	(-) Unencumbered Construction Fund Balance Adjustment	(+ or -) Bond Account Adjustment	(+) Non- Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	Total Affect Of Adjustments	1996 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	(+) TH Turnback Main- tenance Allowance	1997 Construction Needs Apportion- ment	% Of Total Dist.
Crystal	\$12,460,962	(\$744,723)	--	--	\$3,682,636	\$2,937,913	\$15,398,875	\$399,059	--	\$399,059	0.8808
Detroit Lakes	3,853,742	(172,185)	--	--	--	(172,185)	3,681,557	95,407	--	95,407	0.2108
Duluth	66,148,838	(815,341)	--	\$1,054,200	230,314	469,173	66,618,011	1,726,392	\$118,080	1,844,472	4.0713
Eagan	19,319,909	--	\$1,240,000	--	392,508	1,632,508	20,952,417	542,978	--	542,978	1.1985
East Bethel	8,140,106	(504,036)	--	--	17,200	(486,836)	7,653,270	198,333	--	198,333	0.4378
East Grand Forks	5,069,727	(295,302)	--	--	121,700	(173,602)	4,896,125	126,882	--	126,882	0.2801
Eden Prairie	24,378,137	--	(1,348,337)	1,259,493	--	(88,844)	24,289,293	629,452	--	629,452	1.3894
Edina	22,525,319	(2,864,882)	--	938,240	301,459	(1,625,183)	20,900,136	541,623	--	541,623	1.1955
Elk River	12,561,268	--	680,000	--	194,227	874,227	13,435,495	348,178	--	348,178	0.7685
Fairmont	17,921,891	(249,437)	--	--	74,988	(174,449)	17,747,542	459,924	--	459,924	1.0152
Falcon Heights	648,522	(361,677)	(27,988)	--	--	(389,665)	258,857	6,708	--	6,708	0.0148
Faribault	15,085,846	--	--	--	2,346	2,346	15,088,192	391,007	--	391,007	0.8631
Farmington	9,578,626	(857,051)	--	--	83,865	(773,186)	8,805,440	228,191	--	228,191	0.5037
Fergus Falls	11,358,870	--	--	--	67,200	67,200	11,426,070	296,104	43,632	339,736	0.7499
Forest Lake	4,022,355	--	--	--	64,783	64,783	4,087,138	105,917	--	105,917	0.2338
Friday	9,283,184	(1,196,914)	--	--	95,081	(1,101,833)	8,181,331	212,018	--	212,018	0.4680
Glencoe	5,241,495	--	--	--	--	0	5,241,495	135,832	--	135,832	0.2998
Golden Valley	13,554,027	--	--	--	419,693	419,693	13,973,720	362,126	--	362,126	0.7993
Grand Rapids	6,338,901	--	--	--	--	0	6,338,901	164,271	--	164,271	0.3626
Ham Lake	8,136,409	(154,862)	465,000	--	82,445	392,583	8,528,992	221,027	--	221,027	0.4879
Hastings	6,071,583	(293,756)	--	233,038	4,350	(56,368)	6,015,215	155,883	--	155,883	0.3441
Hermantown	5,022,396	(592,508)	--	--	129,858	(462,650)	4,559,746	118,165	--	118,165	0.2608
Hibbing	23,319,052	(1,160,032)	--	--	205,360	(954,672)	22,364,380	579,568	2,016	581,584	1.2837
Hopkins	7,630,466	(858,755)	--	--	--	(858,755)	6,771,711	175,488	--	175,488	0.3874
Hugo	8,294,382	(433,262)	--	--	--	(433,262)	7,861,120	203,719	--	203,719	0.4497
Hutchinson	9,797,180	(830,785)	--	--	175,000	(655,785)	9,141,395	236,897	--	236,897	0.5229
International Falls	4,677,817	(333,390)	--	--	--	(333,390)	4,344,427	112,585	--	112,585	0.2485
Inver Grove Heights	14,188,831	(132,473)	--	--	1,127,132	994,659	15,183,490	393,477	--	393,477	0.8685
Lake Elmo	2,765,527	(244,443)	--	--	100,641	(143,802)	2,621,725	67,941	--	67,941	0.1500
Lakeville	28,084,540	--	--	813,036	476,148	1,289,184	29,373,724	761,214	--	761,214	1.6802
Lino Lakes	9,918,290	(788,133)	--	--	64,950	(723,183)	9,195,107	238,289	336	238,625	0.5267
Litchfield	5,445,901	(485,646)	--	--	--	(485,646)	4,960,255	128,544	--	128,544	0.2837
Little Canada	4,877,453	(302,065)	205,000	--	--	(97,065)	4,780,388	123,883	--	123,883	0.2734
Little Falls	7,194,591	(22,138)	--	--	311,472	289,334	7,393,925	191,612	--	191,612	0.4229

Municipality	1996 Actual 25-Year Construction Needs	(-) Unencumbered Construction Fund Balance Adjustment	(+ or -) Bond Account Adjustment	(+) Non- Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	Total Affect Of Adjustments	1996 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	(+) TH Turnback Main- tenance Allowance	1997 Construction Needs Apportion- ment	% Of Total Dist.
Mahtomedi	\$1,853,531	--	--	--	--	\$0	\$1,853,531	\$48,034	--	\$48,034	0.1060
Mankato	23,696,877	--	--	--	\$433,175	433,175	24,130,052	625,325	--	625,325	1.3803
Maple Grove	23,875,801	(\$275,738)	--	--	1,366,419	1,090,681	24,966,482	647,001	--	647,001	1.4281
Maplewood	12,465,338	(911,859)	--	--	--	(911,859)	11,553,479	299,406	--	299,406	0.6609
Marshall	6,678,548	(1,010,103)	(\$74,504)	--	72,763	(1,011,844)	5,666,704	146,852	--	146,852	0.3241
Mendota Heights	6,135,336	(275,906)	--	--	8,970	(266,936)	5,868,400	152,078	--	152,078	0.3357
Minneapolis	200,108,211	(2,710,875)	--	\$3,119,041	7,844,897	8,253,063	208,361,274	5,399,641	--	5,399,641	11.9187
Minnetonka	25,231,336	--	--	--	71,450	71,450	25,302,786	655,717	--	655,717	1.4474
Montevideo	4,033,649	(428,618)	--	--	--	(428,618)	3,605,031	93,424	--	93,424	0.2062
Monticello	3,235,194	(134,323)	--	--	149,510	15,187	3,250,381	84,233	--	84,233	0.1859
Moorhead	20,430,877	(478,051)	--	--	130,305	(347,746)	20,083,131	520,450	--	520,450	1.1488
Morris	2,618,145	(170,003)	--	--	2,379	(167,624)	2,450,521	63,505	--	63,505	0.1402
Mound	3,945,650	(711,255)	--	--	107,446	(603,809)	3,341,841	86,603	--	86,603	0.1912
Mounds View	5,615,917	(469,636)	--	--	--	(469,636)	5,146,281	133,365	--	133,365	0.2944
New Brighton	7,297,548	--	--	--	--	0	7,297,548	189,115	--	189,115	0.4174
New Hope	9,843,662	(117,880)	--	--	183,000	65,120	9,908,782	256,784	--	256,784	0.5658
New Ulm	8,065,902	(665,569)	--	--	--	(665,569)	7,400,333	191,778	--	191,778	0.4233
North Branch	7,824,809	(103,894)	--	--	--	(103,894)	7,720,915	200,086	--	200,086	0.4417
North Mankato	6,262,139	--	55,000	--	395,146	450,146	6,712,285	173,948	--	173,948	0.3840
North St. Paul	6,286,767	--	--	--	78,068	78,068	6,364,835	164,943	--	164,943	0.3641
Northfield	7,263,870	(794,794)	--	--	8,850	(785,944)	6,477,926	167,874	--	167,874	0.3705
Oak Grove	6,076,307	(216,490)	--	--	29,899	(186,591)	5,889,716	152,631	--	152,631	0.3369
Oakdale	8,510,743	--	1,057,766	--	233,629	1,291,395	9,802,138	254,020	--	254,020	0.5607
Orono	9,431,993	(638,844)	--	--	--	(638,844)	8,793,149	227,873	--	227,873	0.5030
Otsego	8,246,418	(497,475)	--	--	8,900	(488,575)	7,757,843	201,043	--	201,043	0.4438
Owatonna	12,090,094	--	--	--	--	0	12,090,094	313,312	--	313,312	0.6916
Plymouth	27,372,632	(1,413,245)	--	--	192,964	(1,220,281)	26,152,351	677,733	--	677,733	1.4960
Prior Lake	9,406,201	(368,979)	--	--	281,025	(87,954)	9,318,247	241,481	--	241,481	0.5330
Ramsey	11,309,434	(244,621)	100,000	--	180,075	35,454	11,344,888	294,001	--	294,001	0.6490
Red Wing	16,000,434	(223,513)	--	991,307	62,176	828,970	16,830,404	436,157	--	436,157	0.9627
Redwood Falls	4,798,118	--	--	--	--	0	4,798,118	124,342	--	124,342	0.2745
Richfield	15,973,800	(2,574,877)	--	--	2,997,333	422,456	16,396,256	424,806	--	424,806	0.9379
Robbinsdale	5,826,811	(603,796)	--	--	--	(603,796)	5,223,015	135,353	--	135,353	0.2988
Rochester	37,595,832	(282,842)	--	--	3,616,427	3,333,585	40,839,417	1,058,345	--	1,058,345	2.3361



Municipality	1996 Actual 25-Year Construction Needs	(-) Unencumbered Construction Fund Balance Adjustment	(+ or -) Bond Account Adjustment	(+) Non- Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	Total Affect Of Adjustments	1996 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	(+) TH Turnback Main- tenance Allowance	1997 Construction Needs Apportion- ment	% Of Total Dist.
Rosemount	\$13,230,904	--	(\$65,000)	--	--	(\$65,000)	\$13,165,904	\$341,192	--	\$341,192	0.7531
Roseville	12,642,427	(\$1,415,313)	1,265,000	\$2,814,714	\$1,660,726	4,325,127	16,967,554	439,711	--	439,711	0.9706
St. Anthony	3,488,180	(422,008)	--	--	--	(422,008)	3,066,172	79,459	--	79,459	0.1754
St. Cloud	29,679,784	--	1,455,000	--	1,223,492	2,678,492	32,358,276	838,558	\$6,784	845,342	1.8703
St. Louis Park	15,640,962	--	--	--	302,905	302,905	15,943,867	413,182	--	413,182	0.9120
St. Michael	7,761,717	--	--	--	--	0	7,761,717	201,143	--	201,143	0.4440
St. Paul	150,107,887	(4,028,226)	--	320,857	3,788,466	81,097	150,188,984	3,892,118	--	3,892,118	8.5911
St. Peter	7,129,662	(800,653)	--	--	26,182	(774,471)	6,355,191	164,694	--	164,694	0.3635
Sartell	4,842,178	(136,251)	--	--	--	(136,251)	4,705,927	121,953	--	121,953	0.2692
Sauk Rapids	4,635,374	(150,629)	--	--	3,944	(146,685)	4,488,689	116,323	--	116,323	0.2568
Savage	12,130,143	--	250,000	--	--	250,000	12,380,143	320,829	--	320,829	0.7082
Shakopee	10,502,913	--	--	--	--	0	10,502,913	272,181	--	272,181	0.6008
Shoreview	4,228,457	--	--	--	--	0	4,228,457	109,580	--	109,580	0.2419
Shorewood	6,000,734	(1,085,084)	--	--	--	(1,085,084)	4,915,650	127,388	--	127,388	0.2812
South St. Paul	7,611,696	(1,611,071)	--	--	--	(1,611,071)	6,000,625	155,505	--	155,505	0.3432
Spring Lake Park	1,383,763	--	--	--	129,350	129,350	1,513,103	39,212	--	39,212	0.0886
Stillwater	6,560,965	(613,394)	--	--	--	(613,394)	5,947,571	154,130	--	154,130	0.3402
Thief River Falls	11,372,275	(312,041)	--	--	68,234	(243,807)	11,128,468	288,418	--	288,418	0.6366
Vadnais Heights	1,864,608	--	--	--	--	0	1,864,608	48,321	--	48,321	0.1067
Virginia	6,509,239	(112,920)	--	--	--	(112,920)	6,396,319	165,759	9,870	175,629	0.3877
Waite Park	4,353,372	--	--	--	28,764	28,764	4,382,136	113,562	--	113,562	0.2507
Waseca	3,225,973	--	--	--	5,000	5,000	3,230,973	83,730	--	83,730	0.1848
West St. Paul	5,860,639	(189,091)	--	--	--	(189,091)	5,671,548	146,977	--	146,977	0.3244
White Bear Lake	11,072,818	--	--	--	279,823	279,823	11,352,641	294,201	--	294,201	0.6494
Willmar	11,794,956	(331,754)	--	--	152,500	(179,254)	11,615,702	301,020	4,392	305,412	0.6741
Winona	11,969,007	(9,324)	--	--	--	(9,324)	11,959,683	309,934	--	309,934	0.6841
Woodbury	27,048,868	--	3,870,854	1,410,197	280,615	5,561,666	32,610,534	845,096	--	845,096	1.8654
Worthington	6,096,580	(1,041,223)	--	--	28,842	(1,014,381)	5,082,199	131,705	--	131,705	0.2907
STATE TOTAL	\$1,722,973,258	(\$62,993,508)	\$13,762,252	\$16,020,268	\$48,504,581	\$16,025,357	\$1,738,998,615	\$45,065,803	\$238,230	\$45,304,033	100.0000

Construction Needs Apportionment = \$45,065,803 / \$1,738,998,615 = 0.025914801  
x City's Adjusted Construction Needs + TH Turnback Maintenance Adjustment



# COMPARISON OF 1996 TO 1997 CONSTRUCTION NEEDS APPORTIONMENT

Municipality	1996 Construction Needs Apportionment	1997 Construction Needs Apportionment	Increase (Decrease) Amount	% Increase (Decrease)
Albert Lea	\$258,258	\$251,240	(\$7,018)	(2.7174)
Alexandria	172,030	214,610	42,580	24.7515
Andover	342,512	413,440	70,928	20.7082
Anoka	151,713	147,155	(4,558)	(3.0044)
Apple Valley	497,027	432,872	(64,155)	(12.9077)
Arden Hills	94,573	81,644	(12,929)	(13.6709)
Austin	473,483	416,476	(57,007)	(12.0399)
Bemidji	233,934	216,404	(17,530)	(7.4936)
Blaine	475,149	473,751	(1,398)	(0.2942)
Bloomington	1,846,333	1,708,853	(137,480)	(7.4461)
Brainerd	138,858	143,496	4,638	3.3401
Brooklyn Center	447,017	479,164	32,147	7.1914
Brooklyn Park	514,112	537,340	23,228	4.5181
Buffalo	150,167	171,018	20,851	13.8852
Burnsville	563,200	612,035	48,835	8.6710
Cambridge	110,745	110,202	(543)	(0.4903)
Champlin	153,569	123,552	(30,017)	(19.5463)
Chanhassen	349,350	346,881	(2,469)	(0.7067)
Chaska	288,746	269,762	(18,984)	(6.5746)
Chisholm	96,932	92,472	(4,460)	(4.6012)
Cloquet	352,034	325,278	(26,756)	(7.6004)
Columbia Heights	162,166	174,437	12,271	7.5669
Coon Rapids	456,083	441,801	(14,282)	(3.1314)
Corcoran	170,331	131,367	(38,964)	(22.8755)
Cottage Grove	490,624	442,127	(48,497)	(9.8848)
Crookston	346,607	323,612	(22,995)	(6.6343)
Crystal	417,116	399,059	(18,057)	(4.3290)
Detroit Lakes	109,327	95,407	(13,920)	(12.7324)
Duluth	1,775,393	1,844,472	69,079	3.8909
Eagan	641,451	542,978	(98,473)	(15.3516)
East Bethel	196,865	198,333	1,468	0.7457
East Grand Forks	124,078	126,882	2,804	2.2599
Eden Prairie	678,352	629,452	(48,900)	(7.2086)
Edina	477,909	541,623	63,714	13.3318
Elk River	425,150	348,178	(76,972)	(18.1047)
Fairmont	485,439	459,924	(25,515)	(5.2561)
Falcon Heights	8,471	6,708	(1,763)	(20.8122)
Faribault	414,706	391,007	(23,699)	(5.7147)
Farmington	195,248	228,191	32,943	16.8724
Fergus Falls	269,321	339,736	70,415	26.1454

Municipality	1996 Construction Needs Apportionment	1997 Construction Needs Apportionment	Increase (Decrease) Amount	% Increase (Decrease)
Forest Lake	\$72,923	\$105,917	\$32,994	45.2450
Fridley	216,634	212,018	(4,616)	(2.1308)
Glencoe	0	135,832	135,832	100.0000
Golden Valley	373,915	362,126	(11,789)	(3.1529)
Grand Rapids	180,261	164,271	(15,990)	(8.8705)
Ham Lake	236,782	221,027	(15,755)	(6.6538)
Hastings	175,652	155,883	(19,769)	(11.2546)
Hermantown	111,587	118,165	6,578	5.8950
Hibbing	627,438	581,584	(45,854)	(7.3081)
Hopkins	183,013	175,488	(7,525)	(4.1117)
Hugo	214,164	203,719	(10,445)	(4.8771)
Hutchinson	160,354	236,897	76,543	47.7338
International Falls	119,578	112,585	(6,993)	(5.8481)
Inver Grove Heights	266,562	393,477	126,915	47.6118
Lake Elmo	73,104	67,941	(5,163)	(7.0625)
Lakeville	812,617	761,214	(51,403)	(6.3256)
Lino Lakes	224,256	238,625	14,369	6.4074
Litchfield	125,048	128,544	3,496	2.7957
Little Canada	127,966	123,883	(4,083)	(3.1907)
Little Falls	191,526	191,612	86	0.0449
Mahtomedi	48,488	48,034	(454)	(0.9363)
Mankato	658,249	625,325	(32,924)	(5.0018)
Maple Grove	724,528	647,001	(77,527)	(10.7003)
Maplewood	305,003	299,406	(5,597)	(1.8351)
Marshall	159,706	146,852	(12,854)	(8.0485)
Mendota Heights	128,696	152,078	23,382	18.1684
Minneapolis	5,606,468	5,399,641	(206,827)	(3.6891)
Minnetonka	726,363	655,717	(70,646)	(9.7260)
Montevideo	108,625	93,424	(15,201)	(13.9940)
Monticello	94,827	84,233	(10,594)	(11.1719)
Moorhead	529,999	520,450	(9,549)	(1.8017)
Morris	69,814	63,505	(6,309)	(9.0369)
Mound	79,259	86,603	7,344	9.2658
Mounds View	102,951	133,365	30,414	29.5422
New Brighton	179,764	189,115	9,351	5.2018
New Hope	248,554	256,784	8,230	3.3112
New Ulm	206,812	191,778	(15,034)	(7.2694)
North Branch	212,333	200,086	(12,247)	(5.7678)
North Mankato	191,347	173,948	(17,399)	(9.0929)
North St. Paul	98,974	164,943	65,969	66.6529

Municipality	1996 Construction Needs Apportionment	1997 Construction Needs Apportionment	Increase (Decrease) Amount	% Increase (Decrease)
Northfield	\$190,116	\$167,874	(\$22,242)	(11.6992)
Oak Grove	194,005	152,631	(41,374)	(21.3263)
Oakdale	273,036	254,020	(19,016)	(6.9646)
Orono	228,172	227,873	(299)	(0.1310)
Otsego	214,243	201,043	(13,200)	(6.1612)
Owatonna	348,980	313,312	(35,668)	(10.2206)
Plymouth	605,663	677,733	72,070	11.8994
Prior Lake	211,486	241,481	29,995	14.1830
Ramsey	288,257	294,001	5,744	1.9927
Red Wing	418,807	436,157	17,350	4.1427
Redwood Falls	0	124,342	124,342	100.0000
Richfield	428,319	424,906	(3,413)	(0.7968)
Robbinsdale	128,619	135,353	6,734	5.2356
Rochester	1,005,188	1,058,345	53,157	5.2883
Rosemount	348,455	341,192	(7,263)	(2.0843)
Roseville	368,616	439,711	71,095	19.2870
St. Anthony	84,420	79,459	(4,961)	(5.8766)
St. Cloud	649,192	847,342	198,150	30.5226
St. Louis Park	444,814	413,182	(31,632)	(7.1113)
St. Michael	0	201,143	201,143	100.0000
St. Paul	4,227,825	3,892,118	(335,707)	(7.9404)
St. Peter	174,837	164,694	(10,143)	(5.8014)
Sartell	89,623	121,953	32,330	36.0733
Sauk Rapids	132,113	116,323	(15,790)	(11.9519)
Savage	370,259	320,829	(49,430)	(13.3501)
Shakopee	208,339	272,181	63,842	30.6433
Shoreview	80,983	109,580	28,597	35.3123
Shorewood	137,253	127,388	(9,865)	(7.1875)
South St. Paul	157,304	155,505	(1,799)	(1.1436)
Spring Lake Park	55,141	39,212	(15,929)	(28.8878)
Stillwater	154,922	154,130	(792)	(0.5112)
Thief River Falls	282,191	288,418	6,227	2.2067
Vadnais Heights	62,005	48,321	(13,684)	(22.0692)
Virginia	198,227	175,629	(22,598)	(11.4001)
Waite Park	76,558	113,562	37,004	48.3346
Waseca	85,075	83,730	(1,345)	(1.5810)
West St. Paul	148,055	146,977	(1,078)	(0.7281)
White Bear Lake	259,248	294,201	34,953	13.4825
Willmar	293,881	305,412	11,531	3.9237
Winona	274,755	309,934	35,179	12.8038
Woodbury	802,843	845,096	42,253	5.2629
Worthington	139,981	131,705	(8,276)	(5.9122)
<b>TOTAL</b>	<b>\$45,370,325</b>	<b>\$45,304,033</b>	<b>(\$66,292)</b>	<b>(0.1461)</b>

## 1997 M.S.A.S. TOTAL APPORTIONMENT

Municipalities	Population Apportion- ment	Construction Needs Apportion- ment	1997 Total Apportion- ment	Percentage of Total Distribution
Albert Lea	\$273,891	\$251,240	\$525,131	0.5796
Alexandria	123,767	214,610	338,377	0.3735
Andover	306,606	413,440	720,046	0.7947
Anoka	262,268	147,155	409,423	0.4519
Apple Valley	608,574	432,872	1,041,446	1.1494
Arden Hills	143,004	81,644	224,648	0.2479
Austin	329,911	416,476	746,387	0.8238
Bemidji	170,857	216,404	387,261	0.4274
Blaine	632,268	473,751	1,106,019	1.2207
Bloomington	1,300,078	1,708,853	3,008,931	3.3208
Brainerd	188,164	143,496	331,660	0.3660
Brooklyn Center	432,108	479,164	911,272	1.0057
Brooklyn Park	895,000	537,340	1,432,340	1.5808
Buffalo	119,579	171,018	290,597	0.3207
Burnsville	830,948	612,035	1,442,983	1.5926
Cambridge	79,654	110,202	189,856	0.2095
Champlin	286,516	123,552	410,068	0.4526
Chanhassen	227,834	346,881	574,715	0.6343
Chaska	209,420	269,762	479,182	0.5289
Chisholm	79,131	92,472	171,603	0.1894
Cloquet	166,937	325,278	492,215	0.5432
Columbia Heights	282,866	174,437	457,303	0.5047
Coon Rapids	897,229	441,801	1,339,030	1.4778
Corcoran	83,005	131,367	214,372	0.2366
Cottage Grove	414,741	442,127	856,868	0.9457
Crookston	121,688	323,612	445,300	0.4915
Crystal	355,834	399,059	754,893	0.8331
Detroit Lakes	109,452	95,407	204,859	0.2261
Duluth	1,281,425	1,844,472	3,125,897	3.4499
Eagan	847,866	542,978	1,390,844	1.5350
East Bethel	134,552	198,333	332,885	0.3674
East Grand Forks	134,373	126,882	261,255	0.2883
Eden Prairie	692,731	629,452	1,322,183	1.4592
Edina	700,734	541,623	1,242,357	1.3711
Elk River	198,739	348,178	546,917	0.6036
Fairmont	169,630	459,924	629,554	0.6948
Falcon Heights	80,477	6,708	87,185	0.0962
Faribault	280,129	391,007	671,136	0.7407
Farmington	115,301	228,191	343,492	0.3791
Fergus Falls	192,606	339,736	532,342	0.5875

<b>Municipalities</b>	<b>Population Apportion- ment</b>	<b>Construction Needs Apportion- ment</b>	<b>1997 Total Apportion- ment</b>	<b>Percentage of Total Distribution</b>
Forest Lake	\$97,799	\$105,917	\$203,716	0.2248
Fridley	423,851	212,018	635,869	0.7018
Glencoe	77,725	135,832	213,557	0.2357
Golden Valley	313,696	362,126	675,822	0.7459
Grand Rapids	122,047	164,271	286,318	0.3160
Ham Lake	153,220	221,027	374,247	0.4130
Hastings	245,201	155,883	401,084	0.4427
Hermantown	106,101	118,165	224,266	0.2475
Hibbing	269,942	581,584	851,526	0.9398
Hopkins	247,908	175,488	423,396	0.4673
Hugo	79,639	203,719	283,358	0.3127
Hutchinson	187,057	236,897	423,954	0.4679
International Falls	124,171	112,585	236,756	0.2613
Inver Grove Heights	389,102	393,477	782,579	0.8637
Lake Elmo	91,965	67,941	159,906	0.1765
Lakeville	512,959	761,214	1,274,173	1.4062
Lino Lakes	195,912	238,625	434,537	0.4796
Litchfield	91,741	128,544	220,285	0.2431
Little Canada	139,668	123,883	263,551	0.2909
Little Falls	113,610	191,612	305,222	0.3369
Mahtomedi	97,874	48,034	145,908	0.1610
Mankato	478,330	625,325	1,103,655	1.2181
Maple Grove	662,858	647,001	1,309,859	1.4456
Maplewood	501,605	299,406	801,011	0.8840
Marshall	184,454	146,852	331,306	0.3656
Mendota Heights	160,909	152,078	312,987	0.3454
Minneapolis	5,510,477	5,399,641	10,910,118	12.0410
Minnetonka	761,794	655,717	1,417,511	1.5644
Montevideo	82,347	93,424	175,771	0.1940
Monticello	88,031	84,233	172,264	0.1901
Moorhead	503,729	520,450	1,024,179	1.1303
Morris	84,172	63,505	147,677	0.1630
Mound	144,111	86,603	230,714	0.2546
Mounds View	187,894	133,365	321,259	0.3546
New Brighton	337,136	189,115	526,251	0.5808
New Hope	326,889	256,784	583,673	0.6442
New Ulm	203,855	191,778	395,633	0.4366
North Branch	80,088	200,086	280,174	0.3092
North Mankato	169,630	173,948	343,578	0.3792
North St. Paul	191,664	164,943	356,607	0.3936

<b>Municipalities</b>	<b>Population Apportion- ment</b>	<b>Construction Needs Apportion- ment</b>	<b>1997 Total Apportion- ment</b>	<b>Percentage of Total Distribution</b>
Northfield	\$234,356	\$167,874	\$402,230	0.4439
Oak Grove	91,202	152,631	243,833	0.2691
Oakdale	356,537	254,020	610,557	0.6738
Orono	111,830	227,873	339,703	0.3749
Otsego	93,985	201,043	295,028	0.3256
Owatonna	305,648	313,312	618,960	0.6831
Plymouth	881,956	677,733	1,559,689	1.7214
Prior Lake	196,391	241,481	437,872	0.4833
Ramsey	236,420	294,001	530,421	0.5854
Red Wing	234,864	436,157	671,021	0.7406
Redwood Falls	76,797	124,342	201,139	0.2220
Richfield	534,170	424,906	959,076	1.0585
Robbinsdale	215,343	135,353	350,696	0.3870
Rochester	1,145,212	1,058,345	2,203,557	2.4320
Rosemount	175,329	341,192	516,521	0.5701
Roseville	507,723	439,711	947,434	1.0456
St. Anthony	125,083	79,459	204,542	0.2257
St. Cloud	876,063	847,342	1,723,405	1.9020
St. Louis Park	654,990	413,182	1,068,172	1.1789
St. Michael	98,113	201,143	299,256	0.3303
St. Paul	4,072,242	3,892,118	7,964,360	8.7899
St. Peter	147,087	164,694	311,781	0.3441
Sartell	105,652	121,953	227,605	0.2512
Sauk Rapids	137,858	116,323	254,181	0.2805
Savage	216,061	320,829	536,890	0.5925
Shakopee	205,710	272,181	477,891	0.5274
Shoreview	389,655	109,580	499,235	0.5510
Shorewood	101,628	127,388	229,016	0.2528
South St. Paul	302,986	155,505	458,491	0.5060
Spring Lake Park	100,477	39,212	139,689	0.1542
Stillwater	235,433	154,130	389,563	0.4299
Thief River Falls	120,461	288,418	408,879	0.4513
Vadnais Heights	184,618	48,321	232,939	0.2571
Virginia	141,074	175,629	316,703	0.3495
Waite Park	88,585	113,562	202,147	0.2231
Waseca	125,427	83,730	209,157	0.2308
West St. Paul	290,510	146,977	437,487	0.4828
White Bear Lake	386,664	294,201	680,865	0.7514
Willmar	279,545	305,412	584,957	0.6456
Winona	398,242	309,934	708,176	0.7816
Woodbury	467,576	845,096	1,312,672	1.4487
Worthington	153,476	131,705	285,181	0.3147
<b>TOTAL</b>	<b>\$45,304,033</b>	<b>\$45,304,033</b>	<b>\$90,608,066</b>	<b>100.0000</b>

## COMPARISON OF THE 1996 TO 1997 TOTAL APPORTIONMENT

Municipality	1996 Total Apportionment	1997 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Albert Lea	\$537,861	\$525,131	(\$12,730)	(2.3668)
Alexandria	297,835	338,377	40,542	13.6122
Andover	639,298	720,046	80,748	12.6307
Anoka	418,676	409,423	(9,253)	(2.2101)
Apple Valley	1,094,534	1,041,446	(53,088)	(4.8503)
Arden Hills	238,293	224,648	(13,645)	(5.7261)
Austin	809,866	746,387	(63,479)	(7.8382)
Bemidji	409,185	387,261	(21,924)	(5.3580)
Blaine	1,110,316	1,106,019	(4,297)	(0.3870)
Bloomington	3,168,005	3,008,931	(159,074)	(5.0213)
Brainerd	329,768	331,660	1,892	0.5737
Brooklyn Center	887,462	911,272	23,810	2.6829
Brooklyn Park	1,405,630	1,432,340	26,710	1.9002
Buffalo	267,906	290,597	22,691	8.4698
Burnsville	1,394,553	1,442,983	48,430	3.4728
Cambridge	190,366	189,856	(510)	(0.2679)
Champlin	443,723	410,068	(33,655)	(7.5847)
Chanhassen	567,629	574,715	7,086	1.2484
Chaska	497,953	479,182	(18,771)	(3.7696)
Chisholm	177,590	171,603	(5,987)	(3.3712)
Cloquet	520,820	492,215	(28,605)	(5.4923)
Columbia Heights	450,490	457,303	6,813	1.5124
Coon Rapids	1,355,530	1,339,030	(16,500)	(1.2172)
Corcoran	254,312	214,372	(39,940)	(15.7051)
Cottage Grove	897,343	856,868	(40,475)	(4.5105)
Crookston	471,070	445,300	(25,770)	(5.4705)
Crystal	779,816	754,893	(24,923)	(3.1960)
Detroit Lakes	220,647	204,859	(15,788)	(7.1553)
Duluth	3,082,778	3,125,897	43,119	1.3987
Eagan	1,479,390	1,390,844	(88,546)	(5.9853)
East Bethel	329,546	332,885	3,339	1.0132
East Grand Forks	260,495	261,255	760	0.2918
Eden Prairie	1,352,110	1,322,183	(29,927)	(2.2134)
Edina	1,192,102	1,242,357	50,255	4.2157
Elk River	620,482	546,917	(73,565)	(11.8561)
Fairmont	658,495	629,554	(28,941)	(4.3950)
Falcon Heights	90,501	87,185	(3,316)	(3.6640)
Faribault	696,657	671,136	(25,521)	(3.6634)
Farmington	299,996	343,492	43,496	14.4989
Fergus Falls	461,375	532,342	70,967	15.3816

Municipality	1996 Total Apportionment	1997 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Forest Lake	\$170,459	\$203,716	\$33,257	19.5103
Fridley	648,663	635,869	(12,794)	(1.9724)
Glencoe	0	213,557	213,557	100.0000
Golden Valley	693,664	675,822	(17,842)	(2.5721)
Grand Rapids	304,724	286,318	(18,406)	(6.0402)
Ham Lake	386,586	374,247	(12,339)	(3.1918)
Hastings	422,656	401,084	(21,572)	(5.1039)
Hermantown	221,931	224,266	2,335	1.0521
Hibbing	902,589	851,526	(51,063)	(5.6574)
Hopkins	435,140	423,396	(11,744)	(2.6989)
Hugo	293,800	283,358	(10,442)	(3.5541)
Hutchinson	345,973	423,954	77,981	22.5396
International Falls	246,145	236,756	(9,389)	(3.8144)
Inver Grove Heights	651,447	782,579	131,132	20.1293
Lake Elmo	165,685	159,906	(5,779)	(3.4879)
Lakeville	1,319,952	1,274,173	(45,779)	(3.4682)
Lino Lakes	411,278	434,537	23,259	5.6553
Litchfield	218,635	220,285	1,650	0.7547
Little Canada	268,621	263,551	(5,070)	(1.8874)
Little Falls	307,328	305,222	(2,106)	(0.6853)
Mahtomedi	145,353	145,908	555	0.3818
Mankato	1,144,832	1,103,655	(41,177)	(3.5968)
Maple Grove	1,388,421	1,309,859	(78,562)	(5.6584)
Maplewood	806,681	801,011	(5,670)	(0.7029)
Marshall	348,725	331,306	(17,419)	(4.9951)
Mendota Heights	290,865	312,987	22,122	7.6056
Minneapolis	11,223,271	10,910,118	(313,153)	(2.7902)
Minnetonka	1,497,398	1,417,511	(79,887)	(5.3351)
Montevideo	192,774	175,771	(17,003)	(8.8202)
Monticello	179,098	172,264	(6,834)	(3.8158)
Moorhead	1,042,579	1,024,179	(18,400)	(1.7649)
Morris	155,915	147,677	(8,238)	(5.2836)
Mound	226,150	230,714	4,564	2.0181
Mounds View	294,334	321,259	26,925	9.1478
New Brighton	520,203	526,251	6,048	1.1626
New Hope	581,751	583,673	1,922	0.3304
New Ulm	412,298	395,633	(16,665)	(4.0420)
North Branch	290,704	280,174	(10,530)	(3.6222)
North Mankato	361,856	343,578	(18,278)	(5.0512)
North St. Paul	294,275	356,607	62,332	21.1815



Municipality	1996 Total Apportionment	1997 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Northfield	\$424,191	\$402,230	(\$21,961)	(5.1771)
Oak Grove	285,442	243,833	(41,609)	(14.5770)
Oakdale	622,700	610,557	(12,143)	(1.9501)
Orono	341,672	339,703	(1,969)	(0.5763)
Otsego	305,985	295,028	(10,957)	(3.5809)
Owatonna	658,193	618,960	(39,233)	(5.9607)
Plymouth	1,480,714	1,559,689	78,975	5.3336
Prior Lake	402,975	437,872	34,897	8.6598
Ramsey	515,547	530,421	14,874	2.8851
Red Wing	657,349	671,021	13,672	2.0799
Redwood Falls	0	201,139	201,139	100.0000
Richfield	972,796	959,076	(13,720)	(1.4104)
Robbinsdale	348,117	350,696	2,579	0.7408
Rochester	2,177,163	2,203,557	26,394	1.2123
Rosemount	517,485	516,521	(964)	(0.1863)
Roseville	882,050	947,434	65,384	7.4127
St. Anthony	205,467	204,542	(925)	(0.4502)
St. Cloud	1,537,386	1,723,405	186,019	12.0997
St. Louis Park	1,112,442	1,068,172	(44,270)	(3.9795)
St. Michael	0	299,256	299,256	100.0000
St. Paul	8,378,642	7,964,360	(414,282)	(4.9445)
St. Peter	323,985	311,781	(12,204)	(3.7668)
Sartell	188,044	227,605	39,561	21.0382
Sauk Rapids	268,514	254,181	(14,333)	(5.3379)
Savage	579,191	536,890	(42,301)	(7.3035)
Shakopee	407,178	477,891	70,713	17.3666
Shoreview	476,754	499,235	22,481	4.7154
Shorewood	238,083	229,016	(9,067)	(3.8083)
South St. Paul	468,286	458,491	(9,795)	(2.0917)
Spring Lake Park	156,199	139,689	(16,510)	(10.5698)
Stillwater	388,966	389,563	597	0.1535
Thief River Falls	404,824	408,879	4,055	1.0017
Vadnais Heights	244,483	232,939	(11,544)	(4.7218)
Virginia	342,023	316,703	(25,320)	(7.4030)
Waite Park	166,562	202,147	35,585	21.3644
Waseca	212,923	209,157	(3,766)	(1.7687)
West St. Paul	442,814	437,487	(5,327)	(1.2030)
White Bear Lake	652,686	680,865	28,179	4.3174
Willmar	576,624	584,957	8,333	1.4451
Winona	668,208	708,176	39,968	5.9814
Woodbury	1,239,323	1,312,672	73,349	5.9185
Worthington	295,501	285,181	(10,320)	(3.4924)
<b>TOTAL</b>	<b>\$90,740,650</b>	<b>\$90,608,066</b>	<b>(\$132,584)</b>	<b>(0.1461)</b>

# 1997 CONSTRUCTION AND MAINTENANCE ALLOTMENTS

Upon determining that \$90,608,066 is available to the Municipal State Aid Street Fund the following allotments are made in accordance with the Rules and Regulations for the State Aid Operation. Maintenance allotment without a notation is the minimum amount allocated at \$1500 per improved mile. General maintenance percentage requested was applied to the result of the total apportionment minus turnback maintenance allowance. Bond interest due was added to the city's minimum maintenance allocation unless a resolution was obtained by State Aid to use local funds for the interest. Principal payments due on bonds in 1997 are included in the construction allotments.

MUNICIPALITY	TOTAL APPORTIONMENT	TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE	AMOUNT OF BOND INTEREST APPLIED TO MAINTENANCE	GENERAL MAINTENANCE ALLOCATION	TOTAL MAINTENANCE ALLOCATION	CONSTRUCTION ALLOCATION
Albert Lea	\$525,131			\$131,283	\$131,283 *	\$393,848
Alexandria	338,377			84,594	84,594 *	253,783
Andover	720,046		\$5,088	216,014	221,102 ***	498,944
Anoka	409,423			102,356	102,356 *	307,067
Apple Valley	1,041,446		107,070	38,190	145,260 ###	896,186
Arden Hills	224,648			56,162	56,162 *	168,486
Austin	746,387			39,900	39,900	706,487
Bemidji	387,261			96,815	96,815 *	290,446
Blaine	1,106,019			276,505	276,505 *	829,514
Bloomington	3,008,931			1,053,126	1,053,126 **	1,955,805
Brainerd	331,660			82,915	82,915 *	248,745
Brooklyn Center	911,272		138,588	90,000	228,588 #	682,684
Brooklyn Park	1,432,340	\$21,168		352,793	373,961 *	1,058,379
Buffalo	290,597			12,300	12,300	278,297
Burnsville	1,442,983			360,746	360,746 *	1,082,237
Cambridge	189,856	15,480	35,180	43,594	94,254 ##	95,602
Champlin	410,068			102,517	102,517 *	307,551
Chanhassen	574,715			22,995	22,995	551,720
Chaska	479,182			18,945	18,945	460,237
Chisholm	171,603	1,944		42,415	44,359 *	127,244
Cloquet	492,215	12,528	24,863	143,027	180,418 **	311,797
Columbia Heights	457,303			160,056	160,056 **	297,247
Coon Rapids	1,339,030			53,835	53,835	1,285,195
Corcoran	214,372			75,030	75,030 **	139,342
Cottage Grove	856,868			40,140	40,140	816,728

MUNICIPALITY	TOTAL APPORTION- MENT	TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE	AMOUNT OF BOND INTEREST APPLIED TO MAINTENANCE	GENERAL MAINTENANCE ALLOCATION	TOTAL MAINTENANCE ALLOCATION	CONSTRUCTION ALLOCATION
Crookston	\$445,300			\$50,000	\$50,000 #	\$395,300
Crystal	754,893			188,723	188,723 *	566,170
Detroit Lakes	204,859			14,310	14,310	190,549
Duluth	3,125,897	\$118,080		902,345	1,020,425 ***	2,105,472
Eagan	1,390,844		\$60,719	59,730	120,449 ###	1,270,395
East Bethel	332,885			32,085	32,085	300,800
East Grand Forks	261,255			65,314	65,314 *	195,941
Eden Prairie	1,322,183		25,610	58,905	84,515 ###	1,237,668
Edina	1,242,357			310,589	310,589 *	931,768
Elk River	546,917		21,888	27,390	49,278 ###	497,639
Fairmont	629,554			27,825	27,825	601,729
Falcon Heights	87,185			30,515	30,515 **	56,670
Faribault	671,136			167,784	167,784 *	503,352
Farmington	343,492			10,000	10,000 #	333,492
Fergus Falls	532,342	43,632		122,178	165,810 *	366,532
Forest Lake	203,716			7,680	7,680	196,036
Fridley	635,869			190,761	190,761 ***	445,108
Glencoe	213,557			9,255	9,255	204,302
Golden Valley	675,822			168,956	168,956 *	506,866
Grand Rapids	286,318			71,580	71,580 *	214,738
Ham Lake	374,247		18,808	32,010	50,818 ###	323,429
Hastings	401,084			100,271	100,271 *	300,813
Hermantown	224,266			40,000	40,000 #	184,266
Hibbing	851,526	2,016		212,378	214,394 *	637,132
Hopkins	423,396			14,010	14,010	409,386
Hugo	283,358			70,840	70,840 *	212,518
Hutchinson	423,954			20,970	20,970	402,984
International Falls	236,756			12,090	12,090	224,666
Inver Grove Heights	782,579			195,645	195,645 *	586,934
Lake Elmo	159,906			14,295	14,295	145,611
Lakeville	1,274,173			57,540	57,540	1,216,633
Lino Lakes	434,537	336		108,550	108,886 *	325,651
Litchfield	220,285			55,071	55,071 *	165,214
Little Canada	263,551		6,290	65,888	72,178 ##	191,373
Little Falls	305,222			20,340	20,340	284,882

MUNICIPALITY	TOTAL APPORTION- MENT	TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE	AMOUNT OF BOND INTEREST APPLIED TO MAINTENANCE	GENERAL MAINTENANCE ALLOCATION	TOTAL MAINTENANCE ALLOCATION	CONSTRUCTION ALLOCATION
Mahtomedi	\$145,908			\$5,925	\$5,925	\$139,983
Mankato	1,103,655			275,914	275,914 *	827,741
Maple Grove	1,309,859		\$147,625	179,840	327,465 ####	982,394
Maplewood	801,011			200,253	200,253 *	600,758
Marshall	331,306			17,355	17,355	313,951
Mendota Heights	312,987			78,247	78,247 *	234,740
Minneapolis	10,910,118			3,818,541	3,818,541 **	7,091,577
Minnetonka	1,417,511			69,840	69,840	1,347,671
Montevideo	175,771			12,120	12,120	163,651
Monticello	172,264			43,066	43,066 *	129,198
Moorhead	1,024,179			197,300	197,300 #	826,879
Morris	147,677			36,919	36,919 *	110,758
Mound	230,714			57,679	57,679 *	173,035
Mounds View	321,259			80,315	80,315 *	240,944
New Brighton	526,251			131,563	131,563 *	394,688
New Hope	583,673			204,286	204,286 **	379,387
New Ulm	395,633			21,225	21,225	374,408
North Branch	280,174			70,044	70,044 *	210,130
North Mankato	343,578			25,768	25,768 #	317,810
North St. Paul	356,607			89,152	89,152 *	267,455
Northfield	402,230			100,558	100,558 *	301,672
Oak Grove	243,833			23,100	23,100	220,733
Oakdale	610,557		35,461	117,178	152,639 ####	457,918
Orono	339,703			84,926	84,926 *	254,777
Otsego	295,028			73,757	73,757 *	221,271
Owatonna	618,960			26,280	26,280	592,680
Plymouth	1,559,689			61,815	61,815	1,497,874
Prior Lake	437,872			109,468	109,468 *	328,404
Ramsey	530,421			80,000	80,000 #	450,421
Red Wing	671,021			234,857	234,857 **	436,164
Redwood Falls	201,139		20,114	50,285	70,399 ##	130,740
Richfield	959,076			239,769	239,769 *	719,307
Robbinsdale	350,696			15,435	15,435	335,261
Rochester	2,203,557			550,889	550,889 *	1,652,668
Rosemount	516,521		28,150	27,900	56,050 ###	460,471

MUNICIPALITY	TOTAL APPORTION- MENT	TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE	AMOUNT OF BOND INTEREST APPLIED TO MAINTENANCE	GENERAL MAINTENANCE ALLOCATION	TOTAL MAINTENANCE ALLOCATION	CONSTRUCTION ALLOCATION
Roseville ****	\$947,434			\$236,859	\$236,859 *	\$710,575
St. Anthony	204,542			51,136	51,136 *	153,406
St. Cloud	1,723,405	\$8,784	\$57,614	67,980	134,378 ###	1,589,027
St. Louis Park	1,068,172			373,860	373,860 **	694,312
St Michael	299,256			74,814	74,814 *	224,442
St. Paul	7,964,360			2,787,526	2,787,526 **	5,176,834
St. Peter	311,781			15,885	15,885	295,896
Sartell	227,605			8,955	8,955	218,650
Sauk Rapids	254,181			13,545	13,545	240,636
Savage	536,890		12,850	12,795	25,645 ###	511,245
Shakopee	477,891			119,473	119,473 *	358,418
Shoreview	499,235			17,745	17,745	481,490
Shorewood	229,016			57,254	57,254 *	171,762
South St. Paul	458,491			114,623	114,623 *	343,868
Spring Lake Park	139,689			34,922	34,922 *	104,767
Stillwater	389,563			97,391	97,391 *	292,172
Thief River Falls	408,879			55,199	55,199 #	353,680
Vadnais Heights	232,939			8,880	8,880	224,059
Virginia	316,703	9,870		76,708	86,578 *	230,125
Waite Park	202,147			9,450	9,450	192,697
Waseca	209,157			9,465	9,465	199,692
West St. Paul	437,487			80,000	80,000 #	357,487
White Bear Lake	680,865			170,216	170,216 *	510,649
Willmar	584,957	4,392		145,141	149,533 *	435,424
Winona	708,176			177,044	177,044 *	531,132
Woodbury	1,312,672		178,425	41,115	219,540 ###	1,093,132
Worthington	285,181			14,715	14,715	270,466
<b>TOTAL</b>	<b>\$90,608,066</b>	<b>\$238,230</b>	<b>\$924,343</b>	<b>\$19,516,341</b>	<b>\$20,678,914</b>	<b>\$68,929,152</b>

\* 25% of Allotment requested.

\*\* 35% of Allotment requested. (Maintenance expenditure report required).

\*\*\* Requested more than 25% and less than 35% of Allotment. (Maintenance expenditure report required).

\*\*\*\* Requested that bond interest be paid with local funds.

# Lump sum amount or certain % requested. Total cannot exceed 35% of total Allotment. (No maintenance expenditure report required).

## Requested 25% + bond interest.

### Allocated \$1500 per mile + bond interest. Total Maintenance cannot exceed 35% of total Allotment.

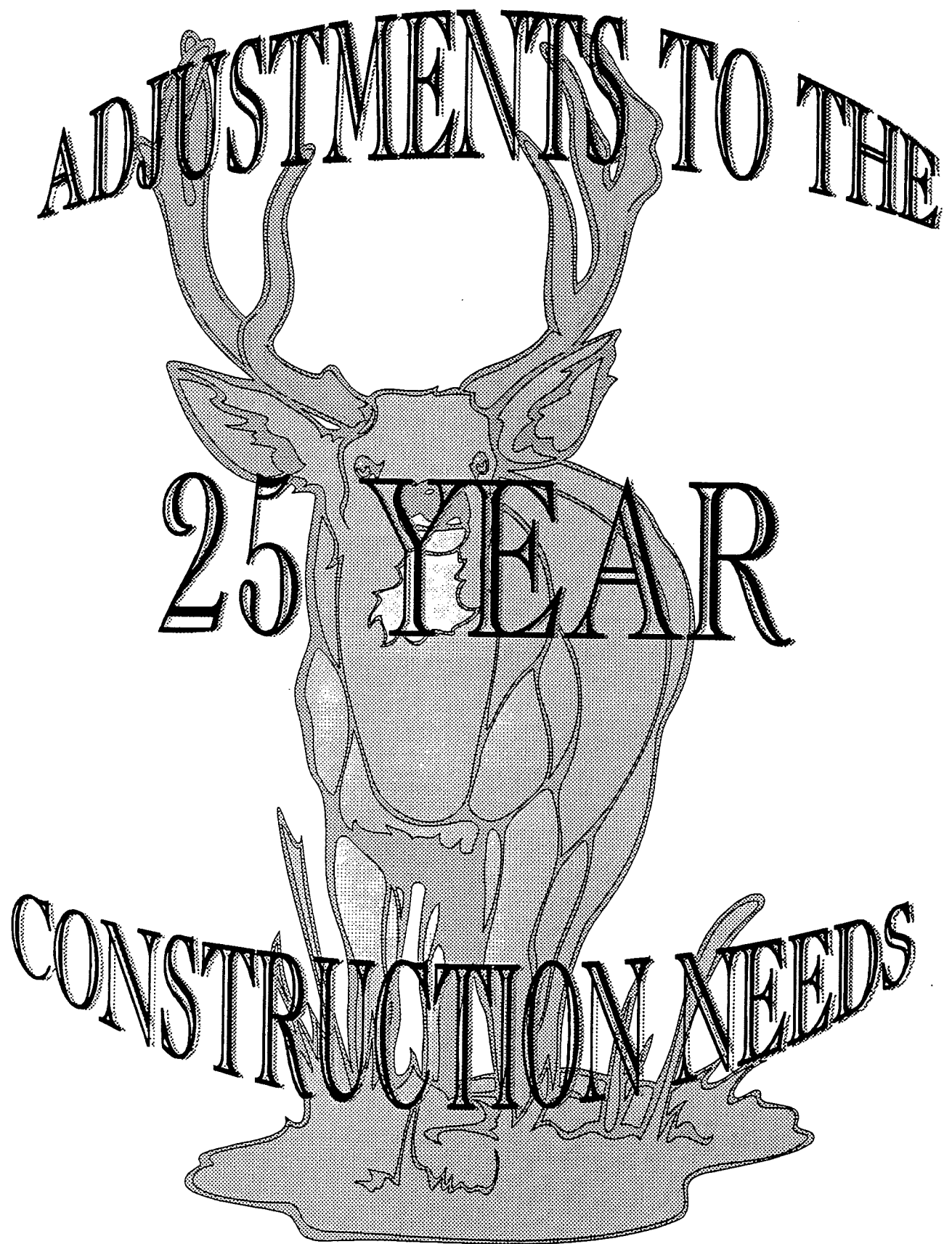
#### Maximum amount of 25% including bond interest.

# **1996 IMPROVED MILEAGE RECORD** (MILEAGE USED FOR MINIMUM MAINTENANCE ALLOCATION)

\* Trunk Highway Turnback mileage that receives a separate maintenance allowance is not included in the city's total improved mileage.

MUNICIPALITY	IMPROVED MILEAGE	MUNICIPALITY	IMPROVED MILEAGE
Albert Lea	18.65	East Bethel	21.39
Alexandria	13.42	East Grand Forks	11.57
Andover	24.17	Eden Prairie	39.27
Anoka	11.16	Edina	39.36
Apple Valley	25.46	Elk River	18.26
Arden Hills	5.57	Fairmont	18.55
Austin	26.60	Falcon Heights	2.54
Bemidji	14.35	Faribault	21.06
Blaine	21.04	Farmington	5.33
Bloomington	72.64	Fergus Falls*	14.34
Brainerd	14.09	Forest Lake	5.12
Brooklyn Center	21.67	Fridley	25.32
Brooklyn Park*	32.33	Glencoe	6.17
Buffalo	8.20	Golden Valley	23.01
Burnsville	43.23	Grand Rapids	11.10
Cambridge*	3.41	Ham Lake	21.34
Champlin	13.82	Hastings	16.44
Chanhassen	15.33	Hermantown	12.99
Chaska	12.63	Hibbing *	48.64
Chisholm*	7.41	Hopkins	9.34
Cloquet*	17.92	Hugo	12.78
Columbia Heights	12.53	Hutchinson	13.98
Coon Rapids	35.89	International Falls	8.06
Corcoran	14.18	Inver Grove Heights	22.32
Cottage Grove	26.76	Lake Elmo	9.53
Crookston	11.12	Lakeville	38.36
Crystal	17.78	Lino Lakes	9.15
Detroit Lakes	9.54	Litchfield	8.06
Duluth*	88.59	Little Canada	6.77
Eagan	39.82	Little Falls	13.56

<b>MUNICIPALITY</b>	<b>IMPROVED MILEAGE</b>	<b>MUNICIPALITY</b>	<b>IMPROVED MILEAGE</b>
Mahtomedi	3.95	Redwood Falls	6.61
Mankato	29.58	Richfield	25.39
Maple Grove	32.09	Robbinsdale	10.29
Maplewood	16.84	Rochester	51.10
Marshall	11.57	Rosemount	18.60
Mendota Heights	12.87	Roseville	26.91
Minneapolis	193.45	St. Anthony	5.18
Minnetonka	46.56	St. Cloud *	45.32
Montevideo	8.08	St. Louis Park	26.56
Monticello	4.33	St. Michael	9.55
Moorhead	27.67	St. Paul	158.53
Morris	6.66	St. Peter	10.59
Mound	7.59	Sartell	5.97
Mounds View	9.82	Sauk Rapids	9.03
New Brighton	11.78	Savage	8.53
New Hope	12.64	Shakopee	17.50
New Ulm	14.15	Shoreview	11.83
North Branch	14.62	Shorewood	9.29
North Mankato	11.86	South St. Paul	13.97
North St. Paul	10.00	Spring Lake Park	5.23
Northfield	10.57	Stillwater	12.57
Oak Grove	15.40	Thief River Falls	13.19
Oakdale	16.07	Vadnais Heights	5.92
Orono	12.58	Virginia *	12.05
Otsego	10.12	Waite Park	6.30
Owatonna	17.52	Waseca	6.31
Plymouth	41.21	West St. Paul	12.12
Prior Lake	9.80	White Bear Lake	19.53
Ramsey	17.03	Willmar *	23.30
Red Wing	20.43	Winona	21.38
		Woodbury	27.41
		Worthington	9.81
		<b>TOTAL</b>	<b>2495.73</b>





## UNENCUMBERED CONSTRUCTION FUND BALANCE ADJUSTMENT

The unencumbered amount available as of December 31, 1996 is the unencumbered construction fund balance adjustment which is deducted from the city's total needs. The date was changed from September 1 to December 31 by the Screening Board. See the Screening Board Resolution and the 1997 Needs Construction Apportionment spreadsheet on pages 26 - 30.

The total State Aid expenditures between September 1, 1995 and December 31, 1996 amounted to \$107,230,987. This amount includes \$70,324,337 for the 1996 Construction Apportionment plus \$26,552,025 less than the September 1, 1995 balance and \$10,354,625 for State Aid Advances. The total fund balance decreased by \$32,604,081 between September 1, 1996 and December 31, 1996.

Municipalities	Unencumbered Amount Available 9-1-95	Unencumbered Amount Available 12-31-96	Difference Between 1995 and 1996	Percentage of Total Amount in 1996 Account	Ratio to City's 1996 Construction Allotment
Albert Lea	\$1,575,117	\$1,254,257	(\$320,860)	1.9911	3.1092
Alexandria	271,824	0	(271,824)	0.0000	0.0000
Andover	492,208	200,484	(291,724)	0.3183	0.4566
Anoka	584,430	467,469	(116,961)	0.7421	1.4974
Apple Valley	0	0	0	0.0000	0.0000
Arden Hills	501,784	0	(501,784)	0.0000	0.0000
Austin	1,578,113	2,084,615	506,502	3.3093	2.7074
Bemidji	647,780	645,713	(2,067)	1.0250	2.1041
Blaine	2,253,001	1,682,129	(570,872)	2.6703	2.0200
Bloomington	4,385,186	6,517,392	2,132,206	10.3461	3.1650
Brainerd	1,132,841	1,006,077	(126,764)	1.5971	4.0678
Brooklyn Center	1,835,225	0	(1,835,225)	0.0000	0.0000
Brooklyn Park	2,554,577	1,441,975	(1,112,602)	2.2891	1.3887
Buffalo	362,686	0	(362,686)	0.0000	0.0000
Burnsville	1,264,162	213,654	(1,050,508)	0.3392	0.2043
Cambridge	0	0	0	0.0000	0.0000
Champlin	240,073	572,865	332,792	0.9094	1.7214
Chanhassen	649,995	490,164	(159,831)	0.7781	0.8909
Chaska	0	0	0	0.0000	0.0000
Chisholm	0	0	0	0.0000	0.0000
Cloquet	0	0	0	0.0000	0.0000
Columbia Heights	1,647,632	1,441,213	(206,419)	2.2879	4.9219
Coon Rapids	1,806,681	1,580,684	(225,997)	2.5093	1.2148
Corcoran	18,106	0	(18,106)	0.0000	0.0000
Cottage Grove	0	35,023	35,023	0.0556	0.0409
Crookston	154,599	83,830	(70,769)	0.1331	0.1844
Crystal	1,358,382	744,723	(613,659)	1.1822	1.2733
Detroit Lakes	810	172,185	171,375	0.2733	0.8345
Duluth	0	815,341	815,341	1.2943	0.3778
Eagan	0	0	0	0.0000	0.0000
East Bethel	222,420	504,036	281,616	0.8001	1.6904
East Grand Forks	174,128	295,302	121,174	0.4688	1.5115
Eden Prairie	2,126	0	(2,126)	0.0000	0.0000
Edina	4,950,129	2,864,882	(2,085,247)	4.5479	3.2043
Elk River	0	0	0	0.0000	0.0000

<b>Municipalities</b>	<b>Unencumbered Amount Available 9-1-95</b>	<b>Unencumbered Amount Available 12-31-96</b>	<b>Difference Between 1995 and 1996</b>	<b>Percentage of Total Amount in 1996 Account</b>	<b>Ratio to City's 1996 Construction Allotment</b>
Fairmont	\$189,931	\$249,437	\$59,506	0.3960	0.3955
Falcon Heights	302,851	361,677	58,826	0.5741	6.1483
Faribault	716,703	0	(716,703)	0.0000	0.0000
Farmington	567,055	857,051	289,996	1.3605	2.9554
Fergus Falls	1,012,064	0	(1,012,064)	0.0000	0.0000
Forest Lake	0	0	0	0.0000	0.0000
Fridley	1,153,849	1,196,914	43,065	1.9001	2.6360
Glencoe	0	0	0		
Golden Valley	157,949	0	(157,949)	0.0000	0.0000
Grand Rapids	0	0	0	0.0000	0.0000
Ham Lake	153,909	154,862	953	0.2458	0.4649
Hastings	75,405	293,756	218,351	0.4663	1.0693
Hermantown	512,495	592,508	80,013	0.9406	3.2568
Hibbing	1,485,381	1,160,032	(325,349)	1.8415	1.7191
Hopkins	453,308	858,755	405,447	1.3632	2.0392
Hugo	212,912	433,262	220,350	0.6878	1.9662
Hutchinson	1,228,726	830,785	(397,941)	1.3188	2.5194
International Falls	134,211	333,390	199,179	0.5292	1.4244
Inver Grove Heights	0	132,473	132,473	0.2103	0.2711
Lake Elmo	143,394	244,443	101,049	0.3880	1.6147
Lakeville	0	0	0	0.0000	0.0000
Lino Lakes	479,675	788,133	308,458	1.2511	2.5551
Litchfield	537,210	485,646	(51,564)	0.7709	2.9617
Little Canada	173,754	302,065	128,311	0.4795	1.5626
Little Falls	191,966	22,138	(169,828)	0.0351	0.0772
Mahtomedi	25,191	0	(25,191)	0.0000	0.0000
Mankato	1,182	0	(1,182)	0.0000	0.0000
Maple Grove	0	275,738	275,738	0.4377	0.2648
Maplewood	1,128,776	911,859	(216,917)	1.4475	1.5072
Marshall	680,208	1,010,103	329,895	1.6035	3.0450
Mendota Heights	57,757	275,906	218,149	0.4380	1.2648
Minneapolis	5,808,396	2,710,875	(3,097,521)	4.3034	0.3716
Minnetonka	0	0	0	0.0000	0.0000
Montevideo	246,959	428,618	181,659	0.6804	2.3595
Monticello	298,594	134,323	(164,271)	0.2132	1.0000
Moorhead	858,200	478,051	(380,149)	0.7589	0.5557
Morris	53,067	170,003	116,936	0.2699	1.4538
Mound	1,053,771	711,255	(342,516)	1.1291	4.1934
Mounds View	593,970	469,636	(124,334)	0.7455	2.1275
New Brighton	624,991	0	(624,991)	0.0000	0.0000
New Hope	661,477	117,880	(543,597)	0.1871	0.3117
New Ulm	442,531	665,569	223,038	1.0566	1.7018
North Branch	0	103,894	103,894	0.1649	0.4765
North Mankato	0	0	0	0.0000	0.0000
North St. Paul	656,617	0	(656,617)	0.0000	0.0000

Municipalities	Unencumbered Amount Available 9-1-95	Unencumbered Amount Available 12-31-96	Difference Between 1995 and 1996	Percentage of Total Amount in 1996 Account	Ratio to City's 1996 Construction Allotment
Northfield	\$476,651	\$794,794	\$318,143	1.2617	2.4982
Oak Grove	0	216,490	216,490	0.3437	0.8239
Oakdale	0	0	0	0.0000	0.0000
Orono	731,043	638,844	(92,199)	1.0141	2.4930
Otsego	403,554	497,475	93,921	0.7897	2.1678
Owatonna	123,035	0	(123,035)	0.0000	0.0000
Plymouth	2,416,922	1,413,245	(1,003,677)	2.2435	0.9924
Prior Lake	0	368,979	368,979	0.5857	1.2209
Ramsey	1,153,399	244,621	(908,778)	0.3883	0.5712
Red Wing	1,085,067	223,513	(861,554)	0.3548	0.5231
Redwood Falls	0	0	0	0.0000	0.0000
Richfield	2,984,103	2,574,877	(409,226)	4.0875	3.5292
Robbinsdale	582,407	603,796	21,389	0.9585	1.8149
Rochester	2,647,859	282,842	(2,365,017)	0.4490	0.1732
Rosemount	573,680	0	(573,680)	0.0000	0.0000
Roseville	1,176,479	1,415,313	238,834	2.2468	2.1394
St. Anthony	280,230	422,008	141,778	0.6699	2.7385
St. Cloud	239,929	0	(239,929)	0.0000	0.0000
St. Louis Park	734,778	0	(734,778)	0.0000	0.0000
St. Michael	0	0	0	0.0000	0.0000
St. Paul	11,474,939	4,028,226	(7,446,713)	6.3947	0.6410
St. Peter	578,764	800,653	221,889	1.2710	2.5987
Sartell	431,891	136,251	(295,640)	0.2163	0.7501
Sauk Rapids	0	150,629	150,629	0.2391	0.5900
Savage	42,240	0	(42,240)	0.0000	0.0000
Shakopee	735,749	0	(735,749)	0.0000	0.0000
Shoreview	411,437	0	(411,437)	0.0000	0.0000
Shorewood	913,290	1,085,084	171,794	1.7225	6.0768
South St. Paul	1,487,909	1,611,071	123,162	2.5575	4.5871
Spring Lake Park	0	0	0	0.0000	0.0000
Stillwater	515,911	613,394	97,483	0.9737	2.1027
Thief River Falls	54,297	312,041	257,744	0.4954	0.8911
Vadnais Heights	0	0	0	0.0000	0.0000
Virginia	0	112,920	112,920	0.1793	0.4402
Waite Park	52,324	0	(52,324)	0.0000	0.0000
Waseca	160,879	0	(160,879)	0.0000	0.0000
West St. Paul	559,585	189,091	(370,494)	0.3002	0.5212
White Bear Lake	902,636	0	(902,636)	0.0000	0.0000
Willmar	405,524	331,754	(73,770)	0.5266	0.7671
Winona	623,053	9,324	(613,729)	0.0148	0.0186
Woodbury	0	0	0	0.0000	0.0000
Worthington	847,520	1,041,223	193,703	1.6529	3.7082
<b>TOTAL</b>	<b>\$69,545,533</b>	<b>\$62,993,508</b>	<b>(\$6,552,025)</b>	<b>100.0000</b>	<b>0.8958</b>

# UNAMORTIZED BOND ACCOUNT BALANCE

(Amount as of December 31, 1995)  
(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.

Municipality	Date of Issue	(A) Amount of Issue	(B) Total Amount Applied Toward State Aid Projects	(C) (A Minus B) Amount Not Applied Toward State Aid Projects	(D) Remaining Amount of Principal To Be Paid	(E) Off System Disbursement	(D minus C minus E) Bond Account Adjustment
Andover	8-01-88	\$500,000	\$500,000	\$0	\$150,000		\$150,000
Anoka	7-01-86	985,000	552,765	432,235	50,000		(382,235)
Apple Valley	8-01-79	875,000	875,000	0	370,000		370,000
Apple Valley	9-09-91	1,730,000	1,730,000	0	1,490,000	\$779,446	710,554
Brooklyn Center	9-01-91	3,000,000	3,000,000	0	2,455,000		2,455,000
Cambridge	8-01-94	650,000	641,142	8,858 *	630,000		621,142
Cloquet	12-01-93	835,000	835,000	0	675,000		675,000
Cottage Grove	5-01-77	560,000	560,000	0	35,000		35,000
Eagan	7-01-86	3,000,000	3,000,000	0	1,240,000		1,240,000
Eden Prairie	11-10-91	370,000	261,663	108,337	310,000		201,663

		(A)	(B)	(C)	(D)	(E)	(D Minus C) minus E)
Municipality	Date of Issue	Amount of Issue	Total Amount Applied Toward State Aid Projects	(A Minus B) Amount Not Applied Toward State Aid Projects	Remaining Amount of Principal To Be Paid	Off System Disburse- ment	Bond Account Adjustment
Eden Prairie	7-01-92	\$1,940,000	\$0	\$1,940,000	\$390,000		(\$1,550,000)
Elk River	6-01-92	1,095,000	1,095,000	0	680,000		680,000
Falcon Heights	4-21-80	170,000	142,012	27,988	0		(27,988)
Ham Lake	9-01-94	530,000	530,000	0	465,000		465,000
Little Canada	11-01-93	315,000	300,000	15,000 *	220,000		205,000
Maple Grove	11-01-94	3,620,000	0	3,620,000	3,620,000		0
Marshall	7-01-81	310,000	235,496	74,504	0		(74,504)
North Mankato	6-01-86	550,000	550,000	0	55,000		55,000
Oakdale	11-10-92	453,181	453,181	0	329,174		329,174
Oakdale	11-23-93	887,640	887,640	0	728,592		728,592
Ramsey	3-13-91	500,000	500,000	0	100,000		100,000
Rosemount	7-05-94	700,000	0	700,000	635,000		(65,000)
Roseville	12-01-85	2,225,000	2,225,000	0	1,265,000		1,265,000
St. Cloud	11-01-92	1,940,000	1,755,000	185,000	1,640,000		1,455,000
Savage	10-01-87	875,000	875,000	0	250,000		250,000
Woodbury	10-01-94	3,890,000	3,871,804	18,196	3,890,000		3,871,804
Woodbury	11-12-75	263,000	262,050	950	0		(950)
<b>TOTAL</b>		<b>\$32,768,821</b>	<b>\$25,637,753</b>	<b>\$7,131,068</b>	<b>\$21,672,766</b>	<b>\$779,446</b>	<b>\$13,762,252</b>

\* OVERHEAD COSTS

## 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 that is eligible for State Aid reimbursement for a 15-year period." This directive to exclude all Federal or State grants.

Municipality	MSAS No.	First Year of Adjustment	Year of Apportionment Expiration	15 Years Amount Expired	Project Needs	Total Needs Amount
Bloomington	433	1987	2001		\$1,255,688	
	399	1990	2004		1,070,687	
						<b>\$2,326,375</b>
Burnsville	108	1986	2000			<b>349,684</b>
Chaska	107	1997	2011		346,355	<b>346,355</b>
Cottage Grove	111	1997	2011		43,731	<b>43,731</b>
Duluth *	140	1987	2001			<b>1,054,200</b>
Eden Prairie	101	1985	1999		974,299	
	107	1997	2011		285,194	<b>1,259,493</b>
Edina	174	1997	2011		938,240	<b>938,240</b>
Hastings	129	1983	1997			<b>233,038</b>
Lakeville	122	1996	2010			<b>813,036</b>
Minneapolis	328	1983	1997		410,521	
	336	1986	2000		1,082,670	
	419	1996	2010		1,625,850	<b>3,119,041</b>
Red Wing	122	1986	2000			<b>991,307</b>
Roseville	219	1987	2001			<b>2,814,714</b>
St. Paul	234	1983	1997			<b>320,857</b>
Woodbury	108	1996	2010			<b>1,410,197</b>
<b>TOTAL</b>						<b>\$16,020,268</b>

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

# NEEDS ADJUSTMENT FOR RIGHT-OF-WAY ACQUISITION

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

MUNICIPALITY	1980-1994 RIGHT-OF-WAY EXPENDITURES	1995 & 1996 RIGHT-OF-WAY EXPENDITURES	1980 EXPIRED RIGHT-OF-WAY EXPENDITURES	=	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1997 APPORTIONMENT
Albert Lea	\$6,827	--	--	--	\$6,827
Alexandria	--	--	--	--	--
Andover	147,283	--	--	--	147,283
Anoka	216,505	--	--	--	216,505
Apple Valley	--	--	--	--	--
Arden Hills	--	--	--	--	--
Austin	--	--	--	--	--
Bemidji	220,201	--	--	--	220,201
Blaine	183,259	\$109,097	--	--	292,356
Bloomington	5,687,514	--	--	--	5,687,514
Brainerd	--	--	--	--	--
Brooklyn Center	2,523,341	--	--	--	2,523,341
Brooklyn Park	234,817	--	--	--	234,817
Buffalo	--	--	--	--	--
Burnsville	1,328,186	6,260	--	--	1,334,446
Cambridge	--	--	--	--	--
Champlin	123,432	--	--	--	123,432
Chanhassen	65,000	--	--	--	65,000
Chaska	92,467	--	--	--	92,467
Chisholm	--	--	--	--	--
Cloquet	22,271	--	--	--	22,271
Columbia Heights	133,200	--	--	--	133,200
Coon Rapids	1,010,152	50,336	--	--	1,060,488
Corcoran	5,762	--	--	--	5,762
Cottage Grove	425,664	4,638	--	--	430,302
Crookston	1,106,538	--	(56,174)	--	1,050,364
Crystal	3,817,423	--	(134,787)	--	3,682,636
Detroit Lakes	--	--	--	--	--
Duluth	230,314	--	--	--	230,314
Eagan	392,508	--	--	--	392,508
East Bethel	17,200	--	--	--	17,200
East Grand Forks	121,700	--	--	--	121,700
Eden Prairie	--	--	--	--	--
Edina	45,296	256,163	--	--	301,459
Elk River	194,227	--	--	--	194,227
Fairmont	74,988	--	--	--	74,988
Falcon Heights	--	--	--	--	--
Faribault	2,346	--	--	--	2,346
Farmington	83,865	--	--	--	83,865
Fergus Falls	67,200	--	--	--	67,200

MUNICIPALITY	1980-1994 RIGHT-OF-WAY EXPENDITURES	1995 & 1996 RIGHT-OF-WAY EXPENDITURES	1980 EXPIRED RIGHT-OF-WAY EXPENDITURES	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1997 APPORTIONMENT
Forest Lake	\$27,900	\$36,883	--	\$64,783
Fridley	95,081	--	--	95,081
Golden Valley	419,693	--	--	419,693
Grand Rapids	--	--	--	--
Ham Lake	77,493	4,952	--	82,445
Hastings	17,620	--	(13,270)	4,350
Hermantown	82,468	47,390	--	129,858
Hibbing	78,725	126,635	--	205,360
Hopkins	--	--	--	--
Hugo	--	--	--	--
Hutchinson	--	175,000	--	175,000
International Falls	--	--	--	--
Inver Grove Heights	1,112,132	15,000	--	1,127,132
Lake Elmo	100,641	--	--	100,641
Lakeville	170,254	305,894	--	476,148
Lino Lakes	64,950	--	--	64,950
Litchfield	--	--	--	--
Little Canada	--	--	--	--
Little Falls	311,472	--	--	311,472
Mahtomedi	--	--	--	--
Mankato	433,175	--	--	433,175
Maple Grove	1,244,255	140,702	(18,538)	1,366,419
Maplewood	--	--	--	--
Marshall	60,338	12,425	--	72,763
Mendota Heights	8,970	--	--	8,970
Minneapolis	9,486,130	317,950	(1,959,183)	7,844,897
Minnetonka	71,450	--	--	71,450
Montevideo	--	--	--	--
Monticello	149,510	--	--	149,510
Moorhead	130,305	--	--	130,305
Morris	2,379	--	--	2,379
Mound	107,446	--	--	107,446
Mounds View	--	--	--	--
New Brighton	--	--	--	--
New Hope	183,000	--	--	183,000
New Ulm	--	--	--	--
North Branch	--	--	--	--
North Mankato	395,146	--	--	395,146
North St. Paul	78,068	--	--	78,068
Northfield	8,850	--	--	8,850
Oak Grove	--	29,899	--	29,899
Oakdale	211,229	22,400	--	233,629
Orono	--	--	--	--
Otsego	8,900	--	--	8,900
Owatonna	--	--	--	--



MUNICIPALITY	1980-1994 RIGHT-OF-WAY EXPENDITURES	1995 & 1996 RIGHT-OF-WAY EXPENDITURES	1980 EXPIRED RIGHT-OF-WAY EXPENDITURES	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1997 APPORTIONMENT
Plymouth	\$192,964	--	--	\$192,964
Prior Lake	281,025	--	--	281,025
Ramsey	180,075	--	--	180,075
Red Wing	62,176	--	--	62,176
Richfield	2,997,333	--	--	2,997,333
Robbinsdale	--	--	--	--
Rochester	3,616,427	--	--	3,616,427
Rosemount	--	--	--	--
Roseville	1,660,726	--	--	1,660,726
St. Anthony	--	--	--	--
St. Cloud	1,175,435	\$48,057	--	1,223,492
St. Louis Park	46,792	256,113	--	302,905
St. Paul	3,606,344	182,122	--	3,788,466
St. Peter	26,182	--	--	26,182
Sartell	--	--	--	--
Sauk Rapids	13,778	--	(9,834)	3,944
Savage	--	--	--	--
Shakopee	--	--	--	--
Shoreview	--	--	--	--
Shorewood	--	--	--	--
South St. Paul	--	--	--	--
Spring Lake Park	--	129,350	--	129,350
Stillwater	104,442	--	(104,442)	--
Thief River Falls	42,475	26,759	--	69,234
Vadnais Heights	--	--	--	--
Virginia	--	--	--	--
Waite Park	--	28,764	--	28,764
Waseca	5,000	--	--	5,000
West St. Paul	--	--	--	--
White Bear Lake	279,823	--	--	279,823
Willmar	152,500	--	--	152,500
Winona	340,950	--	(340,950)	--
Woodbury	280,615	--	--	280,615
Worthington	26,842	--	--	26,842
<b>TOTAL</b>	<b>\$48,808,970</b>	<b>\$2,332,789</b>	<b>(\$2,637,178)</b>	<b>\$48,504,581</b>

October 23, 1996

James N. Denn, Commissioner  
Minnesota Department of Transportation  
Room 411  
State Transportation Building  
St. Paul, Minnesota 55155

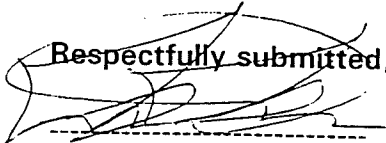
Dear Commissioner Denn,

We, the undersigned, as members of the 1996 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 or annexation have their mileage and resulting money needs established and included in our findings.

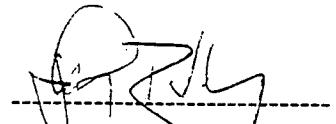
This Board, therefore, recommends that the money needs, as listed on the attached, be modified as required and used as the basis for apportioning to the urban municipalities the 1997 Apportionment Sum as provided by Minnesota Statutes, Chapter 162.13, Subdivision 1.

Respectfully submitted,

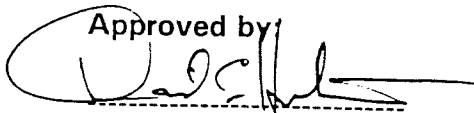


Brian Bachmeier  
Chairman

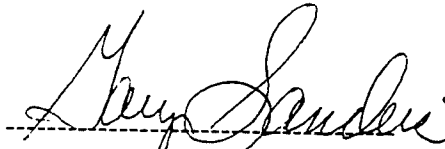
-----  
Vacant  
Vice Chairman

  
John Rodeberg  
Secretary

Approved by



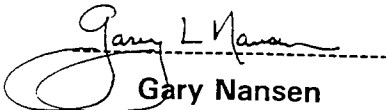
Dave Halter  
District 1



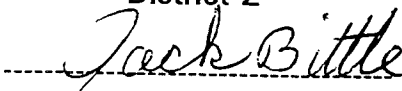
Gary Sanders  
District 2



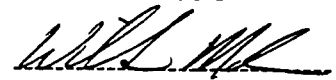
Curt Kreklau  
District 3



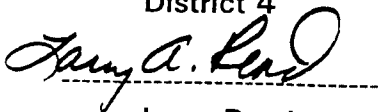
Gary Nansen  
District 4



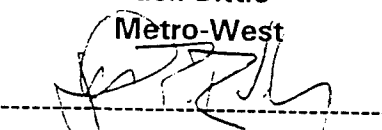
Jack Bittle  
Metro-West



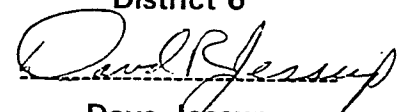
William Malin  
District 6



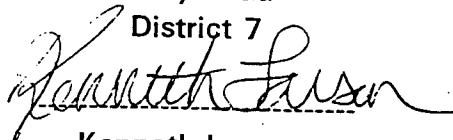
Larry Read  
District 7



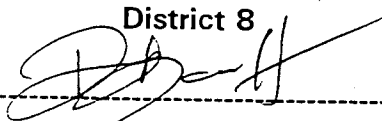
John Roderberg  
District 8



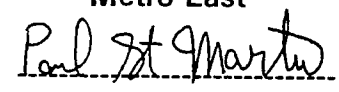
Dave Jessup  
Metro-East



Kenneth Larson  
Duluth



Ramankutty Kannankutty  
Minneapolis



Paul St. Martin  
St. Paul

## 1996 ADJUSTED CONSTRUCTION NEEDS RECOMMENDATIONS

Municipality	Adjusted Construction Needs	Municipality	Adjusted Construction Needs
Albert Lea	\$9,694,841	Forest Lake	\$4,087,138
Alexandria	8,281,386	Fridley	8,181,331
Andover	15,953,802	Glencoe	5,241,495
Anoka	5,678,414	Golden Valley	13,973,720
Apple Valley	16,703,652	Grand Rapids	6,338,901
Arden Hills	3,150,481	Ham Lake	8,528,992
Austin	16,070,977	Hastings	6,015,215
Bemidji	8,350,606	Hermantown	4,559,746
Blaine	18,281,100	Hibbing	22,364,380
Bloomington	65,941,215	Hopkins	6,771,711
Brainerd	5,537,212	Hugo	7,861,120
Brooklyn Center	18,489,961	Hutchinson	9,141,395
Brooklyn Park	19,918,025	International Falls	4,344,427
Buffalo	6,599,243	Inver Grove Heights	15,183,490
Burnsville	23,617,180	Lake Elmo	2,621,725
Cambridge	3,655,142	Lakeville	29,373,724
Champlin	4,767,636	Lino Lakes	9,195,107
Chanhassen	13,385,442	Litchfield	4,960,255
Chaska	10,409,555	Little Canada	4,780,388
Chisholm	3,493,282	Little Falls	7,393,925
Cloquet	12,068,394	Mahtomedi	1,853,531
Columbia Heights	6,731,166	Mankato	24,130,052
Coon Rapids	17,048,206	Maple Grove	24,966,482
Corcoran	5,069,187	Maplewood	11,553,479
Cottage Grove	17,060,788	Marshall	5,666,704
Crookston	12,487,549	Mendota Heights	5,868,400
Crystal	15,398,875	Minneapolis	208,361,274
Detroit Lakes	3,681,557	Minnetonka	25,302,786
Duluth	66,618,011	Montevideo	3,605,031
Eagan	20,952,417	Monticello	3,250,381
East Bethel	7,653,270	Moorhead	20,083,131
East Grand Forks	4,896,125	Morris	2,450,521
Eden Prairie	24,289,293	Mound	3,341,841
Edina	20,900,136	Mounds View	5,146,281
Elk River	13,435,495	New Brighton	7,297,548
Fairmont	17,747,542	New Hope	9,908,782
Falcon Heights	258,857	New Ulm	7,400,333
Faribault	15,088,192	North Branch	7,720,915
Farmington	8,805,440	North Mankato	6,712,285
Fergus Falls	11,426,070	North St. Paul	6,364,835

<b>Municipality</b>	<b>Adjusted Construction Needs</b>
Northfield	\$6,477,926
Oak Grove	5,889,716
Oakdale	9,802,138
Orono	8,793,149
Otsego	7,757,843
Owatonna	12,090,094
Plymouth	26,152,351
Prior Lake	9,318,247
Ramsey	11,344,888
Red Wing	16,830,404
Redwood Falls	4,798,118
Richfield	16,396,256
Robbinsdale	5,223,015
Rochester	40,839,417
Rosemount	13,165,904
Roseville	16,967,554
St. Anthony	3,066,172
St. Cloud	32,358,276
St. Louis Park	15,943,867
St. Michael	7,761,717
St. Paul	150,188,984
St. Peter	6,355,191
Sartell	4,705,927
Sauk Rapids	4,488,689
Savage	12,380,143
Shakopee	10,502,913
Shoreview	4,228,457
Shorewood	4,915,650
South St. Paul	6,000,625
Spring Lake Park	1,513,103
Stillwater	5,947,571
Thief River Falls	11,129,468
Vadnais Heights	1,864,608
Virginia	6,396,319
Waite Park	4,382,136
Waseca	3,230,973
West St. Paul	5,671,548
White Bear Lake	11,352,641
Willmar	11,615,702
Winona	11,959,683
Woodbury	32,610,534
Worthington	5,082,199
<b>STATE TOTAL</b>	<b>\$1,738,998,615</b>

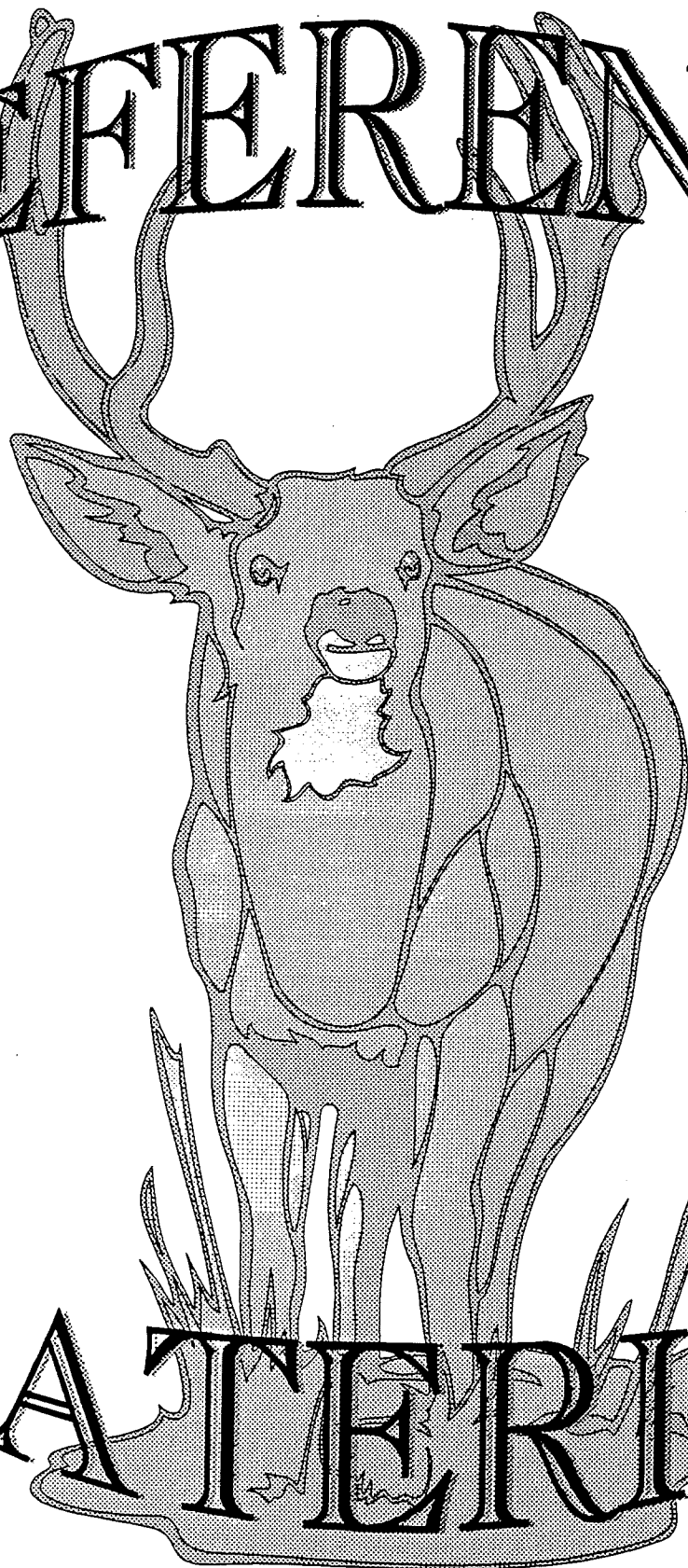
# TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE

The following tabulation shows the Trunk Highway Turnback Maintenance allowance for the 1997 Apportionment. All turnbacks eligible for maintenance payments are included in this tabulation as of December 31, 1996. 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 1996.

MSAS Route No.	Date of Release	Project Number	Plan Approved	Total Mileage	Miles Const.	Miles Eligible for TB Maint.	Date of MSAS Designation	Maintenance Allowance Eligible Miles X \$7,200	Total Turnback Maintenance Allocation
<b>Brooklyn Park</b>									
139 (TH 252)	7-15-94		No	2.94	0.00	2.94	12-94	\$21,168	\$21,168
<b>Cambridge</b>									
113 (TH 65)	11-1-94		No	2.15	0.00	2.15	12-94	15,480	15,480
<b>Chisholm</b>									
248 (TH 169)	12-30-94	111-248-01	Yes	0.72	0.45	0.27	12-94	1,944	1,944
<b>Cloquet</b>									
146 (TH 45)	11-15-94	112-146-02	Yes	1.06	0.00	1.06	11-94	7,632	
			No	0.68	0.00	0.68	11-94	4,896	
								12,528	12,528
<b>Duluth</b>									
(TH 23)	12-15-95		No	14.61	0.00	14.61	2-1-96	105,192	
(TH 61)	12-15-95		No	1.79	0.00	1.79	2-1-96	12,888	
(TH 194)	12-15-95	Constructed	No	0.95	0.95	0.00	2-1-96	0	
				17.35		16.40		118,080	118,080
<b>Fergus Falls</b>									
104 (TH 59)	11-1-94	126-104-02	Yes	1.07	0.00	1.07	11-94	7,704	
			No	1.48	0.00	1.48		10,656	
109 (TH 210)	11-1-94	126-109-08	Yes	0.15	0.00	0.15	11-94	1,080	
			No	1.96	0.00	1.96		14,112	
132 (TH 59)	11-1-94		No	1.40	0.00	1.40	11-94	10,080	
				6.06	0.00	6.06		43,632	43,632
<b>Hibbing</b>									
175 & 226 (TH 73)	6-91	131-175-02 131-226-02	No	2.72	2.44	0.28	7-91	2,016	2,016
<b>Lino Lakes</b>									
113 (TH 49)	11-1-96		No	0.28	0.00	0.28	01-97	336 *	336
<b>St. Cloud</b>									
115,131,145 (TH15)	10-90	162-145-01	Yes	2.33	1.11	1.22	12-90	8,784	8,784
<b>Virginia</b>									
225 (TH 135)	6-1-96		No	2.35	0.00	2.35	08-96	9,870 *	9,870
<b>Willmar</b>									
153 (TH 71)	6-91		No	4.47	3.86	0.61	08-96	4,392	4,392
<b>TOTAL</b>				43.11	8.81	34.30			\$238,230

\* Prorated based on date of release.

REFERENCE



MATERIAL

# M.S.A.S. Mileage, Needs and Apportionment 1958 to 1997

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

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

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

# YEARLY APPORTIONMENT COMPARISONS

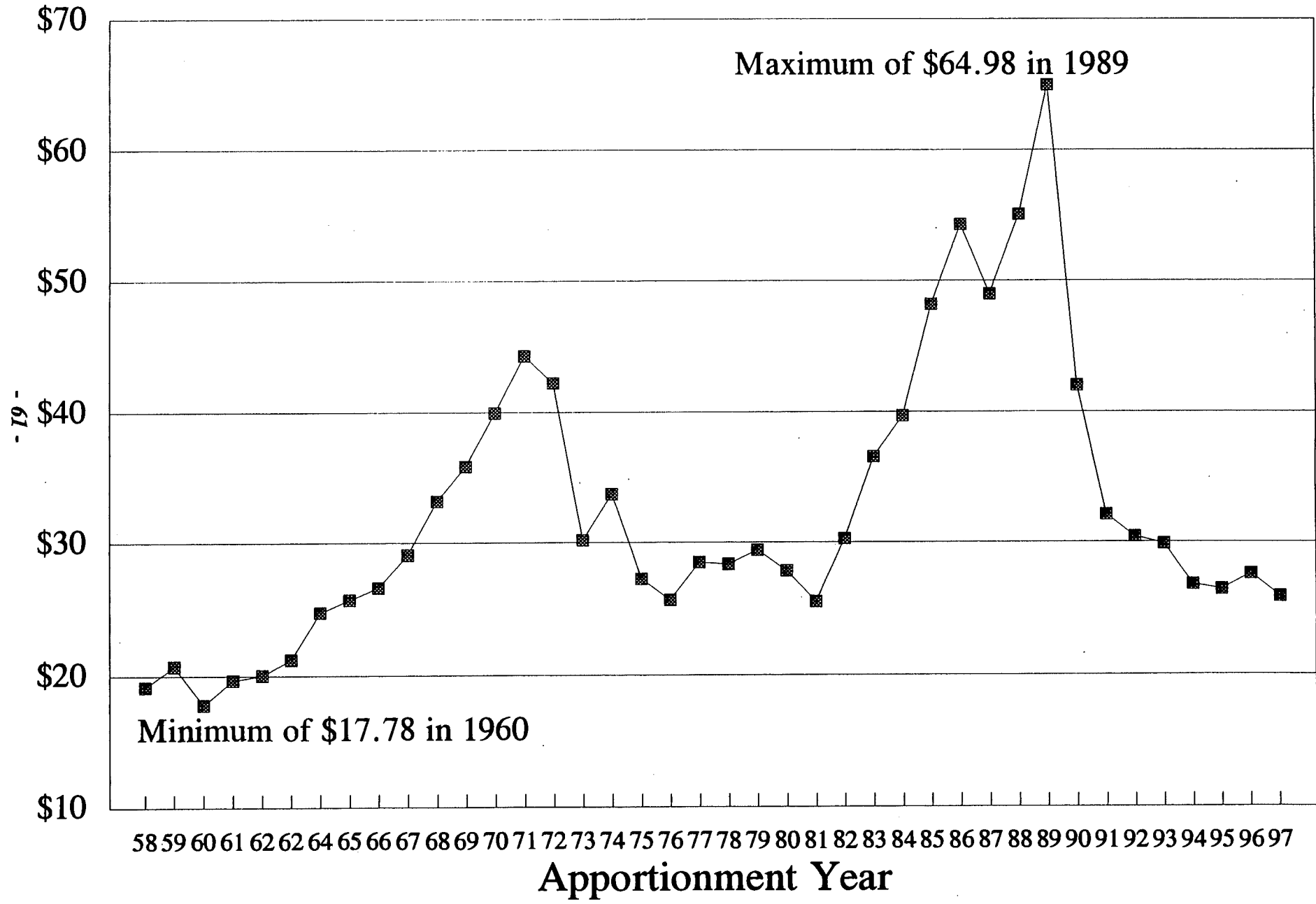
Since 1958, Population Apportionment per Capita has increased \$12.58 or 529%. During this same time period, Construction Needs Apportionment per \$1000 of Const. Needs has increased \$6.91 or 36%.

Apportionment Year	Population	Population Apportionment per Capita	Percent Increase From 1958	Construction Needs Apportionment per \$1000 of Adjusted Const. Needs	Percent Increase From 1958
1958	1,528,861	\$2.38		\$19.14	
1959	1,534,587	2.64	10.92	20.71	8.23
1960	1,534,587	2.73	14.71	21.14	10.48
1961	1,920,742	2.39	0.42	19.64	2.64
1962	1,920,742	2.35	-1.26	20.02	4.63
1963	1,920,742	2.46	3.36	21.21	10.85
1964	1,920,742	2.46	3.36	24.76	29.40
1965	1,920,742	2.96	24.37	25.71	34.34
1966	1,951,085	2.99	25.63	26.63	39.15
1967	1,951,448	3.19	34.03	29.10	52.06
1968	2,139,734	3.34	40.34	33.20	73.47
1969	2,153,747	3.51	47.48	35.87	87.42
1970	2,153,747	3.83	60.92	39.96	108.80
1971	2,286,488	3.96	66.39	44.27	131.34
1972	2,304,433	3.98	67.23	42.21	120.57
1973	2,327,882	4.00	68.07	30.17	57.66
1974	2,333,683	4.65	95.38	33.76	76.40
1975	2,361,895	4.83	102.94	27.28	42.58
1976	2,386,993	4.77	100.42	25.67	34.12
1977	2,391,494	5.77	142.44	28.54	49.14
1978	2,421,215	5.75	141.60	28.38	48.30
1979	2,436,708	6.32	165.55	29.42	53.73
1980	2,447,492	6.94	191.60	27.86	45.59
1981	2,465,725	7.25	204.62	25.54	33.49
1982	2,450,066	8.51	257.56	30.30	58.33
1983	2,455,653	9.41	295.38	36.55	91.00
1984	2,455,813	9.97	318.91	39.70	107.47
1985	2,461,133	11.52	384.03	48.20	151.87
1986	2,493,667	11.84	397.48	54.30	183.76
1987	2,516,111	10.55	343.28	48.97	155.92
1988	2,523,928	11.57	386.13	55.06	187.72
1989	2,535,147	15.09	534.03	64.98	239.55
1990	2,558,117	15.93	569.33	41.99	119.43
1991	2,564,600	15.55	553.36	32.11	67.77
1992	2,808,378	14.44	506.72	30.41	58.94
1993	2,808,763	14.77	520.59	29.89	56.20
1994	2,821,276	14.32	501.68	26.83	40.19
1995	2,835,597	14.40	505.04	26.46	38.28
* 1996	2,975,653	15.25	540.76	27.63	44.37
* 1997	3,028,637	14.96	528.57	25.91	35.42

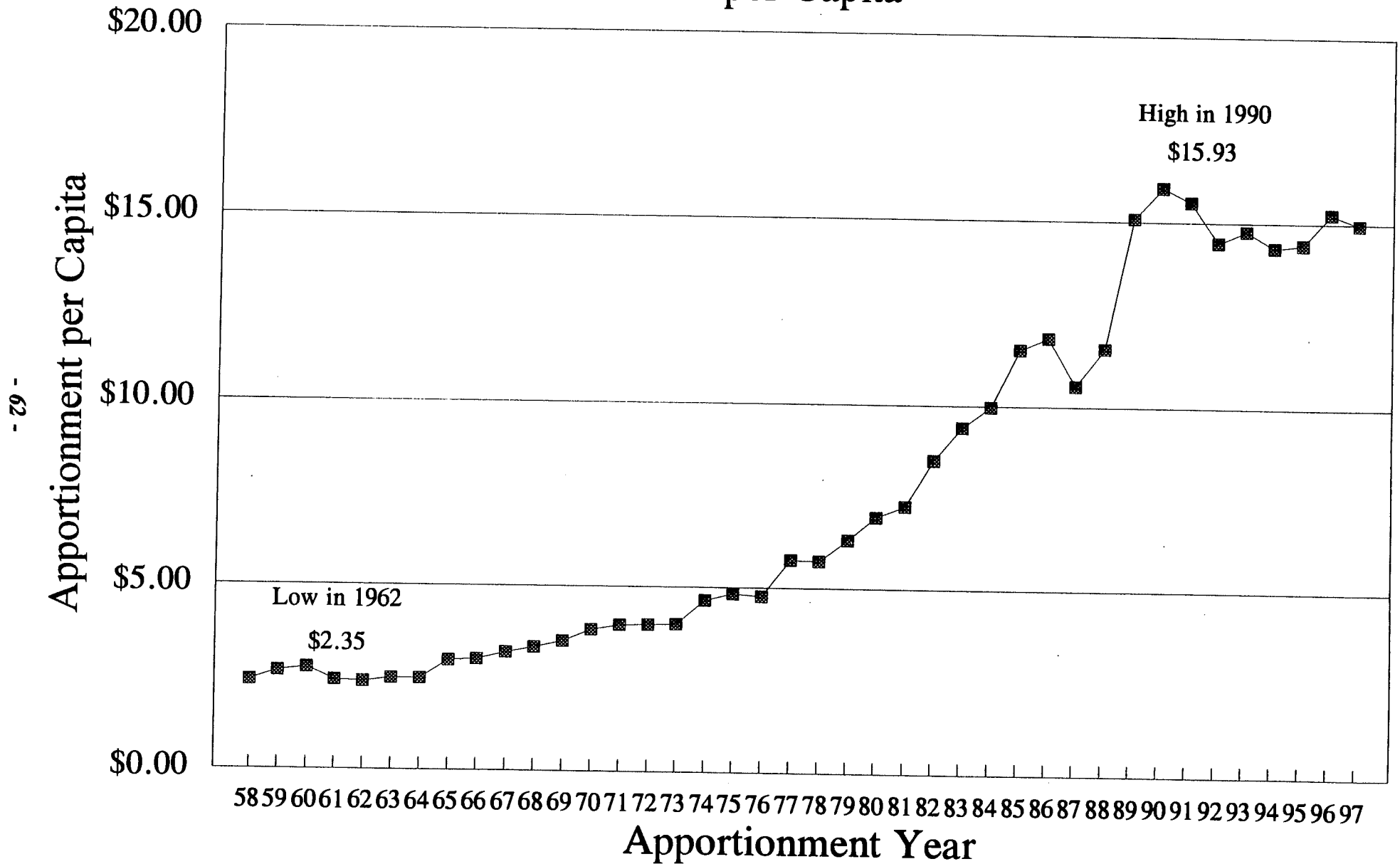
\* Used estimate and census.



# APPORTIONMENT PER \$1000 IN NEEDS (ADJUSTED NEEDS)



# Population Apportionment per Capita



Apportionment Comparison Per Need Mile

Municipality	1996 Total Needs Mileage	Population Apportionment Per Need Mile	Construction Needs Apportionment Per Need Mile	Total Apportionment Per Need Mile	Average Construction Apportionment Per Need Mile	General Maintenance Apport. Per Improved Mile
Albert Lea	18.65	\$14,686	\$13,471	\$28,157	\$21,118	\$7,039
Alexandria	13.68	9,047	15,688	24,735	18,551	6,304
Andover	33.99	9,020	12,164	21,184	14,679	8,937
Anoka	11.98	21,892	12,283	34,175	25,632	9,172
Apple Valley	31.25	19,474	13,852	33,326	28,678	1,500
Arden Hills	6.57	21,766	12,427	34,193	25,645	10,083
Austin	26.73	12,342	15,581	27,923	26,430	1,500
Bemidji	14.35	11,906	15,080	26,986	20,240	6,747
Blaine	32.78	19,288	14,452	33,740	25,305	13,142
Bloomington	73.73	17,633	23,177	40,810	26,527	14,498
Brainerd	14.25	13,204	10,070	23,274	17,456	5,885
Brooklyn Center	21.67	19,940	22,112	42,052	31,504	4,153
Brooklyn Park	45.33	19,744	11,854	31,598	23,348	10,912
Buffalo	9.00	13,287	19,002	32,289	30,922	1,500
Burnsville	43.69	19,019	14,009	33,028	24,771	8,345
Cambridge	5.80	13,733	19,000	32,733	16,483	12,784
Champlin	15.22	18,825	8,118	26,943	20,207	7,418
Chanhassen	21.53	10,582	16,112	26,694	25,626	1,500
Chaska	13.65	15,342	19,763	35,105	33,717	1,500
Chisholm	7.68	10,304	12,041	22,345	16,568	5,724
Cloquet	19.78	8,440	16,445	24,885	15,763	7,981
Columbia Heights	12.53	22,575	13,922	36,497	23,723	12,774
Coon Rapids	37.67	23,818	11,728	35,546	34,117	1,500
Corcoran	14.18	5,854	9,264	15,118	9,827	5,291
Cottage Grove	29.32	14,145	15,079	29,224	27,856	1,500
Crookston	11.12	10,943	29,102	40,045	35,549	4,496
Crystal	17.88	19,901	22,319	42,220	31,665	10,614
Detroit Lakes	9.54	11,473	10,001	21,474	19,974	1,500
Duluth	105.92	12,098	17,414	29,512	19,878	10,186
Eagan	44.31	19,135	12,254	31,389	28,671	1,500

Municipality	1996 Total Needs Mileage	Population Apportionment Per Need Mile	Construction Needs Apportionment Per Need Mile	Total Apportionment Per Need Mile	Average Construction Apportionment Per Need Mile	General Maintenance Apport. Per Improved Mile
East Bethel	24.64	\$5,461	\$21,981	\$27,442	\$12,208	\$1,500
East Grand Forks	11.82	11,368	10,735	22,103	16,577	5,645
Eden Prairie	42.76	16,200	14,721	30,921	28,945	1,500
Edina	39.36	17,803	13,761	31,564	23,673	7,891
Elk River	24.58	8,085	14,165	22,250	20,246	1,500
Fairmont	19.38	8,753	23,732	32,485	31,049	1,500
Falcon Heights	2.54	31,684	2,641	34,325	22,311	12,014
Faribault	21.40	13,090	18,271	31,361	23,521	7,967
Farmington	10.65	10,826	21,426	32,252	31,314	1,876
Fergus Falls	21.86	8,811	15,541	24,352	16,767	8,520
Forest Lake	5.53	17,685	19,153	36,838	35,450	1,500
Fridley	25.34	16,727	8,367	25,094	17,565	7,534
Glencoe	6.94	11,200	19,572	30,772	29,438	1,500
Golden Valley	23.55	13,320	15,377	28,697	21,523	7,343
Grand Rapids	11.36	10,744	14,460	25,204	18,903	6,449
Ham Lake	22.85	6,705	9,673	16,378	14,154	1,500
Hastings	16.62	14,753	9,379	24,132	18,099	6,099
Hermantown	12.99	8,168	9,097	17,265	14,185	3,079
Hibbing	50.74	5,320	11,462	16,782	12,557	4,366
Hopkins	9.41	26,345	18,649	44,994	43,505	1,500
Hugo	15.21	5,236	13,394	18,630	13,972	5,543
Hutchinson	14.73	12,699	16,083	28,782	27,358	1,500
International Falls	8.06	15,406	13,968	29,374	27,874	1,500
Inver Grove Heights	24.66	15,779	15,956	31,735	23,801	8,765
Lake Elmo	9.53	9,650	7,129	16,779	15,279	1,500
Lakeville	41.68	12,307	18,263	30,570	29,190	1,500
Lino Lakes	15.57	12,583	15,326	27,909	20,915	11,863
Litchfield	8.06	11,382	15,948	27,330	20,498	6,833
Little Canada	6.77	20,630	18,299	38,929	28,268	9,732
Little Falls	13.71	8,287	13,976	22,263	20,779	1,500

Municipality	1996 Total Needs Mileage	Population Apportionment Per Need Mile	Construction Needs Apportionment Per Need Mile	Total Apportionment Per Need Mile	Average Construction Apportionment Per Need Mile	General Maintenance Apport. Per Improved Mile
Mahtomedi	4.55	\$21,511	\$10,557	\$32,068	\$30,765	\$1,500
Mankato	31.67	15,104	19,745	34,849	26,136	9,328
Maple Grove	41.35	16,030	15,647	31,677	23,758	5,604
Maplewood	19.01	26,386	15,750	42,136	31,602	11,892
Marshall	12.73	14,490	11,536	26,026	24,662	1,500
Mendota Heights	13.51	11,910	11,257	23,167	17,375	6,080
Minneapolis	194.76	28,294	27,725	56,019	36,412	19,739
Minnetonka	49.94	15,254	13,130	28,384	26,986	1,500
Montevideo	8.08	10,191	11,562	21,753	20,254	1,500
Monticello	5.99	14,696	14,062	28,758	21,569	9,946
Moorhead	28.18	17,875	18,469	36,344	29,343	7,130
Morris	6.66	12,638	9,535	22,173	16,630	5,543
Mound	8.05	17,902	10,758	28,660	21,495	7,599
Mounds View	9.82	19,134	13,581	32,715	24,536	8,179
New Brighton	14.17	23,792	13,346	37,138	27,854	11,168
New Hope	12.70	25,739	20,219	45,958	29,873	16,162
New Ulm	14.15	14,407	13,553	27,960	26,460	1,500
North Branch	15.64	5,121	12,793	17,914	13,435	4,791
North Mankato	11.86	14,303	14,667	28,970	26,797	2,173
North St. Paul	10.68	17,946	15,444	33,390	25,043	8,915
Northfield	11.25	20,832	14,922	35,754	26,815	9,514
Oak Grove	19.01	4,798	8,029	12,827	11,611	1,500
Oakdale	16.72	21,324	15,193	36,517	27,387	7,292
Orono	12.58	8,890	18,114	27,004	20,253	6,751
Otsego	13.08	7,185	15,370	22,555	16,917	7,288
Owatonna	17.57	17,396	17,832	35,228	33,732	1,500
Plymouth	48.84	18,057	13,875	31,932	30,666	1,500
Prior Lake	15.17	12,946	15,918	28,864	21,648	11,170
Ramsey	28.73	8,229	10,233	18,462	15,678	4,698
Red Wing	22.59	10,397	19,308	29,705	19,308	11,496

Municipality	1996 Total Needs Mileage	Population Apportionment Per Need Mile	Construction Needs Apportionment Per Need Mile	Total Apportionment Per Need Mile	Average Construction Apportionment Per Need Mile	General Maintenance Apport. Per Improved Mile
Redwood Falls	7.87	\$9,758	\$15,799	\$25,557	\$16,612	\$7,607
Richfield	26.21	20,380	16,212	36,592	27,444	9,443
Robbinsdale	10.33	20,846	13,103	33,949	32,455	1,500
Rochester	55.20	20,747	19,173	39,920	29,940	10,781
Rosemount	21.34	8,216	15,988	24,204	21,578	1,500
Roseville	28.70	17,691	15,321	33,012	24,759	8,802
St. Anthony	5.18	24,147	15,340	39,487	29,615	9,872
St. Cloud	49.74	17,613	17,035	34,648	31,947	1,500
St. Louis Park	28.70	22,822	14,397	37,219	24,192	14,076
St. Michael	14.77	6,643	13,618	20,261	15,196	7,834
St. Paul	159.58	25,518	24,390	49,908	32,440	17,584
St. Peter	10.59	13,889	15,552	29,441	27,941	1,500
Sartell	7.16	14,756	17,033	31,789	30,538	1,500
Sauk Rapids	9.03	15,267	12,882	28,149	26,649	1,500
Savage	14.69	14,708	21,840	36,548	34,802	1,500
Shakopee	19.33	10,642	14,081	24,723	18,542	6,827
Shoreview	14.75	26,417	7,429	33,846	32,643	1,500
Shorewood	9.29	10,940	13,712	24,652	18,489	6,163
South St. Paul	14.72	20,583	10,564	31,147	23,361	8,205
Spring Lake Park	5.23	19,212	7,498	26,710	20,032	6,677
Stillwater	12.80	18,393	12,041	30,434	22,826	7,748
Thief River Falls	13.56	8,884	21,270	30,154	26,083	4,185
Vadnais Heights	6.86	26,912	7,044	33,956	32,662	1,500
Virginia	12.33	11,442	14,244	25,686	18,664	6,366
Waite Park	6.45	13,734	17,607	31,341	29,876	1,500
Waseca	6.31	19,877	13,269	33,146	31,647	1,500
West St. Paul	12.12	23,969	12,127	36,096	29,496	6,601
White Bear Lake	20.03	19,304	14,688	33,992	25,494	8,716
Willmar	23.91	11,692	12,773	24,465	18,211	6,229
Winona	21.75	18,310	14,250	32,560	24,420	8,281
Woodbury	37.00	12,637	22,840	35,477	29,544	1,500
Worthington	9.81	15,645	13,426	29,071	27,570	1,500
<b>State total &amp; Avg.</b>	<b>2,740.46</b>	<b>\$15,637</b>	<b>\$15,269</b>	<b>\$30,906</b>	<b>\$24,883</b>	<b>\$7,820</b>

## GENERAL FUND ADVANCE

1996 year end construction balance available	\$75,966,961
Less amount required in account	(50,000,000)
Maximum amount for advance	25,966,961
Amount advanced to date in 1996	10,354,625
Balance available to advance	15,612,336

Municipality	Resolution Amount	Year	Advance Amount	Repaid Amount	Balance
Alexandria	\$345,000	1996	\$345,000	\$0	\$345,000
Apple Valley	944,534	1996	392,000	0	392,000
Arden Hills	332,485	1996	332,485	0	332,485
Buffalo	500,000	1996	500,000	0	500,000
Burnsville	750,000	1996	0	0	0
Cloquet	315,000	1996	315,000	0	315,000
Corcoran	495,717	1996	495,717	0	495,717
Eagan	1,312,053	1996	1,067,000	0	1,067,000
Elk River	500,000	1996	455,482	0	455,482
Farmington	500,000	1996	0	0	0
Fridley	140,000	1996	0	0	0
Golden Valley	884,000	1996	693,664	0	693,664
Lakeville	1,319,952	1996	1,319,952	0	1,319,952
Little Falls	500,000	1996	0	0	0
Mahtomedi	382,380	1995	373,134	139,428	233,706
Minnetonka	400,600	1996	305,600	0	305,600
North Mankato	120,000	1996	120,000	0	120,000
Owatonna	450,000	1996	450,000	0	450,000
Prior Lake	302,231	1996	263,000	0	263,000
St. Cloud	1,000,000	1996	1,000,000	0	1,000,000
St. Louis Park	1,000,000	1996	660,000	0	660,000
Savage	500,000	1996	0	0	0
Shakopee	500,000	1996	164,000	0	164,000
Shoreview	279,696	1996	279,696	0	279,696
Waite Park	208,000	1995	234,085	158,276	75,809
White Bear Lake	489,514	1996	489,514	0	489,514
Winona	534,682	1996	0	0	0
Woodbury	914,323	1996	397,000	0	397,000
	<b>\$15,920,167</b>		<b>\$10,652,329</b>	<b>\$297,704</b>	<b>\$10,354,625</b>

## Cities that repaid their advance from the 1996 Apportionment.

Cottage Grove	359,860	1995	359,860	359,860	0
Crookston	150,000	1995	60,190	60,190	0
Eagan	1,312,053	1995	945,482	945,482	0
Spring Lake Park	116,178	1995	116,178	116,178	0
<b>Total</b>	<b>\$1,938,090</b>		<b>\$1,481,709</b>	<b>\$1,481,709</b>	<b>\$0</b>

## RELATIONSHIP OF CONSTRUCTION BALANCE TO CONSTRUCTION ALLOTMENT

The amount spend on construction projects was computed by the difference between the previous year's unencumbered construction balance plus the years construction apportionment.

App. Year		No. of Municipalities	Needs Mileage	Unencumbered Construction Balance (As of September 1)	Construction Allotment	Amount Spent on Construction Projects	Ratio of Construction Balance to Construction Allotment	Ratio of Amount spent to Amount Received
1973		94	1580.45	\$26,333,918	\$15,164,273	\$12,855,250	1.7366	0.8477
1974		95	1608.06	29,760,552	18,052,386	14,625,752	1.6486	0.8102
1975		99	1629.30	33,239,840	19,014,171	15,534,883	1.7482	0.8170
1976		101	1718.92	37,478,614	18,971,282	14,732,508	1.9755	0.7766
1977		101	1748.55	43,817,240	23,350,429	17,011,803	1.8765	0.7285
1978		104	1807.94	45,254,560	23,517,393	22,080,073	1.9243	0.9389
1979		106	1853.71	48,960,135	26,196,935	22,491,360	1.8689	0.8585
1980		106	1889.03	51,499,922	29,082,865	26,543,078	1.7708	0.9127
1981		106	1933.64	55,191,785	30,160,696	26,468,833	1.8299	0.8776
1982		105	1976.17	57,550,334	36,255,443	33,896,894	1.5874	0.9349
1983		106	2022.37	68,596,586	39,660,963	28,614,711	1.7296	0.7215
1984		106	2047.23	76,739,685	41,962,145	33,819,046	1.8288	0.8059
1985		107	2110.52	77,761,378	49,151,218	48,129,525	1.5821	0.9792
1986		107	2139.42	78,311,767	50,809,002	50,258,613	1.5413	0.9892
1987	*	107	2148.07	83,574,312	46,716,190	41,453,645	1.7890	0.8874
1988		108	2171.89	85,635,991	49,093,724	47,032,045	1.7443	0.9580
1989		109	2205.05	105,147,959	65,374,509	45,862,541	1.6084	0.7015
1990		112	2265.64	119,384,013	68,906,409	54,670,355	1.7326	0.7934
1991		113	2330.30	120,663,647	66,677,426	65,397,792	1.8097	0.9808
1992		116	2376.79	129,836,670	66,694,378	57,521,355	1.9467	0.8625
1993		116	2410.53	109,010,201	64,077,980	84,904,449	1.7012	1.3250
1994		117	2471.04	102,263,355	62,220,930	68,967,776	1.6436	1.1084
1995		118	2526.39	89,545,533	62,994,481	75,712,303	1.4215	1.2019
1996		119	2614.71	62,993,508	70,289,831	96,841,856	0.8962	1.3778
1997	**	122	2740.46	NA	69,856,915	NA	0.0000	0.0000

Cities advanced \$10,354,625 from the 1997 and following apportionments which could be added to the amount that was spent in 1996.

\* The date for the unencumbered balance deduction was changed from June 30 to September 1. Effective September 1, 1986.

\*\* The date for the unencumbered balance deduction was changed from September 1 to December 31. Effective December 31, 1996.



**1996 ADEQUATE & DEFICIENT MILES FOR ALL CITIES**

<b>DISTRICT 1</b>			<b>PERCENT OF</b>
<b>MUNICIPALITY</b>	<b>ADEQUATE MILES</b>	<b>DEFICIENT MILES</b>	<b>TOTAL MILEAGE DEFICIENT</b>
CHISHOLM	3.88	3.80	49.48%
CLOQUET	7.36	12.42	62.79
DULUTH	24.64	81.28	76.74
GRAND RAPIDS	3.56	7.80	68.66
HERMANTOWN	8.40	4.59	35.33
HIBBING	19.06	31.68	62.44
INTERNATIONAL FALLS	2.49	5.57	69.11
VIRGINIA	<u>5.54</u>	<u>6.79</u>	<u>55.07</u>
<b>DISTRICT 1</b>	<b>74.93</b>	<b>153.93</b>	<b>67.26%</b>
<b>DISTRICT 2</b>			<b>PERCENT OF</b>
<b>MUNICIPALITY</b>	<b>ADEQUATE MILES</b>	<b>DEFICIENT MILES</b>	<b>TOTAL MILEAGE DEFICIENT</b>
BEMIDJI	6.18	8.17	56.93%
CROOKSTON	4.93	6.19	55.67
EAST GRAND FORKS	6.76	5.06	42.81
THIEF RIVER FALLS	<u>3.65</u>	<u>9.91</u>	<u>73.08</u>
<b>DISTRICT 2</b>	<b>21.52</b>	<b>29.33</b>	<b>57.68%</b>
<b>DISTRICT 3</b>			<b>PERCENT OF</b>
<b>MUNICIPALITY</b>	<b>ADEQUATE MILES</b>	<b>DEFICIENT MILES</b>	<b>TOTAL MILEAGE DEFICIENT</b>
BRAINERD	6.21	8.04	56.42%
BUFFALO	1.40	7.60	84.44
CAMBRIDGE	2.80	3.00	51.72
ELK RIVER	8.86	15.72	63.95
LITTLE FALLS	6.48	7.23	52.74
MONTICELLO	1.43	4.56	76.13
OTSEGO	2.18	10.90	83.33
SARTELL	0.29	6.87	95.95
SAUK RAPIDS	4.62	4.41	48.84
ST CLOUD	19.22	30.52	61.36
ST. MICHAEL	0.00	14.77	100.00
WAITE PARK	<u>3.25</u>	<u>3.20</u>	<u>49.61</u>
<b>DISTRICT 3</b>	<b>56.74</b>	<b>116.82</b>	<b>67.31%</b>
<b>DISTRICT 4</b>			<b>PERCENT OF</b>
<b>MUNICIPALITY</b>	<b>ADEQUATE MILES</b>	<b>DEFICIENT MILES</b>	<b>TOTAL MILEAGE DEFICIENT</b>
ALEXANDRIA	5.25	8.43	61.62%
DETROIT LAKES	5.79	3.75	39.31
FERGUS FALLS	6.33	15.53	71.04
MOORHEAD	11.20	16.98	60.26
MORRIS	<u>3.62</u>	<u>3.04</u>	<u>45.65</u>
<b>DISTRICT 4</b>	<b>32.19</b>	<b>47.73</b>	<b>59.72%</b>

MUNICIPALITY	METRO WEST		PERCENT OF TOTAL MILEAGE DEFICIENT
	ADEQUATE MILES	DEFICIENT MILES	
ANDOVER	14.60	19.39	57.05%
ANOKA	3.90	8.08	67.45
BLAINE	13.98	18.80	57.35
BLOOMINGTON	21.02	52.71	71.49
BROOKLYN CENTER	4.32	17.35	80.06
BROOKLYN PARK	17.86	27.47	60.60
CHAMPLIN	11.02	4.20	27.60
CHANHASSEN	5.07	16.46	76.45
CHASKA	2.93	10.72	78.53
COLUMBIA HEIGHTS	4.11	8.42	67.20
COON RAPIDS	21.04	16.63	44.15
CORCORAN	2.47	11.71	82.58
CRYSTAL	2.45	15.43	86.30
EAST BETHEL	14.13	10.51	42.65
EDEN PRAIRIE	16.75	26.01	60.83
EDINA	10.57	28.79	73.15
FRIDLEY	10.33	15.01	59.23
GOLDEN VALLEY	9.54	14.01	59.49
HAM LAKE	11.03	11.82	51.73
HOPKINS	2.57	6.84	72.69
LINO LAKES	2.30	13.27	85.23
MAPLE GROVE	20.29	21.06	50.93
MINNEAPOLIS	49.86	144.90	74.40
MINNETONKA	18.38	31.56	63.20
MOUND	2.30	5.75	71.43
NEW HOPE	2.58	10.12	79.69
OAK GROVE	3.89	15.12	79.54
ORONO	1.96	10.62	84.42
PLYMOUTH	22.62	26.22	53.69
PRIOR LAKE	4.15	11.02	72.64
RAMSEY	12.57	16.16	56.25
RICHFIELD	5.64	20.57	78.48
ROBBINSDALE	4.35	5.98	57.89
SAVAGE	5.12	9.57	65.15
SHAKOPEE	7.17	12.16	62.91
SHOREWOOD	0.55	8.74	94.08
SPRING LAKE PARK	4.32	0.91	17.40
ST ANTHONY	2.07	3.11	60.04
ST LOUIS PARK	<u>13.16</u>	<u>15.54</u>	<u>54.15</u>
METRO WEST	382.97	722.74	65.36%

DISTRICT 6			PERCENT OF
MUNICIPALITY	ADEQUATE MILES	DEFICIENT MILES	TOTAL MILEAGE DEFICIENT
ALBERT LEA	7.96	10.69	57.32%
AUSTIN	13.53	13.20	49.38
FARIBAULT	9.49	11.91	55.65
NORTHFIELD	4.49	6.76	60.09
OWATONNA	7.31	10.26	58.39
RED WING	5.95	16.64	73.66
ROCHESTER	21.76	33.44	60.58
WINONA	<u>7.78</u>	<u>13.97</u>	<u>64.23</u>
DISTRICT 6	78.27	116.87	59.89%

DISTRICT 7			PERCENT OF
MUNICIPALITY	ADEQUATE MILES	DEFICIENT MILES	TOTAL MILEAGE DEFICIENT
FAIRMONT	4.40	14.98	77.30%
MANKATO	11.68	19.99	63.12
NEW ULM	6.06	8.09	57.17
NORTH MANKATO	7.12	4.74	39.97
ST PETER	3.77	6.82	64.40
WASECA	3.76	2.55	40.41
WORTHINGTON	<u>2.64</u>	<u>7.17</u>	<u>73.09</u>
DISTRICT 7	39.43	64.34	62.00%

DISTRICT 8			PERCENT OF
MUNICIPALITY	ADEQUATE MILES	DEFICIENT MILES	TOTAL MILEAGE DEFICIENT
GLENCOE	0.88	6.06	87.32%
HUTCHINSON	5.87	8.86	60.15
LITCHFIELD	2.17	5.89	73.08
MARSHALL	6.88	5.85	45.95
MONTEVIDEO	3.84	4.24	52.48
REDWOOD FALLS	2.13	5.74	72.94
WILLMAR	<u>12.40</u>	<u>11.51</u>	<u>48.14</u>
DISTRICT 8	34.17	48.15	58.49%

MUNICIPALITY	METRO EAST		PERCENT OF TOTAL MILEAGE DEFICIENT
	ADEQUATE MILES	DEFICIENT MILES	
APPLE VALLEY	17.61	13.64	43.65%
ARDEN HILLS	3.90	2.67	40.64
BURNSVILLE	25.83	17.86	40.88
COTTAGE GROVE	15.36	13.96	47.61
EAGAN	31.10	13.21	29.81
FALCON HEIGHTS	2.42	0.12	4.72
FARMINGTON	1.42	9.23	86.67
FOREST LAKE	0.42	5.11	92.41
HASTINGS	10.07	6.55	39.41
HUGO	2.68	12.53	82.38
INVER GROVE HEIGHTS	8.31	16.35	66.30
LAKE ELMO	5.37	4.16	43.65
LAKEVILLE	13.50	28.18	67.61
LITTLE CANADA	2.17	4.60	67.95
MAHTOMEDI	2.00	2.55	56.04
MAPLEWOOD	6.47	12.54	65.97
MENDOTA HEIGHTS	5.43	8.08	59.81
MOUNDS VIEW	3.34	6.48	65.99
NEW BRIGHTON	3.39	10.78	76.08
NORTH BRANCH	0.00	15.64	100.00
NORTH ST PAUL	2.70	7.98	74.72
OAKDALE	8.00	8.72	52.15
ROSEMOUNT	7.54	13.80	64.67
ROSEVILLE	15.12	13.58	47.32
SHOREVIEW	9.30	5.45	36.95
SOUTH ST PAUL	6.68	8.04	54.62
ST PAUL	53.82	105.76	66.27
STILLWATER	6.57	6.23	48.67
VADNAIS HEIGHTS	4.77	2.09	30.47
WEST ST PAUL	6.73	5.39	44.47
WHITE BEAR LAKE	7.76	12.27	61.26
WOODBURY	<u>16.61</u>	<u>20.39</u>	<u>55.11</u>
METRO EAST	306.39	413.94	57.47%
STATE TOTAL	1026.61	1713.85	62.54%
1995 TOTAL	998.39	1616.32	61.82%
DIFFERENCE	28.22	97.53	0.72%

**1996 NEEDS TURNBACK MILEAGE**

TRUNK HIGHWAY TURNBACK - TURNBACKS SINCE JULY 1,1965. MILEAGE OF TRUNK HIGHWAY TURNBACKS ELIGIBLE FOR TURNBACK FUNDING ARE NOT RECEIVING NEEDS.

COUNTY HIGHWAY TURNBACK - TURNBACKS SINCE APRIL 11,1994

MUNICIPALITY	LENGTH OF THTB'S	CONST. NEEDS OF THTB'S	LENGTH OF CSAH TB'S	CONST. NEEDS OF CSAH TB'S	LENGTH OF CR TB'S	CONST. NEEDS OF CR TB'S
ALBERT LEA	1.36	\$434,062				
ALEXANDRIA						
ANDOVER						
ANOKA	0.41	89,826				
APPLE VALLEY						
ARDEN HILLS			0.24	\$24,972	0.92	\$105,611
AUSTIN	4.70	6,356,647				
BEMIDJI	1.20	1,228,752				
BLAINE						
BLOOMINGTON	0.71	1,053,347				
BRAINERD						
BROOKLYN CENTER	0.52	50,784				
BROOKLYN PARK	4.48	350,692				
BUFFALO						
BURNSVILLE						
CAMBRIDGE						
CHAMPLIN	0.62	90,704				
CHANHASSEN	0.60	112,228				
CHASKA						
CHISHOLM	0.72	44,109				
CLOQUET	1.74	0				
COLUMBIA HEIGHTS			0.88	486,408		
COON RAPIDS	1.44	1,811,234				
CORCORAN						
COTTAGE GROVE						
CROOKSTON	1.58	6,122,940				
CRYSTAL						
DETROIT LAKES						
DULUTH	27.63	5,878,963				
EAGAN	0.72	796,970				

MUNICIPALITY	LENGTH OF THTB'S	CONST. NEEDS OF THTB'S	LENGTH OF CSAH TB'S	CONST. NEEDS OF CSAH TB'S	LENGTH OF CR TB'S	CONST. NEEDS OF CR TB'S
EAST BETHEL						
EAST GRAND FORKS	2.39	\$352,942				
EDEN PRAIRIE	2.14	1,314,001				
EDINA						
ELK RIVER	1.24	282,784				
FAIRMONT	5.84	5,758,311				
FALCON HEIGHTS						
FARIBAULT	2.39	1,980,910				
FARMINGTON						
FERGUS FALLS	7.45	1,614,352				
FOREST LAKE						
FRIDLEY						
GLENCOE						
GOLDEN VALLEY						
GRAND RAPIDS						
HAM LAKE						
HASTINGS	1.26	161,433				
HERMANTOWN						
HIBBING	2.72	650,988				
HOPKINS						
HUGO						
HUTCHINSON			1.99	\$1,621,694	1.06	\$528,606
INTERNATIONAL FALLS						
INVER GROVE HEIGHTS					3.57	3,879,512
LAKE ELMO						
LAKEVILLE			5.14	4,535,886	0.74	681,948
LINO LAKES						
LITCHFIELD						
LITTLE CANADA			0.90	783,837	0.05	41,801
LITTLE FALLS	3.12	2,585,184				

MUNICIPALITY	LENGTH OF THTB'S	CONST. NEEDS OF THTB'S	LENGTH OF CSAH TB'S	CONST. NEEDS OF CSAH TB'S	LENGTH OF CR TB'S	CONST. NEEDS OF CR TB'S
MAHTOMEDI						
MANKATO	6.41	\$4,566,727				
MAPLE GROVE	0.50	93,071				
MAPLEWOOD			0.57	\$433,617		
MARSHALL	1.44	352,087				
MENDOTA HEIGHTS						
MINNEAPOLIS	2.72	1,241,845				
MINNETONKA						
MONTEVIDEO						
MONTICELLO						
MOORHEAD	2.99	1,987,682				
MORRIS						
MOUND						
MOUNDS VIEW			1.71	1,475,582	0.24	\$27,228
NEW BRIGHTON					0.33	222,300
NEW HOPE						
NEW ULM	0.57	503,064				
NORTH BRANCH						
NORTH MANKATO	1.90	1,623,993				
NORTH ST PAUL			0.13	100,527	2.60	2,097,366
NORTHFIELD	0.80	315,119				
OAK GROVE						
OAKDALE						
ORONO						
OTSEGO						
OWATONNA						
PLYMOUTH						
PRIOR LAKE						
RAMSEY						
RED WING					0.50	585,599

MUNICIPALITY	LENGTH OF THTB'S	CONST. NEEDS OF THTB'S	LENGTH OF CSAH TB'S	CONST. NEEDS OF CSAH TB'S	LENGTH OF CR TB'S	CONST. NEEDS OF CR TB'S
REDWOOD FALLS						
RICHFIELD						
ROBBINSDALE						
ROCHESTER						
ROSEMOUNT			3.30	\$2,111,040		
ROSEVILLE			1.93	1,523,492	3.27	\$2,504,951
ST ANTHONY						
ST CLOUD	5.69	\$783,608				
ST MICHAEL						
ST LOUIS PARK					2.86	1,308,342
ST PAUL	8.22	20,163,414				
ST PETER	2.28	2,478,157				
SARTELL						
SAUK RAPIDS	1.02	940,839				
SAVAGE						
SHAKOPEE					0.67	84,486
SHOREVIEW						
SHOREWOOD						
SOUTH ST PAUL	0.61	68,632				
SPRING LAKE PARK						
STILLWATER						
THIEF RIVER FALLS					2.09	3,496,750
VADNAIS HEIGHTS						
VIRGINIA	1.66	1,805,178				
WAITE PARK	0.51	60,326				
WASECA						
WEST ST PAUL						
WHITE BEAR LAKE			0.21	163,460	1.48	1,404,088
WILLMAR	4.75	2,181,686				
WINONA						
WOODBURY						
WORTHINGTON						
<b>TOTAL</b>	<b>119.05</b>	<b>\$78,287,591</b>	<b>17.00</b>	<b>\$13,260,515</b>	<b>20.38</b>	<b>\$16,968,588</b>



CURRENT RESOLUTIONS  
OF THE  
MUNICIPAL SCREENING BOARD

October 1996

BE IT RESOLVED:

ADMINISTRATION

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

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

Screening Board Chairman and Vice Chairman - June 1987

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

Screening Board Secretary - Oct. 1961

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

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

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

Appointment to Unencumbered Construction Funds Subcommittee - Revised June 1979

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

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

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

Screening Board Meeting Dates and Locations - June 1996

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

Research Account - Oct. 1961

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

Be it resolved that an amount of \$453,703 (not to exceed 1/2 of 1% of the 1996 MSAS Apportionment sum of \$90,740,650) shall be set aside from the 1997 Apportionment fund and be credited to the research account.

Soil Type - Oct. 1961

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

Improper Needs Report - Oct. 1961

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

New Cities Needs - Oct. 1983

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

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

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

Construction Accomplishments - Oct. 1988 (Revised June 1993)

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

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

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

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

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

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

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

#### Population Apportionment - October 1994

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

#### DESIGN

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

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

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

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

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

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

##### Miscellaneous Limitations - Oct. 1961

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

#### MILEAGE

Feb. 1959 (Revised Oct. 1994)

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

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

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

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

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

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

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

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

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

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

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 between 26 feet and 49 feet wide as one-half of the mileage as outlined in Rule 8820.9940 and allow complete needs, except that no more than one parking lane will be eligible to accrue needs. When Trunk Highway or County Highway Turnback is used as part of a one way pair, mileage for certification shall only be included as trunk Highway or County Turnback mileage and not as provided for in the preceding paragraph.

## NEEDS COST

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

Right of Way (Needs only) \$ 60,000.00 Acre

Grading (Excavation) \$ 3.00 Cu. Yd.

Base:

Class 4	Spec. #2211	\$ 4.70 Ton
Class 5	Spec. #2211	6.20 Ton
Bituminous	Spec. #2331	20.50 Ton

Surface:

Bituminous	Spec. #2331	\$ 20.50 Ton
Bituminous	Spec. #2341	23.60 Ton
Bituminous	Spec. #2361	30.10 Ton

Shoulders:

Gravel	Spec. #2221	\$ 8.50 Ton
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Miscellaneous:

Storm Sewer Construction	\$229,700.00 Mile
Storm Sewer Adjustment	71,200.00 Mile
Special Drainage-Rural	28,490.00 Mile
Traffic Signals	20,000 to 80,000.00 Mile

### Signal Needs Based On Projected Traffic

Projected Traffic	Percentage	X Unit Price =	Needs Per Mile
0 - 4,999	.25	\$80,000 =	\$ 20,000.00 Mile
5,000 - 9,999	.50	\$80,000 =	40,000.00 Mile
10,000 & Over	1.00	\$80,000 = 80,000.00 Mile	

Street Lighting	20,000.00 Mile
Curb & Gutter Construction	6.00 Lin. Ft.
Sidewalk Construction	16.50 Sq. Yd.
Engineering	18%

Removal Items:

Curb & Gutter	\$ 1.80 Lin. Ft.
Sidewalk	4.75 Sq. Yd.
Concrete Pavement	4.20 Sq. Yd.
Tree Removal	175.00 Unit

## STRUCTURES

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

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

Bridges 0 to 149 Ft.	\$ 55.00 Sq. Ft.
Bridges 150 to 499 Ft.	55.00 Sq. Ft.
Bridges 500 & Over	55.00 Sq. Ft.

"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 that is eligible for State Aid reimbursement for a 15-year period." This directive to exclude all Federal or State grants.

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

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

#### Railroad Over Highway

Number of Tracks - 1	\$5,000 Lin. Ft.
Each Additional Track	\$4,000 Lin. Ft.

## RAILROAD CROSSINGS

### Railroad Crossing Costs - (Revised Annually)

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

#### Railroad Grade Crossings

Signals - (Single track - low speed)	\$ 80,000 Unit
Signals and Gates(Multiple Track - high	\$110,000 Unit
Signs Only & (low speed)	\$ 800 Unit
Rubberized Railroad Crossings (Per Track)	\$ 750 Lin. Ft.
Pavement Marking	\$ 750 Unit

Maintenance Needs Costs - June 1992 (Revised 1993)

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

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



## NEEDS ADJUSTMENTS

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

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

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

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

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

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

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

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

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)

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 years.
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. Some deviations from the present four-year counting cycle shall be permitted during the interim period of conversion to counting by State forces in the outstate area.

David R Olson 101  
Albert Lea City Engineer  
221 East Clark Street  
Albert Lea MN 56007  
PHONE: 8 (507) 377-4325  
FAX: (507)377-4336  
DIST: M. Pinsonneault, Dist. 6

Scott Erickson 198  
Andover City Engineer  
1685 Crosstown Blvd NW  
Andover MN 55304  
PHONE: 9-755-5100  
FAX: (612)755-8923  
DIST: R. Brown, Metro Division

Keith Gordon 186  
Apple Valley City Engineer  
Bonestroo Rosene & Assoc  
2335 West TH 36  
St Paul MN 55113  
PHONE: 9-953-2590  
FAX: (612)953-2515  
DIST: R. Brown, Metro Division

Jon W Erichson 104  
Austin City Engineer  
500 4th Avenue NE  
Austin MN 55912  
PHONE: 8 (507) 437-7674  
FAX: (507)437-7101  
DIST: M. Pinsonneault, Dist. 6

Charles Lenthe 106  
Blaine City Engineer  
9150 Central Ave NE  
Blaine MN 55434  
PHONE: 9-784-6700  
FAX: (612)785-6139  
DIST: R. Brown, Metro Division

Jeff Hulsether 108  
Brainerd City Engineer  
City Hall  
Brainerd MN 56401  
PHONE: 8 (218) 828-2309  
FAX: (218)828-2316  
DIST: M. Tardy, Dist. 3

Timothy Schoonhoven 102  
Alexandria City Engineer  
Widseth Smith Nolting  
2504 Aga Drive  
Alexandria MN 56308  
PHONE: 8 (320) 762-8149  
FAX: (320) 762-0263  
DIST: T. Johnson, Dist. 4

Ray Schultz 103  
Anoka Public Works Director  
2015 1st Avenue North  
City Hall  
Anoka MN 55303  
PHONE: 9-421-6630  
FAX: 9-421-8246  
DIST: R. Brown, Metro Division

Greg Stonehouse 187  
Arden Hills City Engineer  
Maier Stewart & Assoc Inc  
1326 Energy Park Drive  
St Paul MN 55108-5202  
PHONE: 9-644-4389  
FAX: 9-644-9446  
DIST: R. Brown, Metro Division

Joe Forbes 105  
Bemidji City Engineer  
401 Minnesota Avenue  
Bemidji MN 56601  
PHONE: 8 (218) 759-3576  
FAX: (218)759-3590  
DIST: Lou Tasa, Dist. 2

Ronald Rudrud 107  
Bloomington City Engineer  
2215 W Old Shakopee Rd  
Bloomington MN 55431  
PHONE: 9-948-3860  
FAX: (612)948-3868  
DIST: R. Brown, Metro Division

Scott Brink 109  
Brooklyn Center City Engineer  
6301 Shingle Creek Parkway  
Brooklyn Center MN 55430  
PHONE: 9-569-3300  
FAX: (612)561-0717  
DIST: R. Brown, Metro Division

George Calebaugh 110  
Brooklyn Pk City Engr (Actg)  
City of Brooklyn Park  
100 85th Ave No  
Brooklyn Park MN 55443  
PHONE: 9-424-8000  
X: (612)493-8391  
ST: R. BROWN, Metro Division

Chuck Ahl 179  
Burnsville City Engineer  
City of Burnsville  
100 Civic Center Parkway  
Burnsville MN 55337-3817  
PHONE: 9-895-4400  
X: (612)895-4404  
ST: R. BROWN, Metro Division

Chuck Bittle 193  
Champlin City Engineer  
955 Champlin Drive  
Champlin MN 55316  
PHONE: 9-421-1955  
X: (612)421-5256  
ST: R. Brown, Metro Division

Bill Monk 196  
Maska City Engineer  
City Hall Plaza  
Maska MN 55318-1962  
PHONE: 9-448-2851  
X: 9-448-9300  
ST: R. Brown, Metro Division

James R Prusak 112  
Cloquet City Engineer  
Cloquet City Hall  
107 Cloquet Avenue  
Cloquet MN 55720  
PHONE: 8 (218) 879-6758  
X: (218) 879-6555  
ST: W. Croke, Dist. 1

William R Ottensmann 114  
Mason Rapids City Engineer  
155 Robinson Dr  
Mason Rapids MN 55433  
PHONE: 9-755-2880 & 767-6479  
X: (612)767-6573  
ST: R. Brown, Metro Division

Curt Kreklau 213  
Buffalo City Engineer  
Buffalo City Hall  
212 Central Avenue  
Buffalo MN 55313  
PHONE: (612) 682-1181  
FAX: (612)682-6376  
DIST: M. Tardy, Dist 3

Todd Blank 218  
Cambridge City Engr  
SEH  
3534 Vadnais Center Dr #200  
St Paul MN 55110  
PHONE: (612) 490-2000  
FAX: (612) 490-2150  
DIST: M. Tardy, Dist. 3

Charles D Folch 194  
Chanhassen City Engineer  
690 Coulter Drive  
Box 147  
Chanhassen MN 55317  
PHONE: 9-937-1900  
FAX: (612)937-5739  
DIST: R. Brown, Metro Division

David Mattei 111  
Chisholm City Engineer  
Benchmark Engineering  
Box 369  
Chisholm MN 55719  
PHONE: 8 (218) 254-5793  
FAX: (218)254-5795  
DIST: W. Croke, Dist. 1

Mark Winson 113  
Columbia Hts City Engr  
637 38th Avenue NE  
Columbia Heights MN 55421  
PHONE: 9-782-2882  
FAX: (612)782-2875  
DIST: B. BROWN, Metro Division

Gregory A Gappa 215  
Corcoran City Engineer  
MSA Consulting Engineers  
1326 Energy Park Drive  
St Paul MN 55109-5202  
PHONE: 9-644-4389  
FAX: 9-644-9446  
DIST: R. Brown, Metro Division

=====

Jerry Bourden 180  
Cottage Grove City Engineer  
Bonestroo Rosene & Assoc  
2335 West TH 36  
St Paul MN 55113  
PHONE: 9-636-4600  
FAX: (612)636-1311  
DIST: R. Brown, Metro Division

Tom Mathison 116  
Crystal City Engineer  
4141 Douglas Dr North  
Crystal MN 55422  
PHONE: 9-531-1000, -1160  
FAX: (612)531-1188  
DIST: R. Brown, Metro Division

Dean Behman 118  
Duluth City Engr (Acting)  
Room 211 City Hall  
Duluth MN 55802  
PHONE: 8 (218) 723-3278  
FAX: (218)723-3374  
DIST: W. Croke, Dist. 1

Mark Graham 203  
East Bethel City Engineer  
Maier Stewart & Assoc  
1326 Energy Park Drive  
St Paul MN 55108-5202  
PHONE: 9-644-4389  
FAX: 9-644-9446  
DIST: R. Brown, Metro Division

Alan Gray 181  
Eden Prairie City Engineer  
8080 Mitchell Road  
Eden Prairie MN 55344-2230  
PHONE: 9-949-8300  
FAX: (612) 949-8326  
DIST: R. Brown, Metro Division

Terry Maurer 204  
Elk River City Engineer  
Maier Stewart & Assoc  
1326 Energy Park Drive  
St Paul MN 55108-5202  
PHONE: 9-644-4389  
FAX: 9-644-9446  
DIST: M. Tardy, Dist. 3

David Kildahl 115  
Crookston City Engineer  
216 South Main Street  
PO Box 458  
Crookston MN 56716  
PHONE: 8 (218) 281-6522  
FAX: (218)281-6545  
DIST: Lou Tasa, Dist. 2

Gary Nansen 117  
Detroit Lakes City Engineer  
Larson Peterson & Assoc  
522 W Main PO Box 150  
Detroit Lakes MN 56501  
PHONE: 8 (218) 847-5607  
FAX: 8 (218) 847-2791  
DIST: T. Johnson, Dist. 4

Tom Colbert 195  
Eagan Public Works Director  
City of Eagan  
3830 Pilot Knob Road  
Eagan MN 55122  
PHONE: 9-681-4600  
FAX: (612)681-4694  
DIST: R. Brown, Metro Division

Gary Sanders 119  
East Grand Forks City Engineer  
PO Box 385  
East Grand Forks MN 56721  
PHONE: 8 (218) 773-1185  
FAX: (218)773-3348  
DIST: Lou Tasa, Dist. 2

Francis J Hoffman 120  
Edina City Engineer  
4801 West 50th Street  
Edina MN 55424  
PHONE: 9-927-8861  
FAX: (612)927-7645  
DIST: R. Brown, Metro Division

Larry Read 123  
Fairmont City Engineer  
100 Downtown Plaza  
Box 751  
Fairmont MN 56031  
PHONE: 8 (507) 238-9461  
FAX: (507)238-9469  
DIST: D. Haeder, Dist. 7

erry Maurer 124  
alcon Heights City Engineer  
aier Stewart & Assoc  
326 Energy Park Drive  
t Paul MN 55108-5202  
PHONE: 9-644-4389  
AX: (612) 644-9446  
IST: R. Brown, Metro Division

omas Kaldunski 212  
armington City Engineer  
25 Oak Street  
armington MN 55024  
PHONE: 9-463-7111  
AX: (612) 463-2591  
IST: R. Brown, Metro Division

ohn M Powell 214  
orest Lake City Engineer  
500 Piper Jaffray Plaza  
14 Cedar Street  
t Paul MN 55101-2140  
PHONE: 9-292-4400  
AX: (612) 292-0083  
IST: R. Brown, Metro Division

uglas A Parrott 226  
lenco City Engineer  
CM 217 N 3rd St  
Box 776  
aylord MN 55334-0776  
PHONE: (507) 237-2924  
AX: (507) 237-5516

avid C Halter 129  
rand Rapids City Engineer  
Box 867  
20 North Pokegama Ave  
rand Rapids MN 55744  
PHONE: 8 (218) 326-7602  
AX: (218) 326-7608  
IST: W. Croke, Dist. 1

ian Bleskachek 130  
astings City Engineer  
00 Sibley Street  
astings MN 55033  
PHONE: 9-437-4127  
AX: (612) 437-7082  
IST: R. Brown, Metro Division

Daniel Behrens 125  
Faribault City Engineer  
208 NW 1st Avenue  
Faribault MN 55021-5105  
PHONE: 8 (507) 334-2222  
FAX: (507) 334-0124  
DIST: M. Pinsonneault, Dist. 6

Daniel Edwards 126  
Fergus Falls City Engineer  
City Hall PO Box 868  
Fergus Falls MN 56537  
PHONE: 8 (218) 739-2251  
FAX: (218) 739-0149  
DIST: T. Johnson, Dist. 4

John G Flora 127  
Fridley Public Works Director  
6431 University Avenue NE  
Fridley MN 55432  
PHONE: 9-571-3450  
FAX: (612) 571-1287  
DIST: R. Brown, Metro Division

Fredrick Salsbury 128  
Golden Valley City Engineer  
7800 Golden Valley Rd  
Golden Valley MN 55427  
PHONE: 9-545-3781  
FAX: (612) 593-8109  
DIST: R. Brown, Metro Division

Julian Fenendal 197  
Ham Lake City Engineer  
RFC Engineering Inc  
2179 4th St Suite 3A  
White Bear Lake MN 55110  
PHONE: 9-429-5576  
FAX: 9-429-7561  
DIST: R. Brown, Metro Division

David Salo 202  
Hermantown City Engineer  
Salo Engineering  
15 East First Street  
Duluth MN 55802  
PHONE: (218) 727-8796  
FAX: (218) 727-0126  
DIST: W. Croke, Dist. 1

John Suihkonen 131  
Hibbing City Engineer  
City Hall  
Hibbing MN 55746  
PHONE: 8 (218) 262-3486  
FAX: (218)262-2308  
DIST: W. Croke, Dist. 1

James Gessele 132  
Hopkins City Engineer  
1010 First Street South  
Hopkins MN 55343  
PHONE: 9-935-8474  
FAX: 9-939-1381  
DIST: R. Brown, Metro Division

Tom Angus 224  
Hugo City Engineer  
OSM 300 Park Place Center  
5775 Wayzata Blvd  
Minneapolis MN 55416-1228  
PHONE: (612) 595-5695  
FAX: (612) 595-5774  
DIST: R. Brown, Metro Division

John Rodeberg 133  
Hutchinson City Engineer  
111 Hassan Street SE  
Hutchinson MN 55350-2522  
PHONE: 8 (320) 234-4208  
FAX: (320) 234-4240  
DIST: T. Behm, Dist. 8

Joe Sutherland 134  
Intl Falls City Engineer  
City Hall  
P O Box 392  
Intl Falls MN 56649  
PHONE: (218) 283-3261  
FAX: (218) 283-3590  
DIST: W. Croke, Dist. 1

Gary Johnson 178  
Inver Grove Hts Dir of Pub Wks  
City of Inver Grove Hts  
8150 Barbara Avenue  
Inver Grove Hts MN 55077  
PHONE: 9-450-2500  
FAX: (612)450-2502  
DIST: R. Brown, Metro Division

Thomas D Prew 206  
Lake Elmo City Engineer  
1500 Piper Jaffray Plaza  
444 Cedar Street  
St Paul MN 55101  
PHONE: 9-292-4590  
FAX: (612)292-0083  
DIST: R. Brown, Metro Division

Keith H Nelson 188  
Lakeville City Engineer  
20195 Holyoke Ave West  
Lakeville MN 55044-9047  
PHONE: 9-985-4501 985-4540  
FAX: (612) 985-4499  
DIST: R. Brown, Metro Division

Dave Ahrens 210  
Lino Lakes City Engineer  
1189 Main Street  
Lino Lakes MN 55012  
PHONE: 9-464-5562  
FAX: 464-4568  
DIST: R. Brown, Metro Division

Daniel Sarff 135  
Litchfield City Engineer  
Bolton & Menk Inc  
322 4th St SW PO Box 895  
Willmar MN 56201-0895  
PHONE: 8 (320) 231-3956  
FAX: (320) 231-9710  
DIST: T. Behm, Dist. 8

Mike Lynch 200  
Little Canada City Engineer  
Bonestroo Rosene & Assoc  
2335 West TH 36 Suite 703  
Roseville MN 55113  
PHONE: 9-636-4600  
FAX: 9-636-1311  
DIST: R. Brown, Metro Division

Donald Anderson 136  
Little Falls City Engineer  
Widseth Smith Nolting Inc  
PO Box 765  
Brainerd MN 56401  
PHONE: 8 (218) 829-5117  
FAX: (218)829-2517  
DIST: M. Tardy, Dist. 3



=====  
irk Roessler 219  
ahtomedi City Engineer  
aier Stewart & Assoc  
326 Energy Park Dr  
Paul MN 55108-5202  
PHONE: (612) 644-4389  
AX: (612) 644-9446  
IST: R. Brown, Metro Division

en Ashfeld 189  
ple Grove City Engineer  
101 Fernbrook Lane  
ple Grove MN 55369  
PHONE: 9-494-6000  
AX: (612) 494-6420  
IST: R. Brown, Metro Division

with A Nelson 139  
arshall City Engineer  
14 West Main Street  
Box 477  
arshall MN 56258  
PHONE: 8 (507) 537-6774  
AX: (507) 537-6830  
IST: T. Behm, Dist. 8

avid J Sonnenberg 141  
nneapolis City Engineer  
oom 203 City Hall  
50 South Fifth Street  
nneapolis MN 55415  
PHONE: 9-673-2443  
AX: (612) 673-3565  
IST: R. Brown, Metro Division

omas N Rodeberg 143  
ontevideo City Engineer  
03 Canton Avenue  
Box 676  
ontevideo MN 56265  
PHONE: 8 (320) 269-6575  
AX: 8 (320) 269-9340  
IST: T. Behm, Dist. 8

erbert D Reimer 144  
orhead City Engineer  
ox 779  
orhead MN 56560  
PHONE: 8 (218) 299-5390  
AX: (218) 299-5399  
IST: T. Johnson, Dist. 4

Ken Saffert 137  
Mankato City Engineer  
202 East Jackson St  
P O Box 3368  
Mankato MN 56002-3368  
PHONE: 8 (507) 387-8631  
FAX: (507) 387-8642  
DIST: D. Haeder, Dist. 7

Ken Haider 138  
Maplewood Dir of Public Works  
City of Maplewood  
1830 East County Road B  
St Paul MN 55109  
PHONE: 9-770-4552  
FAX: (612) 770-4506  
DIST: R. Brown, Metro Division

James E Danielson 140  
Mendota Heights Dir of Pub Wks  
City of Mendota Heights  
1101 Victoria Curve  
Mendota Heights MN 55118  
PHONE: 9-452-1086  
FAX: (612) 452-2995  
DIST: R. Brown, Metro Division

Lee Gustafson 142  
Minnetonka City Engineer  
14600 Minnetonka Blvd  
Minnetonka MN 55345-1597  
PHONE: 9-939-8200  
FAX: (612) 939-8244  
DIST: R. Brown, Metro Division

Bret Weiss 222  
Monticello City Engineer  
WSB & Assc-350 Westwood Lk Off  
8441 Wayzata Blvd  
Minneapolis MN 55426  
PHONE: (612) 541-4800  
FAX: (612) 541-1700  
DIST: M. Tardy, Dist. 3

Timothy E Bayerl 190  
Morris City Engineer  
Widseth Smith Nolting Inc  
2504 Aga Drive  
Alexandria MN 56308  
PHONE: 8 (320) 762-8149  
FAX: (320) 762-0263  
DIST: T. Johnson, Dist. 4

=====

Jeffery J Roos 145  
Mound City Engineer  
McCombs Frank Roos Assoc  
15050 23rd Ave No  
Minneapolis MN 55447  
PHONE: 9-476-6010  
FAX: (612)476-8532  
DIST: R. Brown, Metro Division

Leslie Proper 147  
New Brighton City Engineer  
803 5th Avenue NW  
New Brighton MN 55112  
PHONE: (612)638-2050  
FAX: (612)638-2044  
DIST: R. Brown, Metro Division

Steven P. Koehler 148  
New Ulm City Engineer  
City Hall  
100 North Broadway  
New Ulm MN 56073  
PHONE: 8 (507) 359-8245  
FAX: (507)359-9752  
DIST: D. Haeder, Dist. 7

David Kotilinek 151  
No St Paul City Engineer  
2526 East 7th Avenue  
North St Paul MN 55109  
PHONE: 9-770-4463  
FAX: 9-770-9099  
DIST: R. Brown, Metro Division

Jim Johnson 149  
Northfield City Engr (Acting)  
801 Washington Street  
Northfield MN 55057  
PHONE: 8 (507) 645-8832  
FAX: (507)645-3055  
DIST: M. Pinsonneault, Dist. 6

Brian Bachmeier 185  
Oakdale City Engineer  
1584 Hadley Ave No  
Oakdale MN 55128  
PHONE: 9-739-5086  
FAX: (612)730-2820  
DIST: R. Brown, Metro Division

Steve Campbell 146  
Mounds View City Engineer  
Short Elliott Hendrickson  
3535 Vadnais Center Drive  
Vadnais Heights MN 55110  
PHONE: 9-490-2000  
FAX: (612)490-2150  
DIST: R. Brown, Metro Division

Mark Hanson 182  
New Hope City Engineer  
Bonestroo Rosene & Assoc  
2335 West TH 36  
St Paul MN 55113  
PHONE: 9-636-4600  
FAX: (612)636-1311  
DIST: R. Brown, Metro Division

John Rippke 150  
No Mankato City Engineer  
Bolton and Menk  
515 No Riverfront Dr  
Mankato MN 56001  
PHONE: 8-507-625-4171  
FAX: (507)625-4177  
DIST: D. Haeder, Dist. 7-Mankato

Julie Dresel 225  
North Branch City Engineer  
1356 Main Street  
North Branch MN 55056  
PHONE: (612) 674-8113  
FAX: (612) 674-8262  
DIST: R. Brown, Metro Division

John Stewart 223  
Oak Grove City Engineer  
Maier Stewart & Assoc  
1326 Energy Park Dr  
St Paul MN 55108-5202  
PHONE: 612-644-4389  
FAX: 612-644-9446  
DIST: R. Brown, Metro Division

Glenn R Cook 152  
Orono City Engineer  
Bonestroo Rosene & Assoc  
2335 West TH 36  
St Paul MN 55113  
PHONE: 9-636-4600  
FAX: (612)473-0510  
DIST: R. Brown, Metro Division

=====

Harry Koshak 217  
Esego City Engineer  
Akanson Anderson & Assoc  
501 Thurston Ave  
Moka MN 55303-1063  
PHONE: 8 (612) 427-5860  
FAX: 8 (612) 441-8823  
DIST: M. Tardy, Dist. 3

Red G Moore 155  
Plymouth Dir of Public Works  
100 Plymouth Boulevard  
Plymouth MN 55447  
PHONE: 9-509-5000  
FAX: (612) 509-5060  
DIST: R. Brown, Metro Division

Steve Jankowski 199  
Ramsey City Engineer  
5153 Nowthen Blvd  
Ramsey MN 55303  
PHONE: 9-427-1410  
FAX: (612) 427-5543  
DIST: R. Brown, Metro Division

Don Mannz 207  
Edwood Falls City Engineer  
Box 10  
Edwood Falls MN 56283-0010  
PHONE: (507) 637-5755  
FAX: (507) 637-2417

Maria A D'Andrea 158  
Robbinsdale City Engineer  
221 Lake Road Avenue  
Robbinsdale MN 55422-1898  
PHONE: (612) 537-4534  
FAX: (612) 537-7344  
DIST: R. Brown, Metro Division

Henry Osmundson 208  
Rosemount City Engineer  
Box 510  
375 145th Street West  
Rosemount MN 55068  
PHONE: 9-423-4411  
FAX: (612) 423-5203  
DIST: R. Brown, Metro Division

Arnold A Putnam 153  
Owatonna City Engineer  
540 West Hills Circle  
Owatonna MN 55060  
PHONE: 8 (507) 451-4541  
FAX: (507) 451-9194  
DIST: M. Pinsonneault, Dist. 6

Greg Ilkka 201  
Prior Lake City Engineer  
16200 Eagle Creek Ave SE  
Prior Lake MN 55372  
PHONE: 9-447-4230  
FAX: (612) 447-4263  
DIST: R. Brown, Metro Division

Thomas Drake 156  
Red Wing City Engineer  
315 West 4th Street  
PO Box 34 City Hall  
Red Wing MN 55066  
PHONE: 9-227-6220  
FAX: (612) 388-9608  
DIST: M. Pinsonneault, Dist. 6

Michael J Eastling 157  
Richfield City Engineer  
6700 Portland Avenue  
Richfield MN 55423  
PHONE: 9-861-9792  
FAX: (612) 861-9749  
DIST: R. Brown, Metro Division

Richard Freese 159  
Rochester City Engineer  
201 4th St SE  
Rochester MN 55904  
PHONE: 8 (507) 287-7800  
FAX: (507) 281-6216  
DIST: M. Pinsonneault, Dist. 6

Karl Keel 160  
Roseville City Engineer  
2660 Civic Center Drive  
Roseville MN 55113  
PHONE: 9-490-2200  
FAX: (612) 490-2275  
DIST: R. Brown, Metro Division

Sidney Williamson 220  
Sartell City Engineer  
BWK Inc  
2008 8th St No  
St Cloud MN 56303  
PHONE: 8 (320) 251-4553  
FAX: 8 (320) 251-6252  
DIST: M. Tardy, Dist. 3

Dave Hutton 211  
Savage City Engineer  
6000 McColl Drive  
Savage MN 55378  
PHONE: 9-882-2670  
FAX: (612)882-2656  
DIST: R. Brown, Metro Division

Mark Maloney 167  
Shoreview Public Works Dir.  
City of Shoreview  
4600 No Victoria St  
Shoreview MN 55126  
PHONE: 9-490-4650  
FAX: (612)490-4699  
DIST: R. Brown, Metro Division

John Sachi 168  
So St Paul City Engineer  
125 Third Ave No  
South St Paul MN 55075  
PHONE: 9-450-8704  
FAX: (612)450-5447  
DIST: R. Brown, Metro Division

Paul Blum 161  
St Anthony City Engineer  
Rieke Carroll Muller  
10901 Red Circle Drive  
Minnetonka MN 55343  
PHONE: (612) 935-6901  
FAX: (612) 935-8814  
DIST: R. Brown, Metro Division

Michael Rardin 163  
St Louis Park City Engineer  
5005 Minnetonka Blvd  
St Louis Park MN 55416  
PHONE: 9-924-2551  
FAX: (612)924-2663  
DIST: R. Brown, Metro Division

Terry Wotzka 191  
Sauk Rapids City Engineer  
RCM Assoc - PO Box 51  
605 Franklin Ave NE  
St Cloud MN 56302  
PHONE: 8 (320) 253-1000  
FAX: (320) 253-1002  
DIST: M. Tardy, Dist. 3

Bruce Loney 166  
Shakopee Public Works Dir  
129 Holmes Street S  
Shakopee MN 55379-1351  
PHONE: 9-445-3650  
FAX: (612)445-6718  
DIST: R. Brown, Metro Division

Larry Brown 216  
Shorewood City Engineer  
City of Shorewood  
5755 Country Club Road  
Shorewood MN 55331-8927  
PHONE: (612) 474-3236  
FAX: (612) 474-0128  
DIST: R. Brown, Metro Division

Joe Anderlik 183  
Spring Lake Park City Engineer  
Bonestroo Rosene & Assoc  
2335 W TH 36  
St Paul MN 55113  
PHONE: 9-636-4600  
FAX: (612)636-1311  
DIST: R. Brown, Metro Division

John Dolentz 162  
St Cloud City Engineer  
400 2nd Street South  
St Cloud MN 56301  
PHONE: 8 (320) 255-7200  
FAX: (320) 255-7250  
DIST: M. Tardy, Dist. 3

Jeff Roos 227  
St Michael City Engineer  
PO Box 337  
St Michael MN 55376  
PHONE: (612) 476-6010  
FAX: (612) 476-8532

Thomas J Eggum 164  
St Paul City Engineer  
100 City Hall Annex  
5 West 4th Street  
St Paul MN 55102  
PHONE: 9-266-6099 & 266-6110  
FAX: 612-292-7857  
DIST: R. Brown, Metro Division

Wayton Eckles 169  
Stillwater City Engineer  
City Hall  
16 North 4th Street  
Stillwater MN 55082  
PHONE: 9-439-6121  
FAX: (612)439-0456  
DIST: R. Brown, Metro Division

Eugene Lindholm 209  
Vadnais Heights City Engineer  
North Elliott Hendrickson  
535 Vadnais Center Drive  
Vadnais Heights MN 55110  
PHONE: 9-490-2000  
FAX: (612)490-2150  
DIST: R. Brown, Metro Division

Berry Wotzka 221  
Waite Park City Engineer  
Leke Carroll Muller  
105 Franklin Avenue NE  
St. Cloud MN 56302  
PHONE: 8 (320) 253-1000  
FAX: 8 (320) 253-1002  
DIST: M. Tardy, Dist. 3

Philip A Stefaniak 173  
East St. Paul Dir of Pub Works  
516 Humboldt Avenue  
City Hall  
East St Paul MN 55118  
PHONE: 9-552-4130  
FAX: (612)552-4190  
DIST: R. Brown, Metro Division

Elvin Odens 175  
Stillmar City Engineer  
33 6th Street SW  
PO Box 755  
Stillmar MN 56201  
PHONE: 8 (320) 235-4202  
FAX: 8 (320) 235-4917  
DIST: T. Behm, Dist. 8

Tim Loose 165  
St Peter City Engineer  
Bolten and Menk  
515 North Riverfront  
Mankato MN 56001  
PHONE: 8 (507) 625-4171  
FAX: (507)625-4177  
DIST: D. Haeder, Dist. 7

David B Kildahl 170  
Thief Rvr Falls City Engr  
PO Box 528  
Thief Rvr Falls MN 56701  
PHONE: 8-218-681-8506  
FAX: 8 218-681-8507  
DIST: Lou Tasa, Dist. 2

John P Jamnick 171  
Virginia City Engr (Acting)  
City Hall  
327 South 1st Street  
Virginia MN 55792  
PHONE: 8-218-741-2388  
FAX: 8-218-749-3580  
DIST: W. Croke, Dist. 1-Duluth

Brian Miller 172  
Waseca City Engineer  
Maier Stewart & Associates  
1326 Energy Park Dr  
St Paul MN 55108-5202  
PHONE: 9-644-4389  
FAX: 9-644-9446  
DIST: D. Haeder, Dist. 7

Mark Burch 174  
White Bear Lake City Engineer  
City of White Bear Lake  
4701 Highway 61  
White Bear Lake MN 55110  
PHONE: 9-429-8531  
FAX: 9-429-8500  
DIST: R. Brown, Metro Division

William Malin 176  
Winona City Engineer  
207 Lafayette Street  
PO Box 378  
Winona MN 55987  
PHONE: 8-507-457-8269  
FAX: (507)457-8212  
DIST: M. Pinsonneault, Dist. 6

=====

David R Jessup 192  
Woodbury Public Works Director  
8301 Valley Creek Road  
Woodbury MN 55125  
PHONE: 9-731-5784  
FAX: (612)731-5791  
DIST: R. Brown, Metro Division

Dwayne M Haffield 177  
Worthington City Engineer  
Box 279  
City Hall  
Worthington MN 56187  
PHONE: 8-507-372-8640  
FAX: (507)372-8643  
DIST: D. Haeder, Dist. 7-Mankato

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