

MN DEPT OF TRANSPORTATION



3 0314 00002 9925

1992 Municipal State Aid Needs Report

October 1992

MNDOT
HE
356
.M6
M53b
1992

October 1992

(612) 296-1662

TO : Municipal Engineers

SUBJECT : 1992 Municipal State Aid Needs Report

Gentlemen :

Enclosed is a copy of the 1992 Municipal State Aid Needs Report, which will be reviewed October 27 & 28 by the Screening Board to make a final determination of the money needs.

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

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

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

Sincerely,



Kenneth Straus
Municipal State Aid Needs Unit

Enclosures:
1992 Municipal State Aid Needs Report

PREFACE

The "1992 Municipal State Aid Needs Report" is presented to the Municipal Screening Board for use in making their annual money needs recommendation to the Commissioner of Transportation.

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

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

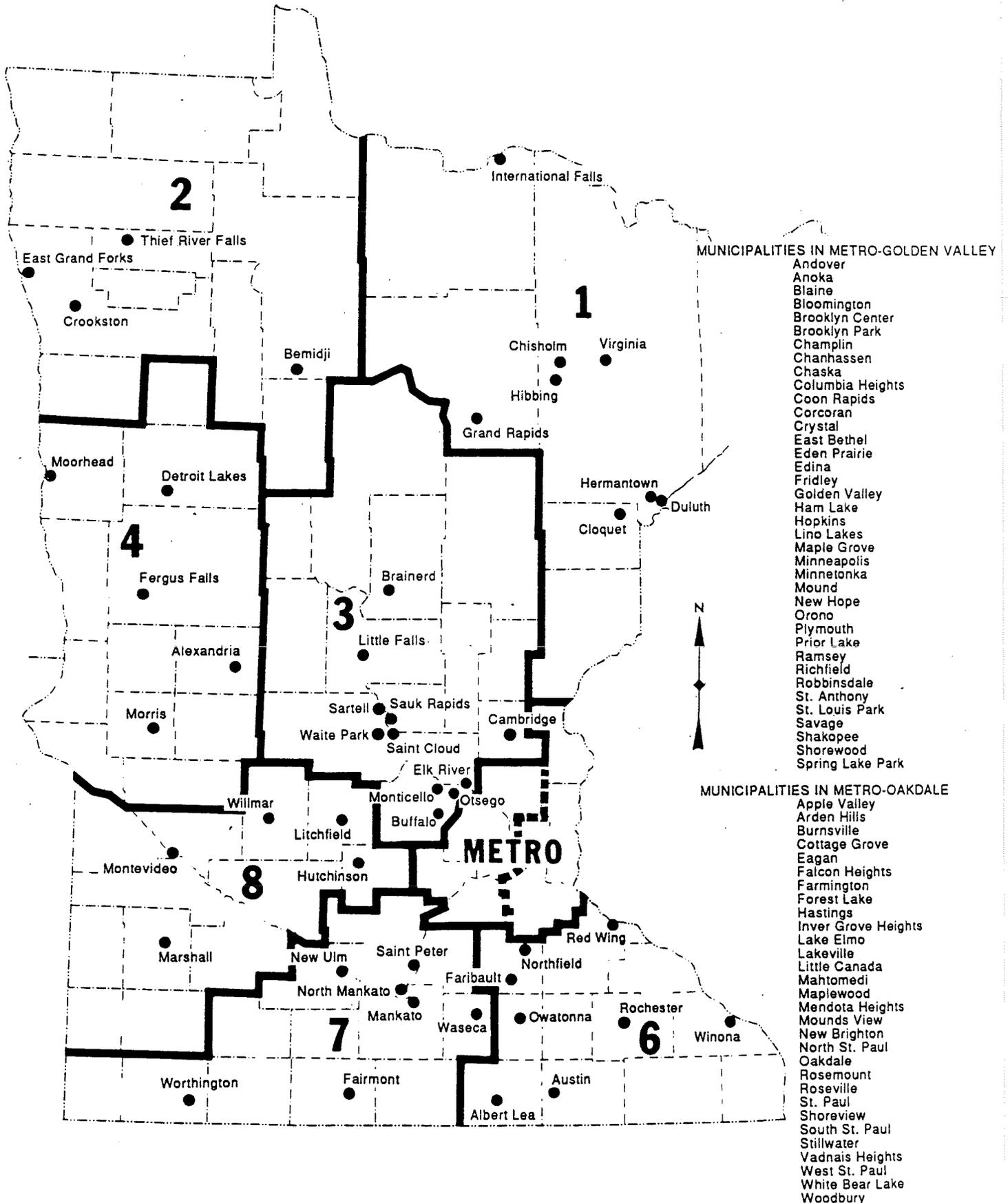
Design is established by State Aid Standards based on traffic, and the money needs are calculated using the unit prices as determined by the Screening Board at their spring meeting in June, 1992.

The 1990 Census data is combined with the Commissioner's final money needs determination and is the resulting 1993 allocation which will be reported in the "1993 Municipal State Aid Apportionment Data" to be published in January, 1993.

TABLE OF CONTENTS

	PAGE
Map of Highway Districts and Urban Municipalities.....	1
1992 Municipal Screening Board.....	2
Subcommittees Appointed by the Commissioner.....	3
Past Municipal Screening Board Representatives.....	4-5
Minutes of the Spring Screening Board Meeting.....	6-12
Mileage, Needs and Apportionment	13-16
Theoretical 1993 Population Apportionment.....	17-20
Needs Study Update.....	21-25
Itemized Tabulation of Needs.....	26-27
Comparison of 1991 To 1992 Money Needs	28
Tentative Money Needs Apportionment Determination.....	29-30
Unencumbered Construction Fund Balance.....	31-33
Unamortized Bond Account Balance.....	34-35
Non-Existent Bridge Construction.....	36
Right-of-Way Acquisition.....	37-41
Bituminous Overlay and Concrete Joint Repair.....	42-43
Trunk Highway Turnback Allowance.....	44-45
Money Needs Recommendation to the Commissioner.....	46
Adjusted Money Needs Recommendation.....	47-48
Theoretical 1993 Total Apportionment	49-51
1992 to 1993 Total Theoretical Apportionment Comparison.....	52-54
Administration Account.....	55
Research Account Motion.....	56
Screening Committee Resolutions.....	57-67

**STATE OF MINNESOTA
HIGHWAY DISTRICTS AND MUNICIPALITIES
AS ESTABLISHED FOR STATE AID PURPOSES
1992**



1992 MUNICIPAL SCREENING BOARD

OFFICERS

Chairman	Dan Edwards	Fergus Falls	(218) 739-2251
Vice Chairman	Alan Gray	Eden Prairie	(612) 937-2262
Secretary	Kenneth Larson	Duluth	(218) 723-3278

MEMBERS

<u>District</u>	<u>Served</u>	<u>Representative</u>		
1	1	Jim Prusak	Cloquet	(218) 879-6758
2	2	David Kildahl	Crookston	(218) 281-6522
3	2	Sidney Williamson	Sartell	(612) 251-4553
4	1	Herb Reimer	Moorhead	(218) 299-5390
5	3	Michael Eastling	Richfield	(612) 861-9700
6	1	Arnold Putnam	Owatonna	(507) 451-4541
7	3	Pete McClurg	New Ulm	(507) 359-8245
8	2	Dale Swanson	Willmar	(612) 235-4202
9	3	Ken Haider	Maplewood	(612) 770-4552
(Three Cities		Kenneth Larson	Duluth	(218) 723-3278
of the		Marvin Hoshaw	Minneapolis	(612) 673-2476
First Class)		Thomas Kuhfeld	St. Paul	(612) 292-6276

District

Alternates

1	Bill Bennett	Hermantown	(218) 727-8456
2	Don Boell	Bemidji	(218) 751-5610
3	Curt Kreklau	Buffalo	(612) 253-1000
4	Gary Nanson	Detroit Lakes	(218) 847-5607
5	Larry Anderson	Prior Lake	(612) 447-4230
6	William Malin	Winona	(507) 457-8269
7	Ken Saffert	Mankato	(507) 625-3161
8	Rich Victor	Marshall	(507) 537-6774
9	Brian Bachmeier	Oakdale	(612) 739-5086

1992 SUBCOMMITTEES

The Needs Study Subcommittee members, who have served on the Screening Board, are nominated by the City Engineers Association and appointed by the Commissioner of Transportation to serve a three year term.

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
Charles Siggerud – Chairman Burnsville (612) 895–4400 Expires in 1992	Ron Rudrud – Chairman Bloomington (612) 881–5811 Expires in 1992
Joe Bettendorf Litchfield (612) 252–4740 Expires in 1993	Bruce Bullert Savage (612) 890–1045 Expires in 1993
Tom Drake Red Wing (612) 227–6220 Expires in 1994	Jim Grube St. Louis Park (612) 924–2551 Expires in 1994

ALLOCATION STUDY SUBCOMMITTEE (Presently Not Appointed by the Commissioner)	
Jim Grube – St. Louis Park – Chairman	(612) 924–2551
Larry Anderson – Prior Lake	(612) 447–4230
Bruce Bullert – Savage	(612) 890–1045
Gerald Butcher – Maple Grove	(612) 420–4000
Tom Drake – Red Wing	(612) 227–6220
John Flora – Fridley	(612) 571–3450
Ramankutty Kannankutty – Minneapolis	(612) 673–2456
Tom Kuhfeld – St Paul	(612) 292–6276
Ken Larson – Duluth	(218) 723–3278
Bill Ottensmann – Coon Rapids	(612) 755–2880
Herb Reimer – Moorhead	(218) 299–5390
Chuck Siggerud – Burnsville	(612) 895–4400

MUNICIPAL SCREENING COMMITTEE REPRESENTATIVES

Districts and First Class Cities

Year	1	2	3	4	5	6	7	8
1974	MADSEN Hibbing	SANDERS E. Gr. Forks	KNAPP	LARSON Detroit Lakes	STROJAN	BOLLANT Winona	OTHMAN	CARLSO
1975	MADSEN	SANDERS	KNAPP	REIMER Moorhead	ASMUS Minnetonka	BOLLANT	MENK St. Peter	CARLSO
1976	BOYER	WIDSETH	KRIHA Brainerd	REIMER	ODLAND	ANDERSON Red Wing	MENK	ADEN Marshall
1977	PFUTZENREUTER Virginia	WIDSETH	KRIHA	RONNING Fergus Falls	ODLAND	ANDERSON	MENK	ADEN
1978	PFUTZENREUTER	WIDSETH	KRIHA	RONNING	BUTCHER Maple Grove	ANDERSON	PUTNAM New Ulm	ADEN
1979	PFUTZENREUTER	VENCEL Bemidji	ENGSTRON Little Falls	RONNING	BUTCHER	ANDERSON	PUTNAM	CARLSO
1980	MADSEN	VENCEL	ENGSTRON	REIMER	BUTCHER	LEUTH Owatonna	PUTNAM	CARLSO
1981	PFUTZENREUTER	WIDSETH	ENGSTRON	REIMER	ASMUS	LEUTH	ORTLOFF Waseca	CARLSO
1982	PFUTZENREUTER Virginia	FREEBERG Bemidji	DOLENTZ St. Cloud	BAKKEN Detroit Lakes	ASMUS	LEUTH	ORTLOFF	ADEN
1983	PRUSAK Cloquet	FREEBERG	DOLENTZ	BAKKEN	ASMUS	PLUMB Rochester	ORTLOFF	ADEN
1984	PRUSAK	FREEBERG	DOLENTZ	BAKKEN	RUDRUD Bloomington	PLUMB	MENK	ADEN
1985	PRUSAK	SANDERS	SCHWENINGER Brainerd	BAKKEN	RUDRUD	PLUMB	MENK	RODEBE Montevideo
1986	BUSBY Hibbing	SANDERS	SCHWENINGER	EDWARDS Fergus Falls	RUDRUD	MURPHY Austin	MENK	RODEBE
1987	BUSBY	SANDERS	SCHWENINGER	EDWARDS	OTTENSMANN Coon Rapids	MURPHY	HAFFIELD Worthington	RODEBE
1988	BUSBY	WALKER Th River Falls	MAURER Elk River	EDWARDS	OTTENSMANN	MURPHY	HAFFIELD	BETTEND Litchfield
1989	DRAGISICH Virginia	WALKER	MAURER	MOEN Alexandria	OTTENSMANN	DRAKE Red Wing	HAFFIELD	BETTEND
1990	DRAGISICH	WALKER	MAURER	MOEN	EASTLING Richfield	DRAKE	MCCLURG New Ulm	BETTEND
1991	PRUSAK Cloquet	KILDAHL Crookston	WILLIAMSON Sauk Rapids	MOEN	EASTLING	DRAKE	MCCLURG	SWANSON Willmar
1992	PRUSAK	KILDAHL	WILLIAMSON	REIMER MOORHEAD	EASTLING	PUTNAM OWATONNA	MCCLURG	SWANSON

MUNICIPAL SCREENING COMMITTEE REPRESENTATIVES

Districts and First Class Cities

Year	9	Mpls.	St. Paul	Duluth	Chairman	Vice Chairman	Secretary
1974	THENE White Bear Lk.	SORENSEN	SCHNARR	DAVIDSON	CARLSON Willmar		MERILA Brooklyn Park
1975	THENE	SORENSEN	SCHNARR	DAVIDSON	JOHNSON Anoka		COOK Faribault
1976	DAVIDSON Irver Gr. Hgts.	SORENSEN	SCHNARR	DAVIDSON	MERILA Brooklyn Park		ASMUS Minnetonka
1977	DAVIDSON	SORENSEN	SCHNARR	DAVIDSON	COOK Faribault	ASMUS Minnetonka	THENE Wt. Br. Lk.
1978	HONCHELL Roseville	SMITH	WHEELER	DAVIDSON	ASMUS Minnetonka	THENE Wt. Br. Lk.	PRIEBE Hutchinson
1979	HONCHELL	SMITH	WHEELER	DAVIDSON	PRIEBE Hutchinson	ADEN Marshall	BAKER Mankato
1980	SIMON S. St. Paul	SMITH	WHEELER	DAVIDSON	ADEN Marshall	BAKER Mankato	HONCHELL Roseville
1981	KLEINSCHMIDT Irver Gr. Hgts.	SMITH	PETERSON	DAVIDSON	BAKER Mankato	HONCHELL Roseville	SIMON S. St. Paul
1982	KLEINSCHMIDT	HOSHAW	PETERSON	DAVIDSON	HONCHELL Roseville	SIMON S. St. Paul	REIMER Moorhead
1983	KLEINSCHMIDT	HOSHAW	PETERSON	DAVIDSON	SIMON S. St. Paul	REIMER Moorhead	SPURRIER Shakopee
1984	GATLIN White Bear Lk.	HOSHAW	PETERSON	BERG	REIMER Moorhead	SPURRIER Shakopee	ANDERSON Prior Lake
1985	GATLIN	HOSHAW	PETERSON	CARLSON	SPURRIER Shakopee	ANDERSON Prior Lake	SAFFERT Mankato
1986	GATLIN	HOSHAW	PETERSON	CARLSON	ANDERSON Prior Lake	SAFFERT Mankato	MOORE Plymouth
1987	SIGGERUD Burnsville	HOSHAW	KUHFELD	CARLSON	SAFFERT Mankato	MOORE Plymouth	RUDRUD Bloomington
1988	SIGGERUD	HOSHAW	KUHFELD	CARLSON	MOORE Plymouth	RUDRUD Bloomington	BULLERT Northfield
1989	SIGGERUD	HOSHAW	KUHFELD	LARSON	RUDRUD Bloomington	BULLERT Northfield	GRUBE St. Louis Park
1990	HAIDER Maplewood	HOSHAW	KUHFELD	LARSON	BULLERT Northfield	GRUBE St. Louis Park	EDWARDS Fergus Falls
1991	HAIDER	HOSHAW	KUHFELD	LARSON	GRUBE St. Louis Park	EDWARDS Fergus Falls	ALAN GRAY Eden Prairie
1992	HAIDER	HOSHAW	KUHFELD	LARSON	EDWARDS Fergus Falls	ALAN GRAY Eden Prairie	KEN LARSON DULUTH

MINUTES
 SPRING MUNICIPAL SCREENING BOARD
 JUNE 15-16, 1992

I. SESSION I

The Spring meeting was called to order by chairman Dan Edwards at 1:10 p.m., Monday, June 15, 1992. Roll Call was taken by the Secretary.

Present were:

Chairman	Dan Edwards	Fergus Falls
Vice-Chairman	Alan Gray	Eden Prairie
Secretary and First Class City	Kenneth Larson	Duluth
District 1	Jim Prusak	Cloquet
District 2	David Kildahl	Crookston
District 3	Sidney Williamson	Sauk Rapids
District 4	Herb Reimer	Moorhead
West District Metro	Larry Anderson	Prior Lake
District 6	Arnold Putnam	Owatonna
District 7	Pete McClurg	New Ulm
District 8	Dale Swanson	Willmar
East District Metro	Kenneth Haider	Maplewood
First Class City	Marv Hoshaw	Minneapolis
First Class City	Thomas Kuhfeld	St. Paul
Chair Needs Study Subcommittee	Chuck Siggerud	Burnsville

Others:

Dennis Carlson	Director, Office of State Aid
Julie Skallman	Assistant State Aid Engineer
Ken Straus	Manager, Municipal State Aid Needs
Ken Hoeschen	Manager, County State Aid Needs
Bill Croke	District 1 State Aid Engineer
Lou Tasa	Acting District 2 State Aid Engineer
Gary Niemi	Acting District 3 State Aid Engineer
Tallack Johnson	District 4 State Aid Engineer
Elmer Morris	Metro District State Aid Engineer
Mike Pinsonneault	District 6 State Aid Engineer
Doug Haeder	District 7 State Aid Engineer
Art Boland	District 8 State Aid Engineer
Dave Kreager	Duluth
Dan Sabin	Minneapolis
Don Aluni	Minneapolis
Bo Spurrier	Minneapolis
Greg Peterson	St. Paul

A. Consideration of Minutes

Chairman Edwards called for consideration of the minutes of the Fall Municipal Screening Board meeting which appears on Pages 4 through 28 of the 1992 Municipal Screening Board Data Book. No changes or corrections were noted and the minutes were considered as printed.

Motion: by Marv Hoshaw, Second by Herb Reimer to adopt the minutes as printed. There was no discussion and the motion was approved unanimously.

B. 1992 Unit Price Recommendations

Chairman Edwards introduced Ken Straus, Manager, Municipal State Aid Needs. Mr. Straus reviewed the report of the Municipal State Aid Needs Subcommittee. Their minutes appear on Page 35 through 40 and the supporting data for the Subcommittee's recommendations which appear on Page 41 through 86 of the 1992 Municipal Screening Board Data Report. Ken Straus reviewed each of the items including the rationale for the changes recommended.

Following the presentation of the unit price recommendations, there was a question by Marv Hoshaw asking that there be further discussion on bridge construction needs for metro communities. Tom Kuhfeld also raised a concern regarding storm sewer construction costs. Tom's concern is whether or not the County storm sewer construction costs are included and if they are this could make the average cost lower.

C. Off-system Expenditures

Ken Straus then presented a review of the off-system expenditures motion, which was adopted by the Screening Board in the Fall of 1991. When that motion was adopted it was requested that further review be conducted. Ken's study appears on Page 87 through 93 of the 1992 report. The Needs Subcommittee had recommended, based on this information, that the fall of 1991 Resolution regarding off-system expenditures be rescinded. There was considerable discussion by many of the Screening Board members regarding the 1991 Fall resolution, its effect, and also the recommendations of the needs Subcommittee. The off-system expenditure item will be discussed during the evening session.

D. Quantity Tables for Needs Computation

Ken Straus brought up the issue of whether or not needs should be founded upon the old quantity table, which is based on the old standards, or should the quantity table be based upon the new minimum standards. Since the new standards have lower minimums, use of the new minimums would mean a reduction in overall needs. Again, there was considerable discussion with Marv Hoshaw pointing out that the standards were not reduced but rather the minimums were reduced. Larry Anderson made it clear that he would be opposed to the needs being reduced based upon the new minimums. This subject was also referred for later discussion.

E. One-way Street Quantity Tables

Ken Straus introduced an issue similar to the previous discussion on design tables relating to the quantity tables for one-way streets. This issue relates to the fact that with new minimums the quantity needs for one-way streets could also be reduced. This issue is similar to previous one and again is referred to further discussion for the evening session. A question was asked of the State Aid staff whether there were a number of projects coming in at the new minimums. Julie Skallman responded that at first there were quite a few since there were projects that were on the shelf. Lately there have been very few and most projects are built to the old, or more desirable standards.

F. Reimbursable State Aid Expenses

Larry Anderson representing the West Metro District, reported that in their district meetings there were several questions about allowing more items relating to State Aid street construction to be reimbursable. Several examples were given such as bike ways, sidewalks in excess of five feet, attorney's fees, parcel fees, possible expenses for entire State Aid committees and not just for the chair of those committees.

Ken Larson reported from the Cities Engineer's Association meeting, that there was considerable discussion, also centered around funding additional construction cost items. If these cost items could be funded then there would be more incentive to reduce the encumbered fund balance.

Tom Kuhfeld pointed out that Dennis Carlson does have a committee working on ways to change the items that are reimbursable, in order to decrease fund balances. This committee is called the Quality Committee and is chaired by State Aid Engineer Dennis Carlson, and also includes Tom Kuhfeld, Dale Swanson, and Alan Gray. Alan Gray suggested that landscaping costs certainly should be considered because they are more and more becoming an integral and essential part of any project. Arnold Putnam concurred in that observation and noted that these items are needed to sell these projects at public hearing time. Arnie also noted, that preliminary engineering takes considerable greater periods of time. This time is consumed due to environmental review, historical research, and many other issues that must be dealt with in the modern society. Dennis Carlson knows that we will see significant changes in what are eligible reimbursable items. The quality committee is working on those issues, and their report should be done in the Fall of 1992.

Larry Anderson questioned whether the fact that pre-engineering is not paid until approval of State Aid contract is a rule or administrative policy. It is believed that it is a part of the State Aid rules, but Larry noted it would certainly be helpful if pre-engineering could be paid earlier in the project schedule. Ken Larson noted that the preliminary costs are not huge, but they are significant and would turn projects out quicker if reimbursement was available. Therefore, the combination of utilizing state aid funds for engineering costs and projects more quickly designed would reduce the fund balances.

G. Metro Area Screening Board Representation

Ken Straus pointed out that the statute requires that there be only one representative from each district, and therefore theoretically the metro area should have only one representative rather than two. Ken wondered if the screening board should take some action. Dennis Carlson pointed out that the change could only come through legislation, and that the screening board would not have to deal with the issue and should not deal with the issue until such time as legislation is changed. Ken Larson wondered if the metro area, because of the population base and the needs identified, should have more than two representatives. Larry Anderson noted that the Metro West District meeting did not make a recommendation for a change in the number of metro area representatives.

H. Ramsey County Consolidation Study

This is a study in Ramsey County which deals with the governmental jurisdictions that are responsible for all streets and roadways. Each Screening Board member has a copy of a memo from Steve Gatlin, Director of Public Works, in the City of Roseville, who was active in that study. Steve Gatlin and Paul Kirkwold from Ramsey County will make a presentation on the consolidation study during the Tuesday morning session.

I. Comments by Dennis Carlson, Director of the Office of State Aid

Dennis reviewed several issues, some of these were new federal funding bills commonly referred to as "ISTEA", which stands for the Intermodal Surface Transportation Efficiency Act. City and County leadership roles are important to affect the distribution of funds to include secondary and urban portions of the roadway system, not just state trunk highways. Dennis also commented on other issues affecting State Aid such as the composition of the screening boards both at the County and City level. There was also a discussion of funding issues facing the state, counties and cities.

II. SESSION II (EVENING SESSION)

Chairman Edwards called the informal evening session to order at 8:30 p.m. He noted that no action will be taken on the issues discussed. This session is for gathering facts, hearing ideas, and encouraging board members to express their opinion on issues before the Screening Board. At the conclusion of the discussions there will be an attempt to ascertain, if there is a consensus, so that these items can be voted on at the following morning final session.

A. Unit Price Recommendations

Construction cost estimates in general were discussed. Suggestions included use of uniform standards and review by all State Aid Engineers, provide training for City Engineers in small communities to raise awareness of needs eligibility, and consider new development/growing community needs in costs. Most rapidly growing communities are most disadvantaged under the current system, with delays in needs applied to system additions. Direction was given to State Aid staff to research costs and have Needs Subcommittee report back to Board in 1993.

B. Off-Systems Expenditures

There was a long discussion of the pros and cons of reinstating the resolution requiring a ten year deduction from the needs for Municipal State Aid funds spent off-system. In general, the argument to reinstate the old resolution is that spending MSA funds off-system results in no decrease in needs while communities which spend their funds on-system have their needs reduced by similar amount. The arguments in favor of retaining the most recent resolution principally surround the need to reduce the unencumbered fund balance. If funds are allowed to be spent off-system, then the large amount of fund balance is more rapidly reduced. In a straw vote during the evening session, it appeared that there was a majority in favor of repealing the resolution adopted in the Fall of 1991.

C. Quantity Tables for Needs Computation

It is noted that these new widths were not the desirable widths, but rather a minimum which can be used when justified. The needs for each community are based upon the old standards, and therefore, it is conceivable that the community would collect needs, and therefore, apportionment based upon the old standards while constructing a street to the new minimum width. The Needs Subcommittee had recommended that the width tables be changed when computing the needs.

D. One-way Street Quantity Tables

This discussion was similar to the previous one on the new minimum standards being different than the width used when computing needs. This same is true with one-way streets since these minimum standards were reduced as well. It was felt for the same reasons that no adjustment in the quantity tables should be made.

E. Reimbursable State Aid Expenses

There was a wide range of discussion on various ways to increase participation of Municipal State Aid funds in constructing street projects. Preliminary engineering, landscaping, bike paths, lighting and etc., was all discussed. Any of these possible ways should be referred to the Quality Committee chaired by Dennis Carlson for review and recommendation for the Fall meeting.

F. Screening Board Composition

The question was if due to the change in the metropolitan area from two districts to one metro district there should be a corresponding reduction in the Screening Board composition. The consensus was that the composition should remain as is with; one member from each Construction District in Greater Minnesota, two from the Metro District and one from each of the Cities of the First Class including Duluth.

III. SESSION III (FINAL SESSION)

The final session of the Spring Municipal Screening Board session was called back to order at 8:40 a.m., Tuesday, June 16, 1992.

A. Consideration of the Unit Prices - Recommended by the Unit Price Subcommittee.

Motion by: Sid Williamson, second by Dale Swanson to approve the unit prices as recommended by the committee including the maintenance needs costs. There was no discussion and the motion was approved unanimously.

B. Off-System Expenditures

Motion by: Herb Reimer, second by Arnold Putnam to rescind the resolution of the November 1991 Screening Board regarding off-system expenditures. The effect of the proposed action would be to restore the ten year adjustment in needs for any expenditures made off-system.

Discussion: Marv Hoshaw questioned the effect of the resolution. The existing resolution removes the adjustments beginning in January 1, 1993, and thus no adjustments as yet have been enforced. It was the consensus that if the motion was adopted, that since the old resolution of November of 1991 had not yet taken affect, that there would be no change in any of the penalties. Tom Kuhfeld, Ken Larson and Larry Anderson stated that they opposed the motion since it discourages reducing the unencumbered fund balance. Marv Hoshaw pointed out that the Screening Board should not go too far in order to prohibit off-system expenditures.

Action: Motion failed with four being in favor and eight opposed.

The result is that the November 1991 resolution stays in effect and there will be no adjustment to needs for expenditures of Municipal State Aid funds off-system.

C. Revision of Design Tables for Both Two-way Streets and One-way Streets

At the recommendation of the chair following last evening's discussion there was no action taken on either of these items. This means that the need will continue to be computed based upon the old design tables.

D. Old Business

There was discussion of the Quality Committee which is chaired by State Aid Engineer Dennis Carlson.

Motion by: Marv Hoshaw, second by Larry Anderson to support the Quality Committee and to involve the City Engineer Association of Minnesota in every way to come up with appropriate methods to reduce the unencumbered fund balance.

Discussion: None

Action: Passed Unanimously

E. Old Business Ramsey County Consolidation Study

Steve Gatlin, Director of Public Works of Roseville and Paul Kirkwold, County Engineer for Ramsey County, reviewed the consolidation of roadways study in Ramsey County. The study was mandated by the 1991 legislature and asked governmental units in Ramsey County to look at ways to reduce costs by consolidating various kinds of services. The one area that perhaps received the most effort was roadways. The roadway study included representatives from Mn/DOT, Ramsey County and local levels of government. There was a review of the functional classification of all roadways and as a result of that review there will be some jurisdictional changes. Therefore, there will be a need to adjust mileage for each level of government. In general the change would be a reduction in the number of trunk highway miles, an increase in County Aid State miles, an increase in the Municipal State Aid miles and a decrease in local roads. To make these changes would require making changes by Screening Board resolution which currently caps Municipal State Aid miles at 20% of the total amount of local roads.

There was no action to be taken at this meeting. It was agreed it would be presented in detail to the Fall Screening Board meeting for their consideration. Larry Anderson suggested that at the time the discussion include adjusting the mileage cap for all cities.

F. Adjournment

The Board thanked Chuck Siggerud for both his input as chair of the Needs Subcommittee and for assisting with the minutes for the meeting.

Motion by: Dale Swanson, second by Pete McClurg to adjourn at 11:20 a.m.

Discussion: None

Action: Passed unanimously

Respectfully submitted,


Kenneth Larson, Secretary

NEEDS, MILEAGE, AND APPORTIONMENT

The amount to be allocated in 1993 is unknown at this time so an estimated amount of \$ 81,109,752 is used in this report. This a similar amount that was used for the 1992 apportionment. The actual amount will be announced in January 1993 when the Commissioner of Transportation makes a determination of the 1993 apportionment.

The estimated Maintenance and Construction amounts are not computed in this booklet due to the city's option of receiving a minimum of \$1,500 per mile or a percentage up to a maximum of 35% of their total allocation for Maintenance. If a city desires to receive more than the minimum, the city has to inform the State Aid Office prior to December 16 of their intention.

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

M.S.A.S. Mileage, Needs and Apportionment 1958 to 1993

Appt. Year	Number of Municipalities	Needs Mileage	Actual 25 Year Apportionment Needs	Apportionment	Accumulative Apportionment
1958	58	920.40	\$190,373,337	\$7,286,074	\$7,286,074
1959	59	938.36	195,749,800	8,108,428	15,394,502
1960	59	968.82	197,971,488	8,370,596	23,765,098
1961	77	1131.78	233,276,540	9,185,862	32,950,960
1962	77	1140.83	223,014,549	9,037,698	41,988,658
1963	77	1161.06	221,458,428	9,451,125	51,439,783
1964	77	1177.11	218,487,546	10,967,128	62,406,911
1965	77	1208.81	218,760,538	11,370,240	73,777,151
1966	80	1271.87	221,992,032	11,662,274	85,439,425
1967	80	1309.93	212,065,299	12,442,900	97,882,325
1968	84	1372.36	214,086,481	14,287,775	112,170,100
1969	85	1405.35	209,186,115	15,121,277	127,291,377
1970	86	1427.59	205,103,981	16,490,064	143,781,441
1971	86	1427.41	204,854,564	18,090,833	161,872,274
1972	92	1490.86	216,734,617	18,338,440	180,210,714
1973	92	1557.31	311,183,279	18,648,610	198,859,324
1974	92	1574.52	324,787,253	21,728,373	220,587,697
1975	99	1629.30	419,869,718	22,841,302	243,428,999
1976	99	1696.56	448,678,585	22,793,386	266,222,385
1977	101	1748.55	488,779,846	27,595,966	293,818,351
1978	101	1768.90	494,433,948	27,865,892	321,684,243
1979	104	1839.51	529,996,431	30,846,555	352,530,798
1980	106	1889.03	623,880,689	34,012,618	386,543,416
1981	106	1913.57	695,487,179	35,567,962	422,111,378
1982	109	1995.74	712,299,816	42,032,978	464,144,356
1983	109	2041.94	651,035,697	46,306,272	510,450,628
1984	109	2066.80	641,783,969	48,735,190	559,185,818
1985	110	2121.49	624,641,459	56,875,174	616,060,992
1986	107	2139.42	552,944,830	59,097,819	675,158,811
1987	107	2148.07	551,850,149	53,101,745	728,260,556
1988	108	2164.99	555,994,519	58,381,022	786,641,578
1989	109	2205.05	586,716,169	76,501,442	863,143,020
1990	112	2265.64	969,735,729	81,517,107	944,660,127
1991	113	2330.30	1,289,813,259	79,773,732	1,024,433,859
1992	116	2376.79	1,374,092,030	81,109,752	1,105,543,611
1993	116	2404.88	1,447,578,988	81,109,752	1,186,653,363

The 1993 apportionment is estimated to be approximately the same as the 1992 apportionment.

MSAS NEEDS MILEAGE COMPARISON

Municipality	1991 M.S.A.S. Needs Mileage	1992 M.S.A.S. Needs Mileage	Difference In Mileage	Municipality	1991 M.S.A.S. Needs Mileage	1992 M.S.A.S. Needs Mileage	Difference In Mileage
Albert Lea	17.51	17.51	0.00	Fergus Falls	12.28	12.28	0.00
Alexandria	11.89	11.89	0.00	Forest Lake	3.69	3.69	0.00
Andover	29.85	29.66	-0.19	Fridley	24.08	24.10	0.02
Anoka	11.89	11.89	0.00	Golden Valley	23.63	23.60	-0.03
Apple Valley	27.14	29.26	2.12	Grand Rapids	10.36	10.36	0.00
Arden Hills	5.18	5.41	0.23	Ham Lake	19.92	19.92	0.00
Austin	22.47	22.47	0.00	Hastings	12.43	12.43	0.00
Bemidji	14.41	14.41	0.00	Hermantown	12.99	12.99	0.00
Blaine	31.37	31.33	-0.04	Hibbing	48.03	50.65	2.62
Bloomington	72.89	73.88	0.99	Hopkins	9.41	9.41	0.00
Brainerd	14.19	14.19	0.00	Hutchinson	10.58	10.58	0.00
Brooklyn Center	21.30	21.30	0.00	International Falls	7.89	7.89	0.00
Brooklyn Park	37.96	38.45	0.49	Inver Grove Heights	18.75	19.03	0.28
Buffalo	5.82	5.82	0.00	Lake Elmo	9.53	9.53	0.00
Burnsville	42.48	42.48	0.00	Lakeville	34.21	34.46	0.25
Cambridge	5.49	5.49	0.00	Lino Lakes	15.12	15.12	0.00
Champlin	13.39	14.44	1.05	Litchfield	7.83	7.83	0.00
Chanhassen	13.31	16.69	3.38	Little Canada	5.15	5.30	0.15
Chaska	8.59	12.32	3.73	Little Falls	13.77	13.77	0.00
Chisholm	6.93	6.93	0.00	Mahtomedi	4.78	4.78	0.00
Cloquet	17.77	18.02	0.25	Mankato	25.83	25.94	0.11
Columbia Heights	11.41	11.41	0.00	Maple Grove	36.99	36.99	0.00
Coon Rapids	38.54	38.51	-0.03	Maplewood	18.06	18.87	0.81
Corcoran	13.12	13.11	-0.01	Marshall	10.22	10.22	0.00
Cottage Grove	24.76	26.66	1.90	Mendota Heights	10.47	10.47	0.00
Crookston	10.83	10.84	0.01	Minneapolis	187.64	187.63	-0.01
Crystal	17.88	17.88	0.00	Minnetonka	49.44	49.44	0.00
Detroit Lakes	9.01	9.01	0.00	Montevideo	7.53	8.01	0.48
Duluth	89.68	90.26	0.58	Monticello	5.30	5.30	0.00
Eagan	40.64	40.64	0.00	Moorhead	24.19	24.59	0.40
East Bethel	21.73	21.73	0.00	Morris	6.45	6.45	0.00
East Grand Forks	10.82	10.82	0.00	Mound	8.01	8.01	0.00
Eden Prairie	37.40	37.40	0.00	Mounds View	7.24	7.24	0.00
Edina	38.95	38.95	0.00	New Brighton	13.46	13.46	0.00
Elk River	20.96	20.96	0.00	New Hope	12.38	12.36	-0.02
Fairmont	17.38	17.38	0.00	New Ulm	14.13	14.13	0.00
Falcon Heights	2.54	2.54	0.00	Northfield	10.11	10.11	0.00
Faribault	18.07	18.61	0.54	North Mankato	9.15	10.15	1.00
Farmington	7.12	6.89	-0.23	North St. Paul	8.14	8.14	0.00

Municipality	1991 M.S.A.S. Needs Mileage	1992 M.S.A.S. Needs Mileage	Difference In Mileage
Oakdale	15.24	15.24	0.00
Orono	10.94	12.10	1.16
Otsego	12.33	12.33	0.00
Owatonna	17.52	17.48	-0.04
Plymouth	45.35	45.23	-0.12
Prior Lake	12.56	12.56	0.00
Ramsey	25.02	25.02	0.00
Red Wing	20.28	20.28	0.00
Richfield	26.17	26.17	0.00
Robbinsdale	10.33	10.33	0.00
Rochester	45.10	45.10	0.00
Rosemount	16.45	16.45	0.00
Roseville	22.38	22.38	0.00
St. Anthony	5.18	5.18	0.00
St. Cloud	35.28	35.24	-0.04
St. Louis Park	25.27	24.86	-0.41
St. Paul	157.22	156.95	-0.27
St. Peter	8.71	8.71	0.00
Sartell	4.00	4.00	0.00
Sauk Rapids	7.93	8.52	0.59
Savage	11.97	12.47	0.50
Shakopee	15.15	15.15	0.00
Shoreview	12.59	13.79	1.20
Shorewood	9.29	9.29	0.00
South St. Paul	14.33	14.33	0.00
Spring Lake Park	4.69	4.98	0.29
Stillwater	12.31	12.31	0.00
Thief River Falls	11.21	11.39	0.18
Vadnais Heights	5.59	5.59	0.00
Virginia	12.25	12.33	0.08
Waite Park	3.48	3.57	0.09
Waseca	6.31	6.31	0.00
West St. Paul	11.62	11.62	0.00
White Bear Lake	17.82	18.07	0.25
Willmar	19.44	23.30	3.86
Winona	19.66	19.60	-0.06
Woodbury	24.18	24.18	0.00
Worthington	9.80	9.80	0.00
TOTAL	2376.79	2404.88	28.09

Theoretical 1993 M.S.A.S. Population Apportionment

The 1990 Federal Census is used in determining the city's Population Apportionment. Adjustments to the population total due to a special U.S. Census shall remain in effect until the next Federal Census is completed and filed. Whenever an area is annexed or detached, the population of the city will be adjusted (added or subtracted) from the last U.S Census total until the next Federal Census is completed and filed.

Some population totals were adjusted due to annexations or detachments which included people. The final population data will be certified December 31, 1992 by the State Demographer and the actual apportionment sum available to urban municipalities in 1993 will be provided by the Office of Finance and Accounting in January of 1993.

Fifty percent of the total sum is distributed on a prorated share that each city population bears to the total population. Each city earned approximately \$14.44 per capita in apportionment from the 1992 population apportionment distribution. This projection will be somewhat revised when the actual revenue for the 1993 apportionment becomes available or if additional cities should exceed 5,000 population prior to January 1, 1993.

THEORETICAL 1993 POPULATION APPORTIONMENT
(The allocation per Capita equals approximately \$14.44)

Municipalities	Population	Population Apportionment
Albert Lea	18,310	\$264,407
Alexandria	8,029	115,943
Andover	15,216	219,728
Anoka	17,192	248,262
Apple Valley	34,598	499,614
Arden Hills	9,199	132,839
Austin	21,907	316,349
Bemidji	11,245	162,384
Blaine	38,975	562,821
Bloomington	86,335	1,246,726
Brainerd	12,353	178,384
Brooklyn Center	28,887	417,144
Brooklyn Park	56,381	814,173
Buffalo	6,856	99,005
Burnsville	51,288	740,627
Cambridge	5,117	73,892
Champlin	16,849	243,309
Chanhassen	11,732	169,417
Chaska	11,339	163,742
Chisholm	5,290	76,391
Cloquet	10,885	157,186
Columbia Heights	18,910	273,071
Coon Rapids	52,978	765,032
Corcoran	5,199	75,076
Cottage Grove	22,935	331,194
Crookston	8,119	117,243
Crystal	23,788	343,512
Detroit Lakes	7,145	103,178
Duluth	85,493	1,234,567
Eagan	47,409	684,612
East Bethel	8,050	116,247
East Grand Forks	8,658	125,026
Eden Prairie	39,311	567,673
Edina	46,070	665,277
Elk River	11,143	160,911
Fairmont	11,265	162,673
Falcon Heights	5,380	77,690
Faribault	17,090	246,789
Farmington	5,940	85,777

Municipalities	Population	Population Apportionment
Fergus Falls	12,362	\$178,514
Forest Lake	5,833	84,232
Fridley	28,335	409,173
Golden Valley	20,971	302,833
Grand Rapids	7,976	115,178
Ham Lake	8,924	128,868
Hastings	15,445	223,034
Hermantown	6,761	97,633
Hibbing	18,046	260,594
Hopkins	16,534	238,760
Hutchinson	11,523	166,399
International Falls	8,325	120,218
Inver Grove Heights	22,477	324,580
Lake Elmo	5,877	84,867
Lakeville	24,854	358,906
Lino Lakes	8,807	127,178
Litchfield	6,041	87,235
Little Canada	8,971	129,546
Little Falls	7,232	104,434
Mahtomedi	5,569	80,419
Mankato	31,477	454,545
Maple Grove	38,736	559,369
Maplewood	30,954	446,993
Marshall	12,023	173,619
Mendota Heights	9,431	136,189
Minneapolis	368,383	5,319,656
Minnetonka	48,370	698,490
Montevideo	5,499	79,409
Monticello	5,045	72,853
Moorhead	32,295	466,358
Morris	5,613	81,055
Mound	9,634	139,120
Mounds View	12,541	181,099
New Brighton	22,207	320,681
New Hope	21,853	315,570
New Ulm	13,132	189,633
Northfield	14,684	212,045
North Mankato	10,164	146,774
North St. Paul	12,376	178,716
Oakdale	18,400	265,706
Orono	7,285	105,199
Otsego	5,219	75,365

Municipalities	Population	Population Apportionment
Owatonna	19,386	\$279,945
Plymouth	50,889	734,866
Prior Lake	11,482	165,807
Ramsey	12,408	179,178
Red Wing	15,134	218,543
Richfield	35,710	515,672
Robbinsdale	14,396	207,886
Rochester	70,997	1,025,236
Rosemount	8,622	124,506
Roseville	33,485	483,542
St. Anthony	7,727	111,582
St. Cloud	48,812	704,872
St. Louis Park	43,787	632,309
St. Paul	272,235	3,931,225
St. Peter	9,481	136,911
Sartell	5,409	78,109
Sauk Rapids	7,825	112,997
Savage	9,906	143,048
Shakopee	11,739	169,518
Shoreview	24,587	355,050
Shorewood	5,917	85,445
South St. Paul	20,197	291,656
Spring Lake Park	6,532	94,326
Stillwater	13,882	200,464
Thief River Falls	8,010	115,669
Vadnais Heights	11,041	159,438
Virginia	9,410	135,886
Waite Park	5,026	72,578
Waseca	8,385	121,084
West St. Paul	19,248	277,952
White Bear Lake	24,704	356,740
Willmar	17,531	253,157
Winona	25,399	366,776
Woodbury	20,075	289,894
Worthington	9,977	144,073
TOTAL	2,808,401	\$40,554,876

\$40,554,876 ÷ 2,808,401 Equals 14.440557456 Per Person

1992 Needs Study Update

The following tabulation reflects the total difference between the 1991 and the 1992 25-year money needs studies. This update was accomplished in two individual steps to measure the effect each type of revision has to the total needs.

1. Accomplishments and system revisions -- includes needs updating and needs of new designations for which resolutions were received by May 1.
2. 1992 Unit Cost Revisions -- measures the effect between last years unit prices to the unit prices approved by the Screening Board at the 1992 Spring Meeting.
3. 1992 traffic update -- no traffic counts were updated due to the lateness of receiving the counts. The traffic counts will be updated before the 1993 apportionment and may affect the city's needs and apportionment.

Revisions were made to the following needs study unit prices:

Sidewalk Removal	+	\$.50 per ton
Sidewalk Construction	+	\$.50 per square yard
Tree Removal	+	\$	50.00 per tree
Subbase Class 4	-	\$.50 per ton
Base Class 5	-	\$.50 per ton
Bituminous surface # 2331	+	\$	2.00 per ton
Bituminous surface # 2341	+	\$	1.00 per ton
Bituminous surface # 2361	+	\$	2.00 per ton
Storm Sewer Construction	+	\$	3500.00 per mile
Street Lighting	+	\$	4000.00 per mile

Signals

Projected traffic

0 - 4,999	+	\$	1,250 per mile
5,000 - 9,999	+	\$	2,500 per mile
10,000 & over	+	\$	5,000 per mile

Railroad signs	+	\$	100.00 per sign
Railroad Pavement Markings	+	\$	750.00 per crossing
Rubberized railroad crossing mat.	+	\$	50.00 per ft. of track

The resulting 1992 25-year Construction Needs as adjusted in the "Tentative Determination of Money Needs Apportionment " will be used in computing the 1993 money needs apportionment.

1992 M.S.A.S. NEEDS STUDY UPDATE

Municipality	1991 Money Needs	Accomplish. & System Revisions	Unit Cost Update	1992 Money Needs	Net Change	% Change 1991 to 1992
Albert Lea	\$9,943,768	\$167,850	\$349,762	\$10,461,380	\$517,612	5.2054
Alexandria	6,917,363	237,355	198,916	7,353,634	436,271	6.3069
Andover	12,733,587	28,678	472,570	13,234,835	501,248	3.9364
Anoka	5,528,827	0	204,680	5,733,507	204,680	3.7021
Apple Valley	13,060,787	157,689	520,565	13,739,041	678,254	5.1931
Arden Hills	2,300,316	(198,846)	74,333	2,175,803	(124,513)	-5.4129
Austin	16,717,866	(428,093)	376,301	16,666,074	(51,792)	-0.3098
Bemidji	8,889,972	35,579	297,782	9,223,333	333,361	3.7499
Blaine	12,234,788	5,347,938	662,683	18,245,409	6,010,621	49.1273
Bloomington	58,327,294	1,225,764	2,076,128	61,629,186	3,301,892	5.6610
Brainerd	5,825,344	(283,200)	200,186	5,742,330	(83,014)	-1.4250
Brooklyn Center	12,793,116	(164,826)	459,397	13,087,687	294,571	2.3026
Brooklyn Park	16,047,188	(526,049)	654,189	16,175,328	128,140	0.7985
Buffalo	4,500,653	(395,855)	111,534	4,216,332	(284,321)	-6.3173
Burnsville	17,391,607	104,609	706,139	18,202,355	810,748	4.6617
Cambridge	4,331,285	0	100,455	4,431,740	100,455	2.3193
Champlin	4,700,751	(189,432)	195,791	4,707,110	6,359	0.1353
Chanassen	5,926,530	2,192,089	232,288	8,350,907	2,424,377	40.9072
Chaska	4,957,386	3,372,854	236,338	8,566,578	3,609,192	72.8043
Chisholm	3,887,600	(239,025)	101,645	3,750,220	(137,380)	-3.5338
Cloquet	11,601,263	(345,468)	286,407	11,542,202	(59,061)	-0.5091
Columbia Heights	6,775,760	0	185,527	6,961,287	185,527	2.7381
Coon Rapids	14,463,332	618,942	608,875	15,691,149	1,227,817	8.4892
Corcoran	5,481,088	48,575	148,979	5,678,642	197,554	3.6043
Cottage Grove	12,592,702	1,641,828	458,009	14,692,539	2,099,837	16.6750
Crookston	5,436,196	4,114	142,810	5,583,120	146,924	2.7027
Crystal	10,124,764	(402,564)	273,210	9,995,410	(129,354)	-1.2776

Municipality	1991 Money Needs	Accomplish. & System Revisions	Unit Cost Update	1992 Money Needs	Net Change	% Change 1991 to 1992
Detroit Lakes	\$3,984,855	(\$476,469)	\$157,797	\$3,666,183	(\$318,672)	-7.9971
Duluth	60,564,452	1,596,591	1,403,338	63,564,381	2,999,929	4.9533
Eagan	15,087,764	0	605,812	15,693,576	605,812	4.0153
East Bethel	3,207,456	0	202,926	3,410,382	202,926	6.3267
East Grand Forks	3,175,141	54,459	122,399	3,351,999	176,858	5.5701
Eden Prairie	21,375,168	(580,273)	698,184	21,493,079	117,911	0.5516
Edina	19,809,237	693,084	715,134	21,217,455	1,408,218	7.1089
Elk River	8,508,091	(66,206)	301,049	8,742,934	234,843	2.7602
Fairmont	12,507,765	(880,087)	318,565	11,946,243	(561,522)	-4.4894
Falcon Heights	697,794	(355,912)	23,518	365,400	(332,394)	-47.6350
Faribault	10,840,213	516,848	330,911	11,687,972	847,759	7.8205
Farmington	7,142,763	293,153	176,574	7,612,490	469,727	6.5763
Fergus Falls	7,755,045	(358,172)	213,184	7,610,057	(144,988)	-1.8696
Forest Lake	2,729,075	0	60,140	2,789,215	60,140	2.2037
Fridley	9,993,316	(335,261)	347,950	10,006,005	12,689	0.1270
Golden Valley	14,594,420	(381,485)	362,149	14,575,084	(19,336)	-0.1325
Grand Rapids	4,927,278	(73,196)	168,941	5,023,023	95,745	1.9432
Ham Lake	3,513,410	(1,272)	204,695	3,716,833	203,423	5.7899
Hastings	4,728,948	(699,653)	167,802	4,197,097	(531,851)	-11.2467
Hermantown	6,740,236	(1,049,975)	164,710	5,854,971	(885,265)	-13.1340
Hibbing	21,516,543	2,725,454	636,308	24,878,305	3,361,762	15.6241
Hopkins	5,591,083	596,993	187,040	6,375,116	784,033	14.0229
Hutchinson	5,126,301	0	168,023	5,294,324	168,023	3.2777
International Falls	4,954,447	0	123,127	5,077,574	123,127	2.4852
Inver Grove Heights	8,382,288	(695,700)	263,532	7,950,120	(432,168)	-5.1557
Lake Elmo	2,785,891	0	94,392	2,880,283	94,392	3.3882
Lakeville	20,078,222	442,938	556,602	21,077,762	999,540	4.9782
Lino Lakes	7,029,237	0	168,537	7,197,774	168,537	2.3977
Litchfield	3,872,550	(486,878)	98,739	3,484,411	(388,139)	-10.0228
Little Canada	2,275,909	554,132	89,163	2,919,204	643,295	28.2654

Municipality	1991 Money Needs	Accomplish. & System Revisions	Unit Cost Update	1992 Money Needs	Net Change	% Change 1991 to 1992
Little Falls	\$6,707,375	(\$267,547)	\$231,379	\$6,671,207	(\$36,168)	-0.5392
Mahtomedi	1,835,453	0	52,391	1,887,844	52,391	2.8544
Mankato	15,689,012	658,091	492,379	16,839,482	1,150,470	7.3330
Maple Grove	20,307,104	(408,566)	623,479	20,522,017	214,913	1.0583
Maplewood	9,790,502	461,526	325,524	10,577,552	787,050	8.0389
Marshall	3,200,238	0	125,664	3,325,902	125,664	3.9267
Mendota Heights	4,148,620	0	139,636	4,288,256	139,636	3.3658
Minneapolis	167,351,274	2,892,181	4,245,025	174,488,480	7,137,206	4.2648
Minnetonka	26,403,632	0	788,763	27,192,395	788,763	2.9873
Montevideo	2,877,440	448,678	459,111	3,785,229	907,789	31.5485
Monticello	2,974,729	0	98,537	3,073,266	98,537	3.3125
Moorhead	12,836,431	(54,999)	352,637	13,134,069	297,638	2.3187
Morris	2,552,543	(250,954)	70,404	2,371,993	(180,550)	-7.0733
Mound	3,210,029	152,672	103,547	3,466,248	256,219	7.9818
Mounds View	2,171,160	0	83,979	2,255,139	83,979	3.8679
New Brighton	6,727,206	0	167,528	6,894,734	167,528	2.4903
New Hope	8,353,150	(488,200)	280,959	8,145,909	(207,241)	-2.4810
New Ulm	7,573,989	(4,874)	216,895	7,786,010	212,021	2.7993
Northfield	6,988,329	(24,481)	212,413	7,176,261	187,932	2.6892
North Mankato	3,483,982	1,684,480	161,957	5,330,419	1,846,437	52.9979
North St. Paul	2,961,413	613,473	108,121	3,683,007	721,594	24.3665
Oakdale	7,073,948	492,957	225,101	7,792,006	718,058	10.1507
Orono	6,349,432	930,103	174,751	7,454,286	1,104,854	17.4008
Otsego	8,090,104	0	179,805	8,269,909	179,805	2.2225
Owatonna	11,454,865	(633,545)	301,338	11,122,658	(332,207)	-2.9001
Plymouth	21,319,570	(272,892)	702,890	21,749,568	429,998	2.0169
Prior Lake	6,093,606	568,027	173,891	6,835,524	741,918	12.1754
Ramsey	8,142,793	0	324,899	8,467,692	324,899	3.9900
Red Wing	12,897,781	(353,469)	316,751	12,861,063	(36,718)	-0.2847
Richfield	15,499,501	98,939	506,260	16,104,700	605,199	3.9046

Municipality	1991 Money Needs	Accomplish. & System Revisions	Unit Cost Update	1992 Money Needs	Net Change	% Change 1991 to 1992
Robbinsdale	\$4,976,204	\$490,963	\$173,190	\$5,640,357	\$664,153	13.3466
Rochester	33,410,261	(545,415)	927,872	33,792,718	382,457	1.1447
Rosemount	8,764,047	1,059,769	261,596	10,085,412	1,321,365	15.0771
Roseville	6,341,176	0	273,978	6,615,154	273,978	4.3206
St. Anthony	1,270,686	194,267	61,594	1,526,547	255,861	20.1357
St. Cloud	17,152,991	(577,103)	667,145	17,243,033	90,042	0.5249
St. Louis Park	13,095,461	(280,619)	450,078	13,264,920	169,459	1.2940
St. Paul	147,452,421	7,654,808	3,789,780	158,897,009	11,444,588	7.7615
St. Peter	3,248,291	0	111,145	3,359,436	111,145	3.4216
Sartell	1,902,723	747,137	75,498	2,725,358	822,635	43.2346
Sauk Rapids	4,279,608	219,484	152,154	4,651,246	371,638	8.6839
Savage	9,312,616	693,203	240,349	10,246,168	933,552	10.0246
Shakopee	8,644,990	(143,025)	242,999	8,744,964	99,974	1.1564
Shoreview	3,914,341	692,154	183,643	4,790,138	875,797	22.3741
Shorewood	5,603,047	(78,141)	138,119	5,663,025	59,978	1.0705
South St. Paul	7,532,748	(75,367)	224,693	7,682,074	149,326	1.9824
Spring Lake Park	1,773,899	(31,957)	75,006	1,816,948	43,049	2.4268
Stillwater	7,311,537	(193,772)	204,354	7,322,119	10,582	0.1447
Thief River Falls	7,208,359	26,233	187,221	7,421,813	213,454	2.9612
Vadnais Heights	2,175,077	0	71,831	2,246,908	71,831	3.3025
Virginia	5,578,164	971,810	203,775	6,753,749	1,175,585	21.0748
Waite Park	3,092,924	64,062	101,614	3,258,600	165,676	5.3566
Waseca	1,762,068	0	67,792	1,829,860	67,792	3.8473
West St. Paul	4,994,026	(113,135)	165,363	5,046,254	52,228	1.0458
White Bear Lake	9,552,905	(69,083)	216,875	9,700,697	147,792	1.5471
Willmar	9,125,623	1,222,595	315,774	10,663,992	1,538,369	16.8577
Winona	10,192,600	289,883	416,436	10,898,919	706,319	6.9297
Woodbury	16,709,519	(430,662)	481,515	16,760,372	50,853	0.3043
Worthington	5,662,476	101,570	117,937	5,881,983	219,507	3.8765
TOTAL	\$1,374,092,030	\$31,174,878	\$42,312,080	\$1,447,578,988	\$73,486,958	5.3480

1992 Itemized Tabulation of Needs

The 1992 apportionment needs reflects an increase due to the updating of needs, new designations and increase in the unit price of signal costs, lighting, bituminous and engineering. See the 1992 June Screening Board minutes or the Resolutions for 1992 needs unit prices.

The 1992 itemized tabulation of needs on the following page shows all the construction items except the "after the fact needs" used in the Municipal State Aid Needs Study. The tabulation is provided to give each municipality the opportunity to compare their needs of the individual construction items to that of other cities. The cost per mile shown on this report does not include bridges because large bridges in some cities would distort the average. The average is a more comparable cost for roadway construction cost per mile without bridges.

The overall average cost per mile is \$562,539. Falcon Heights has the lowest cost per mile with \$143,858 while Farmington has the highest cost with \$1,054,045 per mile.

Seven cities which exceed \$750,000 per mile are listed alphabetically as follows: Bloomington, Farmington, Forest Lake, Minneapolis, St. Paul, Savage and Waite Park.

1992 ITEM BY ITEM TABULATION OF NEEDS

MUNICIPALITY	GRADING	COMPLETE STORM SEWER	STORM SEWER ADJUSTMENT	BASE	SURFACE	SHOULDER	CURB AND GUTTER	SIDEWALK	SIGNALS	LIGHTING	RETAINING WALLS	BRIDGES	RAILROAD CROSSINGS	ENGINEERING	MAINTENANCE	NEEDS	MILEAGE	COST PER MILE	
ALBERT LEA	\$1,373,330	\$221,445	\$443,920	\$1,680,066	\$1,743,742		\$573,155	\$693,781	\$542,400	\$350,200	\$19,000		\$1,132,850	\$1,591,430	\$108,192	\$10,461,380	17.51	\$597,452	
ALEXANDRIA	1,001,116	750,120	198,400	1,308,937	1,378,666	\$6,265	413,137	509,962	369,400	237,800				1,111,303	68,544	7,353,634	11.89	618,472	
ANDOVER	957,507	2,717,190		1,098,933	1,935,970	40,481	772,175	2,238,510	676,600	593,200			110,750	2,005,440	88,084	13,234,835	29.66	446,218	
ANOKA	600,322	1,163,085	8,680	1,004,231	1,004,231		466,847	396,066	288,800	237,800				865,024	62,836	5,733,507	11.89	482,213	
APPLE VALLEY	821,494	1,787,520	125,240	1,890,888	2,647,690		602,995	1,570,174	1,480,400	585,200				2,072,193	155,356	13,739,041	29.26	469,550	
ARDEN HILLS	177,275	432,915	11,780	298,730	340,291		152,835	117,871	183,000	108,200				328,138	24,784	2,175,803	5.41	402,182	
AUSTIN	2,593,769	644,385	314,960	1,928,707	2,151,613		717,001	1,070,862	741,400	449,400			\$3,060,170	319,900	2,524,591	155,316	16,666,074	22.47	605,514
BEMIDJI	844,707	1,089,270	81,220	1,079,553	1,593,001		506,009	748,548	492,200	288,200	10,000		420,250	1,426,415	88,864	9,223,333	14.41	599,251	
BLAINE	1,277,764	3,469,305	53,320	2,157,788	3,201,736	3,115	1,079,117	2,365,882	1,129,000	626,600				2,773,310	116,332	18,245,409	31.33	582,362	
BLOOMINGTON	5,319,939	6,934,620	859,320	9,398,118	13,328,666		2,649,661	3,740,698	3,968,800	1,477,600	16,000		1,193,150	9,333,266	549,632	61,629,186	73.88	795,255	
BRAINERD	737,345	211,470	375,100	837,149	1,348,178		391,688	227,686	381,400	283,800				864,110	85,628	5,742,330	14.19	404,674	
BROOKLYN CENTER	932,066	1,572,060	519,560	2,075,350	2,930,487		584,896	635,606	984,000	426,000	42,867	277,200		1,976,418	131,180	13,087,687	21.30	601,431	
BROOKLYN PARK	954,783	2,804,970	179,180	1,777,405	3,372,723		951,734	1,045,240	1,725,000	738,200				2,499,445	187,232	16,175,328	38.45	420,685	
BUFFALO	390,615	418,950	43,400	625,273	553,119		290,979	349,470	130,000	116,400	50,000		580,650	639,875	28,684	4,216,332	5.82	724,456	
BURNSVILLE	1,818,240	867,825	390,600	2,689,513	3,918,814		1,032,792	1,314,741	2,271,400	849,600				2,952,256	321,192	18,202,355	42.48	428,492	
CAMBRIDGE	347,473	833,910	65,100	471,367	512,204		288,989	243,097	109,800	109,800	60,000	656,880	40,350	677,812	19,756	4,431,740	5.49	687,588	
CHAMPLIN	215,517	664,335	8,060	293,448	934,812		352,977	867,688	324,200	278,000				722,827	59,048	4,707,110	14.44	325,977	
CHANHASSEN	742,112	1,360,590	1,480,769	1,614,690	1,614,690	8,841	450,374	324,975	512,000	333,800	180,000	25,080		1,273,180	51,696	8,350,907	16.69	498,851	
CHASKA	590,485	1,739,640	1,292,837	1,221,972	1,221,972	77	648,689	987,386	298,000	246,400		25,200	160,650	1,298,145	57,228	8,566,578	12.32	693,294	
CHISHOLM	677,937	646,380	19,220	624,641	497,356		231,640	275,070	138,600	138,600				566,900	33,876	3,750,220	6.93	541,157	
CLOQUET	1,961,168	2,074,800	1,476,399	1,400,941	1,400,941	8,022	613,763	838,977	408,600	360,400	37,000	336,600	191,500	1,747,861	86,560	11,542,202	18.02	621,843	
COLUMBIA HEIGHTS	715,646	933,660	1,311,172	1,358,934	1,358,934		318,297	6,975	411,200	228,200	350,000		203,225	1,092,478	73,260	6,961,287	11.41	610,104	
COON RAPIDS	909,773	1,248,870	307,520	1,458,997	3,367,955		817,999	1,184,065	1,404,800	770,200		1,435,776	191,300	2,400,342	236,388	15,691,149	38.51	370,173	
CORCORAN	1,181,681	650,370	1,270,665	576,480	49,105	188,931	319,132	272,200	262,200	262,200				858,738	49,140	5,678,642	13.11	433,153	
COTTAGE GROVE	1,070,543	2,266,320	80,600	1,984,954	2,283,165	20,559	793,346	1,789,369	1,049,800	533,200		456,000		2,219,284	145,672	14,692,539	26.66	534,004	
CROOKSTON	645,520	578,550	130,820	781,065	793,041		305,015	609,487	204,200	185,200	2,000	450,000	1,350	1,680,579	53,348	5,583,120	10.84	473,535	
CRYSTAL	1,016,840	1,751,610	155,000	1,675,220	1,696,126	175	860,182	283,550	474,800	357,600	32,900		95,750	1,511,957	83,700	9,995,410	17.88	559,027	
DETROIT LAKES	294,008	492,765	29,140	344,417	724,328	119	142,841	296,922	253,400	180,200			302,850	551,235	54,216	3,666,183	9.01	406,902	
DULUTH	9,220,731	5,298,720	1,085,000	10,211,454	8,495,710	80,801	2,711,601	2,807,050	3,077,800	1,793,600	154,000	7,740,417	732,400	9,700,725	541,428	63,564,381	90.26	618,480	
EAGAN	882,243	2,064,825	151,280	2,022,981	3,669,518		1,029,859	724,464	1,732,000	812,800				2,399,691	247,408	15,693,576	40.64	386,161	
EAST BETHEL	510,105	452,865	353,842	723,231	165,464		52,027	276,800	216,400	216,400				508,649	75,920	3,410,382	21.73	156,943	
EAST GRAND FORKS	325,957	3,525,165	394,940	2,992,670	4,313,284		1,427,776	726,163	1,729,400	748,000	489,500		222,850	505,903	60,464	3,351,999	10.82	309,797	
EDEN PRAIRIE	1,597,361	1,552,110	657,200	3,516,248	4,402,755		1,367,256	988,418	1,847,200	779,000	154,600	166,650	33,150	3,359,488	227,196	21,217,455	38.95	540,457	
EDINA	2,323,766	1,412,460	971,643	1,297,292	25,711		431,489	620,909	512,000	419,200	8,000	894,000	110,750	1,396,513	87,808	8,742,934	20.96	374,472	
ELK RIVER	631,395	1,919,190	1,736,688	2,020,981	1,260	614,932	798,506	595,600	347,600	3,000		448,800	82,100	1,895,339	111,288	11,946,243	17.38	661,533	
FAIRMONT	1,460,968	11,970	17,012	133,309	6,930		5,800	58,600	50,800	50,800				53,813	12,628	365,400	2.54	143,858	
FALCON HEIGHTS	998,929	321,195	117,180	1,592,231	2,002,821		447,048	1,556,731	665,400	372,200	1,331,280	403,750	1,771,499	113,628	11,687,972	18.61	556,512		
FARMINGTON	689,619	1,252,860	5,580	1,411,869	1,171,548		369,971	535,270	277,000	137,800		350,117	229,550	1,406,177	23,692	7,612,490	6.89	1,054,045	
FERGUS FALLS	640,807	526,680	132,680	749,195	930,567	2,667	296,083	425,143	359,400	245,600	10,500	629,240	1,446,300	1,230,509	64,120	7,610,057	12.28	568,470	
FOREST LAKE	351,542	544,635	18,600	492,678	367,781		211,670	211,296	81,200	73,800				429,598	12,436	2,789,215	3.69	755,885	
FRIDLEY	871,438	1,590,015	188,480	1,242,679	2,154,703	7,294	713,682	700,600	482,000	482,000			413,000	1,505,506	136,608	10,006,005	24.10	415,187	
GOLDEN VALLEY	1,704,400	1,925,175	368,280	2,354,221	2,370,959		851,809	391,743	810,000	472,000	10,000	380,000	598,375	2,202,658	135,464	14,575,084	23.60	601,487	
GRAND RAPIDS	542,048	584,535	88,040	655,751	1,033,988	1,064	310,227	222,594	314,000	207,200			242,250	1,182,112	65,020	5,023,023	10.36	484,848	
HAM LAKE	415,675	223,440	18,600	626,799	772,615	67,690	167,624	398,400	398,400	398,400				556,066	71,524	3,716,833	19.92	186,588	
HASTINGS	335,907	758,100	22,320	467,097	855,249	1,428	254,558	172,640	310,200	248,600	3,000		65,550	629,039	73,412	4,197,097	12.43	337,659	
HERMANTOWN	529,432	1,210,965	985,163	1,048,853	1,127	351,016	202,855	302,000	259,800	259,800			20,000	889,420	59,740	5,854,971	12.99	450,729	
HIBBING	4,304,915	2,763,075	243,040	4,916,955	3,360,026	102,130	995,619	962,722	1,237,000	1,013,000		16,320	963,500	3,763,348	241,908	24,878,305	50.65	490,859	
HOPKINS	708,537	540,645	115,940	1,299,112	1,403,306		327,380	203,916	500,400	188,200			67,770	963,978	55,976	6,375,116	9.41	670,281	
HUTCHINSON	362,633	404,985	56,420	564,513	916,892		169,285	131,095	287,600	211,600			460,350	798,327	63,748	5,294,324	10.58	418,431	
INTERNATIONAL FALL	764,440	460,845	230,640	907,702	737,385		360,571	488,048	162,000	157,800				768,499	39,644	5,077,574	7.89	643,546	
INVER GROVE HEIGHT	449,906	1,472,310	140,120	1,039,053	1,460,636		623,165	573,015	513,000	380,600				1,218,309	100,988	7,950,120	19.03	417,768	
LAKE ELMO	240,499	375,060	27																

COMPARISON OF NEEDS BETWEEN 1991 AND 1992

Needs Year	Grading	Complete Storm Sewer	Sewer Adjustment	Base Needs	Surface Needs	Total Shoulder Needs	Curb & Gutter Construction
1992	\$164,645,555	\$154,460,880	\$19,464,280	\$212,835,958	\$245,860,049	\$906,556	\$77,005,448
1991	\$157,887,018	\$150,306,520	\$17,164,080	\$206,618,825	\$232,471,628	\$934,129	\$76,013,821
Difference	\$6,758,537	\$4,154,360	\$2,300,200	\$6,217,133	\$13,388,421	(\$27,573)	\$991,627
%	4.10%	2.69%	11.82%	2.92%	5.45%	-3.04%	1.29%
Needs Year	Sidewalk Construction	Traffic Signal Construction	Street Lighting Construction	Retaining Walls	Total Bridge Needs	Railroad Crossing Needs	Engineering
1992	\$85,881,380	\$87,715,600	\$47,923,800	\$7,115,135	\$80,288,039	\$31,168,175	\$225,156,163
1991	\$80,266,312	\$80,830,565	\$37,912,960	\$7,070,385	\$75,494,432	\$30,227,450	\$207,575,813
Difference	\$5,615,068	\$6,885,035	\$10,010,840	\$44,750	\$4,793,607	\$940,725	\$17,580,350
%	6.54%	7.85%	20.89%	0.63%	5.97%	3.02%	7.81%
Needs Year	Total Maintenance Needs	Total Apportionment Cost	Total Mileage	After the fact Right of way Needs	After the fact Bridge Needs	Overall Apportionment Needs	Needs To Apport. Ratio
1992	\$13,559,324	\$1,447,578,988	2404.88	35,994,743	13,193,150	1,496,766,881	18.4536
1991	\$13,318,092	\$1,374,092,030	2376.79	30,389,331	13,438,470	1,417,919,831	17.4815
Difference	\$241,232	\$73,486,958	28.09	\$5,605,412	(\$245,320)	\$78,847,050	
%	1.78%	5.08%	1.17%	15.57%	-1.86%	5.27%	

Tentative 1993 Money Needs Apportionment Determination

This tabulation shows each municipality's tentative money needs apportionment based on a projected apportionment amount. The actual amount of the road user fund for distribution to the Municipal State Aid Account will not be available until January 1993.

The 25-year construction needs or money needs shown on this report are those computed from the "1992 Needs Study Update". The adjusted 25 year construction needs are the result of subtracting for the Unencumbered Construction Fund and adding or subtracting for Bond Accounts, adding Non-existing Bridge Adjustments, adding Right-of-Way "After the fact needs", and subtracting for the cost of Bituminous Overlays and Concrete Joint Repairs on segments that receive complete needs. These adjustments to the actual needs are made as directed by the Screening Board Resolutions. This summary provides specific data and shows the impact of the adjustment to each municipality for the Screening Board's use in establishing the 1993 tentative Money Needs Apportionment Determination. Two items that will have an impact on the 1993 money needs apportionment is the deduction of the total unencumbered balance and the elimination of the off-system expenditure adjustment.

The adjustments are listed individually following the tentative summary of adjustments to the 25 year actual 1992 Money Needs.

DETERMINATION OF THE 1993 MONEY NEEDS APPORTIONMENT

Needs value: \$100 in needs = approximately \$2.95 in Apportionment

Municipality	1992 Actual 25-Year Const. Needs	(-) Unencumbered Construction Fund Balance Deduction	(+ or -) Bond Account Adjustment	(+) Non-Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	(-) Bituminous Overlay And Concrete Joint Repair	Total Affect Of Adjustments	1992 Adjusted Money Needs	Money Needs Apportionment Minus Turnback Maintenance	(+) Turnback Maintenance Adjustment	Tentative 1993 Money Needs Apportionment	% Of Total Dist.
Albert Lea	\$10,461,380	(\$1,415,623)	-	-	-	(\$63,700)	(\$1,479,323)	\$8,982,057	\$264,813	-	\$264,813	0.6530
Alexandria	7,353,634	(693,474)	-	-	-	(85,966)	(779,440)	6,574,194	193,824	-	193,824	0.4779
Andover	13,234,835	(409,012)	\$510,000	-	\$147,283	-	248,271	13,483,106	397,515	-	397,515	0.9802
Anoka	5,733,507	-	(465,000)	-	216,505	(14,214)	(262,709)	5,470,798	161,293	-	161,293	0.3977
Apple Valley	13,739,041	(1,158,246)	620,000	-	-	-	(538,246)	13,200,795	389,192	-	389,192	0.9597
Arden Hills	2,175,803	(53,187)	-	-	-	-	(53,187)	2,122,616	62,580	-	62,580	0.1543
Austin	16,666,074	(1,636,900)	-	-	-	-	(1,636,900)	15,029,174	443,097	-	443,097	1.0926
Bemidji	9,223,333	(1,147,677)	-	-	220,201	-	(927,476)	8,295,857	244,582	-	244,582	0.6031
Blaine	18,245,409	(1,712,325)	-	-	71,141	-	(1,641,184)	16,604,225	489,534	-	489,534	1.2071
Bloomington	61,629,186	(4,841,250)	-	2,326,375	832,491	(66,884)	(1,749,268)	59,879,918	1,765,408	-	1,765,408	4.3531
Brainerd	5,742,330	(928,623)	225,000	-	-	-	(703,623)	5,038,707	148,554	-	148,554	0.3663
Brooklyn Center	13,087,687	(848,305)	878,461	-	947,561	-	977,717	14,065,404	414,683	-	414,683	1.0225
Brooklyn Park	16,175,328	(4,041,881)	-	-	6,632	-	(4,035,249)	12,140,079	357,920	11,016	368,936	0.9097
Buffalo	4,216,332	(470,814)	-	-	-	-	(470,814)	3,745,518	110,427	-	110,427	0.2723
Burnsville	18,202,355	(694,889)	-	349,684	1,328,186	-	982,981	19,185,336	565,631	-	565,631	1.3947
Cambridge	4,431,740	(198,367)	-	-	-	-	(198,367)	4,233,373	124,810	-	124,810	0.3078
Champlin	4,707,110	(395,175)	-	-	120,394	-	(274,781)	4,432,329	130,676	3,888	134,564	0.3318
Chanhassen	8,350,907	(756,899)	-	-	65,000	-	(691,899)	7,659,008	225,807	-	225,807	0.5568
Chaska	8,566,578	(807,407)	-	-	92,467	-	(714,940)	7,851,638	231,486	-	231,486	0.5708
Chisholm	3,750,220	(31,367)	-	-	-	-	(31,367)	3,718,853	109,641	-	109,641	0.2704
Cloquet	11,542,202	(1,008,326)	-	-	73,539	-	(934,787)	10,607,415	312,733	-	312,733	0.7711
Columbia Heights	6,961,287	(1,253,258)	-	-	133,200	(197,318)	(1,317,376)	5,643,911	166,396	-	166,396	0.4103
Coon Rapids	15,691,149	(1,638,973)	943,248	-	1,003,152	-	307,427	15,998,576	471,678	-	471,678	1.1631
Corcoran	5,678,642	-	-	-	-	-	0	5,678,642	167,420	-	167,420	0.4128
Cottage Grove	14,692,539	(1,201,371)	(433,814)	-	66,103	-	(1,569,082)	13,123,457	386,912	-	386,912	0.9540
Crookston	5,583,120	(577,695)	-	-	1,103,538	(2,000)	528,843	6,111,963	180,196	6,048	186,244	0.4592
Crystal	9,995,410	(2,008,774)	-	-	3,219,277	(8,257)	1,202,246	11,197,656	330,135	-	330,135	0.8140
Detroit Lakes	3,666,183	(147,852)	-	-	-	-	(147,852)	3,518,331	103,729	-	103,729	0.2558
Duluth	63,564,381	(2,157,802)	(60,274)	1,054,200	125,849	(1,014,618)	(2,052,645)	61,511,736	1,813,519	3,960	1,817,479	4.4815
Eagan	15,693,576	(742,069)	2,150,000	-	392,508	-	1,800,439	17,494,015	515,767	-	515,767	1.2718
East Bethel	3,410,382	-	-	-	17,200	-	17,200	3,427,582	101,054	-	101,054	0.2492
East Grand Forks	3,351,999	(294,204)	60,000	-	121,700	-	(112,504)	3,239,495	95,508	-	95,508	0.2355
Eden Prairie	21,493,079	-	411,663	974,299	-	-	1,385,962	22,879,041	674,531	-	674,531	1.6633
Edina	21,217,455	(3,800,549)	-	-	45,296	-	(3,755,253)	17,462,202	514,829	-	514,829	1.2695
Elk River	8,742,934	(96,831)	-	-	8,000	-	(88,831)	8,654,103	255,144	-	255,144	0.6291
Fairmont	11,946,243	(493,097)	-	-	74,988	-	(418,109)	11,528,134	339,878	-	339,878	0.8381
Falcon Heights	365,400	(51,442)	(27,988)	-	-	-	(79,430)	285,970	8,431	-	8,431	0.0208
Faribault	11,687,972	(700,505)	-	-	2,346	-	(698,159)	10,989,813	324,007	-	324,007	0.7989
Farmington	7,612,490	-	-	-	23,046	-	23,046	7,635,536	225,115	-	225,115	0.5551
Fergus Falls	7,610,057	(557,244)	-	-	67,200	(40,902)	(530,946)	7,079,111	208,710	-	208,710	0.5146
Forest Lake	2,789,215	(97,095)	-	-	-	-	(97,095)	2,692,120	79,370	-	79,370	0.1957
Fridley	10,006,005	(1,432,926)	-	-	5,205	-	(1,427,721)	8,578,284	252,909	-	252,909	0.6236
Golden Valley	14,575,084	(1,860,667)	-	-	1,140,625	-	(720,042)	13,855,042	408,481	-	408,481	1.0072
Grand Rapids	5,023,023	(385,669)	-	553,858	-	-	168,189	5,191,212	153,050	-	153,050	0.3774
Ham Lake	3,716,833	(420,034)	10,000	-	26,016	-	(384,018)	3,332,815	98,260	-	98,260	0.2423
Hastings	4,197,097	-	-	233,038	17,620	-	250,658	4,447,755	131,131	-	131,131	0.3233
Hermantown	5,854,971	(854,291)	-	-	45,608	(182,219)	(90,907)	4,864,064	143,405	-	143,405	0.3536
Hibbing	24,878,305	(187,941)	-	-	73,725	-	(109,216)	24,769,089	730,254	18,864	749,118	1.8472
Hopkins	6,375,116	-	-	-	-	-	0	6,375,116	187,954	-	187,954	0.4635
Hutchinson	5,294,324	(1,036,002)	-	570,793	-	-	(465,209)	4,829,115	142,374	-	142,374	0.3511
International Falls	5,077,574	(259,767)	-	-	-	-	(259,767)	4,817,807	142,041	-	142,041	0.3502
Inver Grove Heights	7,950,120	(717,227)	-	-	953,329	-	241,102	8,191,222	241,498	-	241,498	0.5955
Lake Elmo	2,880,283	(549,364)	-	-	100,641	-	(448,723)	2,431,560	71,688	-	71,688	0.1768
Lakeville	21,077,762	-	-	-	170,254	-	170,254	21,248,016	626,444	-	626,444	1.5447
Lino Lakes	7,197,774	(72,224)	-	-	64,950	-	(7,274)	7,190,500	211,994	-	211,994	0.5227
Litchfield	3,484,411	(693,382)	-	-	-	-	(693,382)	2,791,029	82,286	-	82,286	0.2029
Little Canada	2,919,204	(168,209)	261,783	-	43,300	-	136,874	3,056,078	90,101	-	90,101	0.2222
Little Falls	6,671,207	(60,703)	-	-	131,745	-	71,042	6,742,249	198,778	-	198,778	0.4901
Mahtomedi	1,887,844	(129,975)	-	-	-	-	(129,975)	1,757,869	51,826	-	51,826	0.1278
Mankato	16,839,482	(515,258)	-	-	424,406	-	(90,852)	16,748,630	493,791	5,328	499,119	1.2307
Maple Grove	20,522,017	(344,594)	(19,701)	-	541,486	-	177,191	20,699,208	610,264	3,600	613,864	1.5137
Maplewood	10,577,552	(1,971,646)	-	-	-	-	(1,971,646)	8,605,906	253,723	-	253,723	0.6256
Marshall	3,325,902	(239,117)	(74,504)	-	60,338	-	(253,283)	3,072,619	90,588	-	90,588	0.2234
Mendota Heights	4,288,256	(409,469)	110,000	-	8,970	-	(290,499)	3,997,757	117,864	-	117,864	0.2906
Minneapolis	174,488,480	(16,826,542)	-	1,493,191	6,600,348	(71,714)	(8,804,717)	165,683,763	4,884,768	-	4,884,768	12.0448
Minnnetonka	27,192,395	(4,201,588)	-	-	282,150	-	(3,919,438)	23,272,957	686,145	-	686,145	1.6919
Montevideo	3,785,229	(577,002)	-	-	-	-	(577,002)	3,208,227	94,586	-	94,586	0.2332
Monticello	3,073,266	(122,497)	-	-	-	-	(122,497)	2,950,769	86,996	-	86,996	0.2145
Moorhead	13,134,069	(1,896,260)	-	-	80,305	(204,508)	(2,020,463)	11,113,606	327,657	-	327,657	0.8079
Morris	2,371,993	(137,342)	-	-	15,476	-	(121,866)	2,250,127	66,339	-	66,339	0.1636
Mound	3,466,248	(559,158)	-	-	107,446	-	(451,712)	3,014,536	88,876	-	88,876	0.2191
Mounds View	2,255,139	(919,707)	-	-	-	-	(919,707)	1,335,432	39,372	-	39,372	0.0971
New Brighton	6,894,734	(1,140,119)	-	-	-	-	(1,140,119)	5,754,615	169,660	-	169,660	0.4183
New Hope	8,145,909	(412,915)	-	-	183,000	(174,832)	(404,747)	7,741,162	228,229	-	228,229	0.5628
New Ulm	7,786,010	-	-	-	-	-	0	7,786,010	229,551	-	229,551	0.5660
Northfield	7,176,261	(1,117,486)	-	-	8,850	-	(1,108,636)	6,067,625	178,889	-	178,889	0.4411
North Mankato	5,330,419	(56,475)	275,000	-	395,146	-	613,671	5,944,090	175,247	-	175,247	0.4321
North St. Paul	3,683,007	(333,862)	-	-	78,068	(278,676)	(534,470)	3,148,537	92,827	-	92,827	0.2289
Oakdale	7,792,006	(319,639)	-	-	59,819	-	(259,820)	7,532,186	222,068	-	222,068	0.5476
Orono	7,454,286	(927,233)	(65,253)	-	-	-	(992,486)	6,461,800	190,510	-	190,510	0.4698
Otsego	8,269,909	(211,714)	-	-	-	-	(211,714)	8,058,195	237,576	-	237,576	0.5858
Owatonna	11,122,658	(658,886)	-	-	34,121	-	(624,765)	10,497,893	309,504	-	309,504	0.7632
Plymouth	21,749,568	(2,931,460)	-	-	108,205	-	(2,823,255)	18,926,313	557,995	-	557,995	1.3759
Prior Lake	6,835,524	(894,644)	-	-	209,125	-	(685,519)	6,150,005	181,317	-	181,317	0.4471
Ramsey	8,467,692	(697,979)	500,000	-	180,075	-	(17,904)	8,449,788	249,121	-	249,121	0.6143
Red Wing	12,861,063	(1,332,349)	-	1,145,475	62,176	-	(124,698)	12,736,365	375,500	-	375,500	0.9259
Richfield	16,104,700	(2,692,790)	-	-	2,904,571	-	211,781	16,316,481	481,050	-	481,050	1.1862
Robbinsdale	5,640,357	(553,575)	-	-	-	-	(553,575)	5,086,782	149,971	-	149,971	0.3698
Rochester	33,792,718	(2,719,447)	-	-	3,463,291	(170,511)	573,333	34,366,051	1,013,196	-	1,013,196	2.4983
Rosemount	10,085,412	(363,462)	-	-	-	-	(363,462)	9,721,950	286,627	-	286,627	0.7068
Roseville	6,615,154	(1,332,407)	1,790,000	2,814,714	1							

UNENCUMBERED CONSTRUCTION FUND BALANCE ADJUSTMENT

The 1992 amount available is the unencumbered construction fund balance adjustment and is deducted from the city's total needs. See Screening Board Resolution.

In the past, whenever a city exceeded the ratio between the construction allotment and the amount available by three times would receive an additional adjustment to their needs. 28 cities, indicated by shading in the ratio column, exceeded their construction allotment by three times.

Municipalities	Amount Available 9-1-91	Amount Available 9-1-92	Difference Between 1991 and 1992	Percentage of Total Amount in 1992 Account	Ratio to the City's Construction Allotment
Albert Lea	\$1,189,539	\$1,415,623	\$226,084	1.0783	2.7226
Alexandria	404,063	693,474	289,411	0.5283	2.3242
Andover	317,109	409,012	91,903	0.3116	0.9410
Anoka	464,906	0	(464,906)	0.0000	0.0000
Apple Valley	741,564	1,158,246	416,682	0.8823	1.9577
Arden Hills	0	53,187	53,187	0.0405	0.2720
Austin	1,549,014	1,636,900	87,886	1.2469	2.1818
Bemidji	1,038,068	1,147,677	109,609	0.8742	3.7000
Blaine	1,535,212	1,712,325	177,113	1.3044	2.5163
Bloomington	4,172,452	4,841,250	668,798	3.6878	2.2791
Brainerd	784,768	928,623	143,855	0.7074	3.7316
Brooklyn Center	780,493	848,305	67,812	0.6462	1.6104
Brooklyn Park	3,453,875	4,041,881	588,006	3.0789	4.3448
Buffalo	295,672	470,814	175,142	0.3586	2.6882
Burnsville	624,305	694,889	70,584	0.5293	0.7230
Cambridge	0	198,367	198,367	0.1511	1.0000
Champlin	113,016	395,175	282,159	0.3010	1.0518
Chanhassen	425,582	756,899	331,317	0.5766	2.2845
Chaska	503,186	807,407	304,221	0.6150	2.8408
Chisholm	49,308	31,367	(17,941)	0.0239	0.1712
Cloquet	974,904	1,008,326	33,422	0.7681	2.1600
Columbia Heights	927,893	1,253,258	325,365	0.9547	3.6556
Coon Rapids	1,517,073	1,638,973	121,900	1.2485	1.4743
Corcoran	181,563	0	(181,563)	0.0000	0.0000
Cottage Grove	674,098	1,201,371	527,273	0.9151	2.0980
Crookston	0	577,695	577,695	0.4401	1.8409
Crystal	1,470,740	2,008,774	538,034	1.5302	3.7336
Detroit Lakes	1,811	147,852	146,041	0.1126	0.7012
Duluth	1,434,115	2,157,802	723,687	1.6437	0.9326
Eagan	742,833	742,069	(764)	0.5653	0.9307
East Bethel	68,512	0	(68,512)	0.0000	0.0000
East Grand Forks	100,551	294,204	193,653	0.2241	1.4100
Eden Prairie	214,128	0	(214,128)	0.0000	0.0000
Edina	2,911,521	3,800,549	889,028	2.8951	4.2750
Elk River	78,458	96,831	18,373	0.0738	0.2469
Fairmont	247,384	493,097	245,713	0.3756	0.9518

Municipalities	Amount Available 9-1-91	Amount Available 9-1-92	Difference Between 1991 and 1992	Percentage of Total Amount in 1992 Account	Ratio to the City's Construction Allotment
Falcon Heights	\$0	\$51,442	\$51,442	0.0392	0.5458
Faribault	725,144	700,505	(24,639)	0.5336	1.6503
Farmington	248,820	0	(248,820)	0.0000	0.0000
Fergus Falls	365,589	557,244	191,655	0.4245	1.4045
Forest Lake	269,926	97,095	(172,831)	0.0740	0.7959
Fridley	1,952,505	1,432,926	(519,579)	1.0915	3.0688
Golden Valley	1,560,744	1,860,667	299,923	1.4174	3.3393
Grand Rapids	455,171	385,669	(69,502)	0.2938	1.8568
Ham Lake	616,669	420,034	(196,635)	0.3200	2.1284
Hastings	174,148	0	(174,148)	0.0000	0.0000
Hermantown	609,885	854,296	244,411	0.6508	3.2561
Hibbing	372,560	187,941	(184,619)	0.1432	0.2732
Hopkins	396,839	0	(396,839)	0.0000	0.0000
Hutchinson	734,487	1,036,002	301,515	0.7892	3.4360
International Falls	603,643	259,767	(343,876)	0.1979	1.0458
Inver Grove Heights	448,166	717,227	269,061	0.5463	1.6159
Lake Elmo	426,860	549,364	122,504	0.4185	4.4845
Lakeville	171,516	0	(171,516)	0.0000	0.0000
Lino Lakes	891,191	72,224	(818,967)	0.0550	0.2964
Litchfield	519,393	693,382	173,989	0.5282	3.9002
Little Canada	8,077	168,209	160,132	0.1281	1.0733
Little Falls	497,942	60,703	(437,239)	0.0462	0.2125
Mahtomedi	0	129,975	129,975	0.0990	1.0000
Mankato	973,162	515,258	(457,904)	0.3925	0.5810
Maple Grove	82,362	344,594	262,232	0.2625	0.3717
Maplewood	1,662,967	1,971,646	308,679	1.5019	3.7009
Marshall	555,791	239,117	(316,674)	0.1821	1.2181
Mendota Heights	690,208	409,469	(280,739)	0.3119	2.4979
Minneapolis	20,027,879	16,826,542	(3,201,337)	12.8175	1.6949
Minnnetonka	3,083,393	4,201,588	1,118,195	3.2005	3.2666
Montevideo	429,149	577,002	147,853	0.4395	3.9026
Monticello	0	122,497	122,497	0.0933	0.7743
Moorhead	1,621,584	1,896,260	274,676	1.4445	2.5734
Morris	0	137,342	137,342	0.1046	0.9552
Mound	496,448	559,158	62,710	0.4259	3.3745
Mounds View	753,188	919,707	166,519	0.7006	5.5232
New Brighton	23,263	1,140,119	1,116,856	0.8685	3.1407
New Hope	0	412,915	412,915	0.3145	1.0000
New Ulm	173,932	0	(173,932)	0.0000	0.0000
Northfield	818,197	1,117,486	299,289	0.8512	3.6871
North Mankato	443,665	56,475	(387,190)	0.0430	0.2575
North St. Paul	260,695	333,862	73,167	0.2543	1.7916

Municipalities	Amount Available 9-1-91	Amount Available 9-1-92	Difference Between 1991 and 1992	Percentage of Total Amount in 1992 Account	Ratio to the City's Construction Allotment
Oakdale	\$0	\$319,639	\$319,639	0.2435	0.8863
Orono	823,540	927,233	103,693	0.7063	4.5521
Otsego	344,397	211,714	(132,683)	0.1613	0.8782
Owatonna	115,632	658,886	543,254	0.5019	1.1324
Plymouth	1,610,330	2,931,460	1,321,130	2.2330	2.2337
Prior Lake	600,555	894,644	294,089	0.6815	2.8034
Ramsey	551,516	697,979	146,463	0.5317	2.2301
Red Wing	1,017,545	1,332,349	314,804	1.0149	3.2445
Richfield	2,028,566	2,692,790	664,224	2.0512	3.5735
Robbinsdale	1,019,686	553,575	(466,111)	0.4217	1.7259
Rochester	3,434,036	2,719,447	(714,589)	2.0715	1.7174
Rosemount	0	363,462	363,462	0.2769	0.9874
Roseville	1,483,800	1,332,407	(151,393)	1.0150	2.1142
St. Anthony	374,278	208,642	(165,636)	0.1589	1.6083
St. Cloud	1,176,980	428,502	(748,478)	0.3264	0.4990
St. Louis Park	1,202,500	1,750,817	548,317	1.3337	2.2907
St. Paul	19,092,738	22,231,686	3,138,948	16.9349	3.6926
St. Peter	226,642	292,442	65,800	0.2228	1.3322
Sartell	0	132,021	132,021	0.1006	1.0000
Sauk Rapids	514,709	721,175	206,466	0.5494	3.2788
Savage	0	0	0	0.0000	0.0000
Shakopee	988,852	1,298,117	309,265	0.9888	3.3084
Shoreview	739,744	155,763	(583,981)	0.1187	0.3512
Shorewood	385,594	475,664	90,070	0.3623	1.9984
South St. Paul	690,661	985,321	294,660	0.7506	2.5635
Spring Lake Park	135,248	244,355	109,107	0.1861	2.2396
Stillwater	1,279,535	1,349,486	69,951	1.0280	3.5485
Thief River Falls	169,570	367,263	197,693	0.2798	1.1946
Vadnais Heights	537,792	35,612	(502,180)	0.0271	0.1724
Virginia	31,970	241,019	209,049	0.1836	1.0558
Waite Park	0	0	0	0.0000	0.0000
Waseca	594,136	198,320	(395,816)	0.1511	1.3021
West St. Paul	563,040	409,048	(153,992)	0.3116	1.1509
White Bear Lake	1,159,134	531,948	(627,186)	0.4052	1.1247
Willmar	0	224,902	224,902	0.1713	0.5487
Winona	834,924	614,922	(220,002)	0.4684	1.2110
Woodbury	1,860,880	1,988,949	128,069	1.5151	3.4647
Worthington	942,243	1,077,930	135,687	0.8211	3.8327
TOTAL	\$120,663,647	\$131,277,420	\$10,613,773	100.0000	1.9683

UNMORTIZED BOND ACCOUNT BALANCE
 (Amount as of December 31, 1991)
 (For Reference, see Bond Adjustment Resolution)

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.

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.

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

The bond account adjustment is computed by using step A and B.

Step A: Amount of issue minus disbursements = unencumbered balance.

Step B: Unamortized bond balance minus unencumbered balance = bond account adjustment.

Municipality	Date of Issue	Amount of Issue	Unamortized Bond Balance	Total Disbursements and Obligations As of December 31, 1991	Unencumbered Bond Balance Available	Off System Disbursement	Bond Account Adjustment
Andover	9-01-84	\$510,000	\$160,000	\$510,000	\$0		\$160,000
Andover	8-01-88	500,000	350,000	500,000	0		350,000
Anoka	7-01-86	985,000	520,000	0	985,000		(465,000)
Apple Valley	12-01-74	100,000	20,000	100,000	0		20,000
Apple Valley	8-01-79	875,000	600,000	875,000	0		600,000
Apple Valley	09-09-91	1,730,000	1,730,000	0	1,730,000		0
Brainerd	10-01-85	430,000	225,000	430,000	0		225,000
Brooklyn Center	9-01-91	3,000,000	3,000,000	878,461	2,121,539		878,461
Coon Rapids	8-01-90	1,935,000	1,550,000	1,328,248	606,752		943,248
Cottage Grove	5-01-77	560,000	195,000	541,186	18,814		176,186
Cottage Grove	5-01-78	610,000	0	0	610,000		(610,000)
Duluth	4-01-85	1,425,000	0	1,364,726	60,274		(60,274)

Municipality	Date of Issue	Amount of Issue	Unamortized Bond Balance	Total Disbursements and Obligations As of December 31, 1991	Unencumbered Bond Balance Available	Off System Disbursement	Bond Account Adjustment
Eagan	7-01-86	\$3,000,000	\$2,150,000	\$3,000,000	\$0		\$2,150,000
East Grand Forks	9-01-65	325,000	60,000	325,000	0		60,000
Eden Prairie	12-01-82	2,300,000	500,000	2,211,663	88,337		411,663
Falcon Heights	4-21-80	170,000	0	142,012	27,988		(27,988)
Ham Lake	7-01-80	330,000	10,000	330,000	0		10,000
Little Canada	10-01-81	225,000	85,000	91,783	133,217		(48,217)
Little Canada	8-01-86	340,000	310,000	340,000	0		310,000
Maple Grove	7-16-79	1,100,000	0	1,080,299	19,701		(19,701)
Marshall	7-01-81	310,000	0	235,496	74,504		(74,504)
Mendota Heights	3-01-75	360,000	110,000	360,000	0		110,000
North Mankato	6-01-86	550,000	275,000	550,000	0		275,000
Orono	8-01-79	270,000	0	204,747	65,253		(65,253)
Ramsey	03-13-91	500,000	500,000	500,000	0		500,000
Roseville	12-01-85	2,225,000	1,790,000	2,225,000	0		1,790,000
St. Cloud	7-01-82	1,000,000	870,000	1,000,000	0		870,000
St. Cloud	09-01-83	1,645,000	1,355,000	1,645,000	0		1,355,000
St. Paul	**	**	**	**	**		79,737
Savage	10-01-87	875,000	575,000	875,000	0		575,000
Spring Lake Park	1980	195,000	0	156,107	38,893		(38,893)
Woodbury	11-12-75	263,000	0	243,853	19,147		(19,147)
TOTAL		\$28,643,000	\$16,940,000	\$22,043,581	\$6,599,419	\$0	\$10,420,318

** St. Paul – Improvement bond issue not included.

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	First Year of Adjustment	Year of Apportionment Expiration	Amount
Bloomington	1987 & 1990	2001 & 2004	\$2,326,375
Burnsville	1986	2000	349,684
* Duluth	1987	2001	1,054,200
Eden Prairie	1985	1999	974,299
Grand Rapids	1980	1994	553,858
Hastings	1983	1997	233,038
Hutchinson	1980	1994	570,793
Minneapolis	1983 & 1986	1997 & 2000	1,493,191
Red Wing	1980 & 1986	1994 & 2000	1,145,475
Roseville	1987	2001	2,814,714
St. Louis Park	1980	1994	1,356,666
St. Paul	1983	1997	320,857
TOTAL			\$13,193,150

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

PROJECT LISTING OF RIGHT-OF-WAY ACQUISITION IN 1991

MUNICIPALITY	PROJECT	PROJECT AMOUNT	TOTAL ADJUSTMENT
Anoka	103-115-05	\$1,800	
	103-116-02	38,075	
	103-122-03	145,756	
	103-129-01	<u>1,900</u>	
		187,531	\$187,531
Bemidji	105-110-04	71,722	71,722
Brooklyn Center	109-125-03	871,461	871,461
Burnsville	179-123-01	397,480	397,480
Champlin	193-103-02	24,850	24,850
Columbia Heights	113-104-07	102,700	102,700
Coon Rapids	114-121-06	468,063	468,063
Fairmont	123-106-12	51,256	51,256
Farmington	212-104-02	7,956	
	212-105-02	<u>7,957</u>	
		15,913	15,913
Hemantown	202-103-01	16,205	16,205
Inver Grove Heights	178-104-03	340,532	340,532
Lake Elmo	206-104-03	1,085	1,085
Lakeville	188-102-02	170,254	170,254
Little Falls	136-128-04	28,579	28,579
Maple Grove	189-112-01	229,860	229,860
Marshall	139-110-02	2,018	2,018
New Hope	182-103-06	183,000	183,000
North St Paul	151-251-03	53,324	53,324
Oakdale	185-121-11	59,819	59,819

MUNICIPALITY	PROJECT	PROJECT AMOUNT	TOTAL ADJUSTMENT
Plymouth	155-165-02	\$30,000	\$30,000
Richfield	157-108-02	956,633	956,633
Rochester	159-114-07	1,926,442	
	159-126-06	<u>84,591</u>	
		2,011,033	2,011,033
St. Cloud	162-108-13	26,325	26,325
St. Louis Park	163-276-24	12,083	
	163-280-17	5,230	
	163-282-14	<u>20,333</u>	
		37,646	37,646
St. Paul	164-125-21	239,003	239,003
Thief River Falls	170-105-08	40,206	40,206
Willmar	175-155-01	160,000	160,000
Woodbury	192-101-02	159,854	159,854
Total			\$6,936,352

NEEDS ADJUSTMENT FOR RIGHT-OF-WAY ACQUISITION

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

MUNICIPALITY	1977-1990	1991	1976	TOTAL
	RIGHT-OF-WAY EXPENDITURES	+ RIGHT-OF-WAY EXPENDITURES	EXPIRED RIGHT-OF-WAY EXPENDITURES	= RIGHT-OF-WAY ADJUSTMENT FOR 1993 APPORTIONMENT
Albert Lea	--	--	--	--
Alexandria	--	--	--	--
Andover	\$147,283	--	--	\$147,283
Anoka	28,974	\$187,531	--	216,505
Apple Valley	--	--	--	--
Arden Hills	--	--	--	--
Austin	--	--	--	--
Bemidji	148,479	71,722	--	220,201
Blaine	71,141	--	--	71,141
Bloomington	832,491	--	--	832,491
Brainerd	--	--	--	--
Brooklyn Center	76,100	871,461	--	947,561
Brooklyn Park	6,632	--	--	6,632
Buffalo	--	--	--	--
Burnsville	930,706	397,480	--	1,328,186
Cambridge	--	--	--	--
Champlin	95,544	24,850	--	120,394
Chanhassen	65,000	--	--	65,000
Chaska	92,467	--	--	--
Chisholm	--	--	--	--
Cloquet	73,539	--	--	73,539
Columbia Heights	30,500	102,700	--	133,200
Coon Rapids	535,089	468,063	--	1,003,152
Corcoran	--	--	--	--
Cottage Grove	66,103	--	--	66,103
Crookston	1,108,538	--	--	1,108,538
Crystal	3,219,277	--	--	3,219,277
Detroit Lakes	--	--	--	--
Duluth	175,250	--	\$49,401	125,849
Eagan	392,508	--	--	392,508
East Bethel	17,200	--	--	17,200
East Grand Forks	121,700	--	--	121,700
Eden Prairie	--	--	--	--
Edina	45,296	--	--	45,296
Elk River	8,000	--	--	8,000
Fairmont	23,732	51,256	--	74,988
Falcon Heights	--	--	--	--
Faribault	2,346	--	--	2,346
Farmington	7,133	15,913	--	23,046

MUNICIPALITY	1977-1990	1991	1976	TOTAL
	RIGHT-OF-WAY EXPENDITURES	+ RIGHT-OF-WAY EXPENDITURES	EXPIRED RIGHT-OF-WAY EXPENDITURES	= RIGHT-OF-WAY ADJUSTMENT FOR 1993 APPORTIONMENT
Fergus Falls	\$67,200	--	--	\$67,200
Forest Lake	--	--	--	--
Fridley	5,853	--	\$648	5,205
Golden Valley	1,140,625	--	--	1,140,625
Grand Rapids	--	--	--	--
Ham Lake	26,016	--	--	26,016
Hastings	17,620	--	--	17,620
Hermantown	29,403	\$16,205	--	45,608
Hibbing	78,725	--	--	78,725
Hopkins	--	--	--	--
Hutchinson	--	--	--	--
International Falls	--	--	--	--
Inver Grove Heights	617,797	340,532	--	958,329
Lake Elmo	99,556	1,085	--	100,641
Lakeville	--	170,254	--	170,254
Lino Lakes	64,950	--	--	64,950
Litchfield	--	--	--	--
Little Canada	43,300	--	--	43,300
Little Falls	103,166	28,579	--	131,745
Mahtomedi	--	--	--	--
Mankato	424,406	--	--	424,406
Maple Grove	311,626	229,860	--	541,486
Maplewood	--	--	--	--
Marshall	58,320	2,018	--	60,338
Mendota Heights	8,970	--	--	8,970
Minneapolis	6,652,348	--	52,000	6,600,348
Minnetonka	282,150	--	--	282,150
Montevideo	--	--	--	--
Monticello	--	--	--	--
Moorhead	101,305	--	21,000	80,305
Morris	15,476	--	--	15,476
Mound	107,446	--	--	107,446
Mounds View	--	--	--	--
New Brighton	--	--	--	--
New Hope	--	183,000	--	183,000
New Ulm	--	--	--	--
Northfield	8,850	--	--	8,850
North Mankato	395,146	--	--	395,146
North St. Paul	24,744	53,324	--	78,068
Oakdale	--	59,819	--	59,819
Orono	--	--	--	--
Otsego	--	--	--	--

MUNICIPALITY	1977-1990	1991	1976	TOTAL
	RIGHT-OF-WAY EXPENDITURES	+ RIGHT-OF-WAY EXPENDITURES	EXPIRED RIGHT-OF-WAY EXPENDITURES	RIGHT-OF-WAY = ADJUSTMENT FOR 1993 APPORTIONMENT
Owatonna	\$113,638	--	\$79,517	\$34,121
Plymouth	103,413	\$30,000	25,208	108,205
Prior Lake	209,125	--	--	209,125
Ramsey	187,959	--	7,884	180,075
Red Wing	76,176	--	14,000	62,176
Richfield	1,947,938	956,633	--	2,904,571
Robbinsdale	--	--	--	--
Rochester	1,456,986	2,011,033	4,728	3,463,291
Rosemount	--	--	--	--
Roseville	1,383,005	--	--	1,383,005
St. Anthony	--	--	--	--
St. Cloud	1,149,110	26,325	--	1,175,435
St. Louis Park	341,626	37,646	335,520	43,752
St. Paul	3,542,615	239,003	741,034	3,040,584
St. Peter	--	--	--	--
Sartell	--	--	--	--
Sauk Rapids	9,834	--	--	9,834
Savage	--	--	--	--
Shakopee	--	--	--	--
Shoreview	--	--	--	--
Shorewood	--	--	--	--
South St. Paul	--	--	--	--
Spring Lake Park	--	--	--	--
Stillwater	104,442	--	--	104,442
Thief River Falls	2,269	40,206	--	42,475
Vadnais Heights	--	--	--	--
Virginia	--	--	--	--
Waite Park	--	--	--	--
Waseca	5,000	--	--	5,000
West St. Paul	--	--	--	--
White Bear Lake	279,823	--	--	279,823
Willmar	22,500	160,000	--	182,500
Winona	340,950	--	--	340,950
Woodbury	80,054	159,854	--	239,908
Worthington	26,842	--	--	26,842
TOTAL	\$30,389,331	\$6,936,352	\$1,330,940	\$35,994,743

**1991 CONSTRUCTION ACCOMPLISHMENTS
BITUMINOUS OVERLAY
CONCRETE JOINT REPAIR**

IF, DURING THE PERIOD THAT COMPLETE NEEDS ARE BEING RECIEVED THE STREET IS IMPROVED WITH A BITUMINOUS OVERLAY OR CONCRETE JOINT REPAIR THE MUNICIPALITY WILL CONTINUE TO RECEIVE COMPLETE NEEDS BUT SHALL HAVE THE NON-LOCAL COST OF THE BITUMINOUS RESURFACING OR CONCRETE JOINT REPAIR CONSTRUCTION PROJECT DEDUCTED FROM ITS TOTAL NEEDS FOR A PERIOD OF TEN YEARS.

MUNICIPALITY	IMPROVEMENT	PROJECT NUMBER	MONEY NEEDS ADJUSTMENT FOR PROJECTS CONSTRUCTED IN 1991
ALBERT LEA	BIT OVERLAY	101-110-13	\$63,700
CROOKSTON	BIT OVERLAY	115-115-03	970
		115-135-05	1,030

			2,000
DULUTH	CONC JOINT REPAIR	118-104-04	82,818
	CONC JOINT REPAIR	118-111-06	11,792
	CONC JOINT REPAIR	118-115-04	240,711
	CONC JOINT REPAIR	118-135-09	34,708
	CONC JOINT REPAIR	118-137-09	20,512
	CONC JOINT REPAIR	118-148-04	29,609
	CONC JOINT REPAIR	118-172-03	27,408
	CONC JOINT REPAIR	118-183-03	104,207

			551,765
MOORHEAD	BIT OVERLAY	144-122-07	31,318
THIEF RIVER FALLS	BIT OVERLAY	170-105-08	27,407
WINONA	BIT OVERLAY	176-126-07	4,921
TOTAL			\$681,111

**TOTAL NEEDS ADJUSTMENT FOR
BITUMINOUS OVERLAY AND
CONCRETE JOINT REPAIR PROJECTS**

IF, DURING THE PERIOD THAT COMPLETE NEEDS ARE BEING RECEIVED THE STREET IS IMPROVED WITH A BITUMINOUS OVERLAY OR CONCRETE JOINT REPAIR THE MUNICIPALITY WILL CONTINUE TO RECEIVE COMPLETE NEEDS BUT SHALL HAVE THE NON-LOCAL COST OF THE BITUMINOUS RESURFACING OR CONCRETE JOINT REPAIR CONSTRUCTION PROJECT DEDUCTED FROM ITS TOTAL NEEDS FOR A PERIOD OF TEN YEARS.

MUNICIPALITY	PREVIOUS EXPENDITURES	+	1991 EXPENDITURES	=	TOTAL NEEDS ADJUSTMENT FOR THE 1993 APPORTIONMENT
ALBERT LEA	--		\$63,700		\$63,700
ALEXANDRIA	\$85,966		--		85,966
ANOKA	14,214		--		14,214
BLOOMINGTON	66,884		--		66,884
COLUMBIA HEIGHTS	197,318		--		197,318
CROOKSTON	--		2,000		2,000
CRYSTAL	8,257		--		8,257
DULUTH	462,853		551,765		1,014,618
FERGUS FALLS	40,902		--		40,902
HERMANTOWN	182,219		--		182,219
MINNEAPOLIS	71,714		--		71,714
MOORHEAD	173,190		31,318		204,508
NEW HOPE	174,832		--		174,832
NORTH ST PAUL	278,676		--		278,676
ROCHESTER	170,511		--		170,511
ST. PAUL	230,500		--		230,500
SO. ST. PAUL	11,288		--		11,288
THIEF RIVER FALLS	--		27,407		27,407
WILLMAR	50,418		--		50,418
WINONA	--		4,921		4,921
TOTAL	\$2,219,742		\$681,111		\$2,900,853

TRUNK HIGHWAY TURNBACKS

The following tabulation shows the Trunk Highway Turnback Maintenance allowance for the 1993 Apportionment. All turnbacks eligible for maintenance payments are included in this tabulation as of December 31, 1992. The total turnback maintenance apportionment has been computed in accordance with the 1967 Screening Board Resolution. (See Trunk Highway Turnback resolution.)

Msas Route No.	Date of Release	Total Mileage	Plan Approved	Miles Const.	Miles Eligible Maint.	Date of Msas Designation	Maintenance Allowance Eligible Miles X \$7,200	Total
Brooklyn Park								
137 (TH 169)	10-88	1.53	Yes	0.00	1.53	11-88	\$11,016	\$11,016
Champlin								
114 (TH 169)	10-88	0.54	Yes	0.00	0.54	11-88	3,888	3,888
Crookston								
115 (TH 75)	11-87	0.30	Yes	0.00	0.30	03-88	2,160	
144 (TH 75)	11-87	<u>1.28</u> 1.58	Yes	0.74	<u>0.54</u> 0.84	03-88	<u>3,888</u> 6,048	6,048
Duluth								
107 & 108 (TH 2)	6-91	0.55	No	0.00	0.55	08-91	3,960	3,960
Hibbing								
175 & 226 (TH 73)	6-91	2.62	No	0.00	2.62	07-91	18,864	18,864

Msas Route No.	Date of Release	Total Mileage	Plan Approved	Miles Const.	Miles Eligible Maint.	Date of Msas Designation	Maintenance Allowance Eligible Miles X \$7,200	Total
<u>Mankato</u>								
101 (TH 22)	4-85	1.10	No Yes		0.24 0.86	06-85	1,728	
124 (TH 22)		<u>0.50</u> 1.60	No	<u>0.00</u> 0.86	<u>0.50</u> 0.74	01-90	<u>3,600</u> 5,328	5,328
<u>Maple Grove</u>								
128 (TH 169)	10-88	0.50	Yes	0.00	0.50	11-88	3,600	3,600
<u>St. Cloud</u>								
115,131,145 (TH 15)	10-90	2.26	No	0.00	2.26	12-90	16,272	16,272
<u>Willmar</u>								
153 (TH 23 & 71)	10-85	3.18	Yes	2.32	0.86	01-86	6,192	6,192
153 (TH71)	10-85	<u>0.62</u> 3.80	Yes	<u>0.62</u> 2.94	<u>0.00</u> 0.86	03-90		
TOTAL		14.98		4.54	10.44			\$75,168

October 28, 1992

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 1992 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 1993 Apportionment Sum as provided by Minnesota Statutes, Chapter 162.13, Subdivision 1.

Respectfully submitted,

Dan Edwards
Chairman

Alan Gray
Vice Chairman

Ken Larson
Secretary

Approved by:

Jim Prusak
District 1

David Kildahl
District 2

Sidney Williamson
District 3

Herb Reimer
District 4

Michael Eastling
District 5

Arnold Putnam
District 6

Pete McClurg
District 7

Dale Swanson
District 8

Kenneth Haider
District 9

Kenneth Larson
Duluth

Marv Hoshaw
Minneapolis

Thomas Kuhfeld
St. Paul

Attachment: Money Needs Listing

1992 ADJUSTED MONEY NEEDS RECOMMENDATIONS

Municipality	Money Needs	Municipality	Money Needs
Albert Lea	\$8,982,057	Fergus Falls	\$7,079,111
Alexandria	6,574,194	Forest Lake	2,692,120
Andover	13,483,106	Fridley	8,578,284
Anoka	5,470,798	Golden Valley	13,855,042
Apple Valley	13,200,795	Grand Rapids	5,191,212
Arden Hills	2,122,616	Ham Lake	3,332,815
Austin	15,029,174	Hastings	4,447,755
Bemidji	8,295,857	Hermantown	4,864,064
Blaine	16,604,225	Hibbing	24,769,089
Bloomington	59,879,918	Hopkins	6,375,116
Brainerd	5,038,707	Hutchinson	4,829,115
Brooklyn Center	14,065,404	International Falls	4,817,807
Brooklyn Park	12,140,079	Inver Grove Heights	8,191,222
Buffalo	3,745,518	Lake Elmo	2,431,560
Burnsville	19,185,336	Lakeville	21,248,016
Cambridge	4,233,373	Lino Lakes	7,190,500
Champlin	4,432,329	Litchfield	2,791,029
Chanassen	7,659,008	Little Canada	3,056,078
Chaska	7,851,638	Little Falls	6,742,249
Chisholm	3,718,853	Mahtomedi	1,757,869
Cloquet	10,607,415	Mankato	16,748,630
Columbia Heights	5,643,911	Maple Grove	20,699,208
Coon Rapids	15,998,576	Maplewood	8,605,906
Corcoran	5,678,642	Marshall	3,072,619
Cottage Grove	13,123,457	Mendota Heights	3,997,757
Crookston	6,111,963	Minneapolis	165,683,763
Crystal	11,197,656	Minnnetonka	23,272,957
Detroit Lakes	3,518,331	Montevideo	3,208,227
Duluth	61,511,736	Monticello	2,950,769
Eagan	17,494,015	Moorhead	11,113,606
East Bethel	3,427,582	Morris	2,250,127
East Grand Forks	3,239,495	Mound	3,014,536
Eden Prairie	22,879,041	Mounds View	1,335,432
Edina	17,462,202	New Brighton	5,754,615
Elk River	8,654,103	New Hope	7,741,162
Fairmont	11,528,134	New Ulm	7,786,010
Falcon Heights	285,970	Northfield	6,067,625
Faribault	10,989,813	North Mankato	5,944,090
Farmington	7,635,536	North St. Paul	3,148,537

Municipality	Money Needs
Oakdale	\$7,532,186
Orono	6,461,800
Otsego	8,058,195
Owatonna	10,497,893
Plymouth	18,926,313
Prior Lake	6,150,005
Ramsey	8,449,788
Red Wing	12,736,365
Richfield	16,316,481
Robbinsdale	5,086,782
Rochester	34,366,051
Rosemount	9,721,950
Roseville	11,270,466
St. Anthony	1,317,905
St. Cloud	20,214,966
St. Louis Park	12,914,521
St. Paul	139,876,001
St. Peter	3,066,994
Sartell	2,593,337
Sauk Rapids	3,939,905
Savage	10,821,168
Shakopee	7,446,847
Shoreview	4,634,375
Shorewood	5,187,361
South St. Paul	6,685,465
Spring Lake Park	1,533,700
Stillwater	6,077,075
Thief River Falls	7,069,618
Vadnais Heights	2,211,296
Virginia	6,512,730
Waite Park	3,258,600
Waseca	1,636,540
West St. Paul	4,637,206
White Bear Lake	9,448,572
Willmar	10,571,172
Winona	10,620,026
Woodbury	14,992,184
Worthington	4,830,895
STATE TOTAL	\$1,373,008,926

THEORETICAL 1993 M.S.A.S. TOTAL APPORTIONMENT

The following tabulation shows each municipality's tentative money needs and population apportionment amounts for 1993. The tentative apportionment shown in this summary are for INFORMATIONAL PURPOSES ONLY.

The actual revenue will be announced in January, 1993, when the Commissioner of Transportation determines the annual Municipal State Aid allotment.

Municipalities	Population Apportionment	Money Needs Apportionment	Estimated 1993 total Apportionment	Distribution Percentage
Albert Lea	\$264,407	\$264,813	\$529,220	0.6525
Alexandria	115,943	193,824	309,767	0.3819
Andover	219,728	397,515	617,243	0.7610
Anoka	248,262	161,293	409,555	0.5049
Apple Valley	499,614	389,192	888,806	1.0958
Arden Hills	132,839	62,580	195,419	0.2409
Austin	316,349	443,097	759,446	0.9363
Bemidji	162,384	244,582	406,966	0.5017
Blaine	562,821	489,534	1,052,355	1.2974
Bloomington	1,246,726	1,765,408	3,012,134	3.7137
Brainerd	178,384	148,554	326,938	0.4031
Brooklyn Center	417,144	414,683	831,827	1.0256
Brooklyn Park	814,173	368,936	1,183,109	1.4587
Buffalo	99,004	110,427	209,431	0.2582
Burnsville	740,627	565,631	1,306,258	1.6105
Cambridge	73,892	124,810	198,702	0.2450
Champlin	243,309	134,564	377,873	0.4659
Chanhausen	169,417	225,807	395,224	0.4873
Chaska	163,741	231,486	395,227	0.4873
Chisholm	76,391	109,641	186,032	0.2294
Cloquet	157,185	312,733	469,918	0.5794
Columbia Heights	273,071	166,396	439,467	0.5418
Coon Rapids	765,032	471,678	1,236,710	1.5247
Corcoran	75,076	167,420	242,496	0.2990
Cottage Grove	331,194	386,912	718,106	0.8854
Crookston	117,243	186,244	303,487	0.3742
Crystal	343,512	330,135	673,647	0.8305
Detroit Lakes	103,178	103,729	206,907	0.2551
Duluth	1,234,567	1,817,479	3,052,046	3.7629
Eagan	684,612	515,767	1,200,379	1.4799
East Bethel	116,246	101,054	217,300	0.2679
East Grand Forks	125,026	95,508	220,534	0.2719
Eden Prairie	567,673	674,531	1,242,204	1.5315
Edina	665,276	514,829	1,180,105	1.4549
Elk River	160,911	255,144	416,055	0.5130
Fairmont	162,673	339,878	502,551	0.6196

Municipalities	Population Apportionment	Money Needs Apportionment	Estimated 1993 total Apportionment	Distribution Percentage
Falcon Heights	\$77,690	\$8,431	\$86,121	0.1062
Faribault	246,789	324,007	570,796	0.7037
Farmington	85,777	225,115	310,892	0.3833
Fergus Falls	178,514	208,710	387,224	0.4774
Forest Lake	84,232	79,370	163,602	0.2017
Fridley	409,173	252,909	662,082	0.8163
Golden Valley	302,833	408,481	711,314	0.8770
Grand Rapids	115,178	153,050	268,228	0.3307
Ham Lake	128,868	98,260	227,128	0.2800
Hastings	223,034	131,131	354,165	0.4366
Hermantown	97,633	143,405	241,038	0.2972
Hibbing	260,594	749,118	1,009,712	1.2449
Hopkins	238,760	187,954	426,714	0.5261
Hutchinson	166,399	142,374	308,773	0.3807
International Falls	120,218	142,041	262,259	0.3233
Inver Grove Heights	324,580	241,498	566,078	0.6979
Lake Elmo	84,867	71,688	156,555	0.1930
Lakeville	358,906	626,444	985,350	1.2148
Lino Lakes	127,178	211,994	339,172	0.4182
Litchfield	87,235	82,286	169,521	0.2090
Little Canada	129,546	90,101	219,647	0.2708
Little Falls	104,434	198,778	303,212	0.3738
Mahtomedi	80,419	51,826	132,245	0.1630
Mankato	454,545	499,119	953,664	1.1758
Maple Grove	559,369	613,864	1,173,233	1.4465
Maplewood	446,993	253,723	700,716	0.8639
Marshall	173,619	90,588	264,207	0.3257
Mendota Heights	136,189	117,864	254,053	0.3132
Minneapolis	5,319,656	4,884,768	10,204,424	12.5810
Minnetonka	698,490	686,145	1,384,635	1.7071
Montevideo	79,409	94,586	173,995	0.2145
Monticello	72,853	86,996	159,849	0.1971
Moorhead	466,358	327,657	794,015	0.9789
Morris	81,055	66,339	147,394	0.1817
Mound	139,120	88,876	227,996	0.2811
Mounds View	181,099	39,372	220,471	0.2718
New Brighton	320,681	169,660	490,341	0.6045
New Hope	315,570	228,229	543,799	0.6704
New Ulm	189,633	229,551	419,184	0.5168
Northfield	212,045	178,889	390,934	0.4820
North Mankato	146,774	175,247	322,021	0.3970
North St. Paul	178,716	92,827	271,543	0.3348

Municipalities	Population Apportionment	Money Needs Apportionment	Estimated 1993 total Apportionment	Distribution Percentage
Oakdale	\$265,706	\$222,068	\$487,774	0.6014
Orono	105,199	190,510	295,709	0.3646
Otsego	75,365	237,576	312,941	0.3858
Owatonna	279,945	309,504	589,449	0.7267
Plymouth	734,866	557,995	1,292,861	1.5940
Prior Lake	165,806	181,317	347,123	0.4280
Ramsey	179,178	249,121	428,299	0.5280
Red Wing	218,543	375,500	594,043	0.7324
Richfield	515,672	481,050	996,722	1.2289
Robbinsdale	207,886	149,971	357,857	0.4412
Rochester	1,025,236	1,013,196	2,038,432	2.5132
Rosemount	124,506	286,627	411,133	0.5069
Roseville	483,542	332,281	815,823	1.0058
St. Anthony	111,582	38,855	150,437	0.1855
St. Cloud	704,872	612,259	1,317,131	1.6239
St. Louis Park	632,309	380,752	1,013,061	1.2490
St. Paul	3,931,225	4,123,891	8,055,116	9.9311
St. Peter	136,911	90,423	227,334	0.2803
Sartell	78,109	76,458	154,567	0.1906
Sauk Rapids	112,997	116,158	229,155	0.2825
Savage	143,048	319,035	462,083	0.5697
Shakopee	169,518	219,552	389,070	0.4797
Shoreview	355,050	136,633	491,683	0.6062
Shorewood	85,445	152,936	238,381	0.2939
South St. Paul	291,656	197,104	488,760	0.6026
Spring Lake Park	94,326	45,217	139,543	0.1720
Stillwater	200,464	179,167	379,631	0.4680
Thief River Falls	115,669	208,430	324,099	0.3996
Vadnais Heights	159,438	65,195	224,633	0.2769
Virginia	135,886	192,011	327,897	0.4043
Waite Park	72,578	96,072	168,650	0.2079
Waseca	121,084	48,249	169,333	0.2088
West St. Paul	277,952	136,716	414,668	0.5112
White Bear Lake	356,740	278,567	635,307	0.7833
Willmar	253,157	317,856	571,013	0.7040
Winona	366,776	313,105	679,881	0.8382
Woodbury	289,894	442,007	731,901	0.9024
Worthington	144,073	142,427	286,500	0.3532
TOTAL	\$40,554,876	\$40,554,876	\$81,109,752	100.0000

COMPARISON OF THE 1992 TO 1993 APPORTIONMENT

Municipality	1992 Total Apportionment	Estimated 1993 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Albert Lea	\$546,227	\$529,220	(\$17,007)	-3.113
Alexandria	315,076	309,767	(5,309)	-1.684
Andover	626,587	617,243	(9,344)	-1.491
Anoka	400,737	409,555	8,818	2.200
Apple Valley	910,223	888,806	(21,417)	-2.352
Arden Hills	200,341	195,419	(4,922)	-2.457
Austin	783,753	759,446	(24,307)	-3.101
Bemidji	413,574	406,966	(6,608)	-1.597
Blaine	907,311	1,052,355	145,044	15.986
Bloomington	2,955,404	3,012,134	56,730	1.919
Brainerd	349,766	326,938	(22,828)	-6.526
Brooklyn Center	810,390	831,827	21,437	2.645
Brooklyn Park	1,240,378	1,183,109	(57,269)	-4.617
Buffalo	233,522	209,431	(24,091)	-10.316
Burnsville	1,281,574	1,306,258	24,684	1.926
Cambridge	205,297	198,702	(6,595)	-3.212
Champlin	392,606	377,873	(14,733)	-3.752
Chanhausen	346,631	395,224	48,593	14.018
Chaska	297,105	395,227	98,122	33.026
Chisholm	193,570	186,032	(7,538)	-3.894
Cloquet	493,218	469,918	(23,300)	-4.724
Columbia Heights	457,112	439,467	(17,645)	-3.860
Coon Rapids	1,243,086	1,236,710	(6,376)	-0.512
Corcoran	241,784	242,496	712	0.294
Cottage Grove	703,427	718,106	14,679	2.086
Crookston	327,678	303,487	(24,191)	-7.382
Crystal	717,378	673,647	(43,731)	-6.096
Detroit Lakes	224,378	206,907	(17,471)	-7.786
Duluth	3,085,087	3,052,046	(33,041)	-1.071
Eagan	1,226,621	1,200,379	(26,242)	-2.139
East Bethel	214,325	217,300	2,975	1.388
East Grand Forks	226,555	220,534	(6,021)	-2.657
Eden Prairie	1,256,752	1,242,204	(14,548)	-1.157
Edina	1,185,370	1,180,105	(5,265)	-0.444
Elk River	419,929	416,055	(3,874)	-0.922
Fairmont	543,819	502,551	(41,268)	-7.588
Falcon Heights	98,063	86,121	(11,942)	-12.177
Faribault	565,952	570,796	4,844	0.855
Farmington	303,242	310,892	7,650	2.522

Municipality	1992 Total Apportionment	Estimated 1993 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Fergus Falls	\$415,185	\$387,224	(\$27,961)	-6.7345
Forest Lake	162,663	163,602	939	0.5771
Fridley	667,050	662,082	(4,968)	-0.7447
Golden Valley	742,935	711,314	(31,621)	-4.2562
Grand Rapids	276,946	268,228	(8,718)	-3.1479
Ham Lake	224,247	227,128	2,881	1.2845
Hastings	364,911	354,165	(10,746)	-2.9447
Hermantown	281,856	241,038	(40,818)	-14.4820
Hibbing	917,400	1,009,712	92,312	10.0624
Hopkins	399,904	426,714	26,810	6.7042
Hutchinson	317,384	308,773	(8,611)	-2.7133
International Falls	260,225	262,259	2,034	0.7815
Inver Grove Heights	591,813	566,078	(25,735)	-4.3484
Lake Elmo	163,338	156,555	(6,783)	-4.1526
Lakeville	938,097	985,350	47,253	5.0371
Lino Lakes	324,928	339,172	14,244	4.3837
Litchfield	189,524	169,521	(20,003)	-10.5541
Little Canada	208,960	219,647	10,687	5.1145
Little Falls	306,045	303,212	(2,833)	-0.9256
Mahtomedi	136,245	132,245	(4,000)	-2.9355
Mankato	923,502	953,664	30,162	3.2661
Maple Grove	1,189,465	1,173,233	(16,232)	-1.3646
Maplewood	710,337	700,716	(9,621)	-1.3544
Marshall	261,746	264,207	2,461	0.9402
Mendota Heights	252,197	254,053	1,856	0.7359
Minneapolis	10,208,174	10,204,424	(3,750)	-0.0367
Minnetonka	1,352,321	1,384,635	32,314	2.3895
Montevideo	159,147	173,995	14,848	9.3295
Monticello	163,329	159,849	(3,480)	-2.1309
Moorhead	820,594	794,015	(26,579)	-3.2390
Morris	153,452	147,394	(6,058)	-3.9479
Mound	220,937	227,996	7,059	3.1952
Mounds View	222,024	220,471	(1,553)	-0.6995
New Brighton	484,021	490,341	6,320	1.3058
New Hope	550,553	543,799	(6,754)	-1.2269
New Ulm	415,608	419,184	3,576	0.8605
Northfield	404,109	390,934	(13,175)	-3.2602
North Mankato	250,997	322,021	71,024	28.2967
North St. Paul	248,459	271,543	23,084	9.2910
Oakdale	480,862	487,774	6,912	1.4375
Orono	271,589	295,709	24,120	8.8812
Otsego	321,426	312,941	(8,485)	-2.6397

Municipality	1992 Total Apportionment	Estimated 1993 Total Apportionment	Increase (Decrease) Amount	% Increase/Decrease
Owatonna	\$607,655	\$589,449	(\$18,206)	-2.99%
Plymouth	1,365,680	1,292,861	(72,819)	-5.33%
Prior Lake	349,131	347,123	(2,008)	-0.57%
Ramsey	428,481	428,299	(182)	-0.04%
Red Wing	631,767	594,043	(37,724)	-5.97%
Richfield	1,004,736	996,722	(8,014)	-0.79%
Robbinsdale	336,247	357,857	21,610	6.42%
Rochester	2,030,047	2,038,432	8,385	0.41%
Rosemount	389,637	411,133	21,496	5.51%
Roseville	840,289	815,823	(24,466)	-2.91%
St. Anthony	137,496	150,437	12,941	9.41%
St. Cloud	1,321,131	1,317,131	(4,000)	-0.30%
St. Louis Park	1,019,077	1,013,061	(6,016)	-0.59%
St. Paul	8,027,433	8,055,116	27,683	0.34%
St. Peter	232,586	227,334	(5,252)	-2.25%
Sartell	135,981	154,567	18,586	13.66%
Sauk Rapids	231,382	229,155	(2,227)	-0.96%
Savage	436,259	462,083	25,824	5.91%
Shakopee	410,539	389,070	(21,469)	-5.22%
Shoreview	458,062	491,683	33,621	7.33%
Shorewood	251,780	238,381	(13,399)	-5.32%
South St. Paul	512,483	488,760	(23,723)	-4.62%
Spring Lake Park	145,475	139,543	(5,932)	-4.07%
Stillwater	397,715	379,631	(18,084)	-4.54%
Thief River Falls	323,336	324,099	763	0.23%
Vadnais Heights	213,248	224,633	11,385	5.33%
Virginia	304,379	327,897	23,518	7.72%
Waite Park	166,650	168,650	2,000	1.20%
Waseca	161,775	169,333	7,558	4.67%
West St. Paul	425,404	414,668	(10,736)	-2.52%
White Bear Lake	630,618	635,307	4,689	0.74%
Willmar	546,534	571,013	24,479	4.47%
Winona	677,038	679,881	2,843	0.41%
Woodbury	765,406	731,901	(33,505)	-4.37%
Worthington	295,942	286,500	(9,442)	-3.19%
TOTAL	\$81,109,752	\$81,109,752	(\$0)	-0.00%

PAST HISTORY OF ADMINISTRATIVE ACCOUNT

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

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

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

RESEARCH ACCOUNT MOTION

Be it resolved that an amount of \$202,774 (not to exceed 1/4 of 1 % of the 1992 M.S.A.S. Apportionment sum of \$81,109,752) shall be set aside from the 1993 Apportionment fund and be credited to the research account.

MOTION BY:

SECONDED BY:

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

The unexpended balances in the research account at the end of the year is transferred back to the state aid fund from which it was obtained.

CURRENT RESOLUTIONS
OF THE
MUNICIPAL SCREENING BOARD

JUNE 1992

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

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 after the annual Spring meeting of the Municipal Screening Board. 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.

Screening Board Alternate Attendance - June 1979

The alternate to a third year member be invited to attend the final meeting. A formal request to the alternates governing body would request that he attend the meetings and the municipality pay for its expenses.

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.

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.

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)

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.

If, during the period that complete needs are being received the street is improved with a bituminous overlay or concrete joint repair the municipality will continue to receive complete needs but shall have the non-local cost of the bituminous resurfacing or concrete joint repair construction project deducted from its total needs for a period of ten (10) 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.

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

If a Municipal State Aid Street is constructed to a width wider than required, only the width required by rules will be allowed for future resurfacing needs.

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)

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 and County State Aid Highways.

(Nov. 1965 - Revised 1972)

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.

(Nov. 1965 - Revised 1969)

However, the maximum mileage for State Aid designation may be exceeded to the extent necessary to designate trunk highway turnbacks, only if sufficient mileage is not available as determined by the Annual Certification of Mileage.

(Jan. 1969)

Any mileage for designation prior to the trunk highway turnback shall be used for the turnback before exceeding the maximum mileage.

In the event the maximum mileage is exceeded by a trunk highway turnback, no additional designation other than trunk highway turnbacks can be considered until allowed by the computations of the Annual Certification of Mileage within which the maximum mileage for State Aid designation is determined.

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

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. The District State Aid Engineer will forward the request to the State Aid Engineer for review. A City Council resolution of approved mileage and the Needs Study reporting data must be received by the State Aid Engineer 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)

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.

A one-way street will be treated as one-half of a full four-lane width divided street of either 56 feet or 72 feet (72 feet when the projected ADT is over 8,000) for needs, and that the roadway system must be operating as one-way streets prior to the time of designation.

St. Paul

<u>MSA</u> <u>ROUTE</u> <u>NO.</u>		<u>TERMINI</u>	<u>APPROVAL</u> <u>DATE</u>	<u>MILEAGE</u>	<u>NEEDS</u> <u>WIDTH</u>
134	EB Fifth St.	- Fort Rd. (W. 7th St.)	6/89	0.85 Miles	28' & 36'
198	WB Sixth St.	to Broadway St.		0.86 Miles	36'
235	NB Wabasha St.	- Kellogg Blvd.	6/89	0.61 Miles	36'
236	SB St. Peter St.	to Twelfth St.		0.62 Miles	36'
165	NB Minnesota St.	- Kellogg Blvd.	6/89	0.47 Miles	36'
117	SB Cedar St.	to Tenth St.		0.46 Miles	36'
196	NB Sibley St.	- Shepard Road	6/89	0.34 Miles	36'
	SB Jackson St.	to Seventh St.		<u>CSAH</u>	
				4.21 Miles	

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	\$	4.50 Ton
Class 5	Spec. #2211		5.75 Ton
Bituminous	Spec. #2331		22.00 Ton

Surface:

Bituminous	Spec. #2331	\$	22.00 Ton
Bituminous	Spec. #2341		24.50 Ton
Bituminous	Spec. #2361		32.00 Ton

Shoulders:

Gravel	Spec. #2221	\$	7.00 Ton
--------	-------------	----	----------

Miscellaneous:

Storm Sewer Construction	\$199,500.00 Mile
Storm Sewer Adjustment	62,000.00 Mile
Special Drainage-Rural	25,000.00 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	5.50 Lin. Ft.
Sidewalk	14.50 Sq. Yd.
Engineering	18%

Removal Items:

Curb & Gutter	\$ 1.60 Lin. Ft.
Sidewalk	4.50 Sq. Yd.
Concrete Pavement	4.00 Sq. Yd.
Tree Removal	150.00 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.	60.00 Sq. Ft.
Bridges 500 & Over	65.00 Sq. Ft.
Bridge Widening	150.00 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	\$4,000 Lin. Ft.
Each Additional Track	\$3,000 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)	\$ 600 Unit
Rubberized Railroad Crossings (Per Track)	\$ 900 Lin. Ft.
Pavement Marking	\$ 750 Unit

Maintenance Needs Costs - June 1992

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.	\$1,200 (Per Mile)	\$2,000 (Per Mile)
Parking Lanes: Segment length times number of parking lanes times cost per mile.	\$1,200 (Per Mile)	\$1,200 (Per Mile)
Median Strip: Segment length times cost per mile.	\$ 400 (Per Mile)	\$ 800 (Per Mile)
Storm Sewer: Segment length times cost per mile.	\$ 400 (Per Mile)	\$ 400 (Per Mile)
Traffic Signals: Number of traffic signals times cost for each signal.	\$ 400 (Per Each)	\$ 400 (Per Each)
Unlimited Segments: Normal M.S.A.S. Streets.		
----- Minimum allowance for mile is determined by segment length times cost per mile.	\$4,000 (Per Mile)	\$4,000 (Per Mile)

Limited Segments: Combination Routes.

Minimum allowance for mile is determined by segment length times cost per mile.	\$2,000 (Per Mile)	\$2,000 (Per Mile)
---	-----------------------	-----------------------

NEEDS ADJUSTMENTS

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

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 period, and which annually reflects the net unamortized bonded debt shall be accomplished by adding said net unamortized amount to the computed money needs of the municipality.

For the purpose of this adjustment, the net unamortized bonded debt shall be the total unamortized bonded indebtedness less the unexpended bond amount as of December 31st of the preceding year.

That for the purpose of this separate annual adjustment, the unamortized balance of the St. Paul Bond Account, as authorized in 1953, 2nd United Improvement Program, and as authorized in 1946, Capital Approach Improvement Bonds, shall be considered in the same manner as those bonds sold and issued pursuant to Minnesota Statutes, Section 162.18.

"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."

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 September 1st of the current year shall be deducted from the 25-year total Needs of each individual municipality.

Projects that have been received before September 1st 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.