



1986

Municipal

*State Aid
Needs Report*



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M53b
1986

October 1986
(Revised)



Minnesota Department of Transportation
Transportation Building, St. Paul, MN 55155

October 31, 1986

Phone 612-296-1662

TO : MUNICIPAL ENGINEERS
SUBJECT : The Revised Municipal state Aid Needs Report

Gentlemen:

Enclosed is a revised copy of the 1986 Municipal State Aid Needs Report, which was reviewed by the Screening Committee.

The error was found to be in the Computer Program which used the same amount for a total in the estimated needs cost and the apportionment costs whenever storm sewer needs were used in the report. This amount was reflected in the grading costs on the spread sheet and changed numerous sheets in the book.

Please use the revised book instead of book that was previous sent. I am sorry if this caused an inconvenience.

Sincerely,

Kenneth Straus
Manager - MSAS

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Dept. of Transportation
Information Services**

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no longer in active use.**

P R E F A C E

The "1986 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 law and is to be made to the Commissioner on or before November 1 of each year for his final 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, 1986.

The 1980 and Special Census data is combined with the Commissioner's final money needs determination and the resulting 1987 allotments will be reported in the "1987 Municipal State Aid Apportionment Data" published in January, 1987.

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1986 MUNICIPAL SCREENING BOARD

OFFICERS

Chairman	Larry Anderson	Prior Lake	(612) 447-4230
Vice Chairman	Kenneth Saffert	Mankato	(507) 625-3161
Secretary	Fred Moore	Plymouth	(612) 559-2800

MEMBERS

<u>District</u>	<u>Served</u>	<u>Representative</u>		
1	1	Clyde Busby	Hibbing	(218) 262-3486
2	2	Gary Sanders	East Grand Forks	(218) 773-1185
3	2	Ronald Schweninger	Brainerd	(218) 829-1495
4	1	Dan Edwards	Fergus Falls	(218) 739-2251
5	3	Ronald Rudrud	Bloomington	(612) 881-5811
6	1	Richard Murphy	Austin	(507) 437-7671
7	3	Martin Menk	North Mankato	(507) 625-4171
8	2	Thomas Rodeberg	Montevideo	(612) 269-6575
9	3	Steven Gatlin	White Bear Lake	(612) 429-8526
(Three Cities		John Carlson	Duluth	(218) 723-3278
of the		Marvin Hoshaw	Minneapolis	(612) 348-2456
First Class)		Robert Peterson	St. Paul	(612) 298-5070

<u>District</u>	<u>Alternates</u>		
1	Norman Schmidt	Hermantown	(218) 729-6331
2	David Kildahl	Thief River Falls	(218) 681-2944
3	John Gilbertson	Elk River	(612) 425-2181
4	Alvin Moen	Alexandria	(612) 762-8149
5	William Ottensman	Coon Rapids	(612) 755-2880
6	Robert Bollant	Winona	(507) 452-8550
7	Vacant		
8	Marlow Priebe	Hutchinson	(612) 587-5151
9	Charles Siggerud	Burnsville	(612) 890-4100

1986 SUBCOMMITTEES APPOINTED BY THE SCREENING BOARD

NEEDS STUDY SUBCOMMITTEE

Chairman - Donald Asmus
Minnetonka
(612-933-2511)
Expires in 1986

Roger Plumb
Rochester
(507-281-6008)
Expires in 1987

Steve Gatlin
White Bear Lake
(612-429-8531)
Expires in 1988

UNENCUMBERED CONSTRUCTION FUNDS SUBCOMMITTEE

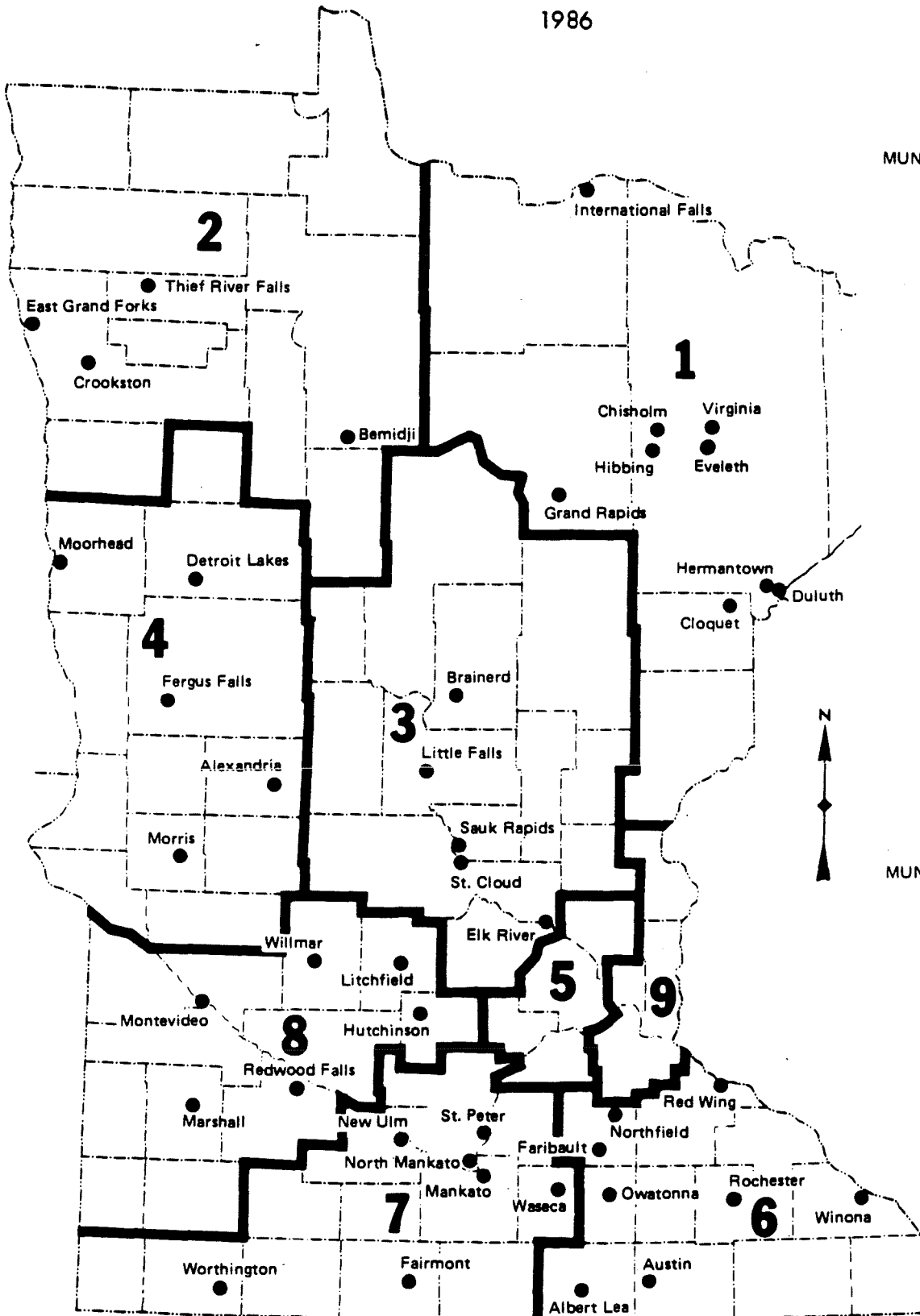
Chairman - Robert Simon
South St. Paul
(612-451-1738)
Expires in 1986

Herbert Reimer
Moorhead
(218-299-5390)
Expires in 1987

H. R. Spurrier
Brooklyn Center
(612-561-5440)
Expires in 1988

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

1986



MUNICIPALITIES IN DISTRICT 5

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

MUNICIPALITIES IN DISTRICT 9

Apple Valley
 Arden Hills
 Burnsville
 Cottage Grove
 Eagan
 Falcon Heights
 Hastings
 Inver Grove Heights
 Lake Elmo
 Lakeville
 Little Canada
 Maplewood
 Mendota Heights
 Moundsview
 New Brighton
 North Saint Paul
 Oakdale
 Rosemount
 Roseville
 Saint Paul
 Shoreview
 South Saint Paul
 Stillwater
 Vadnais Heights
 West Saint Paul
 White Bear Lake
 Woodbury

MUNICIPAL SCREENING COMMITTEE REPRESENTATIVES
Districts and First Class Cities

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
1970	BOYER	WIDSETH	KNAPP	STAHLBERG	STROJAN	ARMSTRONG	OTHMAN Mankato	PRIEBE Hutchinson
1971	BOYER	WIDSETH	KNAPP	STAHLBERG	ODLAND Golden Valley	JOHNSON Albert Lea	OTHMAN	CARLSON
1972	BOYER	WIDSETH	REED	RONNING Fergus Falls	LANGSETH Bloomington	JOHNSON	OTHMAN	PRIEBE
1973	BOYER	WIDSETH	REED	LARSON Detroit Lakes	STROJAN	ARMSTRONG	OTHMAN	PRIEBE
1974	MADSEN Hibbing	SANDERS E. Gr. Forks	KNAPP	LARSON	STROJAN	BOLLANT Winona	OTHMAN	CARLSON
1975	MADSEN	SANDERS	KNAPP	REIMER Moorhead	ASMUS Minnetonka	BOLLANT	MENK St. Peter	CARLSON
1976	BOYER	WIDSETH	KRIHA Brainerd	REIMER	ODLAND	ANDERSON Red Wing	MENK	ADEN Marshall
1977	PFUTZENREUTER Virginia	WIDSETH Crookston	KRIHA	RONNING Fergus Falls	ODLAND Golden Valley	ANDERSON	MENK	ADEN
1978	PFUTZENREUTER	WIDSETH	KRIHA	RONNING	BUTCHER Maple Grove	ANDERSON	PUTNAM New Ulm	ADEN
1979	PFUTZENREUTER	VENCEL Bemidji	ENGSTROM Little Falls	RONNING	BUTCHER	ANDERSON	PUTNAM	CARLSON Willmar
1980	MADSEN	VENCEL	ENGSTROM	REIMER	BUTCHER	LEUTH	PUTNAM	CARLSON
1981	PFUTZENREUTER	WIDSETH	ENGSTROM	REIMER	ASMUS	LUETH	ORTLOFF Waseca	CARLSON
1982	PFUTZENREUTER	FREEBERG Bemidji	DOLENTZ St. Cloud	BAKKEN Detroit Lakes	ASMUS	LUETH	ORTLOFF	ADEN
1983	PRUZAK	FREEBERG	DOLENTZ	BAKKEN	ASMUS	PLUMB Rochester	ORTLOFF	ADEN
1984	PRUZAK	SANDERS E. Grand Forks	DOLENTZ	BAKKEN	RUDRUD Bloomington	PLUMB	MENK	ADEN
1985	PRUZAK	SANDERS	SCHWENINGER Brainerd	BAKKEN	RUDRUD	PLUMB	MENK	RODEBERG Montevideo
1986	BUSBY Hibbing	SANDERS	SCHWENINGER	EDWARDS Fergus Falls	RUDRUD	MURPHY Austin	MENK	RODEBERG

MUNICIPAL SCREENING COMMITTEE REPRESENTATIVES
Districts and First Class Cities

	<u>9</u>	<u>Mpls.</u>	<u>St. Paul</u>	<u>Duluth</u>	<u>Chairman</u>	<u>Vice Chairman</u>	<u>Secretary</u>
1970	SORENSEN	SORENSEN	SCHNARR	DAVIDSON	KNAPP St. Cloud		LANGSETH Bloomington
1971	PRICE W. St. Paul	SORENSEN	SCHNARR	DAVIDSON	ODLAND Golden Valley		SIMON N. St. Paul
1972	THENE White Bear Lk.	SORENSEN	SCHNARR	DAVIDSON	LANGSETH Bloomington		CARLSON Willmar
1973	THENE	SORENSEN	SCHNARR	DAVIDSON	STROJAN Hopkins		JOHNSON Albert Lea
1974	THENE	SORENSEN	SCHNARR	DAVIDSON	CARLSON Willmar		MERILA Brooklyn Park
1975	THENE	SORENSEN	SCHNARR	DAVIDSON	JOHNSON Anoka		COOK Faribault
1976	DAVIDSON Inver Gr. Hgts.	SORENSEN	SCHNARR	DAVIDSON	MERILA Brooklyn Park		ASMUS Minnetonka
1977	DAVIDSON	SORENSEN	SCHNARR	DAVIDSON	COOK Faribault	ASMUS Minnetonka	THENE White Bear Lk.
1978	HONCHELL Roseville	SMITH	WHEELER	DAVIDSON	ASMUS Minnetonka	THENE Wh. 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 Inver 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	ANDERSON	SAFFERT Mankato
1986	GATLIN	HOSHAW	PETERSON	CARLSON	ANDERSON Prior Lake	SAFFERT Mankato	MOORE Plymouth

MINUTES
ANNUAL SPRING
MUNICIPAL SCREENING COMMITTEE
JUNE 24 AND 25, 1986

The spring meeting of the Screening Board was called to order by Chairman Anderson at 1:10 p.m., Tuesday, June 24, 1986.

PRESENT WERE:

OFFICERS:

Chairman, Larry Anderson	Prior Lake
Vice Chairman, Ken Saffert	Mankato
Secretary, Fred Moore	Plymouth

MEMBERS:

District 1 - Clyde Busby	Hibbing
District 2 - Gary Sanders	East Grand Forks
District 3 - Ron Schweninger	Brainerd
District 4 - Dan Edwards	Fergus Falls
District 5 - Ron Rudrud	Bloomington
District 6 - Richard Murphy	Austin
District 7 - Martin Menk	North Mankato
District 8 - Tom Rodenberg	Montevideo
District 9 - Steven Gatlin	White Bear Lake
First Class City - John Carlson	Duluth
First Class City - Marvin Hoshaw	Minneapolis
First Class City - Robert Peterson	St. Paul
Chairman Needs Study	
Subcommittee - Don Asmus	Minnetonka

OTHERS:

Tom Kuhfeld	St. Paul
Lowell Odland	Golden Valley
Ed Leone	Duluth
Jon Ketokoski	Minneapolis
Gordon Fay	Mn/DOT Director, Office of State Aid
Roy Hanson	Mn/DOT Assistant State Aid Engineer
Bill Croke	Mn/DOT District 1, State Aid
Jack Isaacson	Mn/DOT District 2, State Aid
Dave Reed	Mn/DOT District 3, State Aid
Vern Korzendorfer	Mn/DOT District 4, State Aid
Chuck Weichselbaum	Mn/DOT District 5, State Aid
Earl Welshons	Mn/DOT District 6, State Aid
Harv Suedbeck	Mn/DOT District 7, State Aid
* John Hoeke	Mn/DOT District 8, State Aid
* Elmer Morris	Mn/DOT District 9, State Aid
* Ken Hoeschen	Mn/DOT State Aid

*Wednesday Only

MINUTES CONSIDERATION:

Chairman Anderson called for the consideration of the minutes of the October 22 and 23, 1985, Screening Committee. Roy Hanson noted that a correction was needed in the minutes within the first paragraph at the top of Page 12. In the 5th line of this paragraph the following should be deleted: "not subject to any grants exemptions". Marv Hoshaw moved, seconded by Ron Schweninger, to approve the minutes with the correction as noted. Motion carried.

MEETING AGENDA:

Chairman Anderson stated the following were items of business for this Committee Meeting:

1. Review and approve unit prices.
2. Review and correct previous resolutions.
3. Consider requests for construction needs.
4. Other new business.

UNIT PRICES:

Roy Hanson reviewed the minutes of the Needs Subcommittee with regard to recommended unit prices as contained on Page 14 of the Screening Board data book. A summary of all the unit prices are shown on Page 47. Roy Hanson reviewed the history of the unit price data and the averages and recommendations of the Subcommittee.

Ron Schweninger, District 3, stated that the Committee should consider changing the unit price for sidewalk removal to \$4.50 per square yard.

Chairman Anderson stated that all of the unit prices would be reviewed with discussion to take place today, and any action on approving the Subcommittee's recommendation would be held until the Wednesday morning session. This will allow all members to informally discuss the various items Tuesday evening.

Don Asmus, Chairman of the Subcommittee, stated that they had looked at the trends and actual bid prices. They did not see any major changes over the past year.

Marv Hoshaw, Minneapolis, commented that the State Aid Office had done an excellent job in assembling the unit price history, and therefore, it will be hard to argue with the data.

Gordon Fay, Director of State Aid, commented that the Committee may want to review gravel shoulder prices because of the comparison with the unit prices established by the County.

Don Asmus commented that the sidewalk removal versus pavement removal costs may appear to be high, but when it is considered that the sidewalk removal includes working around existing obstructions within the sidewalk, such as underground vaults, and also that in some instances the sidewalk is tied into the adjacent buildings.

There were no further questions on the proposed unit prices as contained within the booklet on Pages 48 - 121.

CITY OF DULUTH REQUEST - CONSTRUCTION NEEDS:

Pages 122 and 123 of the booklet contains a request from the City of Duluth that the aerial bridge be included for determining "construction needs". The Needs Subcommittee considered this request at their May 13, meeting and recommended that no, after the fact, needs be granted because the bridge has been reported as adequate, and the rehabilitation did not enhance the traffic carrying capability or alter the geometrics.

John Carlson, City of Duluth, reviewed their request as indicated on Page 122 of the booklet. He reviewed the following information:

1. Based on traffic projections, a two lane bridge is adequate.
2. The bridge inventory had rated the bridge as low as nine (scale of zero to 100).
3. A variance was granted for a 24 foot width versus the required 32 foot.
4. The new construction increased the live load of the bridge.
5. The geometrics were not changed, construction costs were 4.6 million dollars.
6. The construction needs should not have been dropped in 1965 when the width changed as a result of the revised traffic projections.
7. They are requesting the needs be for the next 15 years similar to nonexisting bridges.

Don Asmus stated the Subcommittee, during their review, considered this bridge similar to other existing bridges.

John Carlson stated that of the construction costs, 25 percent was for the mechanical mechanism and the remaining 75 percent was for structural rebuilding of the bridge. All work was necessary to keep the bridge in an operating condition.

BOND ACCOUNT:

Roy Hanson reviewed the bond account as shown on Page 124. He stated that the State Aid Office will automatically apply any balance in the bond account to any new State Aid projects.

CONSTRUCTION FUND BALANCE:

Roy Hanson reviewed the Construction Fund balances as indicated on Pages 125 - 126. He stated that the Cities which exceed the maximum fund balance will be notified to appear before the Subcommittee in July.

TRAFFIC COUNTING STATUS:

Roy Hanson reviewed the status of the Traffic Counting Program as indicated on Page 127 of the report. As indicated in the Needs Subcommittee Minutes (Page 14) it is the consensus of the Subcommittee that the 2.0 projection factor is not typical of the majority of the streets on the MSA Street System. It is the recommendation of the Subcommittee to reduce the normal projection factor for all cities to 1.5. Any deviation from the normal factor is acceptable with justification and approval by the District State Aid Engineer.

CURRENT RESOLUTIONS:

Roy Hanson reported that the State Aid Office is recommending the following changes to current resolutions:

1. Construction Accomplishments:

As indicated on Page 15 of the report, the following would be added "or are reported adequate".

2. Design:

Add the following "Additional surfacing shall be based on existing geometrics, but not greater than widths allowed by the State Aid Design Standards currently in force".

3. Right-of-way:

The following is recommended for addition Right-of-way projects that are funded with State Aid Funds will be compiled by the Office of State Aid. 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 Office of State Aid".

4. Storm Sewer:

Several changes were proposed to the storm sewer resolution as indicated on a hand out passed out by Roy Hanson. Marv Hoshaw commented that the changes should also apply to "force account agreements".

5. Construction Fund Balance:

Roy Hanson handed out a sheet indicating recommended changes to this resolution.

OTHER NEW BUSINESS:

Roy Hanson commented that the State Aid Office will apply the standard unit price as contained within the County System for box culvert construction.

A motion was made by Steve Gatlin, seconded by Dick Murphy to adjourn the meeting until 9:00 a.m., June 25 for further discussion on the items herein discussed. Motion carried. Adjournment at 2:22 p.m.

SECOND SESSION:

Chairman Anderson called the Municipal Screening Board meeting back into session at 9:06 a.m. on June 25.

UNIT PRICES:

Chairman Anderson asked for any further questions, comments or discussion on the proposed unit prices.

A motion was made by Martin Menk, seconded by Ron Rudrud to approve the unit prices as submitted by the Needs Subcommittee and printed in the "1986 Municipal Screening Board Data, June 1986". Motion carried.

RESOLUTION REVISIONS:

Chairman Anderson stated that each resolution revision that was proposed yesterday by the State Aid Office will be considered individually.

1. Construction Accomplishments - October 1965 (Revised June 1983):

A motion was made by Clyde Busby, seconded by Steven Gatlin, that "or are reported adequate" be added to the last sentence of the last paragraph of the current resolution. Motion carried.

2. Design:

A motion was made by Ron Rudrud, seconded by Martin Menk, that the following be added as a new Subsection after the current Subsection entitled "Less Than Minimum Width".

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.

Motion carried.

3. Construction Fund Balance - October 1961 (Revised May 1975):

A motion was made by Bob Peterson, seconded by Steve Gatlin, to delete the first two paragraphs of the current resolution and add the following two paragraphs:

That in the determination of Apportionment Needs, the amount of the unencumbered construction fund balance as of September 1st of the current year, not including the current year construction apportionment, 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.

Motion carried.

4. Right-of-Way - October 1965 (Revised June 1981):

A motion was made by Ron Schweninger, seconded by Dick Murphy, to add the following two additional paragraphs to the current Right-of-Way Resolution:

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.

Motion carried.

5. Storm Sewer:

A motion was made by Martin Menk, seconded by Steve Gatlin, that the current resolution for "Storm Sewer" be deleted in its entirety and the following substituted:

The Money Needs for all complete storm sewers shall be removed from the Needs Study until such time that adjustment shall be made by annually adding the amount of the Storm Sewer Construction project cost that is eligible for State Aid participation for 15-year period. Adjust storm sewer will continue to be included as a Needs item.

On all complete Storm Sewer Construction projects let in 1984 and subsequent years where State Aid Funds have participated in the cost, the complete Storm Sewer Needs will be determined by the Office of State Aid using the participating plan quantities, the participating percentage and the contract or force account prices.

5. Storm Sewer: (continued)

In order to receive Needs for qualifying Storm Sewer Construction projects funded with local funds let in 1984 and subsequent years, a plan and an Abstract of Bids or Construction Proceed Order must be submitted to the Office of State Aid by the City Engineers. The Hydraulics Section of the Office of Design Services will determine the eligible percentage of participating storm sewer and the Office of State Aid will determine the complete Storm Sewer Needs.

Adjustments to the complete Storm Sewer Needs will be acceptable but the responsibility of reporting final costs will rest with the City Engineer.

CITY OF DULUTH REQUEST - CONSTRUCTION NEEDS:

John Carlson, City of Duluth, requested that no action be taken at this time since they wanted to do more research and present additional information at the fall meeting.

A motion was made by Marvin Hoshaw, seconded by Martin Menk, to table the request. Motion carried.

TRAFFIC PROJECTION FACTOR:

Discussion was held on the proposed change from 2.0 to 1.5 for the traffic projection factor as recommended by the Needs Subcommittee. It was stated that each project should be considered on an individual basis. If the change is approved, it will decrease the current needs.

A motion was made by Dick Murphy, seconded by Clyde Busby, to approve the change in the traffic projection factor from 2.0 to 1.5 as recommended by the Needs Subcommittee. Motion failed.

BOND ACCOUNT:

Roy Hanson stated that the State Aid Office will automatically apply any balance in the Bond Account (page 124) to any new State Aid Projects.

A motion was made by Ron Rudrud, seconded by Martin Menk, to support this administrative action of the State Aid Office. Motion carried.

OLD OR NEW BUSINESS:

1. Ed Leone, Duluth, requested clarification on the recent State Aid Memo on Engineering Construction. Is the amount to be used the actual Engineering cost, or is 8% to be used.

Roy Hanson stated that the State Aid Office has administratively decided to require documentation of Engineering costs. The maximum is 8%, but this amount must be justified with documentation.

Bob Peterson, St. Paul, stated that the rules are different for Preliminary Engineering costs and Construction Engineering costs.

Roy Hanson stated that documentation must be presented for the Preliminary Engineering cost and not Construction cost in accordance with the rule.

Gordon Fay, State Aid Director, commented that the administrative change is being undertaken in order to justify the costs, protect the system, and ensure that the money is being used for MSA Streets.

Roy Hanson further stated that justification is now being required for all Preliminary and Construction Engineering costs.

2. Chairman Anderson thanked Don Asmus, Duane Aden and Roger Plumb for the work they had done on the Needs Subcommittee.
3. Gordon Fay, State Aid Director, made the following report:

- a. In Minnesota the Cities, the State and the Counties have the best State Aid System in the United States. He makes this statement as a result of attending National Meetings and discussing other State Systems. Minnesota has a Democratic process to set standards and revisions to the System.

- b. Last week the State Aid Office had a review of project payments (95% funding). Questions were raised by the Auditor of whether Cities were awarding contracts in the fall, requesting and receiving MSA Funds, and then investing the money in a local account with the interest not going to the MSA Project. If the money would remain in the State Treasury, the interest would stay in the MSA Account and be prorated on a formula on the amount of funds in the account.

The Auditor is recommending that payments be made monthly based on contract payments. MnDOT is putting together a study on the cost to do this, since there are presently over 1,000 projects per year and this could require an increase of 8,000 to 10,000 payments.

- c. The administrative change in the bonding account was made in order to prevent future changes being mandated by the Legislature.

- d. The Attorney General's Office is continuing their investigation into bid rigging. They have recently requested MnDOT supply them with a copy of all construction contracts. They have also requested that the State Aid Office collect and supply to them a copy of all bids received on local contracts.

3. Gordon Fay, State Aid Director, made the following report:
(continued)

- e. The Environmental Review for Federal Aid Urban Projects will not change. The Plan Review will be by the State and not go to the Federal Highway Department. The State will approve payments.
- f. Cities should not be requesting the maximum 8% for Engineering cost if this cannot be supported and justified. This is needed in order to protect the integrity of the System.
- g. He foresees continued raids on the Road User Funds. In April income was approximately 3.1 million dollars under projections. This is because of the loss of the excise tax. DNR is receiving more of the funds for trail construction.
- h. The Federal Government is considering combining FAU, FAS and UMPTA Funding as part of a Federal Block Grant Program. The State will be holding a public hearing on the total fund.
- i. He commented that a request was received from St. Paul to change the rules to eliminate the width requirement on all City streets and all City streets be eligible for MSA Funds. The last session of the Legislature adopted a law allowing the use of MSA Funds on 32 foot wide streets through Como Park without a variance.

ADJOURNMENT:

A motion was made by Marvin Hoshaw, seconded by Rod Rudrud, to adjourn the meeting. Motion carried.

The meeting was adjourned at 11:04 a.m.

Respectfully submitted



Fred G. Moore, Secretary
CEAM

1986 MUNICIPAL STATE AID NEED REPORT

M.S.A.S. Mileage, Needs and Apportionment 1958 to 1987

Since the initial apportionment in 1958, the number of participating municipalities has almost doubled from 58 to 107. In this same period, mileage has more than doubled from 920 to over 2100 miles, while the needs have increased more than three times the 1958 estimate. Apportionment income during this same period has fortunately increased to more than seven times the 1958 amount.

The apportionment amount in this summary, and also the remainder of this report is a projected amount of \$52,000,000. The reduction of revenues is due to lower interest and loss of the excise tax. The excise tax deduction was not considered in the 1986 apportionment so an additional deduction will reduce the 1987 apportionment doubly. The actual income is not known at this time, but will be announced in January 1987, when the commissioner of transportation makes the determination of the 1987 apportionment.

1986 MUNICIPAL STATE AID NEEDS REPORT

M.S.A.S. Mileage, Needs and Apportionment 1958 to 1987

<u>Year</u>	<u>Number of Municipalities</u>	<u>Mileage</u>	<u>Needs</u>	<u>Apportionment</u>	<u>Accumulative Apportionment</u>
1958	58	920.40	\$190,373,337	\$ 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	1,131.78	233,276,540	9,185,862	32,950,960
1962	77	1,140.83	223,014,549	9,037,698	41,988,658
1963	77	1,161.06	221,458,428	9,451,125	51,439,783
1964	77	1,177.11	218,487,546	10,967,128	62,406,911
1965	77	1,208.81	218,760,538	11,370,240	73,777,151
1966	80	1,271.87	221,992,032	11,662,274	85,439,425
1967	80	1,309.93	212,065,299	12,442,900	97,882,325
1968	84	1,372.36	214,086,481	14,287,775	112,170,100
1969	86	1,406.36	209,186,115	15,121,277	127,291,377
1970	86	1,427.59	205,103,981	16,490,064	143,781,441
1971	90	1,437.09	204,854,564	18,090,833	161,872,274
1972	92	1,490.86	216,734,617	18,338,440	180,210,714
1973	94	1,580.23	311,183,279	18,648,610	198,859,324
1974	94	1,597.44	324,787,253	21,728,373	220,587,697
1975	99	1,669.02	419,869,718	22,841,302	243,428,999
1976	100	1,696.56	448,678,585	22,793,386	266,222,385
1977	101	1,748.55	488,779,846	27,595,966	293,818,351
1978	104	1,807.94	494,433,948	27,865,892	321,684,243
1979	106	1,853.71	529,996,431	30,846,555	352,530,798
1980	106	1,889.03	623,880,689	34,012,618	386,543,416
1981	106	1,913.57	695,487,179	35,567,962	422,111,378
1982	109	1,995.74	712,299,816	42,032,978	464,144,356
1983	109	2,041.94	651,035,697	46,306,272	510,450,628
1984	110	2,066.80	641,783,969	48,735,190	559,185,818
1985	110	2,121.49	624,641,459	56,875,174	616,060,992
1986	107	2,119.86	552,944,830	59,097,019	675,158,811
1987	107	2,148.07	551,850,149	52,000.000(est)	727,158,811(est.)

1986 MUNICIPAL STATE AID NEEDS REPORT

Maximum Mileage Record

The maximum mileage eligible for designation in each municipality is based on the Engineer's "Annual Certification of Mileage" as of December 31, 1986

Mn/DOT TP 291/2-01 (10-79)

**ANNUAL CERTIFICATION
OF MILEAGE**

1. Trunk Highways
2. County State-Aid Highways
3. Co. Municipal State-Aid Streets
4. Municipal State-Aid Streets
5. County Roads
6. Other Local Roads and Streets
7. Total Improved Mileage

Municipal Mileage as of Dec. 31, 19__				Revisions During Current Year (+ or -)				Municipal Mileage as of Dec. 31, 19__			
Non- Existing	Unimproved	Improved	Total	Non- Existing	Unimproved	Improved	Total	Non- Existing	Unimproved	Improved	Total
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Previous =				Adjustment = (+ or -)				Current =			

MAXIMUM STATE-AID MILEAGE COMPUTATIONS

8. Trunk Highways (Line 1, Column XI). _____
9. County State-Aid Highways (Line 2, Column XI). _____
10. County Municipal State-Aid Streets (Line 3, Column XI). _____
11. Total Deductions (Total of Lines 8, 9 and 10 above). _____
12. Basic Mileage For Computation (Line 7, Column XI, Minus Line 11). _____
13. Percentage Limitation. _____ x .20
14. MAXIMUM MILES ALLOWED FOR M.S.A.S. DESIGNATIONS _____
15. Total Municipal State-Aid Street Designations (Column XII - Line 3 Plus Line 4) _____
16. Total Miles of T.H. Turnbacks Included In Line 15 _____
17. Municipal State-Aid Street Mileage Over/Under Maximum Allowed. _____

I hereby certify that the total Improved Street Mileage in the Municipality

of _____ as of December 31, 19__ is _____ Miles. Signed _____ Title _____

After deducting the Trunk Highways and County State Aid Highway mileage from the total improved mileage, 20% of the remainder is the maximum mileage allowable for Municipal State Aid designation. The individual municipalities may not exceed this limitation except to the extent necessary to designate Trunk Highway Turnbacks.

1986 MUNICIPAL STATE AID NEEDS REPORT
(as of December 31, 1985)

Maximum Mileage Record

<u>Municipality</u>	<u>Mileage for Designation</u>	<u>1985 M.S.A.S. Mileage</u>	<u>Mileage below Maximum</u>	<u>Trunk Highway Turnback Overage</u>	<u>Mileage Change</u>
Albert Lea	17.71	17.19	0.52		+ 0.07
Alexandria	11.69	11.63	0.06		0
Andover	23.61	22.91	0.70		+ 0.63
Anoka	11.65	11.08	0.57		+ 0.16
Apple Valley	22.05	19.30	2.75		+ 0.86
Arden Hills	5.98	4.58	1.40		+ 0.03
Austin	21.51	21.97	--	0.46	+ 0.3
Bemidji	14.02	14.43	--	0.41	0
Blaine	29.38	26.80	2.58		+ 0.81
Bloomington	72.60	71.63	0.97		+ 0.34
Brainerd	14.19	14.19	--		- 0.05
Brooklyn Center	20.85	21.29	--	0.44	0
Brooklyn Park	34.49	31.34	3.15		+ 2.62
Burnsville	40.06	37.79	2.27		+ 1.83
Champlin	12.04	10.37	1.67		+ 0.91
Chanhassen	13.06	11.82	1.24		+ 0.60
Chaska	9.49	8.59	0.90		+ 0.16
Chisholm	7.10	6.93	0.17		0
Cloquet	17.75	17.75	--		0
Columbia Heights	11.85	11.52	0.33		+ 0.07
Coon Rapids	36.04	30.97	5.07		+ 1.84
Cottage Grove	24.09	23.19	0.90		+ 0.13
Crookston	9.27	9.27	--		- 0.01
Crystal	17.94	17.65	.29		+ 0.08
Detroit Lakes	8.86	8.31	.55		+ 0.10
Duluth	86.25	89.82	--	3.57	+ 0.09
Eagan	33.54	28.76	4.78		+ 1.97
East Bethel	21.35	20.81	0.54		+ 0.11
East Grand Forks	9.25	10.86	--	1.61	- 0.03
Eden Prairie	31.40	28.13	3.27		+ 0.42
Edina	39.46	38.87	0.59		0
Elk River	19.19	17.87	1.32		+ 0.60
Eveleth	5.99	5.97	0.02		0
Fairmont	14.68	17.08	--	2.40	+ 0.04
Falcon Heights	2.55	2.54	.01		0
Faribault	18.08	17.98	.10		+ 0.07

<u>Municipality</u>	<u>Mileage for Designation</u>	<u>1985 M.S.A.S. Mileage</u>	<u>Mileage below Maximum</u>	<u>Trunk Highway Turnback Overage</u>	<u>Mileage Change</u>
Fergus Falls	12.52	11.60	.92		+ 0.05
Fridley	24.80	23.94	.86		+ 0.06
Golden Valley	23.71	23.18	.53		+ 0.05
Grand Rapids	11.17	10.09	1.08		+ 0.23
Ham Lake	18.64	18.09	.55		+ 0.13
Hastings	13.13	12.56	.57		+ 0.16
Hermantown	13.32	13.04	.28		0
Hibbing	48.44	48.34	.10		0
Hopkins	9.55	8.99	.56		+ 0.14
Hutchinson	9.71	9.59	.12		+ 0.09
International Falls	4.92	4.81	.11		0
*Inver Grove Heights	16.84	17.35	.51(OVER)		- 1.16
Lake Elmo	9.79	8.92	.87		+ 0.09
Lakeville	24.23	21.88	2.35		+ 0.74
Lino Lakes	13.85	13.11	.74		+ 0.09
Litchfield	7.86	7.83	0.03		+ 0.09
Little Canada	5.13	4.56	0.57		+ 0.22
Little Falls	12.11	13.84	--	1.73	0
Mankato	21.92	23.18	--	1.26	+ 0.88
Maple Grove	31.23	27.28	3.95		- 0.38
Maplewood	18.85	15.26	3.59		- 0.38
Marshall	9.99	9.74	.25		+ 0.11
Mendota Heights	10.48	10.47	.01		0
Minneapolis	187.29	187.14	.15		- 0.02
Minnetonka	47.82	46.82	1.00		+ 0.17
Montevideo	8.09	7.54	.55		0
Moorhead	23.71	23.15	.56		0
Morris	6.48	6.43	.05		+ 0.05
Mound	7.97	7.16	.81		+ 0.04
Moundsview	7.49	7.41	.08		0
New Brighton	13.41	13.15	0.26		0
New Hope	12.68	12.64	0.04		0
New Ulm	14.09	12.68	1.41		+ 0.06
Northfield	9.57	9.13	0.44		+ 0.20
North Mankato	8.98	8.47	0.51		+ 0.26
North St. Paul	8.11	8.03	0.08		0
Oakdale	11.28	9.38	1.90		+ 0.97
Orono	11.66	10.94	.72		+ 0.06
Owatonna	17.47	16.71	.76		+ 0.12

* remeasured all city streets

<u>Municipality</u>	<u>Mileage for Designation</u>	<u>1985 M.S.A.S. Mileage</u>	<u>Mileage below Maximum</u>	<u>Trunk Highway Turnback Overage</u>	<u>Mileage Change</u>
Plymouth	40.60	35.98	4.62		+ 1.71
Prior Lake	11.97	11.11	.86		+ 0.27
Ramsey	23.64	22.82	.82		+ 0.65
Red Wing	19.65	18.86	.79		+ 0.15
Redwood Falls	5.12	5.01	.11		
Richfield	26.26	26.32		0.06	- 0.02
Robbinsdale	10.00	10.33	--	0.33	0
Rochester	42.45	40.24	2.21		+ 1.64
Rosemount	12.81	12.07	.74		+ .21
Roseville	22.62	21.99	0.63		+ 0.06
St. Anthony	5.48	5.21	0.27		0
St. Cloud	32.70	33.38	--	0.68	- 0.03
St. Louis Park	26.02	25.19	.83		+ 0.07
St. Paul	158.43	156.95	1.48		+ 1.08
St. Peter	8.45	7.33	1.12		- 0.01
Sauk Rapids	7.93	7.67	0.26		+ 0.06
Savage	8.91	8.61	0.30		+ 0.32
Shakopee	12.99	12.59	0.40		+ 0.05
Shoreview	14.45	9.90	4.55		+ 0.53
South St. Paul	14.36	14.23	.13		+ 0.03
Spring Lake Park	4.91	4.69	.22		+ 0.18
Stillwater	12.55	11.91	.64		+ 0.01
Thief River Falls	11.12	10.62	.50		+ 0.15
Vadnais Heights	5.52	4.52	1.00		+ 0.42
Virginia	12.21	11.73	0.48		0
Waseca	6.52	6.31	0.21		+ 0.19
West St. Paul	12.15	11.62	0.53		+ 0.09
White Bear Lake	17.57	16.54	1.03		+ 0.18
Willmar	20.46	22.73	--	2.27	+ 0.90
Winona	19.22	18.73	.49		+ 0.21
Woodbury	21.23	18.92	2.31		+ 0.67
Worthington	10.54	9.78	.76		+ 0.02
Totals	2216.15	2139.51	91.86	15.22	27.75

1986 MUNICIPAL STATE AID NEEDS REPORT

1986 Itemized Tabulation of Needs

The 1986 itemized tabulation of needs on the following page shows all the construction items used in the Municipal State Aid Needs Study for apportionment purposes.

This tabulation is provided to give each municipality the opportunity to compare their needs to the other cities in their respective districts to the balance of the State's reporting by individual construction items.

The cost per mile shown on this report does not include bridges, because the large bridges in some cities would distort the average. The average shown is a more comparable cost based on roadway construction only.

You will notice the average cost per mile is \$256,925, while the lowest average recorded is Richfield with \$80,188 per mile. The seven cities which exceed \$350,000 per mile are listed alphabetically as follows:

International Falls	St. Paul
Maplewood	Savage
Minneapolis	Shakopee
Northfield	

The highest average is Minneapolis with \$441,554 per mile.

1986 MUNICIPAL STATE AID NEEDS REPORT

1986 Needs Study Update

The following tabulation reflects the total difference between the 1985 and the 1986 25-year Construction Needs Studies. This update was accomplished in two individual steps to measure the effect each type of revision has to the total needs.

1. 1985 Construction Accomplishments and System Revisions -- includes construction accomplishments, system revisions, corporate limit revisions and other miscellaneous changes.
2. 1985 Unit Cost Revisions -- measures the effect of the unit prices approved by this committee at the 1986 spring meeting.

Revisions were made in the following cost items:

Concrete Pavement removal +\$0.50 S.Y.;
Bituminous base 2331 -\$1.50 ton;
Bituminous surface 2331 -\$1.50 ton;
Curb and gutter Construction -\$0.50 Lin. ft.;
Bridges: 0-149 ft. +\$4.00 S.F.;
500 ft. and over +\$5.00 S.F.

The resulting 1986 25-Year Construction Needs as adjusted in the following "Tentative Money Needs Apportionment Determination" will be used in computing the 1987 money needs allotment.

These net changes can be discussed and further explained if the committee so desires.

MUNICIPAL NAME	GRADING	COMP SEWER	ADJ SEWER	BASE	SURFACE	SHOULDER	CURB&GUTTER	SIDEWALK	SIGNALS	LIGHTING	RET WALLS	RIGHT OF WAY	BRIDGES	RR CROSSINGS	MAINT	NEEDS	MILEAGE	COST/MIL	MUNICIPAL NAME	
ALBERT LEA	481,750		225,680	728,876	1,190,132		337,722	89,852	171,899	34,380	26,000	9,300		290,000	20,806	3,606,397	17.19	209,796	ALBERT LEA	
ALEXANDRIA	265,673		11,160	500,182	775,486		194,016	30,632	116,296	23,260					12,858	1,950,430	11.63	165,972	ALEXANDRIA	
ANDOVER	1,200,398			958,807	1,183,130	81,603	143,358		236,781	47,360		135,000			14,830	4,001,267	23.68	168,972	ANDOVER	
ANOKA	435,309			518,947	911,108		402,544	46,690	110,199	22,040		5,000			11,882	2,463,721	11.08	222,357	ANOKA	
APPLE VALLEY	245,561			1,146,660	1,567,863		417,168		193,085	38,620		50,000			20,072	3,679,029	19.31	190,525	APPLE VALLEY	
ARDEN HILLS	132,158		620	431,912	422,738		206,580	7,700	45,796	9,160		22,500			2,834	1,281,998	4.58	279,912	ARDEN HILLS	
AUSTIN	898,614		20,460	912,992	1,570,641		361,284	225,316	219,694	43,940			1,025,128	195,000	30,246	5,503,315	21.97	203,832	AUSTIN	
BEMIDJI	164,839			315,889	943,903		176,922	34,174	135,994	27,200	10,000				17,448	2,516,271	14.44	139,638	BEMIDJI	
BLAINE	522,111		1,240	1,420,798	2,229,343	23,911	810,774		266,878	53,380					20,591	5,349,026	26.69	200,413	BLAINE	
BLOOMINGTON	1,445,940		1,070,740	2,277,181	5,857,185		1,435,284	944,524	717,169	143,440	16,000	52,400	346,724	390,000	109,572	14,806,159	71.72	201,610	BLOOMINGTON	
BRAINERD	197,354			140,120	309,988		1,070,521		141,900	28,380		1,700			195,000	16,679	2,308,954	14.19	162,717	BRAINERD
BROOKLYN CENTER	522,454		141,360	1,196,374	1,956,869		689,808	140	213,791	42,760	39,797	7,600	246,960	95,000	29,117	5,182,030	21.38	230,826	BROOKLYN CENTER	
BROOKLYN PARK	566,570		49,600	1,188,980	2,527,996		733,740		313,281	62,660		23,300			31,794	5,497,921	31.33	175,484	BROOKLYN PARK	
BURNSVILLE	515,794			1,721,060	2,949,289		639,120		639,120	75,580		20,700			53,283	6,658,462	37.79	168,105	BURNSVILLE	
CHAMPLIN	164,521		13,020	338,507	762,750		295,632	2,800	103,595	20,720		8,700	305,760		8,896	1,719,141	10.36	165,940	CHAMPLIN	
CHANHASSEN	580,963			1,243,428	774,719	14,739	359,046		118,187	23,640		10,900			6,890	3,227,512	11.82	273,055	CHANHASSEN	
CHASKA	250,935			641,491	793,441		359,610	79,324	85,894	17,180			60,858	260,000	9,062	2,557,795	8.59	290,680	CHASKA	
CHISHOLM	244,012		61,380	198,799	528,831		195,240	126,882	69,300	13,860	15,800				7,478	1,461,582	6.93	210,906	CHISHOLM	
CLOQUET	1,012,221		3,720	1,579,436	1,388,299	5,717	661,482	395,010	177,496	35,500	45,000	34,100	311,640	415,000	19,410	6,084,031	17.75	325,205	CLOQUET	
COLUMBIA HEIGHTS	179,171		31,000	197,741	700,386		151,818	45,850	115,195	23,040	4,500			130,300	14,664	1,593,665	11.52	138,339	COLUMBIA HEIGHTS	
COON RAPIDS	281,639			565,147	2,199,434		345,186		307,780	61,560		5,000		300	41,041	3,807,087	30.78	123,687	COON RAPIDS	
COTTAGE GROVE	459,723		58,280	1,423,739	1,481,452	23,460	394,194		231,888	46,380		22,500	292,500		30,404	4,464,520	23.19	179,906	COTTAGE GROVE	
CROOKSTON	419,848		65,100	650,892	758,197		229,806	84,770	92,700	18,540	5,000	4,700	382,500	190,300	10,522	2,912,875	9.27	272,964	CROOKSTON	
CRYSTAL	568,696		177,940	1,093,599	1,354,831		445,554	8,400	176,489	35,300	36,700	13,400		332,500	22,917	4,266,326	17.65	241,718	CRYSTAL	
DETROIT LAKES	182,731			318,974	675,323	72	152,454	32,550	94,498	18,900	20,000		229,075		11,047	1,776,544	9.45	163,753	DETROIT LAKES	
DULUTH	4,304,662		301,320	5,506,298	6,113,921	30,287	1,775,886	1,398,026	887,658	177,540	355,000	11,300	3,558,976	287,400	116,662	24,824,936	89.89	236,578	DULUTH	
EAGAN	503,222		31,000	1,783,476	2,490,221		790,404		287,774	57,560		41,400			32,220	6,017,277	28.78	209,078	EAGAN	
EAST BETHEL	733,950			920,888	744,174	31,698			208,283	41,660					18,110	2,698,763	20.83	129,561	EAST BETHEL	
EAST GRAND FORKS	168,713		42,780	389,506	741,560		213,368	1,162	106,297	21,260				285,600	11,269	1,981,515	10.88	182,125	EAST GRAND FORKS	
EDEN PRAIRIE	697,780		143,220	1,775,533	2,386,074		1,044,114		281,274	56,260	205,000	12,900	254,250	65,000	28,991	6,950,396	28.13	238,043	EDEN PRAIRIE	
EDINA	1,078,227		101,680	1,873,771	2,887,856		808,824	65,100	388,677	77,740	84,354	19,300	272,832		48,222	7,706,583	38.87	191,246	EDINA	
ELK RIVER	690,916		37,820	988,509	1,101,643	46,659	428,214	116,648	178,685	35,740	26,000		1,430,386	95,000	16,489	5,192,709	17.87	120,539	ELK RIVER	
EVELETH	114,840			91,715	459,925	748	126,708	86,714	59,800	11,960					6,787	957,197	5.98	160,066	EVELETH	
FAIRMONT	238,939		34,100	475,554	1,129,781	1,237	365,688	52,150	170,792	34,160	4,500	600	94,080	65,600	22,336	2,689,517	17.08	151,958	FAIRMONT	
FALCON HEIGHTS	47,913			97,484	157,492		50,010		25,400	5,080					2,920	386,299	2.54	152,086	FALCON HEIGHTS	
FARIBAULT	326,265		85,560	762,344	1,240,252		313,398	48,384	178,792	35,760	3,000		352,296	260,300	21,066	3,627,417	17.96	182,356	FARIBAULT	
FERGUS FALLS	145,393		13,020	235,050	717,774	2,023	94,596	47,264	115,998	23,200	10,500			890,300	13,212	2,308,330	11.60	198,994	FERGUS FALLS	
FRIDLEY	329,701		188,480	527,195	1,657,201		516,510		239,398	47,880		14,300		350,000	27,002	3,897,667	23.94	162,810	FRIDLEY	
GOLDEN VALLEY	746,671		18,600	1,749,610	1,973,780		697,020		233,693	46,740	10,000	12,100	90,552	422,500	26,464	6,027,930	23.37	254,060	GOLDEN VALLEY	
GRAND RAPIDS	77,005		17,360	130,667	668,355	646	125,256	20,538	100,900	20,180				355,000	12,607	1,528,514	10.09	151,488	GRAND RAPIDS	
HAM LAKE	411,549			610,827	608,845	71,513	46,260		180,382	36,080		16,500			16,411	1,997,567	18.04	110,730	HAM LAKE	
HASTINGS	191,033			331,769	813,127	867	370,326	65,800	125,596	25,120	23,400	6,200			14,360	1,967,598	12.56	156,656	HASTINGS	
HERMANTOWN	877,000			1,624,104	933,520	1,925	156,318		130,388	26,080	40,000	51,900	94,668		13,150	3,949,053	13.04	295,582	HERMANTOWN	
HIBBING	4,769,484		263,500	3,027,830	2,604,078	87,189	784,614	81,116	483,769	96,760				255,000	50,529	12,571,979	48.38	258,451	HIBBING	
HOPKINS	199,598		40,300	353,530	718,062		197,622	3,696	89,898	17,980			504,000		11,014	2,135,700	8.99	181,502	HOPKINS	
HUTCHINSON	166,410		55,180	367,416	690,712		127,470	5,236	95,898	19,180				190,900	10,662	1,729,064	9.59	180,299	HUTCHINSON	
INTERNATIONAL FALLS	436,745		169,260	426,664	452,331		171,660	202,636	48,099	9,620					5,579	1,922,594	4.81	399,708	INTERNATIONAL FALLS	
INVER GROVE HEIGHTS	452,987			1,279,661	1,465,343		578,418		176,286	35,260		62,600			16,383	4,066,938	17.63	230,683	INVER GROVE HEIGHTS	
LAKE ELMO	472,524		27,900	878,003	461,179	36,848	122,106		89,194	17,840					8,920	2,114,514	8.92	237,053	LAKE ELMO	
LAKEVILLE	639,325			2,151,357	1,973,492		1,043,166		219,080	43,820		31,100		65,300	19,529	6,186,169	21.91	282,345	LAKEVILLE	
LINO LAKES	859,421			1,619,915	923,701		403,632		131,089	26,220					9,290	3,973,268	13.11	303,072	LINO LAKES	
LITCHFIELD	304,007		9,300	507,793	614,768		271,986	44,940	78,300	15,660		2,200			8,461	1,857,415	7.83	237,218	LITCHFIELD	
LITTLE CANADA	163,915		17,980	246,911	308,040		139,920		45,599	9,120				65,000	4,605	1,001,090	4.56	219,537	LITTLE CANADA	
LITTLE FALLS	308,638		42,160	492,330	1,009,093	1,309	292,404	26,796	138,398	27,680				300	16,597	2,355,705	13.84	170,210	LITTLE FALLS	
MANKATO	604,669		57,040	1,071,300	1,583,831		392,040	54,880	209,393	41,880	727,000				31,645	4,773,678	23.45	203,568	MANKATO	
MAPLE GROVE	1,647,161		47,120	4,010,355	3,537,000	769	1,512,810		326,777	65,360		26,500		65,000	26,501	11,265,353	32.68	344,717	MAPLE GROVE	
MAPLEWOOD	579,582		10,540	2,259,804	1,974,450		828,672		152,594	30,520		69,000		320,000	15,496	6,240,658	15.26	408,955	MAPLEWOOD	
MARSHALL	313,348		8,060	404,867	713,718	1,734	130,530	6,776	97,395	19,480				220,000	12,340	1,928,248	9.74	197,972	MARSHALL	
MENDOTA HEIGHTS	201,756			579,761	844,756	1,377	313,578		104,690	20,940				95,000	10,639	2,172,497	10.47	207,497	MENDOTA HEIGHTS	
MINNEAPOLIS	17,374,192		2,269,820	16,834,671	17,862,184		5,519,250	6,265,588	1,860,845	372,180		1,600	12,603,090	1,205,300	291,127	82,460,347	186.75	374,068	MINNEAPOLIS	
MINNETONKA	1,505,034		8,680	3,746,830	3,601,665	3,804	1,658,556		455,363	91,080	30,585	149,100			40,224	11,290,921	45.54	247,934	MINNETONKA	
MONTEVIDEO	294,971			436,804	563,497		173,976	34,440	75,											

1986 MUNICIPAL STATE AID NEEDS REPORT

1986 M. S. A. S. NEEDS STUDY UPDATE

Municipality	1985 M. S. A. S. Needs	Accomplish. & System Revisions	Unit Cost Update	1986 M. S. A. S. Needs	Net Change	% Change 1985 to 1986	Mileage Change
Albert Lea	\$3,613,507	\$7,406	(\$14,516)	\$3,606,397	(\$7,110)	-0.2%	0.00
Alexandria	1,939,059	(142)	(8,487)	1,930,430	(8,629)	-0.4%	0.00
Andover	3,375,390	767,949	(140,072)	4,001,267	625,877	18.5%	2.39
Anoka	2,529,524	(5,551)	(60,252)	2,463,721	(65,803)	-2.6%	0.00
Apple Valley	4,102,850	(377,006)	(46,815)	3,679,029	(423,821)	-10.3%	0.01
Arden Hills	1,297,644	---	(15,646)	1,281,998	(15,646)	-1.2%	0.00
Austin	5,015,002	527,394	(39,081)	5,503,315	488,313	9.7%	0.00
Bemidji	3,357,938	(840,300)	(1,367)	2,516,271	(841,667)	-25.1%	0.01
Blaine	5,442,799	46,485	(140,258)	5,349,026	(93,773)	-1.7%	-0.26
Bloomington	15,513,601	(555,268)	(152,174)	14,806,159	(707,442)	-4.6%	0.09
Brainerd	2,558,332	(230,625)	(18,753)	2,308,954	(249,378)	-9.7%	0.00
Brooklyn Center	5,381,959	(107,866)	(92,063)	5,182,030	(199,929)	-3.7%	0.09
Brooklyn Park	6,736,537	(1,128,494)	(110,122)	5,497,921	(1,238,616)	-18.4%	-0.01
Burnsville	8,358,768	(1,629,733)	(70,573)	6,658,462	(1,700,306)	-20.3%	1.07
Champlin	1,923,228	(165,392)	(38,695)	1,719,141	(204,087)	-10.6%	-0.01
Chanhassen	3,126,049	---	101,463	3,227,512	101,463	3.2%	0.00
Chaska	2,577,236	8,316	(27,757)	2,557,795	(19,441)	-0.8%	0.00
Chisholm	1,467,126	---	(5,544)	1,461,582	(5,544)	-0.4%	0.00
Cloquet	6,104,656	(44,173)	23,548	6,084,031	(20,625)	-0.3%	0.02
Columbia Heights	1,623,307	---	(29,642)	1,593,665	(29,642)	-1.8%	0.00
Coon Rapids	4,492,165	(713,722)	28,644	3,807,087	(685,078)	-15.3%	-0.02
Cottage Grove	5,349,227	(908,681)	23,974	4,464,520	(884,707)	-16.5%	0.00
Crookston	2,869,372	27,381	16,122	2,912,875	43,503	1.5%	-0.01
Crystal	4,730,610	(422,044)	(41,240)	4,266,326	(464,284)	-9.8%	0.00
Detroit Lakes	1,284,051	308,640	183,853	1,776,544	492,493	38.4%	0.99
Duluth	24,233,904	134,132	456,900	24,824,936	591,032	2.4%	1.35
Eagan	6,548,188	(538,182)	7,271	6,017,277	(530,911)	-8.1%	0.03
East Bethel	2,783,518	(107,982)	23,227	2,698,763	(84,755)	-3.0%	0.02
East Grand Forks	2,164,765	(177,116)	(6,134)	1,981,515	(183,250)	-8.5%	-0.10
Eden Prairie	7,328,027	(111,989)	(265,642)	6,950,396	(377,631)	-5.2%	0.00
Edina	8,146,569	(396,765)	(43,221)	7,706,583	(439,986)	-5.4%	0.00
Elk River	5,129,229	9,392	54,088	5,192,709	63,480	1.2%	0.00
Eveleth	1,048,228	(86,336)	(4,695)	957,197	(91,031)	-8.7%	0.03
Fairmont	2,685,522	12,880	(8,885)	2,689,517	3,995	0.1%	0.00
Falcon Heights	328,815	60,000	(2,516)	386,299	57,484	17.5%	0.13
Faribault	3,605,187	25,372	(3,142)	3,627,417	22,230	0.6%	-0.02

Municipality	1985 M.S.A.S. Needs	Accomplish. & System Revisions	Unit Cost Update	1986 M.S.A.S. Needs	Net Change	% Change 1985 to 1986	Mileage Change
Fergus Falls	2,310,388	--	(2,058)	2,308,330	(2,058)	-0.1%	0.00
Fridley	3,950,392	(32,641)	(20,084)	3,897,667	(52,725)	-1.3%	0.00
Golden Valley	6,446,857	(364,652)	(54,275)	6,027,930	(418,927)	-6.5%	0.19
Grand Rapids	1,427,886	115,601	(14,973)	1,528,514	100,628	7.0%	0.00
Ham Lake	2,180,011	(102,918)	(79,526)	1,997,567	(182,444)	-8.4%	-0.50
Hastings	2,302,080	(282,447)	(51,035)	1,967,598	(334,482)	-14.5%	0.00
Hermantown	3,877,030	12,936	59,087	3,949,053	72,023	1.9%	0.00
Hibbing	10,749,494	1,787,692	34,793	12,571,979	1,822,485	17.0%	0.06
Hopkins	2,109,596	52,000	(25,896)	2,135,700	26,104	1.2%	0.00
Hutchinson	1,732,869	291	(4,006)	1,729,064	(3,805)	-0.2%	0.10
International Falls	1,945,792	--	(23,198)	1,922,594	(23,198)	-1.2%	0.00
Inver Grove Heights	4,511,806	(417,628)	(27,240)	4,066,938	(444,868)	-9.9%	0.28
Lake Elmo	2,100,690	--	13,824	2,114,514	13,824	0.7%	0.00
Lakeville	6,206,038	--	(19,869)	6,186,169	(19,869)	-0.3%	0.00
Lino Lakes	4,223,418	--	(250,150)	3,973,268	(250,150)	-5.9%	0.00
Litchfield	1,800,759	69,327	(12,671)	1,857,415	56,656	3.1%	0.42
Little Canada	1,184,955	(176,318)	(7,547)	1,001,090	(183,865)	-15.5%	0.00
Little Falls	2,385,056	--	(29,351)	2,355,705	(29,351)	-1.2%	0.00
Mankato	5,118,024	(326,695)	(17,651)	4,773,678	(344,346)	-6.7%	2.74
Maple Grove	10,040,549	1,304,762	(79,958)	11,265,353	1,224,804	12.2%	4.08
Maplewood	6,507,044	(202,481)	(63,906)	6,240,658	(266,386)	-4.1%	-2.52
Marshall	2,077,705	(143,838)	(5,619)	1,928,248	(149,457)	-7.2%	0.00
Mendota Heights	2,181,984	11,834	(21,321)	2,172,497	(9,487)	-0.4%	0.00
Minneapolis	82,056,227	124,423	279,697	82,460,347	404,120	0.5%	-1.61
Minnetonka	13,320,012	(2,081,078)	51,587	11,290,921	(2,029,091)	-15.2%	-0.47
Montevideo	1,732,740	--	(12,940)	1,719,800	(12,940)	-0.7%	0.00
Moorhead	7,769,925	(63,046)	15,378	7,722,257	(47,668)	-0.6%	0.42
Morris	1,876,931	249,917	1,322	2,128,170	251,239	13.4%	0.53
Mound	1,430,607	--	(12,829)	1,417,778	(12,829)	-0.9%	0.00
Mounds View	981,373	114,868	(13,994)	1,082,247	100,874	10.3%	0.35
New Brighton	2,971,841	--	(11,825)	2,960,016	(11,825)	-0.4%	0.00
New Hope	1,898,460	(42,750)	(11,991)	1,843,719	(54,741)	-2.9%	0.00
New Ulm	3,424,568	(372,500)	(11,237)	3,040,831	(383,737)	-11.2%	0.06
Northfield	3,613,667	(198,619)	(8,042)	3,407,006	(206,661)	-5.7%	0.00
North Mankato	1,115,478	48,336	(7,285)	1,156,529	41,051	3.7%	-0.16
North St. Paul	1,965,801	--	(5,584)	1,960,217	(5,584)	-0.3%	0.00

Municipality	1985 M.S.A.S. Needs	Accomplish. & System Revisions	Unit Cost Update	1986 M.S.A.S. Needs	Net Change	% Change 1985 to 1986	Mileage Change
Oakdale	1,895,924	1,030,927	(82,983)	2,903,868	1,007,944	53.2%	1.87
Orono	2,122,721	105,384	(9,744)	2,218,361	95,640	4.5%	1.58
Owatonna	4,838,781	(152,048)	(20,693)	4,666,040	(172,741)	-3.6%	0.00
Plymouth	7,360,893	441,937	(61,676)	7,741,154	380,261	5.2%	2.42
Prior Lake	2,868,012	--	23,470	2,891,482	23,470	0.8%	0.00
Ramsey	4,812,392	(47,193)	(50,014)	4,715,185	(97,207)	-2.0%	0.31
Red Wing	4,484,200	44,351	15,392	4,543,943	59,743	1.3%	0.00
Redwood Falls	1,367,270	--	(2,064)	1,365,206	(2,064)	-0.2%	0.00
Richfield	2,107,145	--	(5,393)	2,101,752	(5,393)	-0.3%	0.00
Robbinsdale	1,145,858	--	(21,047)	1,124,811	(21,047)	-1.8%	0.00
Rochester	7,831,447	3,164,921	(50,184)	10,946,184	3,114,737	39.8%	5.71
Rosemount	4,052,496	--	(21,590)	4,030,906	(21,590)	-0.5%	0.00
Roseville	4,287,959	(99,535)	32,031	4,220,455	(67,504)	-1.6%	0.07
St. Anthony	1,032,506	(29,304)	(9,733)	993,470	(39,036)	-3.8%	0.00
St. Cloud	9,024,424	(90,448)	(107,834)	8,826,142	(198,282)	-2.2%	0.00
St. Louis Park	6,242,568	(562,248)	(141,565)	5,538,755	(703,813)	-11.3%	0.01
St. Paul	61,236,721	(519,040)	1,254,807	61,972,488	735,767	1.2%	0.24
St. Peter	1,125,259	(88,425)	(9,441)	1,031,393	(93,866)	-8.3%	0.74
Sauk Rapids	2,083,336	130,804	(25,758)	2,188,382	105,046	5.0%	0.34
Savage	3,007,452	116,695	(30,053)	3,094,094	86,642	2.9%	0.46
Shakopee	2,849,156	2,457,118	14,824	5,321,098	2,471,942	86.8%	0.95
Shoreview	2,162,303	(180,551)	8,867	1,990,619	(171,684)	-7.9%	-0.02
South St. Paul	2,618,462	100,179	(11,776)	2,706,865	88,403	3.4%	0.13
Spring Lake Park	913,692	--	10,071	923,763	10,071	1.1%	0.00
Stillwater	3,255,582	(127,439)	(23,494)	3,104,649	(150,933)	-4.6%	0.00
Thief River Falls	2,315,367	195,437	(4,345)	2,506,459	191,092	8.3%	0.57
Vadnais Heights	890,708	--	(4,002)	886,706	(4,002)	-0.4%	0.00
Virginia	1,928,167	(255,772)	(6,361)	1,666,034	(262,133)	-13.6%	0.16
Waseca	1,131,132	(204,507)	(4,863)	921,762	(209,370)	-18.5%	0.00
West St. Paul	2,799,775	--	(67,742)	2,732,033	(67,742)	-2.4%	0.00
White Bear Lake	4,801,224	380,907	146,375	5,328,506	527,282	11.0%	1.03
Willmar	2,468,913	13,566	9,214	2,491,693	22,780	0.9%	0.00
Winona	4,039,325	232,236	(66,861)	4,204,700	165,375	4.1%	0.65
Woodbury	5,683,814	557,002	(17,683)	6,223,133	539,319	9.5%	0.77
Worthington	1,859,904	30,438	(12,318)	1,878,024	18,120	1.0%	0.00
TOTAL	\$552,944,830	(\$882,252)	(\$212,429)	\$551,950,149	(\$1,094,681)	-0.2%	28.21

1986 MUNICIPAL STATE AID NEEDS REPORT

Tentative 1987 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 of 1987.

The Needs shown on this report are those computed on the "1986 Needs Study Update". The 1987 apportionment needs are the result of subtracting for the Construction Fund Deduction and Expenditures Off the Municipal State Aid System, and adding or subtracting for Bond Accounts, Non-existing Bridge Adjustments, Reconstruction Projects, Right-of-Way Acquisitions, Storm Sewer, and Trunk Highway Turnback Adjustments. These adjustments to the actual needs are made as directed by the City Engineers Screening Board.

This summary provides specific data and shows the impact of the adjustments to each municipality for the Board's use in establishing the 1987 Money Needs Apportionment Determination.

These adjustments will be reviewed individually immediately following this tentative 1987 Money Needs Apportionment Determination Summary.

Due to the change of the storm sewer resolution, the expenditures for storm sewer construction was credited to the city's needs.

1987 MUNICIPAL STATE AID APPORTIONMENT DATA
Determination of the 1987 Money Needs Apportionment

Municipality	1986 Actual 25-Year Const. Needs	(+ or -) Screening Board Adjustments	+ Storm Sewer Adjustment	Unencumbered Const. Fund Deduction	- Expend. Off State Aid System	+ Bond Account Adjustment	+ Non- Existing Bridge Adjustment	+ R/W Adjustment	+ Recon- struction Adjustment	Adjusted 25-Year Const. Needs	Money Needs Apport. (Less THTB) (Adjustment)	+ Turnback Adjustment	1987 Money Needs Apport.	Dist. %	Municipality
Albert Lea	\$3,606,397		--	\$629,596	\$119,205	--	\$245,320	--	--	\$3,102,916	\$149,046	--	149,046	0.5733%	Albert Lea
Alexandria	1,930,430		\$41,257	85,819	--	\$30,000	--	--	--	1,915,868	92,027	--	92,027	0.3540%	Alexandria
Andover	4,001,267		--	--	113,955	344,291	--	--	--	4,231,603	203,261	--	203,261	0.7818%	Andover
Anoka	2,463,721		27,674	--	198,718	--	--	\$28,974	--	2,321,651	111,518	--	111,518	0.4289%	Anoka
Apple Valley	3,679,029		63,491	376,466	--	895,000	--	--	--	4,261,054	204,676	--	204,676	0.7872%	Apple Valley
Arden Hills	1,281,998		--	--	80,983	--	--	--	--	1,201,015	57,690	--	57,690	0.2219%	Arden Hills
Austin	5,503,315		--	251,497	699,066	--	--	--	\$67,543	4,620,295	221,932	--	221,932	0.8536%	Austin
Bemidji	2,516,271		70,649	397,985	--	--	--	--	--	2,188,935	105,143	\$1,080	106,223	0.4086%	Bemidji
Blaine	5,349,026		25,063	1,208,099	233,659	--	--	--	--	3,932,331	188,886	--	188,886	0.7265%	Blaine
Bloomington	14,806,159		110,809	410,301	2,024,237	--	1,255,688	832,491	--	14,570,609	699,885	--	699,885	2.6919%	Bloomington
Brainerd	2,308,954		64,746	--	40,806	285,000	576,113	--	185,035	3,379,042	162,309	--	162,309	0.5243%	Brainerd
Brooklyn Center	5,182,030		--	940,863	38,893	360,000	197,709	--	--	4,759,983	228,641	--	228,641	0.8794%	Brooklyn Center
Brooklyn Park	5,497,921		86,343	--	8,274	--	--	--	--	5,575,990	267,837	--	267,837	1.0301%	Brooklyn Park
Burnsville	6,658,462		739,962	--	13,763	--	349,684	304,777	--	8,039,122	386,152	--	386,152	1.4852%	Burnsville
Champlin	1,719,141		--	69,930	--	--	--	--	--	1,649,211	79,218	--	79,218	0.3047%	Champlin
Chanhausen	3,227,512		--	592,183	--	--	--	--	--	2,635,329	126,586	--	126,586	0.4869%	Chanhausen
Chaska	2,557,795		31,784	280,377	131,737	--	--	--	--	2,177,465	104,592	--	104,592	0.4023%	Chaska
Chisholm	1,461,582		--	137,396	32,143	--	28,800	--	--	1,320,843	63,445	--	63,445	0.2440%	Chisholm
Cloquet	6,084,031		220,884	--	--	70,000	--	73,539	--	6,448,454	309,745	--	309,745	1.1913%	Cloquet
Columbia Heights	1,593,665		--	428,295	30,000	--	--	--	--	1,135,370	54,536	--	54,536	0.2098%	Columbia Heights
Coon Rapids	3,807,087		448,966	--	471,523	--	--	--	--	3,784,530	181,786	--	181,786	0.6992%	Coon Rapids
Cottage Grove	4,464,520		--	305,431	--	19,478	--	--	--	4,178,567	200,714	--	200,714	0.7720%	Cottage Grove
Crookston	2,912,875		--	104,738	--	--	--	149,174	--	2,957,311	142,052	--	142,052	0.5464%	Crookston
Crystal	4,266,326		304,624	178,326	182,488	--	--	1,693,176	--	5,903,312	283,560	--	283,560	1.0906%	Crystal
Detroit Lakes	1,776,544		--	27,317	--	--	--	--	--	1,749,227	84,022	--	84,022	0.3232%	Detroit Lakes
Duluth	24,824,936		239,391	1,140,792	228,540	1,300,000	--	175,250	--	25,170,245	1,209,029	--	1,209,029	4.6501%	Duluth
Eagan	6,017,277		--	--	6,235	--	--	271,918	--	6,282,960	301,796	--	301,796	1.1608%	Eagan
East Bethel	2,698,763		--	--	--	--	--	14,000	--	2,712,763	130,305	--	130,305	0.5012%	East Bethel
East Grand Forks	1,981,515		181,820	34,424	--	150,000	--	--	--	2,278,911	109,465	--	109,465	0.4210%	East Grand Forks
Eden Prairie	6,950,396		--	113,216	328,143	1,020,613	974,299	--	--	8,503,949	408,479	--	408,479	1.5711%	Eden Prairie
Edina	7,706,583		--	787,260	797,670	--	--	--	--	6,121,653	294,048	--	294,048	1.1310%	Edina
Elk River	5,192,709		26,925	194,994	--	--	--	--	--	5,024,640	241,354	--	241,354	0.9283%	Elk River
Eveleth	957,197		--	912	--	--	--	--	--	956,285	45,934	--	45,934	0.1767%	Eveleth
Fairmont	2,689,517		--	177,174	--	--	--	1,825	--	2,514,168	120,766	--	120,766	0.4645%	Fairmont
Falcon Heights	386,299		--	52,229	--	20,306	--	--	--	354,376	17,022	--	17,022	0.0655%	Falcon Heights
Faribault	3,627,417		12,810	--	70,369	225,000	--	2,346	--	3,797,204	182,395	--	182,395	0.7015%	Faribault
Fergus Falls	2,308,330		--	269,175	128,635	--	--	33,600	--	1,944,120	93,384	--	93,384	0.3592%	Fergus Falls
Fridley	3,897,667		--	1,167,757	96,815	--	--	5,853	--	2,638,948	126,759	--	126,759	0.4875%	Fridley
Golden Valley	6,027,930		89,741	1,202,340	--	--	--	920,452	--	5,835,783	280,316	--	280,316	1.0781%	Golden Valley
Grand Rapids	1,528,514		--	239,968	--	50,000	553,858	--	--	1,892,404	90,900	--	90,900	0.3496%	Grand Rapids
Ham Lake	1,997,567		--	--	--	100,000	--	--	--	2,097,567	100,755	--	100,755	0.3875%	Ham Lake
Hastings	1,967,598		120,306	--	201,463	--	233,038	17,620	--	2,137,099	102,654	--	102,654	0.3948%	Hastings
Hermantown	3,943,053		--	472,687	--	--	--	--	--	3,476,366	166,984	--	166,984	0.6422%	Hermantown
Hibbing	12,571,979		--	--	--	548,867	--	14,000	--	13,134,846	630,920	--	630,920	2.4266%	Hibbing
Hopkins	2,135,700		9,499	672,323	397,105	--	--	--	--	1,075,771	51,674	--	51,674	0.1987%	Hopkins
Hutchinson	1,729,064		--	79,143	--	--	570,793	--	--	2,220,714	106,670	--	106,670	0.4103%	Hutchinson
International Falls	1,922,594		--	210,098	--	--	--	--	--	1,712,496	82,258	--	82,258	0.3164%	International Falls
Inver Grove Heights	4,066,938		111,735	--	63,320	--	--	20,997	--	4,136,350	198,686	--	198,686	0.7642%	Inver Grove Heights
Lake Elmo	2,114,514		--	226,676	--	--	--	19,706	--	1,907,544	91,627	--	91,627	0.3524%	Lake Elmo
Lakeville	6,186,169		54,566	15,732	1,121,252	--	--	--	--	5,103,751	245,154	--	245,154	0.9429%	Lakeville
Lino Lakes	3,973,268		--	543,984	--	--	--	--	--	3,429,284	164,722	--	164,722	0.6335%	Lino Lakes
Litchfield	1,857,415		355,205	67,415	124,504	--	--	--	--	2,020,701	97,062	--	97,062	0.3733%	Litchfield
Little Canada	1,001,090		--	92,802	--	61,783	--	43,300	--	1,013,371	48,676	--	48,676	0.1872%	Little Canada
Little Falls	2,355,705		--	333,819	--	(2,557)	--	--	--	2,019,329	96,997	--	96,997	0.3731%	Little Falls
Mankato	4,773,678		70,413	295,638	1,446,765	(3,621)	--	230,045	--	3,326,112	159,767	4,170	163,937	0.6305%	Mankato
Maple Grove	11,265,353		203,062	--	11,706	391,625	--	50,038	--	11,898,372	571,527	--	571,527	2.1982%	Maple Grove
Maplewood	6,240,658		--	1,300,779	--	240,000	664,966	--	--	5,844,845	280,752	--	280,752	1.0798%	Maplewood
Marshall	1,928,248		--	22,803	12,703	85,496	--	58,320	--	2,036,558	97,824	--	97,824	0.3762%	Marshall
Mendota Heights	2,172,497		--	213,919	7,351	258,628	--	--	129,628	2,339,483	112,375	--	112,375	0.4322%	Mendota Heights
Minneapolis	82,460,347		780,077	4,424,453	1,319,398	--	1,493,191	3,528,716	--	82,518,480	3,963,697	--	3,963,697	15.2450%	Minneapolis
Minnetonka	11,290,921		9,499	--	4,631,651	(129,061)	--	282,150	--	6,821,858	327,681	--	327,681	1.2503%	Minnetonka
Montevideo	1,719,800		--	11,462	--	--	--	--	--	1,708,338	82,058	--	82,058	0.3156%	Montevideo
Moorhead	7,722,257		50,040	542,610	7,017	--	7,530	21,000	--	7,251,200	348,304	--	348,304	1.3396%	Moorhead
Morris	2,128,170		--	235,594	187,625	--	--	13,097	--	1,718,048	82,525	--	82,525	0.3174%	Morris
Mound	1,417,778		--	--	108,931	140,000	--	91,291	--	1,540,138	73,979	--	73,979	0.2845%	Mound
Mounds View	1,082,247		38,767	--	--	(6,906)	--	--	--	1,114,108	53,515	--	53,515	0.2058%	Mounds View
New Brighton	2,960,016		--	695,098	694,312	--	--	--	--	1,570,606	75,443	--	75,443	0.2902%	New Brighton
New Hope	1,843,719		42,096	524,947	166,375	(603)	--	--	--	1,193,890	57,347	--	57,347	0.2206%	New Hope
New Ulm	3,040,831		191,074	688,231	33,191	--	--	--	--	2,510,483	120,589	--	120,589	0.4638%	New Ulm
Northfield	3,407,006		85,679	394,750	--	(57,582)	--	8,850	--	3,049,203	146,466	--	146,466	0.5633%	Northfield
North Mankato	1,156,529		70,982	--	--	--	--	395,146	--	1,622,657	77,943	1,020	78,963	0.3037%	North Mankato
North St. Paul	1,960,217		--	279,338	55,878	--	--	--	--	1,625,001	78,055	--	78,055	0.3002%	North St. Paul
Oakdale	2,903,868		132,964	--	--	--	--	--	--	3,036,832	145,871	--	145,871	0.5610%	Oakdale
Orono	2,218,361		--	78,345	28,516	44,747	--	--	--	2,156,247	103,573	--	103,573	0.3984%	Orono
Owatonna	4,666,040		--	--	365,642	--	--	113,638	--	4,414,036	212,024	--	212,024	0.8155%	Owatonna
Plymouth	7,741,154		--	--	381,328	--	--	25,208	--	7,385,034	354,733	--	354,733	1.3644%	Plymouth
Prior Lake	2,891,482		161,177	255,198	--	--	--	--	--	2,797,461	134,373	--	134,373	0.5168%	Prior Lake
Ramsey	4,715,185		96,375	109,160	--	--	--	89,911	--	4,792,311	230,194	--	230,194	0.8854%	Ramsey
Red Wing	4,543,943		54,790	--	--	475,000	1,145,475	76,176	--	6,295,384	302,393	--	302,393	1.1631%	Red Wing
Redwood Falls	1,365,206		--	76,217	--	(100,000)	--	--	--	1,188,989	57,112	--	57,112	0.2197%	Redwood Falls
Richfield	2,101,752		--	808,483	35,576	--	--	1,152,857	--	2,410,550	115,788	--	115,788	0.4453%	Richfield
Robbinsdale	1,124,811		--	278,778	192,576	--	--	--	--	653,457	31,388	--	31,388	0.1207%	Robbinsdale
Rochester	10,946,184		171,884	535,817	43,384	--	84,378	478,921	--	11,102,166	533,282	--	533,282	2.0511%	Rochester
Rosemount	4,030,906		85,452	486,805	--	--	--	3,629,553	--	3,629,553	174,342	--			

1986 MUNICIPAL STATE AID STREET APPORTIONMENT DATA

UNENCUMBERED CONSTRUCTION FUND BALANCE

(Amount as of September 1, 1986)

Municipality	A Amount Available 9-1-86	B 1986 Construction Allotment	C Construction Fund Balance	D Column C Column B
Albert Lea	\$1,004,182	\$374,586	\$629,596	1.68
Alexandria	264,439	178,620	85,819	0.48
Andover	276,633	287,482	--	
Anoka	195,739	297,885	--	
Apple Valley	952,431	575,965	376,466	0.65
Arden Hills	--	152,091	--	
Austin	719,323	467,826	251,497	0.54
Bemidji	693,379	295,394	397,985	1.35
Blaine	1,751,189	543,090	1,208,099	2.22
Bloomington	1,768,709	1,358,408	410,301	0.30
Brainerd	7,365	298,757	--	
Brooklyn Center	1,560,364	619,501	940,863	1.52
Brooklyn Park	617,360	796,867	--	
Burnsville	589,113	882,988	--	
Champlin	268,646	198,716	69,930	0.35
Chanhassen	807,391	215,208	592,183	2.75
Chaska	486,656	206,279	280,377	1.36
Chisholm	273,971	136,575	137,396	1.01
Cloquet	353,779	437,007	--	
Columbia Heights	727,524	299,229	428,295	1.43
Coon Rapids	45,161	603,973	--	
Cottage Grove	748,495	443,064	305,431	0.69
Crookston	359,854	255,116	104,738	0.41
Crystal	602,340	424,014	178,326	0.42
Detroit Lakes	163,424	136,107	27,317	0.20
Duluth	2,932,986	1,792,194	1,140,792	0.64
Eagan	23,102	693,860	--	
East Bethel	18,687	202,822	--	
East Grand Forks	240,669	206,245	34,424	0.17
Eden Prairie	870,946	757,730	113,216	0.15
Edina	1,673,616	886,356	787,260	0.89
Elk River	537,441	342,447	194,994	0.57
Eveleth	108,623	107,711	912	0.01
Fairmont	424,843	247,669	177,174	0.72
Falcon Heights	130,818	78,589	52,229	0.66
Faribault	171,741	372,284	--	

Municipality	A ----- Amount Available 9-1-86 -----	B ----- 1986 Construction Allotment -----	C ----- Construction Fund Balance -----	D ----- Column C ----- Column B -----
Fergus Falls	515,396	246,221	269,175	1.09
Fridley	1,565,122	397,365	1,167,757	2.94
Golden Valley	1,781,513	579,173	1,202,340	2.08
Grand Rapids	426,566	186,598	239,968	1.29
Ham Lake	173,312	193,311	--	
Hastings	--	262,142	--	
Hermantown	729,510	256,823	472,687	1.84
Hibbing	736,737	802,724	--	
Hopkins	857,404	185,081	672,323	3.63
Hutchinson	286,372	207,229	79,143	0.38
International Falls	372,528	162,430	210,098	1.29
Inver Grove Heights	--	426,826	--	
Lake Elmo	382,939	156,263	226,676	1.45
Lakeville	460,466	444,734	15,732	0.04
Lino Lakes	811,011	267,027	543,984	2.04
Litchfield	208,428	141,013	67,415	0.48
Little Canada	241,222	148,420	92,802	0.63
Little Falls	489,487	155,668	333,819	2.14
Mankato	833,320	537,682	295,638	0.55
Maple Grove	726,450	766,588	--	
Maplewood	1,967,125	666,346	1,300,779	1.95
Marshall	213,221	190,418	22,803	0.12
Mendota Heights	400,934	187,015	213,919	1.14
Minneapolis	11,177,094	6,752,641	4,424,453	0.66
Minnetonka	588,608	925,580	--	
Montevideo	163,941	152,479	11,462	0.08
Moorhead	1,253,776	711,166	542,610	0.76
Morris	370,709	135,115	235,594	1.74
Mound	41,342	159,399	--	
Mounds View	99,160	152,638	--	
New Brighton	967,929	272,831	695,098	2.55
New Hope	844,221	319,274	524,947	1.64
New Ulm	980,278	292,047	688,231	2.36
Northfield	676,323	281,573	394,750	1.40
North Mankato	--	180,209	--	
North St. Paul	514,798	235,460	279,338	1.19
Oakdale	57,053	184,952	--	
Orono	251,116	172,771	78,345	0.45
Owatonna	282,194	448,800	--	

Municipality	A ----- Amount Aavailable 9-1-86 -----	B ----- 1986 Construction Allotment -----	C ----- Construction Fund Balance -----	D ----- Column C ----- Column B -----
Plymouth	161,554	712,408	--	
Prior Lake	486,204	231,006	255,198	1.10
Ramsey	477,396	368,236	109,160	0.30
Red Wing	30,643	415,633	--	
Redwood Falls	205,717	129,500	76,217	0.59
Richfield	1,258,250	449,767	808,483	1.80
Robbinsdale	477,263	198,485	278,778	1.40
Rochester	1,543,359	1,007,542	535,817	0.53
Rosemount	745,973	259,168	486,805	1.88
Roseville	1,369,512	599,009	770,503	1.29
St. Anthony	219,232	119,468	99,764	0.84
St. Cloud	967,340	791,994	175,346	0.22
St. Louis Park	1,063,030	823,662	239,368	0.29
St. Paul	6,403,322	5,211,512	1,191,810	0.23
St. Peter	271,665	140,979	130,686	0.93
Sauk Rapids	242,854	157,216	85,638	0.54
Savage	302,904	217,249	85,655	0.39
Shakopee	658,772	227,571	431,201	1.89
Shoreview	628,454	294,329	334,125	1.14
South St. Paul	450,402	269,038	181,364	0.67
Spring Lake Park	176,251	109,146	67,105	0.61
Stillwater	1,077,097	283,643	793,454	2.80
Thief River Falls	404,348	210,086	194,262	0.92
Vadnais Heights	174,576	100,978	73,598	0.73
Virginia	204,322	233,040	--	
Waseca	145,725	150,401	--	
West St. Paul	1,070,118	218,469	851,649	3.90
White Bear Lake	--	393,068	--	
Willmar	453,226	275,588	177,638	0.64
Winona	626,720	501,147	125,573	0.25
Woodbury	788,387	398,433	389,954	0.98
Worthington	408,607	194,544	214,063	1.10
TOTAL	78,311,767	50,809,002	33,390,720	0.66

1985 MUNICIPAL STATE AID STREET APPORTIONMENT DATA

Unencumbered Construction Fund Balance
(Amount as of September 1, 1986)

As a means of compensating for unexpended construction funds retained in the account of the several municipalities which are not reflected in the Municipal State Aid Street Needs Studies, the Municipal Engineers Screening Board has passed the following resolution:

BE IT RESOLVED: That for the determination of the Apportionment needs, the amount of the encumbered construction fund balance as of September 1st of the current year, not including the current year construction apportionment 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.

Pursuant to the above resolution, the required amounts have been deducted from the gross money needs of the below listed municipalities.

<u>Municipality</u>	<u>Amount</u>	<u>Percent of Basic Needs</u>	<u>Municipality</u>	<u>Amount</u>	<u>Percent of Basic Needs</u>
Albert Lea	\$ 629,596	.1746	Columbia Heights	\$ 428,295	.2687
Alexandria	85,819	.0445	Cottage Grove	305,431	.0684
Apple Valley	376,466	.1023	Crookston	104,738	.0360
Austin	251,497	.0457	Crystal	178,326	.0418
Bemidji	397,985	.1582	Detroit Lakes	27,317	.0154
Blaine	1,208,099	.2259	Duluth	1,140,792	.0460
Bloomington	410,301	.0277	East Grand Forks	34,424	.0174
Brooklyn Center	940,863	.1816	Eden Prairie	113,216	.0163
Champlin	69,930	.0407	Edina	787,260	.1022
Chanhassen	592,183	.1835	Elk River	194,994	.0376
Chaska	280,377	.1096	Eveleth	912	.0010
Chisholm	137,396	.0940	Fairmont	177,174	.0659

<u>Municipality</u>	<u>Amount</u>	<u>Percent of Basic Needs</u>
Falcon Heights	\$ 52,229	.1352
Fergus Falls	269,175	.1166
Fridley	1,167,757	.2996
Golden Valley	1,202,340	.1995
Grand Rapids	239,968	.1570
Hermantown	472,687	.1197
Hopkins	672,323	.3148
Hutchinson	79,143	.0457
International Falls	210,098	.1093
Lake Elmo	226,676	.1072
Lakeville	15,732	.0025
Lino Lakes	543,984	.1369
Litchfield	67,415	.0363
Little Canada	92,802	.0927
Little Falls	333,819	.1417
Mankato	295,638	.0619
Maplewood	1,300,779	.2084
Marshall	22,803	.0118
Mendota Heights	213,919	.0985
Minneapolis	4,424,453	.0537
Montevideo	11,462	.0067
Moorhead	542,610	.0703
Morris	235,594	.1107
New Brighton	695,098	.2348
New Hope	524,947	.2847
New Ulm	688,231	.2263
Northfield	394,750	.1159
North St. Paul	279,338	.1425
Orono	78,345	.0353
Prior Lake	255,198	.0883

<u>Municipality</u>	<u>Amount</u>	<u>Percent of Basic Needs</u>
Ramsey	\$ 109,160	.0232
Redwood Falls	76,217	.0558
Richfield	808,483	.3847
Robbinsdale	278,778	.2478
Rochester	535,817	.0490
Rosemount	486,805	.1208
Roseville	770,503	.1826
St. Anthony	99,764	.1004
St. Cloud	175,346	.0199
St. Louis Park	239,368	.0432
St. Paul	1,191,810	.0192
St. Peter	130,686	.1267
Sauk Rapids	85,638	.0391
Savage	85,655	.0277
Shakopee	431,201	.0810
Shoreview	334,125	.1678
South St. Paul	181,364	.0670
Spring Lake Park	67,105	.0726
Stillwater	793,454	.2556
Thief River Falls	194,262	.0775
Vadnais Heights	73,598	.0830
West St. Paul	851,649	.3117
Willmar	177,638	.0713
Winona	125,573	.0299
Woodbury	389,954	.0627
Worthington	214,063	.1140
TOTAL	\$33,390,720	

PROJECT LISTING OF MUNICIPAL STATE AID EXPENDITURES ON
COUNTY STATE AID OR TRUNK HIGHWAY PROJECTS IN 1985
(For Reference, see Off-system Resolution)

<u>MUNICIPALITY</u>	<u>PROJECT</u>	<u>PROJECT AMOUNT</u>	<u>TOTAL MONEY NEEDS ADJUSTMENT</u>
Albert Lea	101-020-04	\$ 119,205	\$ 119,205
Arden Hills	187-020-03	43,675	43,675
Austin	104-020-05	9,260	
	104-020-06	320,118	
		<u>329,378</u>	329,378
Bloomington	107-020-24	408,078	408,078
Burnsville	179-020-02	13,763	13,763
Chaska	196-010-04	115,757	115,757
Coon Rapids	114-010-02	896	896
Fridley	127-020-04	4,251	
	127-020-05	80	
	127-020-06	12,984	
		<u>17,315</u>	17,315
Hopkins	132-010-02	12,474	
	132-020-05	39,908	
		<u>52,382</u>	52,382
Inver Grove Heights	178-020-06	976	976
Lakeville	188-010-01	706,111	706,111
Mankato	137-010-15	80,569	
	137-020-11	521,087	
		<u>601,656</u>	601,656
Minneapolis	141-020-06	18,609	
	141-020-09	908	
	141-020-14	17,250	
		<u>36,767</u>	36,767
Minnetonka	142-010-08	181,950	
	142-020-11	61,421	
	142-020-14	355,030	
	142-020-15	255,079	
	142-020-16	470,817	
		<u>1,324,297</u>	1,324,297
Morris	190-020-04	3,599	3,599

<u>MUNICIPALITY</u>	<u>PROJECT</u>	<u>PROJECT AMOUNT</u>	<u>TOTAL MONEY NEEDS ADJUSTMENT</u>
New Brighton	147-020-06	1,890	
	147-020-07	<u>12,583</u>	
		14,473	14,473
St. Anthony	161-020-05	63,941	
	161-020-06	<u>13,806</u>	
		77,747	77,747
St. Cloud	162-010-05	8,509	
	162-020-14	<u>(145,605)</u>	
		(137,096)	(137,096)
St. Louis Park	163-010-22	107,800	107,800
St. Paul	164-010-32	247,419	
	164-010-33	45,937	
	164-020-54	72,631	
	164-020-55	<u>1,007,386</u>	
		1,373,373	1,373,373
Shoreview	167-020-03	50,750	50,750
Thief River Falls	170-010-03	281,225	
		<u>72,765</u>	
		353,990	353,990
Willmar	175-010-01	17,057	17,057
		TOTAL	\$5,631,949

AUTHORIZED MUNICIPAL STATE AID EXPENDITURES
ON COUNTY STATE AID OR TRUNK HIGHWAY

(For Reference, See Offsystem Resolution)

MUNICIPALITY	1985 OFFSYSTEM EXPENDITURES (+)	1975 - 1984 EXPENDITURE ADJUSTMENT=	1987 APPORTION- MENT ADJUSTMENT	PERCENT OF BASIC NEEDS
-----	-----	-----	-----	-----
Albert Lea	\$119,205	--	\$119,205	3.3%
Alexandria	--	--	0	0.0%
Andover	--	\$113,955	113,955	2.8%
Anoka	--	198,718	198,718	8.1%
Apple Valley	--	--	0	0.0%
Arden Hills	43,675	37,308	80,983	6.3%
Austin	329,378	369,688	699,066	12.7%
Bemidji	--	--	0	0.0%
Blaine	--	233,659	233,659	4.4%
Bloomington	408,078	1,616,159	2,024,237	13.7%
Brainerd	--	40,806	40,806	1.8%
Brooklyn Center	--	38,893	38,893	0.8%
Brooklyn Park	--	8,274	8,274	0.2%
Burnsville	13,763	--	13,763	0.2%
Champlin	--	--	0	0.0%
Chanhassen	--	--	0	0.0%
Chaska	115,757	15,980	131,737	5.2%
Chisholm	--	32,143	32,143	2.2%
Cloquet	--	--	0	0.0%
Columbia Heights	--	30,000	30,000	1.9%
Coon Rapids	896	470,627	471,523	12.4%
Cottage Grove	--	--	0	0.0%
Crookston	--	--	0	0.0%
Crystal	--	182,488	182,488	4.3%
Detroit Lakes	--	--	0	0.0%
Duluth	--	228,540	228,540	0.9%
Eagan	--	6,235	6,235	0.1%
East Bethel	--	--	0	0.0%
East Grand Forks	--	--	0	0.0%
Eden Prairie	--	328,143	328,143	4.7%
Edina	--	797,670	797,670	10.4%
Elk River	--	--	0	0.0%
Eveleth	--	--	0	0.0%
Fairmont	--	--	0	0.0%
Falcon Heights	--	--	0	0.0%
Faribault	--	70,369	70,369	1.9%
Fergus Falls	--	128,635	128,635	5.6%
Fridley	17,315	79,500	96,815	2.5%
Golden Valley	--	--	0	0.0%
Grand Rapids	--	--	0	0.0%
Ham Lake	--	--	0	0.0%
Hastings	--	201,463	201,463	10.2%
Hermantown	--	--	0	0.0%
Hibbing	--	--	0	0.0%
Hopkins	52,382	344,723	397,105	18.6%
Hutchinson	--	--	0	0.0%
International Falls	--	--	0	0.0%
Inver Grove Heights	976	62,344	63,320	1.6%
Lake Elmo	--	--	0	0.0%
Lakeville	706,111	415,141	1,121,252	18.1%
Lino Lakes	--	--	0	0.0%

Litchfield	--	124,504	124,504	6.7%
Little Canada	--	--	0	0.0%
Little Falls	--	--	0	0.0%
Mankato	601,656	847,109	1,448,765	30.3%
Maple Grove	--	11,706	11,706	0.1%
Maplewood	--	--	0	0.0%
Marshall	--	12,703	12,703	0.7%
Mendota Heights	--	7,351	7,351	0.3%
Minneapolis	36,767	1,282,631	1,319,398	1.6%
Minnetonka	1,324,297	3,307,354	4,631,651	41.0%
Montevideo	--	--	0	0.0%
Moorhead	--	7,017	7,017	0.1%
Morris	3,599	184,026	187,625	8.8%
Mound	--	108,931	108,931	7.7%
Mounds View	--	--	0	0.0%
New Brighton	14,473	679,839	694,312	23.5%
New Hope*	(25,091)	191,466	166,375	9.0%
New Ulm	--	33,191	33,191	1.1%
Northfield	--	--	0	0.0%
North Mankato	--	--	0	0.0%
North St. Paul	--	55,878	55,878	2.9%
Oakdale	--	--	0	0.0%
Orono	--	28,516	28,516	1.3%
Owatonna	--	365,642	365,642	7.8%
Plymouth	--	381,328	381,328	4.9%
Prior Lake	--	--	0	0.0%
Ramsey	--	--	0	0.0%
Red Wing	--	--	0	0.0%
Redwood Falls	--	--	0	0.0%
Richfield	--	35,576	35,576	1.7%
Robbinsdale**	(69,130)	261,706	192,576	17.1%
Rochester	--	43,384	43,384	0.4%
Rosemount	--	--	0	0.0%
Roseville	--	--	0	0.0%
St. Anthony	77,747	118,861	196,608	19.8%
St. Cloud	(137,096)	463,924	326,828	3.7%
St. Louis Park	107,800	1,349,852	1,457,652	26.3%
St. Paul	1,373,373	1,687,055	3,060,428	4.9%
St. Peter	--	--	0	0.0%
Sauk Rapids	--	118,693	118,693	5.4%
Savage	--	--	0	0.0%
Shakopee	--	9,092	9,092	0.2%
Shoreview	50,750	69,982	120,732	6.1%
South St. Paul	--	107,333	107,333	4.0%
Spring Lake Park	--	7,532	7,532	0.8%
Stillwater	--	8,993	8,993	0.3%
Thief River Falls	353,990	46,567	400,557	16.0%
Vadnais Heights	--	--	0	0.0%
Virginia	--	35,380	35,380	2.1%
Waseca	--	--	0	0.0%
West St. Paul	--	190,000	190,000	7.0%
White Bear Lake	--	167,468	167,468	3.1%
Willmar	17,057	246,630	263,687	10.6%
Winona	--	--	0	0.0%
Woodbury	--	71,559	71,559	1.1%
Worthington	--	31,113	31,113	1.7%
TOTAL	\$5,537,728	\$18,751,353	\$24,289,081	

* New Hope's reduction of \$25,091 for a period of 10 years has expired.

** Robbinsdale's reduction of \$69,130 for a period of 10 years has expired.

Unamortized Bond Account Balance
(Amount as of December 31, 1985)

To compensate for unpaid Municipal State Aid obligations that are not reflected in the Municipal State Aid Needs Studies, the Municipal Engineers' Screening Board passed resolutions which provide that a separate annual adjustment shall be made in total money needs for a municipality that has sold and issued bonds pursuant to Minnesota Statutes, Chapter 162.18 for use on State Aid Projects. This adjustment, which covers the amortization period, and which annually reflects the net unamortized bonded debt, shall be accomplished by adding said net unamortized bond 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.

Also, that for the purpose of this separate annual adjustment, the unamortized balance of the Saint Paul Bond Account as authorized in 1953, second 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, Chapter 162.18.

<u>Municipality</u>	<u>Amount of Issue</u>	<u>Unamortized Bond Balance</u>	<u>Total Disbursements and Obligations to December 31, 1985</u>	<u>Unencumbered Balance Available</u>	<u>Bond Account Adjustment</u>
Alexandria	\$ 175,000	\$ 30,000	\$ 175,000	\$ - 0 -	\$ 30,000
Andover	510,000	460,000	394,291	115,709	344,291
Apple Valley	1,225,000	895,000	1,225,000	- 0 -	895,000
Bloomington	1,859,000	- 0 -	1,859,000	- 0 -	- 0 -
Brainerd	1,050,000	715,000	620,000	430,000	285,000
Brooklyn Center	1,050,000	360,000	1,050,000	- 0 -	360,000
Cloquet	405,000	70,000	405,000	- 0 -	70,000
Cottage Grove	1,170,000	665,000	524,478	645,522	19,478
Detroit Lakes	200,000	- 0 -	200,000	- 0 -	- 0 -
Duluth	1,425,000	1,425,000	1,300,000	125,000	1,300,000
East Grand Forks	325,000	150,000	325,000	- 0 -	150,000
Eden Prairie	2,300,000	1,200,000	2,120,613	179,387	1,020,613
Falcon Heights	245,000	50,000	215,306	29,694	20,306
Faribault	550,000	225,000	550,000	- 0 -	225,000
Grand Rapids	200,000	50,000	200,000	- 0 -	50,000
Ham Lake	330,000	100,000	330,000	- 0 -	100,000

<u>Municipality</u>	<u>Amount of Issue</u>	<u>Unamortized Bond Balance</u>	<u>Total Disbursements and Obligations to December 31, 1985</u>	<u>Unencumbered Balance Available</u>	<u>Bond Account Adjustment</u>
*Little Falls	\$ 245,000	\$ 20,000	\$ 222,443	\$ - 0 -(22,557)	\$ (2,557)
Mankato	610,000	- 0 -	606,379	3,621	(3,621)
Maple Grove	1,100,000	400,000	1,091,625	8,375	391,625
Maplewood	540,000	240,000	540,000	- 0 -	240,000
Marshall	310,000	160,000	235,496	74,504	85,496
Mendota Heights	535,000	270,000	523,628	11,372	258,628
Minneapolis	4,000,000	- 0 -	4,000,000	- 0 -	- 0 -
Minnetonka	750,000	- 0 -	620,939	129,061	(129,061)
Mound	275,000	140,000	275,000	- 0 -	140,000
Moundsview	140,000	- 0 -	133,094	6,906	(6,906)
New Hope	101,000	- 0 -	100,397	603	(603)
Northfield	315,000	- 0 -	257,418	57,582	(57,582)
Orono	270,000	110,000	204,747	65,253	44,747
Red Wing	600,000	475,000	600,000	- 0 -	475,000
Redwood Falls	215,000	115,000	- 0 -	215,000	(100,000)
Roseville	2,225,000	2,225,000	- 0 -	2,225,000	- 0 -
St. Cloud	3,980,000	2,940,000	2,755,388	1,224,612	1,715,388
St. Paul	- 0 -	- 0 -	- 0 -	- 0 -	1,100,066
Spring Lake Park	195,000	95,000	156,107	38,893	56,107
Stillwater	255,000	- 0 -	255,000	- 0 -	- 0 -
Virginia	420,000	265,000	420,000	- 0 -	265,000
Woodbury	263,000	120,000	98,936	164,064	(44,064)
TOTAL	\$31,688,000**	\$15,065,000**	\$25,430,935**	\$6,257,065**	\$9,908,001

* Amount of Disbursements reduced due to monies being expended off the Municipal State Aid System;
Little Falls - \$22,557 (1979-87).

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

1986 MUNICIPAL SCREENING BOARD DATA

Non-Existing Bridge Construction

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

BE IT RESOLVED:

"The money needs for all "non-existing" bridges and grade separation 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."

Pursuant to the above resolution, the listed amounts as of December 31, 1985, have been added to the total money needs of each of the following municipalities.

<u>Municipality</u>	<u>First Year of Adjustment</u>	<u>Year of Apportionment Expiration</u>	<u>Amount</u>
Albert Lea	1976	1991	\$ 245,320
Bloomington	1987	2001	1,255,688
Brainerd	1974	1989	576,113
Brooklyn Center	1974	1989	197,709
Burnsville	1985	2000	349,684
Chaska	1974	1989	28,800
Eden Prairie	1984	1999	974,299
Grand Rapids	1979	1994	553,858
Hastings	1982	1997	233,038
Hutchinson	1978	1993	570,793
Maplewood	1973 & 1974	1988 & 1989	664,966
Minneapolis	1982 & 1985	1997 & 2000	1,493,191
Moorhead	1974	1989	7,530
Red Wing	1978 & 1985	1993 & 2000	1,145,475
Rochester	1974	1989	84,378
St. Louis Park	1971 & 1978	1986 & 1993	1,492,570
St. Paul	1974 & 1981	1989 & 1996	1,221,432
TOTAL			\$11,094,844

PROJECT LISTING OF RIGHT-OF-WAY ACQUISITION IN 1985

<u>MUNICIPALITY</u>	<u>PROJECT</u>	<u>PROJECT AMOUNT</u>	<u>TOTAL MONEY NEEDS ADJUSTMENT</u>
Bloomington	Con. Sect. 422 Seg. 090	\$ 44,251	
	Con. Sect. 433 Seg. 030	510,000	
	Con. Sect. 418 Seg. 010	56,620	
	Con. Sect. 433 Seg. 040	9,850	
		<u>620,721</u>	\$ 620,721
Crystal	116-050-20	300,034	
	116-050-21	107,009	
	116-050-28	5,790	
		<u>412,833</u>	412,833
Duluth	118-121-02	15,750	15,750
Golden Valley	128-332-02	199,520	199,520
Lake Elmo	206-104-01	19,706	19,706
Mankato	137-119-02	230,045	230,045
Minneapolis	141-165-13	250,500	250,500
Mound	145-104-02	91,291	91,291
Northfield	149-115-03	5,740	5,740
Ramsey	199-110-01	34,920	
	199-105-01	10,983	
		<u>45,903</u>	45,903
Rochester	159-050-08	24,730	
	159-113-06	3,000	
		<u>27,730</u>	27,730
St. Cloud	162-123-09	18,000	18,000
St. Paul	164-196-03	40,088	40,088
Waseca	172-112-02	5,000	5,000
Worthington	177-111-01	26,842	26,842
TOTAL			\$2,009,669

NEEDS ADJUSTMENT FOR RIGHT-OF-WAY ACQUISITION
(For reference, see Right-of-Way Resolution)

<u>MUNICIPALITY</u>	1976-1984 EXPENDITURES TOTAL NEEDS FOR THE 1986 APPORTIONMENT	1985 (+)EXPENDITURES (=)	TOTAL NEEDS FOR 1987 APPORTIONMENT ADJUSTMENT
Anoka	\$ 28,974	--	\$ 28,974
Bloomington	211,770	\$ 620,721	832,491
Burnsville	304,777	--	304,777
Cloquet	73,539	--	73,539
Crookston	149,174	--	149,174
Crystal	1,280,343	412,833	1,693,176
Duluth	159,500	15,750	175,250
Eagan	271,918	--	271,918
East Bethel	14,000	--	14,000
Fairmont	1,825	--	1,825
Faribault	2,346	--	2,346
Fergus Falls	33,600	--	33,600
Fridley	5,853	--	5,853
Golden Valley	720,932	199,520	920,452
Hastings	17,620	--	17,620
Hibbing	14,000	--	14,000
Inver Grove Heights	20,997	--	20,997
Lake Elmo	--	19,706	19,706
Little Canada	43,300	--	43,300
Mankato	--	230,045	230,045
Maple Grove	50,038	--	50,038
Marshall	58,320	--	58,320
Minneapolis	3,278,216	250,500	3,528,716
Minnetonka	282,150	--	282,150
Moorhead	21,000	--	21,000
Morris	13,097	--	13,097
Mound	--	91,291	91,291
Northfield	3,110	5,740	8,850
North Mankato	395,146	--	395,146
Owatonna	113,638	--	113,638
Plymouth	25,208	--	25,208
Ramsey	44,008	45,903	89,911
Red Wing	76,176	--	76,176

Richfield	\$ 1,152,857	--	\$ 1,152,857
Rochester	451,191	\$ 27,730	478,921
St. Cloud	760,233	18,000	778,233
St. Louis Park	335,520	--	335,520
St. Paul	2,429,930	40,088	2,470,018
Sauk Rapids	9,834	--	9,834
Stillwater	104,442	--	104,442
Waseca	--	5,000	5,000
White Bear Lake	177,573	--	177,573
Willmar	22,500	--	22,500
Winona	340,950	--	340,950
Worthington	--	26,842	26,842
TOTAL	\$13,499,605	\$2,009,669	\$15,509,274

Needs Adjustment for Reconstruction Projects

The Municipal Screening Board at its June, 1983 meeting passed a resolution which gives a municipality a credit adjustment in their money needs apportionment, whenever State Aid funds are spent on a State Aid Street for the second time. This adjustment is made in place of attempting to justify inclusion in the Needs reporting.

The resolution states That:

The money needs for all streets and bridges constructed with State Aid funds with the exception of additional surfacing, shall be removed from the Needs Study until such time as a reconstruction project is awarded. At that time, a money needs adjustment shall be made by annually adding the total amount of the street or bridge cost that is eligible for State Aid reimbursement for a 15-year period. This cost to exclude any Federal or State Aid grants and to be effective on all reconstruction projects awarded after January 1, 1983.

The following summary shows the reconstruction projects reported:

Municipality	Project No.	Type of Project	Date of Constr.	Date of Reconst.	Years of Apport. Adj.	Amount	Total Adjustment
Austin	104-120-01	G, B, Conc. Surf.	1961	1984	1986-2000	67,543	67,543
Brainerd	108-103-07	GR, B, S	1959	1984	1986-2000	\$25,526	
Brainerd	108-114-03	GR, B, S	1967	1984	1986-2000	65,748	
Brainerd	108-114-04	GR, B, S	1967	1984	1986-2000	15,064	
Brainerd	108-117-03	GR, B, S	1967	1984	1986-2000	8,110	
Brainerd	108-118-02	GR, B, S	1973	1984	1986-2000	11,679	
Brainerd	108-124-05	GR, B, S	1959	1985	1987-2001	58,908	185,035
Mendota Heights	140-103-06	WID, GR, B, S	1966	1985	1987-2001	129,628	129,628
St. Paul	164-113-17	Bridge Repair	1969	1983	1985-1999	307,298	
St. Paul	164-156-10	Bridge Repair	1970	1983	1985-1999	103,674	
St. Paul	164-109-14	G, B, S & S. S.	1962	1983	1985-1999	138,932	
St. Paul	164-141-08	Bridge Repair	1965	1984	1986-2000	151,484	
St. Paul	164-159-23	Bridge Rehab	1964	1984	1986-2000	449,427	
St. Paul	164-159-22	Bit. Misc.	1964	1984	1986-2000	133,952	1,284,767
STATE TOTAL							\$1,666,973

LISTING OF 1984-1985 STORM SEWER PROJECTS
(For reference, see storm sewer resolution)

<u>CITY</u>	<u>PROJECT</u>	<u>AMOUNT</u>	<u>TOTAL STORM SEWER NEEDS</u>
Alexandria	102-113-01	41,257	41,257
Anoka	103-129-01	24,816	
	103-134-04	2,858	27,674
Apple Valley	186-102-04	38,657	
	186-104-05	6,107	
	186-105-01	18,727	63,491
Bemidji	105-103-03	2,003	
	105-104-06	1,865	
	105-105-05	2,609	
	105-106-04	59,912	
	105-121-01	4,260	70,649
Blaine	106-109-03	25,063	25,063
Bloomington	107-130-24	28,871	
	107-131-19	14,583	
	107-422-07	67,355	110,809
Brainerd	108-136-01	64,746	64,746
Brooklyn Park	110-110-05	86,343	86,343
Burnsville	179-108-01	72,922	
	179-108-04	112,058	
	179-110-03	282,148	
	179-113-08	35,846	
	179-113-09	51,204	
	179-113-11	85,970	
	179-116-02	99,814	739,962
Chaska	196-110-01	31,784	31,784
Cloquet	112-103-05	23,159	
	112-104-01	26,117	
	112-110-01	5,884	
	112-111-01	15,335	
	112-112-03	4,507	
	112-114-01	13,708	
	112-124-01	44,366	
	112-125-01	27,581	
	112-136-01	34,020	
	112-144-01	26,207	220,884
Coon Rapids	114-102	11,951	
	114-104-08	71,056	
	114-107-06	120,359	
	114-114-03	109,029	
	114-120	11,477	
	114-121-04	54,458	
	114-125-02	16,595	
	114-129-01	54,041	448,966

Crystal	116-318-03	9,136	
	116-514-30	295,488	304,624
Duluth	118-105-03	228,650	
	118-171-03	10,741	239,391
East Grand Forks	119-102-04	181,820	181,820
Elk River	204-113-01	256,925	26,925
Faribault	125-118-02	3,262	
	125-125-03	9,548	12,810
Golden Valley	128-134-01	89,741	89,741
Hastings	130-125-01	66,770	
	130-130-01	53,536	120,306
Hopkins	132-348-02	9,499	9,499
Inver Grove Heights	178-103-06	56,855	
	178-103-08	54,880	111,735
Lakeville	188-101-03	6,268	
	188-110-04	48,298	54,566
Litchfield	135-104-01	283,323	
	135-116-01	71,882	355,205
Mankato	137-119-02	70,413	70,413
Maple Grove	189-102-03	21,604	
	189-103-02	9,209	
	189-105-03	142,099	
	189-107-07	30,150	203,062
Minneapolis	141-165-13	90,930	
	141-205-04	96,300	
	141-242	535,171	
	141-252	14,542	
	141-328-05	43,134	780,077
Minnetonka	142-128-03	9,499	9,499
Moorhead	144-104-06	21,415	
	144-106-03	28,625	50,040
Mounds View	146-229-04	38,767	38,767
New Hope	182-101-07	42,096	42,096
New Ulm	148-121-05	191,074	191,074
Northfield	149-101-01	57,120	
	149-118-01	28,559	85,679
North Mankato	150-253-01	70,982	70,982

Oakdale	185-121-07	72,188	
	185-232-01	60,776	132,964
Prior Lake	201-106-01	29,012	
	201-107-01	132,165	161,177
Ramsey	199-105-01	39,858	
	199-105-02	21,820	
	199-110-01	34,697	96,375
Red Wing	156-122-03	37,427	
	156-132-01	17,363	54,790
Rochester	159-101-05	26,591	
	159-105-05	107,086	
	159-119-01	38,207	171,884
Rosemount	208-102-01	6,839	
	208-103-02	78,613	85,452
Roseville	160-219-08	134,926	
	160-225-02	29,078	164,004
St. Cloud	162-110-11	15,080	
	162-117-09	14,669	
	162-123-09	7,944	
	162-128-09	29,656	67,349
St. Paul	164-108 etc.	357,790	
	164-109-16	85,616	
	164-121-12	26,877	
	164-125 etc.	323,565	
	164-138	451,936	
	164-157	3,034	
	164-157-12	142,928	
	164-158-10	57,441	
	164-179-09	42,145	
	164-198-18	733,330	
	164-232 etc.	66,640	
	164-253-01	64,157	
	164-259-01	147,080	2,502,539
St. Peter	165-107-01	42,935	
	165-107-02	21,559	
	165-108-04	24,151	88,645
Shoreview	167-258-02	16,445	16,445
Stillwater	169-119-01	84,848	84,848
Virginia	171-202-01	33,107	33,107
Waseca	172-102	23,639	23,639
Willmar	175-152-01	69,368	69,368
Woodbury	192-101-02	14,224	14,224
Worthington	177-111-01	20,078	<u>20,078</u>
TOTAL			\$ 8,766,827

1986 MUNICIPAL STATE AID STREET NEEDS REPORT

Trunk Highway Turnbacks

The following tabulation shows the Trunk Highway Turnback Maintenance allowance for the 1987 Apportionment. All turnbacks eligible for maintenance payments are included in this tabulation as of October 1, 1986. 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 Desig.	1987 Maintenance Allowance Months X Miles X \$1500	Total
<u>Bemidji</u> 125	9-82	0.72	No		0.72	12-82	0.72 X \$1500 = \$1,080	\$1,080
<u>Mankato</u> 101 (TH 22)	4-1-85	1.12	No		1.12	6-85	1.12 X \$1500 = \$1,680	
120	6-1-77	0.66	Yes	0.42	0.24		0.24 X \$1500 = \$ 360	
123 (TH 14)	4-1-85	<u>1.42</u> 3.20	No	<u>0.42</u>	<u>1.42</u> 2.78	6-85	1.42 X \$1500 = <u>\$2,130</u> \$4,170	\$4,170
<u>North Mankato</u> 116	8-78	1.79	Yes	1.00	.68	10-78	.68 X \$1500 = \$1,020	\$1,020
<u>St. Cloud</u> 140	10-80	1.36	Yes	0.21	1.15	2-81	1.15 X \$1500 = \$1,725	\$1,725
TOTAL								\$7,995

October 29, 1986

Richard P. Braun, Commissioner
Minnesota Department of Transportation
Room 411
State Transportation Building
St. Paul, Minnesota 55155

Dear Commissioner Braun:

We, the undersigned, as members of the 1986 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 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 1987 Apportionment Sum as provided by Minnesota Statutes, Chapter 162.13, Subdivision 1.

Respectfully submitted,

Fred Moore
Secretary

Larry Anderson
Chairman

Kenneth Saffert
Vice Chairman

Approved:

Clyde Busby
District 1

Gary Sanders
District 2

Ronald Schweninger
District 3

Dan Edwards
District 4

Ronald Rudrud
District 5

Richard Murphy
District 6

Martin Menk
District 7

Thomas Rodeberg
District 8

Steven Gatlin
District 9

John Carlson
Duluth

Marvin Hoshaw
Minneapolis

Robert Peterson
St. Paul

Attachment: Money Needs Listing

1986 MUNICIPAL STATE AID NEEDS REPORT

1986 Money Needs Recommendations

Municipality	Money Needs	Municipality	Money Needs
Albert Lea	\$3,606,397	Fergus Falls	2,308,330
Alexandria	1,930,430	Fridley	3,897,667
Andover	4,001,267	Golden Valley	6,027,930
Anoka	2,463,721	Grand Rapids	1,528,514
Apple Valley	3,679,029	Ham Lake	1,997,567
Arden Hills	1,281,998	Hastings	1,967,598
Austin	5,503,315	Hermantown	3,949,053
Bemidji	2,516,271	Hibbing	12,571,979
Blaine	5,349,026	Hopkins	2,135,700
Bloomington	14,806,159	Hutchinson	1,729,064
Brainerd	2,308,954	International Falls	1,922,594
Brooklyn Center	5,182,030	Inver Grove Heights	4,066,938
Brooklyn Park	5,497,921	Lake Elmo	2,114,514
Burnsville	6,658,462	Lakeville	6,186,169
Champlin	1,719,141	Lino Lakes	3,973,268
Chanhassen	3,227,512	Litchfield	1,857,415
Chaska	2,557,795	Little Canada	1,001,090
Chisholm	1,461,582	Little Falls	2,355,705
Cloquet	6,084,031	Mankato	4,773,678
Columbia Heights	1,593,665	Maple Grove	11,265,353
Coon Rapids	3,807,087	Maplewood	6,240,658
Cottage Grove	4,464,520	Marshall	1,928,248
Crookston	2,912,875	Mendota Heights	2,172,497
Crystal	4,266,326	Minneapolis	82,460,347
Detroit Lakes	1,776,544	Minnetonka	11,290,921
Duluth	24,824,936	Montevideo	1,719,800
Eagan	6,017,277	Moorhead	7,722,257
East Bethel	2,698,763	Morris	2,128,170
East Grand Forks	1,981,515	Mound	1,417,778
Eden Prairie	6,950,396	Mounds View	1,082,247
Edina	7,706,583	New Brighton	2,960,016
Elk River	5,192,709	New Hope	1,843,719
Eveleth	957,197	New Ulm	3,040,831
Fairmont	2,689,517	Northfield	3,407,006
Falcon Heights	386,299	North Mankato	1,156,529
Faribault	3,627,417	North St. Paul	1,960,217

Municipality -----	Money Needs -----
Oakdale	2,903,868
Orono	2,218,361
Owatonna	4,666,040
Plymouth	7,741,154
Prior Lake	2,891,482
Ramsey	4,715,185
Red Wing	4,543,943
Redwood Falls	1,365,206
Richfield	2,101,752
Robbinsdale	1,124,811
Rochester	10,946,184
Rosemount	4,030,906
Roseville	4,220,455
St. Anthony	993,470
St. Cloud	8,826,142
St. Louis Park	5,538,755
St. Paul	61,972,488
St. Peter	1,031,393
Sauk Rapids	2,188,382
Savage	3,094,094
Shakopee	5,321,098
Shoreview	1,990,619
South St. Paul	2,706,865
Spring Lake Park	923,763
Stillwater	3,104,649
Thief River Falls	2,506,459
Vadnais Heights	886,706
Virginia	1,666,034
Waseca	921,762
West St. Paul	2,732,033
White Bear Lake	5,328,506
Willmar	2,491,693
Winona	4,204,700
Woodbury	6,223,133
Worthington	1,878,024
TOTAL	\$551,850,149

1986 MUNICIPAL STATE AID NEEDS REPORT

Comparison of 1986 to the tentative 1987 Money Needs Apportionment

Comparing the actual 1986 to the tentative 1987 money needs apportionment which is based on an estimated amount. We find that 7 cities show an increase in apportionment, and 3 have an increase of 10 percent or more. And 77 of the 100 cities which have decreased are ten percent or larger.

The explanations for these changes from the 1986 apportionment are reflected in the "1986 M.S.A.S. Needs Study Update" and the "Tentative 1987 Money Needs Apportionment Determination" which appeared previously in the book. Also, a detailed explanation of each variance is available on request.

1986 MUNICIPAL STATE AID NEEDS REPORT

Comparison of the 1986 to 1987 Apportionment

Comparing the 1986 to the 1987 total apportionment we find that 7 municipalities increased and 100 decreased. The reason for variations in the annual allotments are explained in the "1986 Municipal State Aid Needs Report" published in October, 1986 and reviewed by the Municipal Screening Board at their Fall meeting.

Municipality	1986 Total Allotment	1987 Total Allotment	Increase (Decrease)	
			Amount	%
Albert Lea	\$400,371	\$351,794	(\$48,577)	-12%
Alexandria	193,395	171,353	(22,042)	-11%
Andover	309,742	301,125	(8,617)	-3%
Anoka	313,395	274,512	(38,883)	-12%
Apple Valley	595,810	487,972	(107,838)	-18%
Arden Hills	155,961	141,228	(14,733)	-9%
Austin	500,781	462,562	(38,219)	-8%
Bemidji	317,039	220,337	(96,702)	-31%
Blaine	569,100	486,638	(82,462)	-14%
Bloomington	1,738,408	1,553,101	(185,307)	-11%
Brainerd	319,772	282,091	(37,681)	-12%
Brooklyn Center	651,301	554,265	(97,036)	-15%
Brooklyn Park	828,007	719,639	(108,368)	-13%
Burnsville	930,298	758,108	(172,190)	-19%
Champlin	211,151	173,130	(38,021)	-18%
Chanhassen	225,288	192,886	(32,402)	-14%
Chaska	219,164	191,614	(27,550)	-13%
Chisholm	146,970	125,273	(21,697)	-15%
Cloquet	463,347	425,913	(37,434)	-8%
Columbia Heights	316,509	263,368	(53,141)	-17%
Coon Rapids	642,898	555,328	(87,570)	-14%
Cottage Grove	477,849	398,756	(79,093)	-17%
Crookston	268,886	232,012	(36,874)	-14%
Crystal	565,352	549,878	(15,474)	-3%
Detroit Lakes	148,797	158,122	9,325	6%
Duluth	2,389,592	2,176,723	(212,869)	-9%
Eagan	731,165	619,594	(111,571)	-15%
East Bethel	229,957	199,387	(30,570)	-13%
East Grand Forks	221,365	198,463	(22,902)	-10%
Eden Prairie	789,725	659,249	(130,476)	-17%
Edina	943,656	774,424	(169,232)	-18%
Elk River	364,587	312,100	(52,487)	-14%
Eveleth	116,666	98,506	(18,160)	-16%

Municipality -----	1986 Total Allotment -----	1987 Total Allotment -----	Increase (Decrease) -----	
			Amount	% -----
Fairmont	272,944	240,730	(32,214)	-12%
Falcon Heights	82,204	72,194	(10,010)	-12%
Faribault	399,254	351,733	(47,521)	-12%
Fergus Falls	263,621	224,528	(39,093)	-15%
Fridley	529,820	441,931	(87,889)	-17%
Golden Valley	612,068	517,774	(94,294)	-15%
Grand Rapids	201,343	173,632	(27,711)	-14%
Ham Lake	217,971	182,421	(35,550)	-16%
Hastings	280,442	237,074	(43,368)	-15%
Hermantown	276,383	237,444	(38,939)	-14%
Hibbing	871,619	851,894	(19,725)	-2%
Hopkins	198,566	211,574	13,008	7%
Hutchinson	221,464	203,988	(17,476)	-8%
International Falls	169,645	141,382	(28,263)	-17%
Inver Grove Heights	446,221	377,722	(68,499)	-15%
Lake Elmo	169,643	146,851	(22,792)	-13%
Lakeville	473,429	399,360	(74,069)	-16%
Lino Lakes	280,962	222,962	(58,000)	-21%
Litchfield	152,128	158,630	6,502	4%
Little Canada	154,570	122,724	(31,846)	-21%
Little Falls	207,558	172,579	(34,979)	-17%
Mankato	567,532	474,455	(93,077)	-16%
Maple Grove	906,588	870,579	(36,009)	-4%
Maplewood	688,321	562,150	(126,171)	-18%
Marshall	252,598	214,226	(38,372)	-15%
Mendota Heights	200,440	188,373	(12,067)	-6%
Minneapolis	9,003,522	7,831,379	(1,172,143)	-13%
Minnetonka	980,960	730,993	(249,967)	-25%
Montevideo	163,789	143,392	(20,397)	-12%
Moorhead	745,111	661,084	(84,027)	-11%
Morris	144,265	138,659	(5,606)	-4%
Mound	184,399	170,725	(13,674)	-7%
Mounds View	203,517	184,815	(18,702)	-9%
New Brighton	363,775	318,049	(45,726)	-13%
New Hope	338,144	298,055	(40,089)	-12%
New Ulm	311,067	264,005	(47,062)	-15%
Northfield	315,173	277,454	(37,719)	-12%
North Mankato	192,914	174,305	(18,609)	-10%
North St. Paul	244,970	202,361	(42,609)	-17%
Oakdale	246,603	272,283	25,680	10%
Orono	186,811	174,943	(11,868)	-6%
Owatonna	473,025	406,296	(66,729)	-14%

Municipality	1986 Total Allotment	1987 Total Allotment	Increase (Decrease)	
			Amount	%
Plymouth	754,993	684,361	(70,632)	-9%
Prior Lake	239,676	210,319	(29,357)	-12%
Ramsey	385,471	335,416	(50,055)	-13%
Red Wing	475,009	445,601	(29,408)	-6%
Redwood Falls	135,980	111,426	(24,554)	-18%
Richfield	599,689	510,442	(89,247)	-15%
Robbinsdale	213,980	181,746	(32,234)	-15%
Rochester	1,055,272	1,137,678	82,406	8%
Rosemount	268,573	227,330	(41,243)	-15%
Roseville	629,369	547,057	(82,312)	-13%
St. Anthony	127,283	116,710	(10,573)	-8%
St. Cloud	1,071,059	968,393	(102,666)	-10%
St. Louis Park	873,662	719,961	(153,701)	-18%
St. Paul	6,948,683	6,002,155	(946,528)	-14%
St. Peter	151,974	141,955	(10,019)	-7%
Sauk Rapids	167,791	156,692	(11,099)	-7%
Savage	225,364	199,108	(26,256)	-12%
Shakopee	243,066	338,081	95,015	39%
Shoreview	302,774	254,947	(47,827)	-16%
South St. Paul	358,717	337,570	(21,147)	-6%
Spring Lake Park	115,461	111,004	(4,457)	-4%
Stillwater	300,563	248,220	(52,343)	-17%
Thief River Falls	225,401	186,750	(38,651)	-17%
Vadnais Heights	105,913	92,357	(13,556)	-13%
Virginia	250,080	207,930	(42,150)	-17%
Waseca	158,411	131,348	(27,063)	-17%
West St. Paul	235,899	274,376	38,477	16%
White Bear Lake	524,091	491,423	(32,668)	-6%
Willmar	303,833	268,624	(35,209)	-12%
Winona	527,187	473,692	(53,495)	-10%
Woodbury	421,698	382,675	(39,023)	-9%
Worthington	209,214	187,494	(21,720)	-10%
TOTAL	\$59,097,819	\$52,000,000	(\$7,097,819)	

1986 Municipal State Aid Needs Report

Theoretical 1987 M.S.A.S. Population Apportionment

The theoretical population apportionment is based on estimated projected revenues. The estimated distribution amount is projected to be less than the 1986 apportionment due to the decrease in interest and loss of the excise tax. The population figures used in this report are current as of December 31, 1985. The final population data will be certified December 31, 1986 by the State Demographer and the actual apportionment sum available to urban municipalities in 1987 will be provided by the Office of Finance and Accounting in January of 1987.

Based on 107 cities over 5,000 population, each person presently earns approximately 11.84 in apportionment. This figure will be somewhat revised when the actual revenue for the 1987 apportionment becomes available, or if additional cities should exceed 5,000 population prior to January 1, 1987.

1987 MUNICIPAL STATE AID NEEDS REPORT

Tentative 1987 Population Apportionment

Pursuant to Minnesota Statutes Chapter 162.13, Subdivision 1 (2) which reads as follows: "An amount equal to 50 percent of such apportionment sum shall be apportioned among the cities having a population of 5,000 or more so that each such city shall receive of such amount the percentage that its population bears to the total population of all such cities."

<u>Municipalities</u>	<u>Population</u>	<u>Population Factor</u>	<u>Population Apportionment</u>
Albert Lea	19,445	.007798	\$ 202,748
Alexandria	7,608	.003051	79,326
Andover	9,387	.003764	97,864
Anoka	15,634	.006269	162,994
Apple Valley	27,172	.010896	283,296
Arden Hills	8,012	.003213	83,538
Austin	23,079	.009255	240,630
Bemidji	10,945	.004389	114,114
Blaine	28,558	.011452	297,752
Bloomington	81,831	.032816	853,216
Brainerd	11,489	.004607	119,782
Brooklyn Center	31,230	.012524	325,624
Brooklyn Park	43,332	.017377	451,802
Burnsville	35,674	.014306	371,956
Champlin	9,006	.003612	93,912
Chanhassen	6,359	.002550	66,300
Chaska	8,346	.003347	87,022
Chisholm	5,930	.002378	61,828
Cloquet	11,142	.004468	116,168
Columbia Heights	20,029	.008032	208,832
Coon Rapids	35,826	.014367	373,542
Cottage Grove	18,994	.007617	198,042
Crookston	8,628	.003460	89,960
Crystal	25,543	.010243	266,318
Detroit Lakes	7,106	.002850	74,100
Duluth	92,811	.037219	967,694
Eagan	30,479	.012223	317,798
East Bethel	6,626	.002657	69,082
East Grand Forks	8,537	.003423	88,998
Eden Prairie	24,052	.009645	250,770
Edina	46,073	.018476	480,376
Elk River	6,785	.002721	70,746
Eveleth	5,042	.002022	52,572

<u>Municipalities</u>	<u>Population</u>	<u>Population Factor</u>	<u>Population Apportionment</u>
Fairmont	11,506	.004614	\$ 119,964
Falcon Heights	5,291	.002122	55,172
Faribault	16,241	.006513	169,338
Fergus Falls	12,579	.005044	131,144
Fridley	30,228	.012122	315,172
Golden Valley	22,775	.009133	237,458
Grand Rapids	7,934	.003182	82,732
Ham Lake	7,832	.003141	81,666
Hastings	12,892	.005170	134,420
Hermantown	6,759	.002710	70,460
Hibbing	21,193	.008499	220,974
Hopkins	15,336	.006150	159,900
Hutchinson	9,335	.003743	97,318
International Falls	5,671	.002274	59,124
Inver Grove Heights	17,171	.006886	179,036
Lake Elmo	5,296	.002124	55,224
Lakeville	14,790	.005931	154,206
Lino Lakes	5,587	.002240	58,240
Litchfield	5,904	.002368	61,568
Little Canada	7,102	.002848	74,048
Little Falls	7,250	.002907	75,582
Mankato	29,782	.011943	310,518
Maple Grove	28,681	.011502	299,052
Maplewood	26,990	.010823	281,398
Marshall	11,165	.004477	116,402
Mendota Heights	7,288	.002923	75,998
Minneapolis	370,951	.148757	3,867,682
Minnetonka	38,683	.015512	403,312
Montevideo	5,882	.002359	61,334
Moorhead	29,998	.012030	312,780
Morris	5,385	.002159	56,134
Mound	9,280	.003721	96,746
Mounds View	12,593	.005050	131,300
New Brighton	23,269	.009331	242,606
New Hope	23,087	.009258	240,708
New Ulm	13,755	.005516	143,416
Northfield	12,562	.005038	130,988
North Mankato	9,145	.003667	95,342
North St. Paul	11,921	.004781	124,306

<u>Municipalities</u>	<u>Population</u>	<u>Population Factor</u>	<u>Population Apportionment</u>
Oakdale	12,123	.004862	\$ 126,412
Orono	6,845	.002745	71,370
Owatonna	18,632	.007472	194,272
Plymouth	31,615	.012678	329,628
Prior Lake	7,284	.002921	75,946
Ramsey	10,093	.004047	105,222
Red Wing	13,736	.005508	143,208
Redwood Falls	5,210	.002089	54,314
Richfield	37,851	.015179	394,654
Robbinsdale	14,422	.005783	150,358
Rochester	57,967	.023246	604,396
Rosemount	5,083	.002038	52,988
Roseville	35,820	.014364	373,464
St. Anthony	7,981	.003201	83,226
St. Cloud	42,568	.017070	443,820
St. Louis Park	42,931	.017216	447,616
St. Paul	270,230	.108367	2,817,542
St. Peter	9,056	.003632	94,432
Sauk Rapids	5,843	.002343	60,918
Savage	5,237	.002100	54,600
Shakopee	9,941	.003986	103,636
Shoreview	17,300	.006938	180,388
South St. Paul	21,235	.008516	221,416
Spring Lake Park	6,477	.002597	67,522
Stillwater	12,328	.004944	128,544
Thief River Falls	9,105	.003651	94,926
Vadnais Heights	5,111	.002050	53,300
Virginia	11,056	.004434	115,284
Waseca	8,219	.003296	85,696
West St. Paul	18,527	.007430	193,180
White Bear Lake	22,538	.009038	234,988
Willmar	15,895	.006374	165,724
Winona	25,069	.010053	261,378
Woodbury	10,297	.004129	107,354
Worthington	10,243	.004108	106,808
TOTAL	2,493,667	1.000000	\$26,000,000

1986 MUNICIPAL STATE AID NEEDS REPORT

Theoretical 1987 M.S.A.S. Total Apportionment

Based on the actual 1986 apportionment amount, the following tabulation shows each municipality's tentative money needs and population apportionment amounts for 1987. The tentative percentages shown in this summary are for informational purposes only.

The actual revenue will be announced in January, 1987, when the Commissioner of Transportation determines the annual Municipal State Aid allotment.

1986 MUNICIPAL STATE AID NEEDS REPORT

Theoretical 1987 M.S.A.S. Total Apportionment

Municipalities	Population Apportionment	Theoretical Money Needs Apportionment	Total Apportionment	Distribution Percentage
Albert Lea	\$202,748	\$149,046	\$351,794	0.6765%
Alexandria	79,326	92,027	171,353	0.3295%
Andover	97,864	203,261	301,125	0.5791%
Anoka	162,994	111,518	274,512	0.5279%
Apple Valley	283,296	204,676	487,972	0.9384%
Arden Hills	83,538	57,690	141,228	0.2716%
Austin	240,630	221,932	462,562	0.8895%
Bemidji	114,114	106,223	220,337	0.4237%
Blaine	297,752	188,886	486,638	0.9358%
Bloomington	853,216	699,885	1,553,101	2.9867%
Brainerd	119,782	162,309	282,091	0.5425%
Brooklyn Center	325,624	228,641	554,265	1.0659%
Brooklyn Park	451,802	267,837	719,639	1.3839%
Burnsville	371,956	386,152	758,108	1.4579%
Champlin	93,912	79,218	173,130	0.3329%
Chanhassen	66,300	126,586	192,886	0.3709%
Chaska	87,022	104,592	191,614	0.3685%
Chisholm	61,828	63,445	125,273	0.2409%
Cloquet	116,168	309,745	425,913	0.8191%
Columbia Heights	208,832	54,536	263,368	0.5065%
Coon Rapids	373,542	181,786	555,328	1.0679%
Cottage Grove	198,042	200,714	398,756	0.7668%
Crookston	89,960	142,052	232,012	0.4462%
Crystal	266,318	283,560	549,878	1.0575%
Detroit Lakes	74,100	84,022	158,122	0.3041%
Duluth	967,694	1,209,029	2,176,723	4.1860%
Eagan	317,798	301,796	619,594	1.1915%
East Bethel	69,082	130,305	199,387	0.3834%
East Grand Forks	88,998	109,465	198,463	0.3817%
Eden Prairie	250,770	408,479	659,249	1.2678%
Edina	480,376	294,048	774,424	1.4893%
Elk River	70,746	241,354	312,100	0.6002%
Eveleth	52,572	45,934	98,506	0.1894%

Municipalities	Population Apportionment	Theoretical Money Needs Apportionment	Total Apportionment	Distribution Percentage
Fairmont	119,964	120,766	240,730	0.4629%
Falcon Heights	55,172	17,022	72,194	0.1388%
Faribault	169,338	182,395	351,733	0.6764%
Fergus Falls	131,144	93,384	224,528	0.4318%
Fridley	315,172	126,759	441,931	0.8499%
Golden Valley	237,458	280,316	517,774	0.9957%
Grand Rapids	82,732	90,900	173,632	0.3339%
Ham Lake	81,666	100,755	182,421	0.3508%
Hastings	134,420	102,654	237,074	0.4559%
Hermantown	70,460	166,984	237,444	0.4566%
Hibbing	220,974	630,920	851,894	1.6383%
Hopkins	159,900	51,674	211,574	0.4069%
Hutchinson	97,318	106,670	203,988	0.3923%
International Falls	59,124	82,258	141,382	0.2719%
Inver Grove Heights	179,036	198,686	377,722	0.7264%
Lake Elmo	55,224	91,627	146,851	0.2824%
Lakeville	154,206	245,154	399,360	0.7680%
Lino Lakes	58,240	164,722	222,962	0.4288%
Litchfield	61,568	97,062	158,630	0.3051%
Little Canada	74,048	48,676	122,724	0.2360%
Little Falls	75,582	96,997	172,579	0.3319%
Mankato	310,518	163,937	474,455	0.9124%
Maple Grove	299,052	571,527	870,579	1.6742%
Maplewood	281,398	280,752	562,150	1.0811%
Marshall	116,402	97,824	214,226	0.4120%
Mendota Heights	75,998	112,375	188,373	0.3623%
Minneapolis	3,867,682	3,963,697	7,831,379	15.0603%
Minnetonka	403,312	327,681	730,993	1.4058%
Montevideo	61,334	82,058	143,392	0.2758%
Moorhead	312,780	348,304	661,084	1.2713%
Morris	56,134	82,525	138,659	0.2667%
Mound	96,746	73,979	170,725	0.3283%
Mounds View	131,300	53,515	184,815	0.3554%
New Brighton	242,606	75,443	318,049	0.6116%
New Hope	240,708	57,347	298,055	0.5732%
New Ulm	143,416	120,589	264,005	0.5077%
Northfield	130,988	146,466	277,454	0.5336%
North Mankato	95,342	78,963	174,305	0.3352%
North St. Paul	124,306	78,055	202,361	0.3892%

Municipalities	Population Apportionment	Theoretical Money Needs Apportionment	Total Apportionment	Distribution Percentage
Oakdale	126,412	145,871	272,283	0.5238
Orono	71,370	103,573	174,943	0.3364
Owatonna	194,272	212,024	406,296	0.7813
Plymouth	329,628	354,733	684,361	1.3161
Prior Lake	75,946	134,373	210,319	0.4045
Ramsey	105,222	230,194	335,416	0.6450
Red Wing	143,208	302,393	445,601	0.8569
Redwood Falls	54,314	57,112	111,426	0.2143
Richfield	394,654	115,788	510,442	0.9816
Robbinsdale	150,358	31,388	181,746	0.3495
Rochester	604,396	533,282	1,137,678	2.1878
Rosemount	52,988	174,342	227,330	0.4372
Roseville	373,464	173,593	547,057	1.0520
St. Anthony	83,226	33,484	116,710	0.2244
St. Cloud	443,820	524,573	968,393	1.8623
St. Louis Park	447,616	272,345	719,961	1.3845
St. Paul	2,817,542	3,184,613	6,002,155	11.5426
St. Peter	94,432	47,523	141,955	0.2730
Sauk Rapids	60,918	95,774	156,692	0.3013
Savage	54,600	144,508	199,108	0.3829
Shakopee	103,636	234,445	338,081	0.6502
Shoreview	180,388	74,559	254,947	0.4903
South St. Paul	221,416	116,154	337,570	0.6492
Spring Lake Park	67,522	43,482	111,004	0.2135
Stillwater	128,544	119,676	248,220	0.4773
Thief River Falls	94,926	91,824	186,750	0.3591
Vadnais Heights	53,300	39,057	92,357	0.1776
Virginia	115,284	92,646	207,930	0.3999
Waseca	85,696	45,652	131,348	0.2526
West St. Paul	193,180	81,196	274,376	0.5276
White Bear Lake	234,988	256,435	491,423	0.9450
Willmar	165,724	102,900	268,624	0.5166
Winona	261,378	212,314	473,692	0.9109
Woodbury	107,354	275,321	382,675	0.7359
Worthington	106,808	80,686	187,494	0.3606
TOTAL	\$26,000,000	\$26,000,000	\$52,000,000	100.0000

1986 MUNICIPAL STATE AID NEEDS REPORT

Comparison of Total 1986 to the Tentative 1987 Apportionment

Comparing the actual 1986 to the tentative 1987 total apportionment, we find that 16 municipalities increase, and 91 decrease.

8 cities had increases which exceeded ten percent.

71 cities had decreased exceeding ten percent.

This tentative apportionment is only for comparison purposes.

The actual allotment will be determined by the Commissioner in January of 1987.

1986 MUNICIPAL STATE AID NEEDS REPORT

Comparison of the 1986 to 1987 Money Needs Apportionment

Comparing the actual 1986 to the tentative 1987 total apportionment we find that 16 municipalities increase and 91 decrease.

8 cities had increases which exceeded ten percent.

71 cities had decreased exceeding ten percent.

This tentative apportionment is only for comparison purposes.

The actual allotment will be determined by the Commissioner in January of 1987.

Municipality	1986 Money Needs Apportionment	Tentative 1987 Money Needs Apportionment	Increase (Decrease)	
			Amount	%
Albert Lea	\$169,956	\$149,046	(\$20,910)	-12%
Alexandria	103,243	92,027	(11,216)	-11%
Andover	198,510	203,261	4,751	2%
Anoka	128,139	111,518	(16,621)	-13%
Apple Valley	273,833	204,676	(69,157)	-25%
Arden Hills	61,022	57,690	(3,332)	-5%
Austin	227,305	221,932	(5,373)	-2%
Bemidji	187,345	106,223	(81,122)	-43%
Blaine	230,700	188,886	(41,814)	-18%
Bloomington	768,745	699,885	(68,860)	-9%
Brainerd	183,632	162,309	(21,323)	-12%
Brooklyn Center	281,239	228,641	(52,598)	-19%
Brooklyn Park	314,541	267,837	(46,704)	-15%
Burnsville	507,576	386,152	(121,424)	-24%
Champlin	104,434	79,218	(25,216)	-24%
Chanhassen	149,936	126,586	(23,350)	-16%
Chaska	120,267	104,592	(15,675)	-13%
Chisholm	76,702	63,445	(13,257)	-17%
Cloquet	331,319	309,745	(21,574)	-7%
Columbia Heights	79,174	54,536	(24,638)	-31%
Coon Rapids	218,375	181,786	(36,589)	-17%
Cottage Grove	252,778	200,714	(52,064)	-21%
Crookston	166,648	142,052	(24,596)	-15%
Crystal	262,678	283,560	20,882	8%
Detroit Lakes	64,594	84,022	19,428	30%
Duluth	1,289,821	1,209,029	(80,792)	-6%
Eagan	370,002	301,796	(68,206)	-18%
East Bethel	151,442	130,305	(21,137)	-14%
East Grand Forks	120,205	109,465	(10,740)	-9%
Eden Prairie	504,719	408,479	(96,240)	-19%
Edina	397,710	294,048	(103,662)	-26%
Elk River	284,187	241,354	(42,833)	-15%
Eveleth	56,920	45,934	(10,986)	-19%

Municipality	1986 Money Needs Apportionment	Tentative 1987 Money Needs Apportionment	Increase (Decrease) Amount %
Fairmont	136,603	120,766	(15,837) -12%
Falcon Heights	19,508	17,022	(2,486) -13%
Faribault	206,805	182,395	(24,410) -12%
Fergus Falls	114,565	93,384	(21,181) -18%
Fridley	171,631	126,759	(44,872) -26%
Golden Valley	342,194	280,316	(61,878) -18%
Grand Rapids	107,328	90,900	(16,428) -15%
Ham Lake	125,165	100,755	(24,410) -20%
Hastings	127,677	102,654	(25,023) -20%
Hermantown	196,292	166,984	(29,308) -15%
Hibbing	620,491	630,920	10,429 2%
Hopkins	16,841	51,674	34,833 207%
Hutchinson	110,848	106,670	(4,178) -4%
International Falls	102,446	82,258	(20,188) -20%
Inver Grove Heights	242,752	198,686	(44,066) -18%
Lake Elmo	106,888	91,627	(15,261) -14%
Lakeville	298,174	245,154	(53,020) -18%
Lino Lakes	214,758	164,722	(50,036) -23%
Litchfield	82,168	97,062	14,894 18%
Little Canada	70,414	48,676	(21,738) -31%
Little Falls	121,649	96,997	(24,652) -20%
Mankato	214,628	163,937	(50,691) -24%
Maple Grove	566,730	571,527	4,797 1%
Maplewood	368,501	280,752	(87,749) -24%
Marshall	120,297	97,824	(22,473) -19%
Mendota Heights	114,080	112,375	(1,705) -1%
Minneapolis	4,607,908	3,963,697	(644,211) -14%
Minnetonka	522,583	327,681	(194,902) -37%
Montevideo	94,090	82,058	(12,032) -13%
Moorhead	389,647	348,304	(41,343) -11%
Morris	80,455	82,525	2,070 3%
Mound	74,435	73,979	(456) -1%
Mounds View	54,295	53,515	(780) -1%
New Brighton	88,047	75,443	(12,604) -14%
New Hope	64,573	57,347	(7,226) -11%
New Ulm	148,076	120,589	(27,487) -19%
Northfield	166,318	146,466	(19,852) -12%
North Mankato	84,549	78,963	(5,586) -7%
North St. Paul	103,711	78,055	(25,656) -25%
Oakdale	102,951	145,871	42,920 42%
Orono	105,701	103,573	(2,128) -2%
Owatonna	252,244	212,024	(40,220) -16%

Municipality	1986 Money Needs Apportionment	Tentative 1987 Money Needs Apportionment	Increase (Decrease) Amount %
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Plymouth	380,368	354,733	(25,635) -7%
Prior Lake	153,364	134,373	(18,991) -12%
Ramsey	265,873	230,194	(35,679) -13%
Red Wing	312,243	302,393	(9,850) -3%
Redwood Falls	74,244	57,112	(17,132) -23%
Richfield	151,170	115,788	(35,382) -23%
Robbinsdale	43,085	31,388	(11,697) -27%
Rochester	368,387	533,282	164,895 45%
Rosemount	208,342	174,342	(34,000) -16%
Roseville	204,917	173,593	(31,324) -15%
St. Anthony	32,711	33,484	773 2%
St. Cloud	566,646	524,573	(42,073) -7%
St. Louis Park	364,948	272,345	(92,603) -25%
St. Paul	3,746,571	3,184,613	(561,958) -15%
St. Peter	44,664	47,523	2,859 6%
Sauk Rapids	98,554	95,774	(2,780) -3%
Savage	163,308	144,508	(18,800) -12%
Shakopee	125,269	234,445	109,176 87%
Shoreview	97,776	74,559	(23,217) -24%
South St. Paul	107,091	116,154	9,063 8%
Spring Lake Park	38,711	43,482	4,771 12%
Stillwater	154,481	119,676	(34,805) -23%
Thief River Falls	117,511	91,824	(25,687) -22%
Vadnais Heights	45,350	39,057	(6,293) -14%
Virginia	119,071	92,646	(26,425) -22%
Waseca	61,019	45,652	(15,367) -25%
West St. Paul	16,362	81,196	64,834 396%
White Bear Lake	257,025	256,435	(590) 0%
Willmar	115,484	102,900	(12,584) -11%
Winona	230,130	212,314	(17,816) -8%
Woodbury	299,683	275,321	(24,362) -8%
Worthington	87,839	80,686	(7,153) -8%
TOTAL	\$29,548,910	\$26,000,000	(\$3,548,910)

MINUTES OF THE UNENCUMBERED CONSTRUCTION FUND
SUBCOMMITTEE MEETING
THURSDAY, AUGUST 28, 1986
SOUTH ST. PAUL CITY HALL
SOUTH ST. PAUL, MINNESOTA

Subcommittee Members:

Chairman - Robert G. Simon, South St. Paul
Herb D. Reimer, Moorhead
Henry R. Spurrier, Brooklyn Center

Others in Attendance:

Roy L. Hansen, Assistant State Aid Engineer
Kenneth G. Straus, Municipal State Aid Street Needs Unit

Minutes:

The meeting was called to order at 9:00 a.m. by Chairman Robert Simon.

Sixteen communities were reviewed by the Subcommittee. Their funds situation, a brief outline of project status and the Subcommittee recommendation to the Screening Committee is provided for each city.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
1. Blaine	\$1,751,189	\$543,090	2.22

Background: The City of Blaine indicated that they had 3 projects proposed for 1986 any one of which would be sufficient to reduce the Unencumbered Construction Fund below the maximum amount.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
2. Chanhassen	\$ 807,391	\$215,208	2.75

Background: The City of Chanhassen has reduced the Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
3. Fridley	\$1,565,122	\$397,365	2.94

Background: The City supplied documentation that the Unencumbered Construction Fund had been reduced below the allowable balance.

Recommendation: None, because the Subcommittee essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
4. Golden Valley	\$1,781,513	\$579,173	2.08

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City is essentially meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
5. Hopkins	\$ 857,404	\$185,081	3.63

Background: The Subcommittee reviewed the explanation supplied by the City of Hopkins. The City had currently expended \$35,575.86 advancing the status of the project and expected to receive bids and construct the project in 1987. The Subcommittee felt that the City of Hopkins had made a good faith effort in reducing the unencumbered amount. The Committee recognized that the City of Hopkins would need all of the unencumbered amount and more in order to complete a bridge replacement.

Recommendation: None, because the Subcommittee felt that the City had justified an unencumbered amount in excess of the allowable balance.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
6. New Brighton	\$1,267,977	\$272,831	3.65

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
7. New Ulm	\$ 980,278	\$292,047	2.29

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
8. Stillwater	\$1,077,097	\$283,643	2.80

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
9. West St. Paul	\$1,070,118	\$218,469	3.90

Background: The City submitted an explanation of the excess amount, indicating that the City was currently reviewing its reconstruction and rehabilitation program. The report did not specify when the City would reduce its unencumbered amount below the allowable amount. The Subcommittee felt that an adjustment of the construction needs should not be met if the City could make significant progress in moving to the construction stage on any project which would reduce the unencumbered amount.

Recommendation: If the City of West St. Paul can make significant progress in moving to the construction stage on any project which would use M.S.A. funds in 1986 the Subcommittee would recommend that the Screening Committee does not move to have the construction needs adjusted. If there is no significant progress prior to January 1, 1987 then it is further recommended that in 1986 the needs be adjusted for the City by reducing them by a factor of 2 times the balance in the construction fund that existed as of June 30, 1986.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
10. Lino Lakes	\$ 811,011	\$267,027	2.04

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
11. Little Falls	\$ 489,487	\$155,668	2.14

Background: The City submitted an explanation of the excess amount indicating that it thought use of fund for maintenance reduced the unencumbered amount. The Subcommittee did not feel the explanation showed significant process in reducing the unencumbered amount.

Recommendation: The Subcommittee recommends that in 1987, the needs be adjusted for the City of Little Falls by reducing them by a factor of 2 times the balance in the Construction fund that existed as of June 30, 1986.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
12. Mendota Heights	\$ 575,122	\$187,015	2.08

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
13. Morris	\$ 435,490	\$135,115	2.00

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
14. St. Anthony	\$ 490,785	\$119,468	2.48

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
15. Sauk Rapids	\$ 485,708	\$157,216	2.09

Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

	Amount Available as of 6/30/86	1986 Construction Allotment	Ratio
16. Shakopee	\$ 722,999	\$227,571	2.18

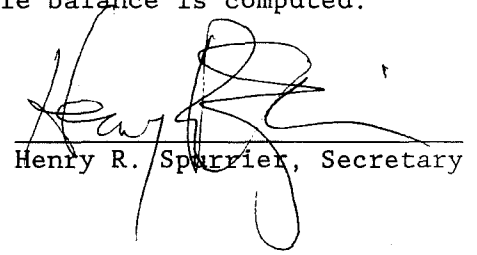
Background: The State Aid Office supplied information that the City has brought its Unencumbered Construction Fund below the allowable balance.

Recommendation: None, because the Subcommittee felt that the City essentially is meeting the established State Aid criteria at this time.

The Subcommittee noted that the minimum allowable balance was last adjusted in 1981. It was the consensus of the Unencumbered Construction Fund Subcommittee that the Municipal State Aid Screening Committee should review that amount as well as the method by which the amount is established. The Subcommittee considered several alternatives including those which would fix the minimum amount based on the unit prices or based on the cost of an average project.

Recommendation: It was the recommendation of the Unencumbered Construction Fund Subcommittee that the Municipal State Aid Screening Committee review the amount and the method by which the minimum allowable balance is computed.

Submitted by:


Henry R. Spurrer, Secretary

CITIES THAT EXCEED THE UNENCUMBERED

CONSTRUCTION FUND LIMITATION

<u>City</u>	<u>June 30 Balance</u>	-	<u>1986 Const. Allotment</u>	=	<u>Unencumbered Amount</u>	-	<u>Allowable Balance</u>	=	<u>Excess Amount</u>
Blaine	1,751,189		543,090		1,208,099		1,086,180 (2X)		121,919
Chanhasen	807,391		215,208		592,183		430,416 (2X)		161,767
Fridley	1,565,122		397,365		1,167,757		794,730 (2X)		373,027
Golden Valley	1,781,513		579,173		1,202,340		1,158,346 (2X)		43,994
Hopkins	857,404		185,081		672,323		370,162 (2X)		302,161
Lino Lakes	811,011		267,027		543,984		534,054 (2X)		9,930
Little Falls	489,487		155,668		333,819		311,336 (2X)		22,483
Mendota Heights	575,122		187,015		388,107		347,030 (2X)		41,077
Morris	435,490		135,115		300,375		300,000 *		375
New Brighton	1,267,977		272,831		995,146		545,662 (2X)		449,484
New Ulm	980,278		292,047		668,231		584,094 (2X)		104,137
St. Anthony	490,785		119,468		371,317		300,000 *		71,317
Sauk Rapids	485,708		157,216		328,492		314,432 (2X)		14,060
Shakopee	722,999		227,571		495,428		455,142 (2X)		40,286
Stillwater	1,077,097		283,643		793,454		567,286 (2X)		226,168
West St. Paul	1,070,118		218,469		851,649		436,938 (2X)		414,711

* Allowable is \$300,000

1986 MUNICIPAL STATE AID NEEDS REPORT

Research Account Motion

THAT: Be it resolved that an amount of \$147,745 (not to exceed 1/4 of 1% of the 1986 M.S.A.S. Apportionment sum of \$59,097,819 shall be set aside from the 1987 Apportionment fund and be credited to the research account.

MOTION BY:

SECONDED BY:

Past History

Year	Research Account			Administrative Account		
	Allotment	Balance	Spent	Allotment	Balance	Spent
1958	\$ 0	\$ 0	\$ 0	\$113,220	\$ 48,310	\$ 64,910
1959	0	0	0	125,999	55,370	70,629
1960	20,271	10,911	9,360	129,466	58,933	70,533
1961	20,926	18,468	2,458	140,825	75,036	65,789
1962	22,965	21,661	1,304	137,980	70,875	67,105
1963	22,594	18,535	4,059	144,585	75,094	69,491
1964	23,627	24,513	0	168,526	102,385	66,141
1965	27,418	15,763	11,655	173,875	96,136	77,739
1966	28,426	17,782	10,644	178,253	85,079	93,174
1967	29,155	31,944	0	190,524	122,185	68,339
1968	31,057	28,433	2,624	219,458	117,878	101,580
1969	35,719	34,241	1,478	231,452	134,416	97,036
1970	37,803	35,652	2,151	252,736	147,968	104,768
1971	41,225	37,914	3,311	279,357	165,927	113,430
1972	45,227	44,468	759	280,143	167,410	112,733
1973	45,846	36,861	8,985	284,923	160,533	124,390
1974	46,622	19,268	27,354	333,944	130,460	203,484
1975	54,321	35,755	18,566	349,512	158,851	190,661
1976	57,103	33,901	23,202	347,940	264,874	83,066
1977	56,983	33,674	23,309	424,767	160,365	264,402
1978	68,990	70,787	0	426,786	139,580	287,206
1979	69,665	0	69,665	473,075	257,782	215,293
1980	77,116	36,352	40,764	521,544	171,544	350,000
1981	85,031	33,940	51,091	544,123	222,062	322,061
1982	88,920	47,990	40,930	646,373	251,781	394,592
1983	105,082	37,656	67,426	710,025	297,847	412,773
1984	115,766	57,879	57,887	745,773	322,730	423,043
1985	121,838	80,704	41,134	874,173	421,719	452,454
1986	\$142,188			\$903,824		

1986 MUNICIPAL STATE AID NEEDS REPORT

Variances

The Municipal Screening Board passed a resolution that requires a needs adjustment for those cities that received a variance approval to construct a street to a lesser width than was requested in the needs study.

The resolution states that:

"The adjustment for width variance will be based on the needs cost of the base and surface, times the proportional difference between the minimum standards and the granted variance, times fifteen. This would be a one year adjustment to the 25-year needs."

The variances that do not effect the needs are as follows:

- | | |
|------------------|--|
| Austin | - M.S.A.S. 121 (4th Street Northeast) from Main Street to 15th Avenue Northeast to permit utility poles within the required obstacle free zone on a reconstruction project. No adjustment necessary. |
| Columbia Heights | - M.S.A.S. 119 (Johnson Street) from 37th Avenue to 40th Avenue to permit a design speed of 25 M.P.H. No adjustment necessary. |
| Mendota Heights | - M.S.A.S. 103 - request from eligibility requirements for the use of State Aid monies to finance a construction project after it was let. No adjustment necessary. |
| Mendota Heights | - M.S.A.S. 108 (Chippewa Avenue) from Dodd Road to Annapolis Street to permit a design speed of 17 and 23 M.P.H. No adjustment necessary. |
| Minneapolis | - M.S.A.S. 332 (Cedar Avenue) from 15th Avenue South to T.H. 12 (Washington Avenue) to permit a design speed of 26.5 M.P.H. No adjustment necessary. |
| Minneapolis | - M.S.A.S. 370 (Vineland Place) from Kenwood Parkway to Lyndale Avenue South to permit a design speed of 25 M.P.H. instead of 30 M.P.H. No adjustment necessary. |
| Roseville | - M.S.A.S. 241 (Cleveland Avenue) from County Road B-2 to Oakcrest Avenue to permit a turning lane. No adjustment necessary. |
| St. Cloud | - M.S.A.S. 128 (East Street Germain Street) from Wilson Avenue to T.H. 10 to permit parking on both sides. No adjustment necessary. |
| St. Paul | - Eight Street (T.H. 5) from Minnesota Street to Johnson Street to permit a divided street of 64 feet including a 10 foot median with parking on one side. No adjustment necessary. |

- Savage - M.S.A.S. 106 (Natchez Avenue) from County Road 42 (142nd Street) to Ottawa Avenue to permit a design speed of 25 M.P.H. instead of 30 M.P.H. No adjustment necessary.
- Shoreview - C.S.A.H. 51 (Lexington Avenue) from County Road D to County Road E for a sidewalk construction project on a C.S.A.H. that is deficient in width and which has no sidewalk in place. No adjustment necessary.
- West St. Paul - M.S.A.S. 120 (Emerson Avenue) between Bidwell Street and Imperial Drive to permit a design speed of 25 M.P.H. No adjustment necessary.

The segments that have been granted variances for street width and will be adjusted as follows:

- Minneapolis - T.H. 77 (Cedar Avenue) between Lake Nokomis Parkway and C.S.A.H. 62 to permit improvement of the transition between a two-lane and one-lane roadway for northbound traffic on Cedar Avenue. No adjustment necessary.
- New Hope - M.S.A.S. 101 (Boone Avenue) from 27th Avenue North to 62nd Avenue North to permit a street width of 44 feet with parking instead of the required 48 feet with parking and design speed of 25 M.P.H. instead of the required 30 M.P.H. No adjustment necessary. Needs drawn on 44 feet.
- St. Paul - M.S.A.S. 231 (Snelling Avenue) from Edgumbe Road to West 7th Street to permit a design speed of 20 M.P.H. and a street width of 26 feet with no parking. Adjustment necessary.

Needs prior to construction for .43 miles and a width of 44 feet.

Base	70,986	
Surface	62,051	
	<u>133,037</u>	

$133,037 \div 44 = \$3023.57 \times 36 = \$108,848$ Needs on required width. $\$108,848 \times \frac{10}{36} \times 15 = \$453,535$ adjustment.

- St. Cloud - M.S.A.S. 128 (East St. Germain Street) from Riverside Drive Northeast to Riverside Drive Southeast to permit a street width of 52 feet (two lanes with parking on both sides instead of the required width of 52 feet, four lanes without parking). No adjustment necessary.
- Winona - M.S.A.S. 103 (5th Street) from High Street to Huff Street to permit a width of 44 feet with parking instead of 48 feet and no parking. Adjustment necessary.

Needs prior to construction for .71 miles and a width of 52 feet.

Base	274,625	
Surface	254,525	
	<u>529,150</u>	

$529,150 \times \frac{4}{48} \times \frac{.71}{1.31} \times 15 = \$330,913$ adjustment.

CURRENT RESOLUTIONS
OF THE
MUNICIPAL SCREENING BOARD

OCTOBER 1986

BE IT RESOLVED:

ADMINISTRATION

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.

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.

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.

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 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.

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.

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.

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. 1965 (Revised June 1986)

That when a Municipal State Aid Street is constructed to State Aid standards with State Aid funds, said construction shall be considered to be 100 percent accomplishment of total needs with the exception of additional surfacing. 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 are permitted in subsequent needs.

The money needs for all streets and bridges constructed with State Aid funds with the exception of additional surfacing, shall be removed from the Needs Study until such time as a reconstruction project is awarded. At that time, a money needs adjustment shall be made by annually adding the total amount of the street or bridge cost that is eligible for State

Aid reimbursement for a 15-year period (except for preliminary engineering). This cost to exclude any federal or State Aid grants and to be effective on all reconstruction projects awarded after January 1, 1983.

Each city will be responsible for reporting their qualified reconstruction projects with the annual needs update, beginning December 31, 1983.

That in order to be consistent with the previous resolution, the Office of State of State Aid is instructed to remove all needs except additional surface for streets that have been improved with the use of State Aid funds or are reported adequate.

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.

Construction Cut Off Date - 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.

COST

Construction Item Unit Prices - (Revised Annually)

Right of Way:			\$ 10,000.00 Mile
Grading:			\$ 3.00 Cu. Yd.
Base:	Class 4	Spec. #2211	\$ 5.00 Ton
	Class 5	Spec. #2212	\$ 5.25 Ton
	Bituminous	Spec. #2331	22.00 Ton
Surface:	Bituminous	Spec. #2331	\$ 22.00 Ton
	Bituminous	Spec. #2341	25.00 Ton
	Bituminous	Spec. #2361	35.50 Ton
Shoulders:			
	Gravel	Spec. #2221	\$ 4.25 Ton

Miscellaneous:

Storm Sewer Construction	0	Mile
Storm Sewer Adjustment	\$ 62,000.00	Mile
Traffic Signals	10,000.00	Mile
Street Lighting	2,000.00	Mile
Curb & Gutter	6.00	Lin. Ft.
Sidewalk	14.00	Sq. Yd.

Removal Items:

Curb & Gutter	\$ 1.50	Lin. Ft.
Sidewalk	4.00	Sq. Yd.
Concrete Pavement	3.75	Sq. Yd.
Tree Removal	90.00	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.	\$49.00 Sq. Ft.
Bridges 150 to 499 Ft.	\$51.00 Sq. Ft.
Bridges 500 & Over	\$55.00 Sq. Ft.
Bridge Widening	\$65.00 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	\$2,250 Lin. Ft.
Each Additional Track	\$1,750 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)	\$65,000 Unit
Signals and Gates(Multiple Track - high	\$95,000 Unit
Signs Only & low speed)	\$ 300 Unit

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.

Storm Sewer - June 1986

The money needs for all complete storm sewers shall be removed from the Needs Study until such time that adjustment shall be made by annually adding the amount of the Storm Sewer Construction project cost that is eligible for State Aid participation for a 15-year period. Adjust storm sewer will continue to be included as a needs item.

On all complete Storm Sewer Construction projects let in 1984 and subsequent years where State Aid Funds have participated in the cost, the complete Storm Sewer Needs will be determined by the Office of State Aid using the participating plan quantities, the participating percentage and the contract or force account prices.

In order to receive needs for qualifying Storm Sewer Construction projects funded with local funds let in 1984 and subsequent years, a plan and an Abstract of Bids or Construction Proceed Order must be submitted to the Office of State Aid by the City Engineers. The Hydraulics Section of the Office of Design Services will determine the eligible percentage of participating storm sewer and the Office of State Aid will determine the complete Storm Sewer Needs.

Adjustments to the complete Storm Sewer Needs will be acceptable but the responsibility of reporting final costs will rest with the City Engineer.

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.

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.

NEEDS ADJUSTMENTS

Expenditures Off State Aid System - Oct. 1961

That any authorized Municipal State Aid expenditure on County State Aid or State Trunk Highway projects shall be compensated for by annually deducting the full amount thereof from the Money Needs for a period of ten years.

Bond Adjustment - Oct. 1961 (Revised 1962)

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.

(Revised 1975)

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.

(Revised June 1979)

"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."

Construction Fund Balance - Oct. 1961 (Revised June 1986)

That for the determination of Apportionment Needs, the amount of the unencumbered construction fund balance as of September 1st of the current year, not including the current year construction apportionment, 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.

(Revised Oct. 1981)

By January 1, 1983, each municipality shall submit a revised 5-year construction program which has been approved by their city council. This program shall include sufficient projects to utilize all existing and anticipated funds accruing during the life of the program. The program will be updated at 3-year intervals and a review made at that time to ascertain program implementation.

(Revised Oct. 1981)

That, whenever a municipality exceeds \$300,000, or two times their annual construction allotment (whichever is greater) in the construction fund balance available as of June 30th of the current year, not including the current year's allotment, the Unencumbered Construction Fund Subcommittee will review and allow the city in question to explain the reason for the large balance. Each individual municipality will be evaluated by the Subcommittee and a recommendation shall be made to the Screening Board prior to making adjustment. The

sub-committee's recommendations will be based on the guidelines that should an adjustment be necessary, twice the city's unencumbered construction fund balance, less the current year's construction allotment, will be deducted from the city's 25-year needs prior to the succeeding year's apportionment. Unless the balance is reduced in future years, this deduction will be increased annually to 3, 4, 5, etc., times the amount until such time the money needs are reduced to zero. This adjustment would be in addition to the unencumbered construction fund deduction previously defined.

SOILS

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.

Trunk Highway Turnback - Oct. 1967

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 \$1,500 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 \$1,500 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.

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.

Variance Granted - Reduction of Money Needs - Oct. 1982 (Revised Oct. 1984)

That the State Aid Office give future money needs based on the date of variance approval.

The adjustment for width variances will be based on the needs cost of the base and surface, times the proportional difference between the minimum standards and the granted variance, times fifteen. This would be a one-year adjustment to the 25-year needs.

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

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 six years, or may elect to continue the present procedure of taking their own counts and preparing their own traffic maps at five year intervals.
3. Some deviations from the present five-year counting cycle shall be permitted during the interim period of conversion to counting by State forces in the outstate area.