

MN DEPT OF TRANSPORTATION



3 0314 00002 9529

1989

Municipal

State Aid

Street

Apportionment Data



MNDOT
HE
356
.M6
M45a
1989

January 1989



Minnesota Department of Transportation

Transportation Building, St. Paul, MN 55155

January, 1989

Phone 612-296-1662

TO : Municipal Engineers

SUBJECT : The 1989 Municipal State Aid Apportionment Book

Gentlemen:

Enclosed is a copy of the "1989 Municipal State Aid Street Apportionment Data" report for your use in better understanding the means of distributing the annual allocation to each municipality.

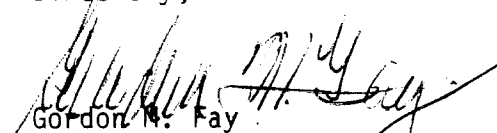
This report has been compiled by the Municipal State Aid Needs Unit, Office of State Aid, Technical Services Division, Department of Transportation, in conjunction with the Office of Finance.

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

Should you have any questions or suggestions concerning this publication please contact Ken Straus at the above number.

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

Sincerely,


Gordon R. Fay
Director, Office of State Aid

Enclosures:
1989 Municipal State Aid Street Apportionment Data

1989 MUNICIPAL STATE AID STREET APPORTIONMENT DATA

TABLE OF CONTENTS

1988 Municipal Screening Board.....	1
Subcommittees Appointed by the Screening Board.....	2
Map of Highway Districts and Urban Municipalities.....	3
Minutes of Screening Board Meeting - October 18-19, 1988.....	4-20
Estimated Funds Available for Distribution from the Highway User Tax Distribution Fund.....	21-24
Population Apportionment.....	25-27
Money Needs Apportionment.....	28-30
Total Apportionment.....	31-33
Construction and Maintenance Allotments.....	34-36
Comparison of 1988 to 1989 Apportionment.....	37-39
Thirty-two Years of Municipal Apportionment.....	40

REFERENCE MATERIAL

1988 Money Needs Recommendation.....	41-43
Determination of the 1989 Money Needs Apportionment.....	44-47
Variances.....	48-53
Storm Sewer Adjustments.....	54-55
Unencumbered Construction Fund Balance.....	56-58
Authorized Municipal State Aid Expenditures on County State Aid or Trunk Highway Projects.....	59-60
Unamortized Bond Account Balance.....	61-62
Non-Existent Bridge Construction.....	63
Needs Adjustment for Right-of-Way Acquisition.....	64-65
Needs Adjustment for Reconstruction Projects.....	66-67
Trunk Highway Turnbacks.....	68-69
Current Resolutions of the Municipal Screening Board.....	70-80
Listing of Municipal Engineers.....	81-88

**Property of
Minnesota
Dept. of Transportation**

Information Services

**Please return when
no longer in active use.**

PREFACE

THIS "1989 MUNICIPAL STATE AID STREET APPORTIONMENT DATA" BROCHURE IS PUBLISHED TO ASSIST IN BUDGETING AND TO PROMOTE A BETTER UNDERSTANDING AMONG THE LOCAL GOVERNMENTAL UNITS RELATING TO THE SOURCE OF REVENUE, MEANS OF DISTRIBUTION AND THE ANNUAL APPORTIONMENT AMOUNTS FOR EACH MUNICIPALITY OVER 5,000 POPULATION IN MINNESOTA.

COPIES ARE DISTRUBUTED TO THE CITY ENGINEER OF EACH QUALIFYING URBAN MUNICIPALITY, AND ALSO TO THE MUNICIPAL CLERK WHEN A CONSULTING ENGINEER IS RETAINED.

A LIMITED NUMBER OF ADDITIONAL COPIES ARE AVAILABLE ON REQUEST BY CONTACTING THE OFFICE OF STATE AID, THE MINNESOTA DEPARTMENT OF TRANSPORTATION, STATE TRANSPORTATION BUILDING, ST. PAUL, MINNESOTA 55155, OR CALL (612) 296-1662.

1988 MUNICIPAL SCREENING BOARD

OFFICERS

Chairman	Fred Moore	Plymouth	(612) 559-2800
Vice Chairman	Ronald Rudrud	Bloomington	(612) 881-5811
Secretary	Bruce Bullert	Northfield	(507) 645-8832

MEMBERS

District	Served	Representative		
1	3	Clyde Busby	Hibbing	(218) 262-3486
2	1	James Walker	Thief River Falls	(218) 751-3004
3	1	Terry Maurer	Elk River	(612) 774-6021
4	3	Dan Edwards	Fergus Falls	(218) 739-2251
5	2	William Ottensmann	Coon Rapids	(612) 755-2880
6	3	Richard Murphy	Austin	(507) 437-7671
7	2	Dwayne Haffield	Worthington	(507) 376-3161
8	1	Joseph Bettendorf	Litchfield	(612) 252-4740
9	2	Charles Siggerud	Burnsville	(612) 890-4100
(Three Cities		John Carlson	Duluth	(218) 723-3278
of the		Marvin Hoshaw	Minneapolis	(612) 348-2456
First Class)		Thomas Kuhfeld	St. Paul	(612) 292-6276

District	Alternates		
1	Nicholas Dragisich	Virginia	(218) 741-2388
2	David Kildahl	Crookston	(218) 281-6522
3	Roger Larson	Sauk Rapids	(612) 253-1000
4	Alvin Moen	Alexandria	(612) 762-8149
5	Michael Eastling	Richfield	(612) 869-7521
6	Thomas Drake	Red Wing	(612) 227-6220
7	Brian Bachmeier	Fairmont	(507) 238-9461
8	Dale Swanson	Willmar	(612) 235-4202
9	Ken Haider	Maplewood	(612) 770-4552

1988 SUBCOMMITTEES APPOINTED BY THE SCREENING BOARD

NEEDS STUDY SUBCOMMITTEE

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

Gerald Butcher
Maple Grove
(612) 420-4000
Expires in 1989

Ronald Schweninger
Brainerd
(218) 828-2309
Expires in 1990

UNENCUMBERED CONSTRUCTION FUNDS SUBCOMMITTEE

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

Larry Anderson
Prior Lake
(612) 447-4230
Expires in 1989

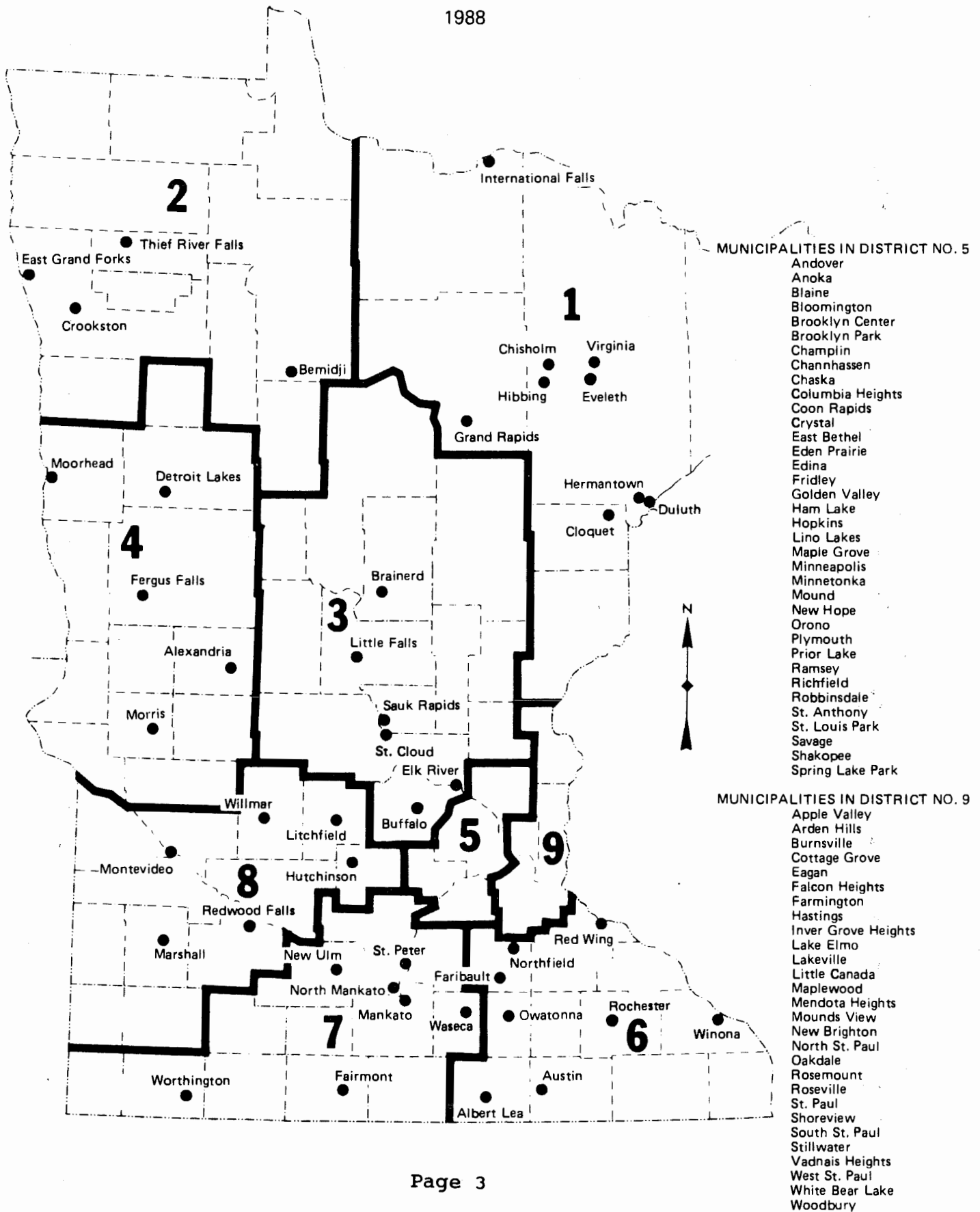
Kenneth Saffert
Mankato
(507) 625-3161
Expires in 1990

STATE OF MINNESOTA

HIGHWAY DISTRICTS AND URBAN MUNICIPALITIES

AS ESTABLISHED FOR STATE AID PURPOSES

1988



MINUTES
FALL
MUNICIPAL SCREENING COMMITTEE
OCTOBER 18-19, 1988

The fall meeting of the Screening Committee was called to order by Chairman Moore at 1:12 p.m., Tuesday, October 18, 1988. Roll call was taken by the Secretary.

Present were:

Officers and Screening Committee Members:

Chairman Fred Moore, Plymouth
Vice Chairman Ron Rudrud, Bloomington
Secretary Bruce R. Bullert, Northfield

District 1 - Clyde W. Busby	Hibbing
District 2 - James J. Walker	Thief River Falls
District 3 - Terry Maurer	Elk River
District 4 - Dan Edwards	Fergus Falls
District 5 - Bill Ottensmann	Coon Rapids
District 6 - Thomas Drake (Alternate)	Red Wing
District 7 - Dwayne Haffield	Worthington
District 8 - Joe Bettendorf	Litchfield
District 9 - Charles Siggerud	Burnsville
First Class City - John H. Carlson	Duluth
First Class City - Marvin Hoshaw	Minneapolis
First Class City - Joseph F. Koenig	St. Paul
Chairman Needs Study	
Subcommittee - Steve Gatlin	Roseville
Chairman Unencumbered Construction	
Funds Subcommittee - Bo Spurrier	Brooklyn Center

Others:

Jon Ketokoski	Minneapolis
David Kreager	Duluth
Greg Peterson	St. Paul
Alvin Moen (Dist. 4 Alt.)	Alexandria
Gordon M. Fay	Mn/DOT Director, Office of State Aid
Roy L. Hanson	Mn/DOT Assistant State Aid Engineer
Kenneth Straus	Mn/DOT Municipal State Aid Needs Unit
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
Larry Hoben	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 County State Aid Needs Unit

Chairman Moore made introductions of the Mn/DOT personnel, District State Aid Engineers, Subcommittee Chairmen, District Screening Committee Alternates and other persons in attendance at the meeting.

1. MINUTES CONSIDERATION:

Chairman Moore called for consideration of approval of the minutes of the June 21 and 22, 1988, Screening Committee meeting. The minutes are printed on pages 6 through 22 of the 1988 Municipal State Aid Needs Report dated October, 1988. Ottensmann moved, seconded by Hoshaw, to approve the minutes. Motion carried.

II. MEETING PROCEDURE:

Chairman Moore mentioned that all agenda items regarding the needs apportionment, adjustments and other business matters would be discussed today. Additional informal discussions will occur this evening beginning at 8:00 p.m. Action on all items will occur at tomorrow's meeting, which will be held in this room beginning at 9:00 a.m.

III. NEEDS REPORT:

Ken Straus presented a summary of the 1988 Municipal State Aid Needs Report dated October, 1988. He stated that the apportionment amount in this summary is projected to be \$71,000,000 which is a 21.6% increase over the previous year's apportionment amount. The reasons for the increase are the 25% increase in the motor vehicle excise tax, a 3 cent increase in the gas tax and 5% from the General Funds which went into effect July, 1988. These items are highlighted on Page 23 of the report.

A history of the M.S.A.S. mileage, needs and apportionment is provided on page 24. He noted that the City of Buffalo is being added at this time but their mileage has not been included in this report.

The maximum mileage record is detailed on pages 26 through 28. The 1987 mileage increased 50.56 miles from 1986 due to annexations and additional designations. The total mileage of 2,296.31 miles is approaching the maximum limit of 2,500 miles which has been previously approved for the municipal state aid street system.

The 1988 improved mileage record for the municipal state aid system is outlined on pages 29 and 30.

On pages 31 and 32, the 1988 itemized tabulations of needs is summarized. The summary sheet shows Rochester, Duluth and Elk River near the top of the sheet due to a computer error and these amounts should be included in their respective totals further down in the summary sheet. The average cost per mile is \$254,286 with the lowest amount being \$111,058 per mile for Robbinsdale. Seven cities exceeded \$350,000 per mile with Farmington being the highest at \$550,230 per mile. It should be noted that Farmington was recently added to the municipal state aid system and therefore is receiving total needs on all segments.

The 1988 money needs recommendations are listed on pages 34 and 35. The total needs is \$560,105,075 which will adjust slightly before the first of the year since Buffalo is estimated at this time. The final submittals have been delayed to some extent due to final agreements between the city and county on designations.

The 1988 needs study update for each municipality reflecting construction accomplishments, system revision, unit cost update and traffic update are shown on pages 36 through 40. A number of cities in district number 1 were not included in the traffic update; however, these adjustments are intended to be completed by January 1, 1989. Minneapolis and St. Paul were also not included in the traffic update. The unit price revisions are summarized on page 36. The net change of \$14,640,598 in needs reflects an increase of 2.7% from 1987 to 1988. Straus stated that this figure should increase even more next year with the reinstatement of needs after 20 years.

The adjusted 25 year construction needs for each municipality is summarized on pages 42 through 46. The table takes the basic needs and adjusts this amount in accordance with the different resolutions and associated actions by each city. The Screening Committee adjustments are for variances approved last year but the added requirement of hold harmless resolutions necessitated a delay in making these adjustments. The Hutchinson amount should be changed to Hopkins.

Straus next reviewed the storm sewer expenditures in 1987, pages 46 through 48, as well as the total storm sewer adjustment for each city as listed on pages 49 and 50. The storm sewer needs include both local and state aid expenditure projects. The total after the fact storm sewer needs is now \$22,732,031.00. The state aid office determines these amounts based upon report of state aid contract requests or on final payment if requested to do so.

The unencumbered construction fund balance was next reviewed. This amount is a negative adjustment based upon the balance as of September 1 less the current year allotment. The total adjustment for 1988 is \$43,859,241.00.

The off system expenditures was next reviewed by Mr. Straus as listed on pages 54 through 56. The 1987 projects are first listed with the entire summary following. These off system expenditures are a negative adjustment for a 10 year period. The total adjustment is \$25,652,404.00.

Straus reviewed the bond adjustment amounts as listed on pages 57 and 58. He reviewed the Cottage Grove accounts to show how the adjustment is determined. The adjustment can be either positive or negative depending upon the status of the bond in relation to expenditures applicable to that particular bond. Interest on the bonds is paid from the city's maintenance account, thereby requiring a letter from the city by December 15th requesting the interest amount be allocated to the maintenance account for the next year.

The non-existing bridge adjustments is summarized on page 59. The total adjustment is \$13,773,654 for 1988 which is a positive adjustment for the community. This adjustment is made for a period of 15 years. Straus also asked the Screening Committee to consider a time limit for bridges to be reinstated for full needs similar to actions taken at the summer meeting. Some bridges are now over 60 years old and do not receive needs. A time period of 30 to 35 years was suggested by Mr. Straus. Further, the counties have now changed bridge lengths from 20 feet to 10 feet which should also be discussed by the Screening Committee. Chairman Moore asked for any comments on these issues. Siggerud commented that 35 years would correspond to a bridge life expectancy of 70 years which seemed quite long. Straus also stated that some consideration regarding overlays would be necessary. The average life of county bridges has been approximately 58 years based upon recent figures.

Straus next summarized the right of way adjustments shown on pages 60 through 62. The total adjustment is \$25,047,359 which is a positive adjustment.

The needs adjustment for reconstruction projects is itemized on pages 63 and 64. The date of construction for the Duluth projects are in error with the first one being 1930 and the remainder being in the 1950's and 1960's. Carlson questioned when these adjustments will expire. Straus stated that the present construction projects will continue for the entire 15 year period; however, this program will expire on December 31, 1989 after which reconstruction projects will no longer be handled in this fashion. The total positive adjustment is \$5,945,977 at this time.

The tentative 1989 money needs apportionment is listed on pages 65 through 67. The money needs provide one half of the apportionment and each \$1,000 in adjusted money needs earns \$62.58 in apportionment, which is approximately a \$7.00 increase over last year.

Chairman Moore asked for any questions on the money needs or how they are determined. There were no questions and/or comments at this time.

Straus next reviewed the theoretical population apportionment on pages 69 through 72. The 1980 census is used with adjustments due to special census taken by a community or if areas are annexed or detached. Each person provides approximately \$14.03 in apportionment. Buffalo is the newest city added to the system.

The tentative total apportionment is provided on pages 73 through 76 with a comparison between 1988 and 1989 shown on pages 77 through 79. Each city has an increased apportionment in 1989 with some of the larger increases due to mileage designations such as Coon Rapids or other previous adjustments as in the case of West St. Paul, a large unencumbered construction fund balance. This item concluded Mr. Straus' initial presentation.

IV. UNENCUMBERED CONSTRUCTION FUND SUBCOMMITTEE

Chairman Moore introduced Mr. Bo Spurrier who is the chairman of this subcommittee. The minutes of the subcommittee are printed on pages 80 through 89 of the report.

Spurrier noted that the subcommittee does not make the rules but rather applies the criteria that we had advised the Screening Committee would be used. The main purpose was to ensure that communities were programming projects to use their apportionments and reduce their fund balances. To some extent, the subcommittee was more concerned with a long range plan than short term results. The recommendations of the subcommittee are based upon the criteria listed on page 80. He summarized the justification items listed under number 3 which are as follows:

3. Justification that will be considered:

- a. A 429 feasibility study held by City Council and project ordered.
- b. Project submitted to the District State Aid Engineer.
- c. Plan approval by the City Council and District State Aid Engineer.
- d. Project letting date established or contract has been let.
- e. State Aid construction funds have been encumbered.

These rules are really very lenient and therefore very few communities cannot comply with these rules. Out of all the communities listed, the subcommittee recommended an adjustment to only one city, Maplewood, because they did not have projects programmed to reduce their balance. Maplewood had not initiated any projects or studied any projects large enough to reduce their balance. Therefore, the subcommittee recommended an adjustment of two (2) times their unencumbered construction fund balance, page 81. The remaining communities could meet the requirements by completing paper work or other items. A deadline was given to these communities to accomplish this work. Straus stated that all of the cities did meet the deadline.

Spurrier stated that the subcommittee met at another time to discuss recommended language changes. The minutes detail the recommended language changes to be considered by the Screening Committee. He stated that in order for the state aid office to complete their report, a definite cut-off date is needed. Originally, the cut-off date was earlier in the year. The recommended change is September 1st. In other words, if you are to reduce your account balance, the funds must be encumbered by September 1 by a Report of State Aid Contract or Final Contract. The only other criteria discussed by the subcommittee which would be acceptable to avoid an adjustment involves a delay caused by another agency or governmental unit. He referred to a project initiated by Richfield which ran into problems outside their control.

Hoshaw asked when plans need to be submitted in order to meet the September 1 deadline. Hanson stated that it depended on how complete the plans are which affects review time as well as possible resubmittal requirements. Based on recent process time, approval of strictly MSA projects should not be a problem for the September 1 timeline. In the event other funding sources are also involved, more lead time may be required. Straus noted that the present deadline for unencumbered construction fund balance is June 30 and now it is being moved back to September 1 with more strict guidelines. The first notification is sent around February 1 to each city affected by this adjustment. A second notice is sent out after a review of their balance after June 30. Chairman Moore asked what is the recommendation of the subcommittee regarding notices. Spurrier stated that the subcommittee had discussed showing the unencumbered construction fund balance with associated items in all the reports to further make communities aware of their position along with the actual notices being sent by state aid office. The subcommittee did not finalize this procedure into a resolution form but could if so directed. Straus commented on the proposed resolution revision which states that an adjustment will be made if the city does not meet the fund balance reduction by September 1. Siggerud asked what the difference actually is between past practice and the proposed change. Straus stated that in the past there was so much flexibility that some communities came back year after year with the same excuse which the subcommittee wanted to correct in order to be fair to all cities. Additional discussion took place regarding the process and requirements outlined in the subcommittee minutes for the cities reviewed.

Ottensmann commented on the discussion in District No. 5 involving this process and the resolution change. Generally, it was expressed that the criteria provides no flexibility as in such cases where a community is building a fund balance to complete a larger project. Further, clarification of the affect by other governmental agencies on the adjustment criteria needs to be added to the resolution. Also, do other governmental agencies also include other governmental units? Chairman Moore commented that this item should be discussed more thoroughly at tonight's meeting. Spurrier restated the aspect of the legislature's concern and the use of state aid funds by the communities on a timely basis. The previous direction by the Screening Committee was to tighten the requirements and provide a definite financial incentive to complete projects and thereby reduce construction fund balances. Hoshaw noted that the procedure gives notice to the city on a timely basis while also allowing the city to present their case to the subcommittee for further consideration.

Siggerud asked for clarification from the subcommittee on their intent based upon the underlined addition on page 88 and the paragraph on page 89 regarding other agency involvement. Straus agreed that paragraph IV should be incorporated into the resolution. Spurrier stated that the part of the resolution, page 109, giving the community the right to be heard has been left in the resolution. Ottensmann again commented upon the lack of flexibility in the revisions. Spurrier agreed that a language change is necessary to address this matter. Haffield offered some wording changes which will be discussed at tonight's meeting.

Straus also handed out an example on how maintenance allotments would affect unencumbered construction fund balance figures. Hoshaw noted that the corrections would only occur during the first year if additional maintenance funds are requested. Carlson asked if the procedure should be changed to utilize total allocation rather than the construction portion.

V. VARIANCES:

Straus reviewed the variances acted upon from November, 1987 through June, 1988. The variances requiring no adjustment are listed on pages 91 and 92 while the ones requiring an adjustment are listed on pages 92 through 94. These cities have submitted hold harmless resolutions at this time. Straus also noted an error in the New Hope figures which should show an adjustment amount of \$686.00 rather than the \$17,832.00.

Straus explained the letters submitted by Eagan, pages 95 and 96, and Rochester, pages 97 and 98, regarding the documentation requested by the Screening Committee at last year's meeting. Eagan took over a CSAH road which had never received needs and they requested that a total adjustment be given. Rochester was drawing needs on 62 feet but only for a two year period which would then substantially reduce their adjustment.

VI. RESEARCH ACCOUNT:

The history of the research account is listed on page 99 of the report. Normally, 1/4 of 1 percent of the allocation is allocated to this account with any excess balances at the end of the year being transferred back to the state aid fund.

VII. ADMINISTRATIVE ACCOUNT:

On page 100 of the report, a history of the administrative account is provided. 1 1/2% of the total funds available are set aside for the administration of state aid. The unexpended balances at the end of the year are transferred back to the state aid fund.

VIII. CONSTRUCTION ACCOMPLISHMENTS RESOLUTION:

Straus reviewed the proposed revised resolution regarding construction accomplishments printed on page 101 of the report. The original resolution is provided on page 104. The revised resolution addresses the changes approved by the Screening Committee regarding reinstatement of needs after 20 years. The revised resolution also addresses the cost of bituminous resurfacing or concrete joint repair construction projects. This item needs to be addressed by the Screening Committee.

IX. OLD BUSINESS:

None

X. NEW BUSINESS:

Siggerud asked about the procedure needed to increase the maximum municipal state aid street mileage above its present limit of 2500 miles. Fay stated that a bill would need to be introduced into the legislature to change this figure. He noted that this has not been a problem in the past. Ottensmann requested clarification on the correct procedure to accomplish this change. Fay stated that the request should come from the City Engineer's Association and be initiated by the executive committee. Chairman Moore stated that the CEAM Executive Committee would address this matter.

XI. OTHER BUSINESS:

None.

XII. ADJOURNMENT:

Chairman Moore announced that informal discussion of the subjects discussed this afternoon will begin at 8:00 p.m. in the same room. Tomorrow's meeting will begin at 9:00 a.m. There being no further business, Chairman Moore adjourned the meeting at 2:59 p.m.

SECOND SESSION

Chairman Moore called the Municipal Screening Committee back into session at 9:10 a.m. on October 19, 1988. Roll call was taken and the list of attendees was the same as yesterday's meeting.

XII. NEED SUBCOMMITTEE RECOMMENDATIONS REVIEW:

Straus reviewed the Needs Subcommittee recommendations listed on page 12 of the report (Summer Screening Committee Minutes) and the actions taken at the summer Screening Committee meeting. Item No. 1, engineering and contingencies was passed by the Screening Committee and resulted in additional needs of approximately \$70 million. Carlson stated that this item is not reflected under apportionment needs. Straus confirmed this statement and further stated that it is included only as part of the regular needs. Hoshaw questioned why this is the case. Straus did not know the reason. Carlson asked what procedure is needed to change this procedure so that it would be included under apportionment needs. A motion is required, whereby Carlson moved, seconded by Drake, to include engineering costs in both the regular needs and apportionment needs. Chairman Moore asked clarification on the motion with regard to just engineering costs or both engineering and contingency costs. Carlson stated that the motion included only engineering costs which reflect actual needs rather than contingency costs which are not considered an actual need. Further, the 20% figure would apply to engineering costs. Straus questioned the change from the 15%/5% breakdown included in the recommendation. Ottensmann stated that we should remain consistent and use both engineering and contingency costs. Straus stated that this item would go into effect in 1989. Hoshaw requested that the motion be changed to 18% which would then be in agreement with the rules. Straus questioned whether the rule applied since this is for needs only. Fay stated the 18% figure is the rule and should be followed. The original motion was amended by Carlson, agreed to and seconded by Drake, to designate 18% as the engineering cost and further to include this 18% engineering cost in both the regular needs and apportionment needs. All were in favor of the motion. Motion carried.

Straus then stated that Item No. 2 involving the inclusion of needs for undesignated mileage was not approved.

The reinstatement of construction needs after 25 years less bituminous overlays, item No. 3, was passed by the Screening Committee with the change to 20 years instead. It is estimated that this item will increase construction needs by \$125 to \$150 million. This change goes into effect in 1989. Straus clarified that if a bituminous overlay is completed while you are drawing full needs, only the cost of the overlay would be deducted for 10 years.

Item No. 6, reinstatement of storm sewer adjustment needs was also passed by the Screening Committee with the change to 20 years.

Straus next reviewed item No. 4 regarding "after the fact construction accomplishments". The sunset pertaining to this item was approved as December 31, 1989. Therefore, projects undertaken before this date will continue to draw needs for 15 years, but after December 31, 1989, this procedure is discontinued.

The storm sewer construction needs at \$196,000 per mile was approved for inclusion in regular needs but not apportionment needs. The amount applicable to this item is approximately \$105,000,000.

Item No. 7 regarding non-existing bridges was not approved. This item was to be reviewed again at this meeting but will be discussed instead at a later meeting as will storm sewer needs.

The rubberized railroad crossing, item No. 8, was approved by the Screening Committee at \$700 per foot per track times the proposed roadway width. This item will go into effect in 1989.

Straus also noted that the maintenance needs doubled as per Screening Committee action. This item increases needs by \$2.6 million which is reflected in the apportionment column only.

Chairman Moore asked for any questions regarding these matters. There were no questions.

XIV. MONEY NEEDS APPROVAL:

Chairman Moore asked for consideration regarding approval of the money needs subject to modifications required by the Screening Committee resolutions. Straus noted that Buffalo is still not totally settled and they have till January 1, 1989 to complete their submittals. A motion to this effect was made by Siggerud, seconded by Ottensmann. All were in favor of the motion. Motion carried.

XV. UNENCUMBERED CONSTRUCTION FUND:

Straus explained pages 51 through 53 of the report in more detail and how they relate to the resolution printed on page 109. He highlighted the different paragraphs of the resolution on how it affects each city. He noted that cities should try and send their payment requests in early in order to reduce their balances by September 1.

Chairman Moore then moved onto the subcommittee's recommendations as noted on pages 80 through 89. A motion was made by Siggerud, seconded by Ottensmann, to approve the recommendations of the unencumbered construction fund subcommittee regarding the sixteen (16) communities reviewed for possible adjustment. Straus noted that four (4) cities; Hermantown, Vadnais Heights, New Hope and Golden Valley, did not meet the time period allowed by the subcommittee, September 1, 1988, but have now submitted everything required. Hoshaw asked clarification on the requirements. Straus stated that Hermantown, New Hope and Golden Valley needed to submit report of state aid contracts while Vadnais Heights needed to submit a schedule. Hoshaw questioned why we should treat these differently

than the first part of the resolution on deduction of unencumbered construction fund balance. None of these communities required a council resolution as part of their submittal. Hanson reviewed the Golden Valley case in which the city did not submit their report of state aid contract prior to September 1. He then asked about the Screening Committee's position on this matter. Siggerud asked clarification on the Hermantown situation. Straus stated that their FAU project underran thereby reducing the associated costs. The subcommittee wanted them to submit a revised report of state aid contract to gain construction engineering costs. Siggerud stated, however, that the subcommittee did not make specific requirements in this case. Ottensmann re-affirmed the lack of specific requirements and further stated that to require something now would be a penalty. Further discussion took place regarding these matters and the specific requirements of the subcommittee. Hoshaw commented that the date has been moved back to September 1. Siggerud stated that the rules should be made more specific first and then the cities required to follow them. Therefore, the present cities should remain as recommended. Spurrier then provided further clarification on these items. Hoshaw, based upon the comments of Siggerud, made a motion to amend the original motion, seconded by Ottensmann, that for this year only a time exception from September 1 to prior to the Screening Committee meeting be allowed for encumbering funds to avoid adjustments which would be handled under the administration of the state aid office. Some questions arose for the need for this amendment. Hoshaw noted that some communities had met the requirements and others had not submitted the necessary requests or made any commitments to reduce their unencumbered balance. Chairman Moore referred to the New Brighton case on page 81 in which the subcommittee recommended no action but under this amendment would receive an adjustment. Spurrier again stated that the subcommittee had used the criteria on page 80 under No. 3 which had existed prior to the process and approved by the Screening Committee. Based upon this material, Hoshaw withdrew his amendment, agreed to by Ottensmann. A further clarification of the motion was made by Ottensmann with regard to the recommendation of the subcommittee and that if the city did not meet these conditions, they would be adjusted. Fay agreed with Ottensmann's statement on the motion and reiterated that the committee should be sure if this is the action they desire to make. Chairman Moore noted that Golden Valley and New Hope did not meet the conditions imposed by the subcommittee. Siggerud thought the motion was consistent with past practice and would be against any change in this matter for this year. Siggerud then withdrew his motion, agreed to by Ottensmann and in its place a motion was made by Siggerud, seconded by Edwards, that only Maplewood receive an adjustment as per the recommendation of the subcommittee. Motion carried on a vote of 11 to 1 with Carlson voting against the motion.

Chairman Moore next moved to the resolution revision language as noted on page 88 and 89 including the underlined portion as well as the exception language in Section IV. A motion was made by Hoshaw to revise the resolution which was last revised in October, 1986 to read as follows:

"Whenever a municipality's construction fund balance available as of September 1 of the current year, not including the current year's allotment, exceeds \$300,000 or two times their annual construction allotment (whichever is greater), 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 informed by the Subcommittee that an adjustment of the actual 25 year needs will be made the following year by the Screening Committee. Such adjustments will be based upon twice the city's unencumbered construction fund balance, less the current year's construction allotment which 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."

This motion was seconded by Ottensmann. Chairman Moore summarized that the balance must be reduced by September 1 or an adjustment will be made. It was noted that either submittal of a report of state aid contract or report of final contract reduces the balance. Hoshaw clarified that the subcommittee would be there to inform the city face to face of this matter. Some discussions took place regarding the last sentence of the proposed revised resolution and confusion regarding this adjustment. Drake asked about the need for the subcommittee. Hoshaw explained the need for the face to face meeting on this matter. Bullert requested direction regarding the notification dates on which letters are sent to the cities in relation to the resolution language. Hoshaw made an amendment to the motion incorporating March 1 and June 30 as notification dates within the resolution. Carlson asked Spurrier for his comments. He stated that one side involves the legislature's view of the size of the construction fund balance and its effect on future funding while the other side is in the position that the state aid apportionment is an entitlement and therefore should not be adjusted so severely. The better argument is that the fund balance is a detriment for funding by the legislature and therefore the cities should be forced to reduce their fund balance. This adjustment has caused cities to spend their money. Spurrier would like to see more information on the financial impact of these adjustments so cities would better understand the affect of their action. He further supported the right of a face to face meeting or hearing for each city affected by this resolution. Further discussion took place regarding the subcommittee's role in this process. Haffield then questioned the wording of the resolution with regard to the change from June 30 to September 1 in the first sentence. Hoshaw stated that the intent of his motion was for the subcommittee to meet with the cities after June 30. Hanson further clarified this date issue. The date was changed back to June 30 as a friendly amendment. Chairman Moore noted the intent of the resolution is to set September 1 as the deadline for fund compliance. Siggerud questioned the need for the subcommittee to meet with the city prior to September 1 if detailed notice has been previously sent to the city outlining the requirements and subsequent actions if the requirements are not met.

Some additional concerns were expressed regarding the language of the revised resolution. Fay stated that the Committee may want to vote on the intent of the motion which if approved would be drafted and sent to each member for a final vote. Chairman Moore stated that the intent of the motion is to have an absolute cut-off date of September 1, either a report of state aid contract or report of final contract must be submitted to reduce the unencumbered construction fund balance prior to that date and the subcommittee would meet with the cities only for the purpose of providing a face to face meeting with the city to explain the adjustment, resolutions and other related matters. All were in favor of the intent of the motion. Motion carried.

Busby addressed the \$300,000 figure in the resolution and whether it should be changed. Hoshaw questioned if the subcommittee should review. Chairman Moore asked if there is a motion on this matter. None were forthcoming.

XVI. RESEARCH ACCOUNT:

A motion was made by Hoshaw, seconded by Carlson, to approve the motion on page 99, setting aside the amount of \$145,953 for the research account. All were in favor of the motion. Motion carried.

XVII. VARIANCE ADJUSTMENTS:

A motion was made by Siggerud, seconded by Hoshaw, to approve the variance adjustments listed on pages 92 through 94 subject to the revisions stated earlier by the state aid office. All were in favor of the motion. Motion carried.

XVIII. BRIDGES:

Chairman Moore asked the Screening Committee if there was any further discussion regarding bridge reinstatement of needs and/or the length of bridges as discussed the previous day. Koenig asked for further clarification on this item. Straus stated that at the present time bridges are not reinstated to draw needs because of no time limit being established for this item. Therefore, some bridges may be 60 years old and still not drawing needs. Siggerud asked if there was a listing of these bridges and what effect it would have on the needs. Hoshaw asked the approximate number of bridges which would be affected under a 30 to 35 year time period. Straus thought that probably 40 to 50 bridges would be involved; and, if this item is changed, these bridges would then start to draw needs again just as the street does as per the change approved by the Screening Committee last June. Hoshaw stated that a motion was necessary to first of all approve the reinstatement of bridge needs after a 30 to 35 year period and further to decide on the length of structure to be considered a bridge. Chairman Moore asked if the Screening Committee would first like to see a report outlining the effect of whatever changes are agreed upon before officially making the change. Hoshaw suggested that the Needs Subcommittee report back to the Screening Committee at the next

spring meeting. Straus disagreed with that procedure since it would delay the needs for another year; and, further, if the needs are there, the city deserves them and the effect of this change should have no effect on the decision. A motion was made by Busby, seconded by Koenig, that bridge needs be reinstated after 35 years. Straus stated that the counties use 35 years so therefore this motion would be consistent with the county program. All were in favor of the motion. Motion carried.

Chairman Moore next asked for a motion on the consideration of length of structure to be considered a bridge. He stated that the current situation is 20 feet in the MSAS system and that the state and county consider 10 feet or over as a bridge while the federal length is 20 feet. A motion was made by Carlson, seconded by Busby, to consider a bridge as any structure 10 feet or more in length. Busby asked for clarification on determination of span length for multiple barrel structures. Fay stated the span length is determined by the total clear opening of the multiple barrel structure with the stipulation that the structures must be no further apart than one-half the span of the smallest structure. Further discussion took place regarding this matter. All were in favor of the motion. Motion carried.

XIX. CONSTRUCTION ACCOMPLISHMENTS REVISED RESOLUTION:

Straus reviewed the proposed revised resolution on page 101 in relation to the current resolution on page 104. He stated that the next to the last paragraph in the current resolution

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

needs to be eliminated as well as the paragraph following that one. Straus noted some minor language changes in the proposed revised resolution as well as the need to include bridges in the wording which has not been completed at this time. A motion was made by Carlson, seconded by Drake, to replace the five paragraphs under Construction Accomplishments on page 104 with the five new paragraphs on page 101 including the minor language modifications and the insertion of the wording for the bridge reinstatement after 35 years. All were in favor of the motion. Motion carried.

XX. OTHER BUSINESS:

Chairman Moore asked about any further comments on non-existing bridges and storm sewer needs. Hoshaw stated that the Screening Committee had directed the Needs Subcommittee to further review these items and provide a report at the next Spring Screening Committee meeting.

Rudrud commented on the concern regarding the language for the unencumbered construction fund balance adjustment.

Ottensmann addressed the issue of apportionment needs for both old and proposed sidewalks. At the present time, a city can draw apportionment needs on only the replacement of existing sidewalks. If a new sidewalk is planned on a street, apportionment needs are not drawn. He questioned this difference if the sidewalk is needed. Fay provided some background in that if a sidewalk is already existing, it is very likely to be reconstructed; whereas, the construction of new sidewalks is very questionable. It was stated that some communities do not build a street without sidewalk while other cities never build sidewalks at all. Sidewalks are eligible for state aid funding. Drake asked if you can have a state aid sidewalk project only. Hanson affirmed the sidewalk project can be completely separate with the stipulation that the street on which the sidewalks is proposed must meet standards before the sidewalks can be funded through the MSA system. Further discussion took place regarding existing and non-existing sidewalks and the aspect of regular needs and/or apportionment needs for these sidewalks. Following the discussion, a motion was made by Ottensmann, seconded by Siggerud, to direct the Needs Subcommittee to review the present procedure regarding the inclusion of existing and proposed sidewalks within the regular/apportionment needs for a community and determine if all sidewalks should be included in the apportionment needs or some other change and provide a report/recommendation to the Spring 1989 Screening Committee meeting. All were in favor of the motion. Motion carried.

XXI. VARIANCES - EAGAN AND ROCHESTER:

Straus provided a general background regarding the particular adjustment for Eagan and Rochester as provided on pages 95 through 98. The information requested by the Screening Committee has been submitted by these two communities. A motion was made by Hoshaw, seconded by Siggerud, to approve the variance adjustments as outlined in the letters submitted by Eagan and Rochester on pages 95 through 98. All were in favor of the motion. Motion carried.

XXII. ADMINISTRATIVE ACCOUNT:

A motion was made by Drake, seconded by Hoshaw, that 1 1/2% of the total funds available be set aside for the administration of state aid. All were in favor of the motion. Motion carried.

Rudrud presented an item regarding the completion of a video package explaining the MSA system which could then be used to inform City Councils, etc. The payment of this item could come from the administrative account. Hoshaw expressed that this project may be something to be discussed by the City Engineer's Association. Fay stated that they will pursue this item and bring back some recommendations to the CEAM Executive Committee. He believed that this would be an administrative account expense. Carlson asked if a two or three page brochure could be developed for general distribution. Straus had included this project as one of his goals but has limited time available. Rudrud stated that he was looking for something more instructional for staff and other interested persons. Fay believed that the project should be done by the state aid office. Koenig stated that this information is definitely needed and would be beneficial.

XXIII. GORDON FAY, STATE AID DIRECTOR, REPORT:

Gordy Fay proceeded with the following comments:

A. City of St. Paul

A general review of a City of St. Paul MSA project with regard to MSA standards, the professional integrity of the engineer, and the demands of certain public interests were commented upon by Mr. Fay. The problem involves a certain request by the public which does not meet MSA standards and does not follow good engineering principles and the effect the request has on the professional engineer. The bottom line is that the professional engineer must stand by his principles and sometimes even refrain from signing plans which do not follow good engineering standards and which the engineer does not agree with. The aspect of tort liability cases must be considered in these matters.

B. Finals

The aspect that contracts sometimes are not finaled out on a timely basis was addressed. Certain projects due to federal funding, litigation and other reasons require more time to final but in many cases it is just a matter of completing the paperwork and submitting the required documentation.

C. Cooperative Agreements

Some problems have arisen on cooperative agreements between cities and the state in the past when the city has refused to deposit the money in a fund transfer account because of some other dispute with the trunk highway system. This refusal depletes the amount of money in federal aid projects which is available to pay the contractor and subsequently receive reimbursement from the Federal Highway Administration. A new cooperative agreement is now being processed which will hopefully clear up some of these problems.

D. Adjustments

The issue of a city meeting the goals of the subcommittee versus receiving an adjustment is interesting. Hermantown has for all practical purposes had a retired state aid engineer performing their engineering duties on a part-time basis. The city is now requesting the service of a professional engineer for 300 hours annually. The city has over \$300,000 per year to put under contract agreement and the question arises as to who is going to do this work on a time limit of 300 hours per year.

E. Bridges

Since 1976, fifty-five (55) bridges have been replaced within the 38 communities in Minnesota. A report to show the effect of reinstating needs on bridges after 35 years would have been interesting to review.

XXIV. FINAL COMMENTS:

Joe Koenig offered some comments regarding the St. Paul situation. Some discussion has taken place by Council Members that St. Paul, Minneapolis, and Duluth should go together to the legislature and be removed the MSAS system. The engineering staff are not in agreement with this proposal which is being promoted due to some variance disagreements on certain projects. He further clarified the difficult position an engineer is placed in when dealing with the public and the approval process/design of state aid projects.

Chairman Moore recognized and thanked Steve Gatlin and Bo Spurrier for their work on the subcommittees and the aspect that their term on these subcommittees expires at the end of the year. Chairman Moore also recognized and thanked Clyde Busby and Dan Edwards for their commitment to the Screening Committee as their terms expire at the end of the year. Hoshaw thanked Chairman Moore for his efforts as Chairman of the Screening Committee.

XXV. ADJOURNMENT:

A motion was made by Siggerud, seconded by Edwards, to adjourn the meeting. All were in favor of the motion. Motion carried.

The meeting adjourned at 11:16 a.m.

Respectfully submitted:



Bruce R. Bullert
Secretary, CEAM

SCHEDULE "A"

Minnesota Department of Transportation
ESTIMATED Funds Available for Distribution
From Highway User Tax Distribution Fund

ESTIMATED Gross Income (Fiscal 1989)

Motor Fuel Tax	7-1-88 to 12-31-88	\$234,593,000	
	1-1-89 to 6-30-89 (Est.)	215,195,000	

	Subtotal		\$449,788,000
Motor Vehicle Tax	7-1-88 to 12-31-88	\$122,262,000	
	1-1-89 to 6-30-89 (Est.)	125,788,000	

	Subtotal		\$248,050,000
Motor Vehicle	7-1-88 to 12-31-88 (Est.)	\$26,625,000	
Excise Tax	1-1-89 to 6-30-89 (Est.)	27,875,000	

			\$54,500,000
General Fund Appropriation			8,950,000

	Total Highway Users Income		\$761,288,000

Less Transfer to:

Motor Vehicle Division	\$10,260,000	
Petroleum Division	1,610,900	
DEPARTMENT OF NATURAL RESOURCES		
Unrefunded Marine Gas Tax	5,338,900	
Unrefunded Snowmobile Gas Tax	2,669,400	
Unrefunded All Terrain Vehicle Gas Tax	533,800	
Unrefunded Forest Road	675,000	

	Subtotal	\$21,088,000

ESTIMATED Funds Available for Distribution in Calendar Year 1989	-----	\$740,200,000
---	-------	---------------

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

\$740,200,000 x 5% = \$37,010,000

Trunk Highway Fund	(51%)	\$18,875,100	
County Turnback Account	(41% x 43%)	6,524,863	
Town Bridge Account	(41% x 20%)	3,034,820	
Town Road Account	(41% x 37%)	5,614,417	
Municipal Turnback Account	(8%)	2,960,800	

			\$37,010,000

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

\$740,200,000 x 95% = \$703,190,000

Trunk Highway Fund	(62%)	\$435,977,800	
County State Aid Highway Fund	(29%)	203,925,100	
Municipal State Aid Street Fund	(9%)	63,287,100	

			\$703,190,000

SCHEDULE "B"

Minnesota Department of Transportation ESTIMATED Funds Available for Distribution To Counties in 1989

INCOME:

Highway Users Fund (29%) - Excluding Turnback	\$203,925,100
Investment Interest	13,000,000
Increase in income over 1988 estimate	11,708,834
Unexpended balance of 1988 Administrative Cost Account	712,210
Unexpended balance of 1988 Research Account	269,276
Release of Unencumbered State Park Fund	0
Total Funds Available	\$229,615,420

DEDUCTIONS:

Administrative Account (1-1/2% of total funds available)	\$3,444,231
Disaster Fund	
Legal Limit	\$300,000
Unexpended balance as of 12/31/87	300,000
Amount required to make the \$300,000 maximum	-----
	\$0
Research Account (1/4 of 1% of the 1988 Apportionment Sum)	
\$176,956,052 x .25% = \$442,390	
(As determined by 1988 Screening Board)	\$442,390
State Park Road Fund	
After deducting for the Administrative Account, Disaster Fund, and Research Account, a sum of three quarters of one percent of the remainder shall be set aside for use as prescribed by law.	
	\$1,692,966

APPORTIONMENT SUM Available for Distribution to the Counties in 1989	\$224,035,833
--	---------------

Equalization - 10% =	\$22,403,583
Registration - 10% =	22,403,583
Mileage - 30% =	67,210,750
Money Needs - 50% = (\$112,017,917)	112,048,340 *

	\$224,066,256 *

* Includes \$30,423 received from the Attorney General as damages paid by contractors for their collusive conduct (to be apportioned among all counties according to current needs formula).

SCHEDULE "C"

Minnesota Department of Transportation ESTIMATED Funds Available for Distribution To Municipalities in 1989

INCOME:

Highway Users Fund (9%) - Excluding Turnback	\$63,287,100
Interest on Investments	9,000,000
Increase in income over 1988 estimate	5,987,900
Unexpended balance of 1988 Administrative Cost Account	387,171
Unexpended balance of 1988 Research Account	72,261

Total Funds Available	\$78,734,432

DEDUCTIONS:

Administrative Account (1-1/2% of total funds available)	\$1,181,016
Disaster Fund	
Legal Limit (5% of the Current Apportionment Sum)	\$3,825,072
Unexpended balance of 1988 Disaster Fund	2,919,051

Amount required to make maximum allowed	\$906,021

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

Research Account (1/4 of 1% of the 1988 Apportionment Sum)	
\$58,381,022 x .25% = \$145,953	
(As determined by 1988 Screening Board)	\$145,953

APPORTIONMENT SUM Available for Distribution to the Urban Municipalities in 1989	\$76,501,442
--	--------------

Population	- 50% =	\$38,250,721
Money Needs	- 50% =	38,250,721

		\$76,501,442

SCHEDULE "D"

Minnesota Department of Transportation
ESTIMATED Funds Available for Distribution
To Town Bridge Account and Town Road Account

Income to Town Bridge Account:	
Highway Users Fund(41% x 20% x 5%)	\$3,034,820
Increase in income over previous years estimates	109,675

Total monies available for distribution to Towns in 1989	\$3,144,495

Income to Town Road Account:	
Highway Users Fund(41% x 37% x 5%)	\$5,614,417
Increase in income over previous years estimates	202,899

Total monies available for distribution to Towns in 1989	\$5,817,316

1989 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."

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

Municipalities -----	Population -----	Population Apportionment -----
Albert Lea	19,445	\$293,389
Alexandria	7,608	114,791
Andover	9,387	141,633
 Anoka	 15,634	 235,888
Apple Valley	32,122	484,662
Arden Hills	8,012	120,886
 Austin	 23,079	 348,220
Bemidji	10,945	165,140
Blaine	34,405	519,108
 Bloomington	 81,831	 1,234,680
Brainerd	11,489	173,348
Brooklyn Center	31,230	471,203
 Brooklyn Park	 43,332	 653,800
Buffalo	5,996	90,469
Burnsville	40,115	605,262
 Champlin	 9,006	 135,884
Chanhassen	6,359	95,946
Chaska	8,346	125,926
 Chisholm	 5,930	 89,473
Cloquet	11,142	168,112
Columbia Heights	20,029	302,201
 Coon Rapids	 42,845	 646,452
Cottage Grove	18,994	286,585
Crookston	8,628	130,181
 Crystal	 25,543	 385,397
Detroit Lakes	7,106	107,217
Duluth	92,811	1,400,348
 Eagan	 30,456	 459,525
East Bethel	6,626	99,974
East Grand Forks	8,537	128,808

Municipalities	Population	Population Apportionment
Eden Prairie	24,052	362,901
Edina	46,073	695,157
Elk River	6,785	102,373
Eveleth	5,042	76,075
Fairmont	11,506	173,604
Falcon Heights	5,291	79,831
Faribault	16,241	245,047
Farmington	5,140	77,553
Fergus Falls	12,579	189,794
Fridley	30,228	456,085
Golden Valley	22,775	343,633
Grand Rapids	7,934	119,710
Ham Lake	7,832	118,171
Hastings	13,286	200,461
Hermantown	6,759	101,981
Hibbing	21,193	319,764
Hopkins	15,336	231,392
Hutchinson	9,335	140,848
International Falls	5,671	85,565
Inver Grove Heights	17,171	259,079
Lake Elmo	5,296	79,907
Lakeville	14,790	223,154
Lino Lakes	5,587	84,298
Litchfield	5,904	89,081
Little Canada	7,102	107,156
Little Falls	7,250	109,389
Mankato	29,746	448,813
Maple Grove	28,676	432,668
Maplewood	26,990	407,230
Marshall	11,165	168,459
Mendota Heights	7,288	109,963
Minneapolis	370,951	5,596,971
Minnetonka	38,683	583,656
Montevideo	5,882	88,749
Moorhead	29,998	452,615
Morris	5,385	81,250
Mound	9,280	140,018
Mounds View	12,593	190,005
New Brighton	23,269	351,087
New Hope	23,087	348,340
New Ulm	13,755	207,538
Northfield	12,562	189,538

Municipalities	Population	Population Apportionment
North Mankato	9,817	148,121
North St. Paul	11,921	179,866
Oakdale	12,123	182,914
Orono	6,845	103,278
Owatonna	18,637	281,198
Plymouth	31,615	477,012
Prior Lake	9,926	149,765
Ramsey	10,093	152,285
Red Wing	13,738	207,281
Redwood Falls	5,210	78,609
Richfield	37,851	571,102
Robbinsdale	14,422	217,602
Rochester	57,974	874,721
Rosemount	5,083	76,693
Roseville	35,820	540,458
St. Anthony	7,981	120,419
St. Cloud	42,568	642,273
St. Louis Park	42,931	647,750
St. Paul	270,230	4,077,275
St. Peter	9,056	136,638
Sauk Rapids	5,843	88,160
Savage	5,237	79,017
Shakopee	9,941	149,991
Shoreview	17,300	261,025
South St. Paul	21,235	320,397
Spring Lake Park	6,477	97,726
Stillwater	12,328	186,007
Thief River Falls	9,105	137,378
Vadnais Heights	5,111	77,116
Virginia	11,056	166,815
Waseca	8,219	124,010
West St. Paul	18,527	279,538
White Bear Lake	22,538	340,057
Willmar	15,895	239,826
Winona	25,069	378,245
Woodbury	14,726	222,188
Worthington	10,243	154,548
TOTAL	2,535,147	\$38,250,721

Population Apportionment equals Total Population Apportionment
divided by Total Population times the City Population.

\$38,250,721

2,535,147

Equals

\$15.088166879 per person

1989 Money Needs Apportionment

Pursuant to Minnesota Statutes Chapter 162.13, Subdivision 1 (1) 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 money needs bears to the total money needs of all such cities."

Municipalities	Adjusted 25-Year Const. Needs	Money Needs Apport. (- THTB Adj.)	+ Turnback Maint. Adjust.	1989 Money Needs Apport.	Dist. %
Albert Lea	\$3,427,317	\$222,699	--	\$222,699	0.582%
Alexandria	1,924,392	125,043	--	125,043	0.327%
Andover	5,321,791	345,798	--	345,798	0.904%
Anoka	2,449,246	159,146	--	159,146	0.416%
Apple Valley	4,393,244	285,463	--	285,463	0.746%
Arden Hills	1,203,428	78,196	--	78,196	0.204%
Austin	5,265,406	342,134	--	342,134	0.894%
Bemidji	2,156,419	140,119	--	140,119	0.366%
Blaine	4,908,250	318,927	--	318,927	0.834%
Bloomington	14,530,356	944,149	--	944,149	2.468%
Brainerd	3,775,249	245,307	--	245,307	0.641%
Brooklyn Center	4,640,053	301,500	--	301,500	0.788%
Brooklyn Park	6,832,561	443,964	2,295	446,259	1.167%
Buffalo	3,092,281	200,929	--	200,929	0.525%
Burnsville	8,959,213	582,149	--	582,149	1.522%
Champlin	1,625,473	105,620	960	106,580	0.279%
Chanhassen	3,801,573	247,018	--	247,018	0.646%
Chaska	1,869,899	121,502	--	121,502	0.318%
Chisholm	1,821,203	118,338	--	118,338	0.309%
Cloquet	6,721,116	436,723	--	436,723	1.142%
Columbia Heights	1,371,564	89,121	--	89,121	0.233%
Coon Rapids	7,285,528	473,397	--	473,397	1.238%
Cottage Grove	5,208,533	338,439	--	338,439	0.885%
Crookston	4,105,964	266,796	2,370	269,166	0.704%
Crystal	7,998,681	519,736	--	519,736	1.359%
Detroit Lakes	1,370,578	89,057	--	89,057	0.233%
Duluth	27,771,422	1,804,523	--	1,804,523	4.718%
Eagan	939,972	515,921	--	515,921	1.349%
East Bethel	3,051,113	198,254	--	198,254	0.518%
East Grand Forks	2,046,206	132,958	--	132,958	0.348%
Eden Prairie	10,659,867	692,654	--	692,654	1.811%
Edina	4,809,546	312,513	--	312,513	0.817%
Elk River	5,095,613	331,101	--	331,101	0.866%

Municipalities	Adjusted 25-Year Const. Needs	Money Needs Apport. (- THTB Adj.)	+ Turnback Maint. Adjust.	1989 Money Needs Apport.	Dist. %
Eveleth	1,054,960	68,549	--	68,549	0.179%
Fairmont	4,088,086	265,634	--	265,634	0.694%
Falcon Heights	331,093	21,514	--	21,514	0.056%
Faribault	4,649,200	302,094	--	302,094	0.790%
Farmington	3,757,769	244,171	--	244,171	0.638%
Fergus Falls	2,210,819	143,654	--	143,654	0.376%
Fridley	3,719,705	241,698	--	241,698	0.632%
Golden Valley	6,170,308	400,933	--	400,933	1.048%
Grand Rapids	2,200,230	142,966	--	142,966	0.374%
Ham Lake	2,424,930	157,566	--	157,566	0.412%
Hastings	2,313,775	150,344	--	150,344	0.393%
Hermantown	3,369,485	218,941	--	218,941	0.572%
Hibbing	10,170,246	660,839	--	660,839	1.728%
Hopkins	2,944,880	191,352	--	191,352	0.500%
Hutchinson	3,035,265	197,225	--	197,225	0.516%
International Falls	1,760,316	114,381	--	114,381	0.299%
Inver Grove Heights	4,241,853	275,626	--	275,626	0.721%
Lake Elmo	1,484,946	96,488	--	96,488	0.252%
Lakeville	7,527,436	489,116	--	489,116	1.279%
Lino Lakes	3,874,072	251,728	--	251,728	0.658%
Litchfield	1,915,316	124,453	--	124,453	0.325%
Little Canada	1,888,164	122,689	--	122,689	0.321%
Little Falls	2,178,665	141,565	--	141,565	0.370%
Mankato	4,084,205	265,382	3,675	269,057	0.703%
Maple Grove	11,921,491	774,631	750	775,381	2.027%
Maplewood	0	0	--	0	0.000%
Marshall	1,862,251	121,005	--	121,005	0.316%
Mendota Heights	2,161,127	140,425	--	140,425	0.367%
Minneapolis	81,112,909	5,270,531	--	5,270,531	13.779%
Minnetonka	7,592,093	493,317	--	493,317	1.290%
Montevideo	1,908,326	123,999	--	123,999	0.324%
Moorhead	6,279,211	408,009	--	408,009	1.067%
Morris	1,755,122	114,044	--	114,044	0.298%
Mound	1,428,306	92,808	--	92,808	0.243%
Mounds View	1,031,127	67,000	--	67,000	0.175%
New Brighton	1,132,366	73,579	--	73,579	0.192%
New Hope	1,537,217	99,885	--	99,885	0.261%
New Ulm	3,127,055	203,189	--	203,189	0.531%
Northfield	3,253,875	211,429	--	211,429	0.553%
North Mankato	1,752,572	113,878	1,410	115,288	0.301%
North St. Paul	1,515,733	98,489	--	98,489	0.257%
Oakdale	2,641,451	171,635	--	171,635	0.449%

Municipalities	Adjusted 25-Year Const. Needs	Money Needs Apport. (- THTB Adj.)	+ Turnback Maint. Adjust.	1989 Money Needs Apport.	Dist. %
Orono	2,307,002	149,904	--	149,904	0.392%
Owatonna	4,407,536	286,392	--	286,392	0.749%
Plymouth	8,161,080	530,288	--	530,288	1.386%
Prior Lake	2,688,558	174,696	--	174,696	0.457%
Ramsey	5,160,739	335,333	--	335,333	0.877%
Red Wing	7,434,446	483,073	--	483,073	1.263%
Redwood Falls	1,274,483	82,813	--	82,813	0.217%
Richfield	3,605,035	234,247	--	234,247	0.612%
Robbinsdale	919,606	59,754	--	59,754	0.156%
Rochester	10,338,955	671,802	--	671,802	1.756%
Rosemount	3,575,159	232,306	--	232,306	0.607%
Roseville	10,841,290	704,442	--	704,442	1.842%
St. Anthony	664,565	43,182	--	43,182	0.113%
St. Cloud	11,232,601	729,869	1,290	731,159	1.911%
St. Louis Park	9,433,892	612,993	--	612,993	1.603%
St. Paul	68,179,149	4,430,125	--	4,430,125	11.582%
St. Peter	964,195	62,651	--	62,651	0.164%
Sauk Rapids	1,971,280	128,089	--	128,089	0.335%
Savage	3,038,963	197,465	--	197,465	0.516%
Shakopee	3,488,310	226,662	--	226,662	0.593%
Shoreview	1,447,594	94,061	--	94,061	0.246%
South St. Paul	2,660,588	172,879	--	172,879	0.452%
Spring Lake Park	691,383	44,924	--	44,924	0.117%
Stillwater	2,824,100	183,504	--	183,504	0.480%
Thief River Falls	2,220,282	144,269	--	144,269	0.377%
Vadnais Heights	572,290	37,186	--	37,186	0.097%
Virginia	1,732,442	112,570	--	112,570	0.294%
Waseca	951,028	61,796	--	61,796	0.162%
West St. Paul	2,160,059	140,356	--	140,356	0.367%
White Bear Lake	5,269,461	342,398	--	342,398	0.895%
Willmar	2,498,279	162,332	4,830	167,162	0.437%
Winona	3,856,881	250,611	--	250,611	0.655%
Woodbury	8,612,327	559,609	--	559,609	1.463%
Worthington	2,379,347	154,605	--	154,605	0.404%

TOTAL	\$588,403,918	\$38,233,141	\$17,580	\$38,250,721	100.000%
-------	---------------	--------------	----------	--------------	----------

Money Needs	\$38,233,141			Adj. 25 Yr.
Apportionment	=	-----	equals	0.06497771 X Constr.
(less THTB Adj)	\$588,403,918			Needs

\$1,000 in Adjusted Money Needs earn \$64.97771 in Money Needs Apportionment.

1989 M.S.A.S. Total Apportionment

Municipalities	Population Apportion- ment	Money Needs Apportion- ment	Total Apportion- ment	Distribution Percentage
Albert Lea	\$293,389	\$222,699	\$516,088	0.6746%
Alexandria	114,791	125,043	239,834	0.3135%
Andover	141,633	345,798	487,431	0.6372%
Anoka	235,888	159,146	395,034	0.5164%
Apple Valley	484,662	285,463	770,125	1.0067%
Arden Hills	120,886	78,196	199,082	0.2602%
Austin	348,220	342,134	690,354	0.9024%
Bemidji	165,140	140,119	305,259	0.3990%
Blaine	519,108	318,927	838,035	1.0954%
Bloomington	1,234,680	944,149	2,178,829	2.8481%
Brainerd	173,348	245,307	418,655	0.5473%
Brooklyn Center	471,203	301,500	772,703	1.0101%
Brooklyn Park	653,800	446,259	1,100,059	1.4380%
Buffalo	90,469	200,929	291,398	0.3809%
Burnsville	605,262	582,149	1,187,411	1.5521%
Champlin	135,884	106,580	242,464	0.3169%
Chanhassen	95,946	247,018	342,964	0.4483%
Chaska	125,926	121,502	247,428	0.3234%
Chisholm	89,473	118,338	207,811	0.2716%
Cloquet	168,112	436,723	604,835	0.7906%
Columbia Heights	302,201	89,121	391,322	0.5115%
Coon Rapids	646,452	473,397	1,119,849	1.4638%
Cottage Grove	286,585	338,439	625,024	0.8170%
Crookston	130,181	269,166	399,347	0.5220%
Crystal	385,397	519,736	905,133	1.1832%
Detroit Lakes	107,217	89,057	196,274	0.2566%
Duluth	1,400,348	1,804,523	3,204,871	4.1893%
Eagan	459,525	515,921	975,446	1.2751%
East Bethel	99,974	198,254	298,228	0.3898%
East Grand Forks	128,808	132,958	261,766	0.3422%
Eden Prairie	362,901	692,654	1,055,555	1.3798%
Edina	695,157	312,513	1,007,670	1.3172%
Elk River	102,373	331,101	433,474	0.5666%

Municipalities	Population Apportion- ment	Money Needs Apportion- ment	Total Apportion- ment	Distribution Percentage
Eveleth	\$76,075	\$68,549	\$144,624	0.1890%
Fairmont	173,604	265,634	439,238	0.5742%
Falcon Heights	79,831	21,514	101,345	0.1325%
Faribault	245,047	302,094	547,141	0.7152%
Farmington	77,553	244,171	321,724	0.4205%
Fergus Falls	189,794	143,654	333,448	0.4359%
Fridley	456,085	241,698	697,783	0.9121%
Golden Valley	343,633	400,933	744,566	0.9733%
Grand Rapids	119,710	142,966	262,676	0.3434%
Ham Lake	118,171	157,566	275,737	0.3604%
Hastings	200,461	150,344	350,805	0.4586%
Hermantown	101,981	218,941	320,922	0.4195%
Hibbing	319,764	660,839	980,603	1.2818%
Hopkins	231,392	191,352	422,744	0.5526%
Hutchinson	140,848	197,225	338,073	0.4419%
International Falls	85,565	114,381	199,946	0.2614%
Inver Grove Heights	259,079	275,626	534,705	0.6989%
Lake Elmo	79,907	96,488	176,395	0.2306%
Lakeville	223,154	489,116	712,270	0.9311%
Lino Lakes	84,298	251,728	336,026	0.4392%
Litchfield	89,081	124,453	213,534	0.2791%
Little Canada	107,156	122,689	229,845	0.3004%
Little Falls	109,389	141,565	250,954	0.3280%
Mankato	448,813	269,057	717,870	0.9384%
Maple Grove	432,668	775,381	1,208,049	1.5791%
Maplewood	407,230	0	407,230	0.5323%
Marshall	168,459	121,005	289,464	0.3784%
Mendota Heights	109,963	140,425	250,388	0.3273%
Minneapolis	5,596,971	5,270,531	10,867,502	14.2056%
Minnetonka	583,656	493,317	1,076,973	1.4078%
Montevideo	88,749	123,999	212,748	0.2781%
Moorhead	452,615	408,009	860,624	1.1250%
Morris	81,250	114,044	195,294	0.2553%
Mound	140,018	92,808	232,826	0.3043%
Mounds View	190,005	67,000	257,005	0.3359%
New Brighton	351,087	73,579	424,666	0.5551%
New Hope	348,340	99,885	448,225	0.5859%
New Ulm	207,538	203,189	410,727	0.5369%
Northfield	189,538	211,429	400,967	0.5241%

Municipalities	Population Apportion- ment	Money Needs Apportion- ment	Total Apportion- ment	Distribution Percentage
North Mankato	\$148,121	\$115,288	\$263,409	0.3443%
North St. Paul	179,866	98,489	278,355	0.3639%
Oakdale	182,914	171,635	354,549	0.4635%
Orono	103,278	149,904	253,182	0.3310%
Owatonna	281,198	286,392	567,590	0.7419%
Plymouth	477,012	530,288	1,007,300	1.3167%
Prior Lake	149,765	174,696	324,461	0.4241%
Ramsey	152,285	335,333	487,618	0.6374%
Red Wing	207,281	483,073	690,354	0.9024%
Redwood Falls	78,609	82,813	161,422	0.2110%
Richfield	571,102	234,247	805,349	1.0527%
Robbinsdale	217,602	59,754	277,356	0.3626%
Rochester	874,721	671,802	1,546,523	2.0216%
Rosemount	76,693	232,306	308,999	0.4039%
Roseville	540,458	704,442	1,244,900	1.6273%
St. Anthony	120,419	43,182	163,601	0.2139%
St. Cloud	642,273	731,159	1,373,432	1.7953%
St. Louis Park	647,750	612,993	1,260,743	1.6480%
St. Paul	4,077,275	4,430,125	8,507,400	11.1206%
St. Peter	136,638	62,651	199,289	0.2605%
Sauk Rapids	88,160	128,089	216,249	0.2827%
Savage	79,017	197,465	276,482	0.3614%
Shakopee	149,991	226,662	376,653	0.4923%
Shoreview	261,025	94,061	355,086	0.4642%
South St. Paul	320,397	172,879	493,276	0.6448%
Spring Lake Park	97,726	44,924	142,650	0.1865%
Stillwater	186,007	183,504	369,511	0.4830%
Thief River Falls	137,378	144,269	281,647	0.3682%
Vadnais Heights	77,116	37,186	114,302	0.1494%
Virginia	166,815	112,570	279,385	0.3652%
Waseca	124,010	61,796	185,806	0.2429%
West St. Paul	279,538	140,356	419,894	0.5489%
White Bear Lake	340,057	342,398	682,455	0.8921%
Willmar	239,826	167,162	406,988	0.5320%
Winona	378,245	250,611	628,856	0.8220%
Woodbury	222,188	559,609	781,797	1.0219%
Worthington	154,548	154,605	309,153	0.4041%
TOTAL	\$38,250,721	\$38,250,721	\$76,501,442	100.0000%

1989 MUNICIPAL STATE AID STREET APPORTIONMENT ALLOTMENTS

Construction and Maintenance Allotments

Upon determining that \$76,501,442 is available to the Municipal State Aid Street Fund, the following allotments are made in accordance with the Rules and Regulations for the State Aid Operation.

Twenty-five (25) percent of the total allocation, or \$1,500.00 per mile of improved Municipal State Aid Streets, whichever is the least, as the minimum allotment for the general maintenance of the approved State Aid System. Those municipalities desiring to receive an amount greater than the established minimum shall file a request not later than December 15th preceding the annual allocation and shall agree to file a detailed annual Maintenance Expenditure Report at the end of the year.

Municipality	Allotment	Improved Mileage	Maintenance	Construction
Albert Lea	\$516,088	17.76	\$26,640	\$489,448
Alexandria	239,834	10.95	16,425	223,409
Andover	487,431	16.26	121,858 *	365,573
Anoka	395,034	10.61	15,915	379,119
Apple Valley	770,125	13.81	20,715	749,410
Arden Hills	199,082	2.57	3,855	195,227
Austin	690,354	21.74	32,610	657,744
Bemidji	305,259	14.41	21,615	283,644
Blaine	838,035	18.79	28,185	809,850
Bloomington	2,178,829	71.29	500,000 **	1,678,829
Brainerd	418,655	14.01	32,825 **	385,830
Brooklyn Center	772,703	21.29	31,935	740,768
Brooklyn Park	1,100,059	26.14	39,210	1,060,849
Buffalo	291,398	5.67	8,505	282,893
Burnsville	1,187,411	36.02	54,030	1,133,381
Champlin	242,464	10.60	15,900	226,564
Chanhassen	342,964	9.21	13,815	329,149
Chaska	247,428	8.59	12,885	234,543
Chisholm	207,811	6.93	10,395	197,416
Cloquet	604,835	17.58	26,370	578,465
Columbia Heights	391,322	11.47	78,000 **	313,322
Coon Rapids	1,119,849	28.95	43,425	1,076,424
Cottage Grove	625,024	23.19	34,785	590,239
Crookston	399,347	9.11	13,665	385,682
Crystal	905,133	17.55	226,283 *	678,850
Detroit Lakes	196,274	8.67	13,005	183,269
Duluth	3,204,871	88.60	801,218 *	2,403,653

Municipality	Allotment	Improved Mileage	Maintenance	Construction
Eagan	\$975,446	30.41	\$45,615	\$929,831
East Bethel	298,228	18.87	28,305	269,923
East Grand Forks	261,766	10.09	15,135	246,631
Eden Prairie	1,055,555	23.75	35,625	1,019,930
Edina	1,007,670	38.64	150,000 **	857,670
Elk River	433,474	17.68	26,520	406,954
Eveleth	144,624	5.98	8,970	135,654
Fairmont	439,238	16.85	25,275	413,963
Falcon Heights	101,345	2.54	3,810	97,535
Faribault	547,141	18.10	136,785 *	410,356
Farmington	321,724	4.34	6,510	315,214
Fergus Falls	333,448	12.01	18,015	315,433
Fridley	697,783	21.74	174,446 *	523,337
Golden Valley	744,566	22.79	34,185	710,381
Grand Rapids	262,676	9.04	13,560	249,116
Ham Lake	275,737	16.52	24,780	250,957
Hastings	350,805	12.26	18,390	332,415
Hermantown	320,922	12.99	19,485	301,437
Hibbing	980,603	45.99	245,151 *	735,452
Hopkins	422,744	8.99	13,485	409,259
Hutchinson	338,073	9.73	14,595	323,478
International Falls	199,946	4.74	7,110	192,836
Inver Grove Heights	534,705	14.96	22,440	512,265
Lake Elmo	176,395	8.92	44,099 *	132,296
Lakeville	712,270	22.20	33,300	678,970
Lino Lakes	336,026	9.29	13,935	322,091
Litchfield	213,534	7.83	11,745	201,789
Little Canada	229,845	5.10	57,461 *	172,384
Little Falls	250,954	13.57	20,355	230,599
Mankato	717,870	22.92	34,380	683,490
Maple Grove	1,208,049	24.84	198,500 **	1,009,549
Maplewood	407,230	12.13	18,195	389,035
Marshall	289,464	9.74	14,610	274,854
Mendota Heights	250,388	10.47	15,705	234,683
Minneapolis	10,867,502	187.07	2,716,876 *	8,150,626
Minnetonka	1,076,973	37.57	56,355	1,020,618
Montevideo	212,748	7.54	11,310	201,438
Moorhead	860,624	23.37	35,055	825,569
Morris	195,294	6.45	9,675	185,619
Mound	232,826	6.67	33,000 **	199,826
Mounds View	257,005	6.64	64,251 *	192,754
New Brighton	424,666	10.62	106,167 *	318,499

Municipality	Allotment	Improved Mileage	Maintenance	Construction
New Hope	\$448,225	12.58	112,056 *	\$336,169
New Ulm	410,727	12.51	18,765	391,962
Northfield	400,967	8.68	83,000 **	317,967
North Mankato	263,409	9.04	13,560	249,849
North St. Paul	278,355	6.49	9,735	268,620
Oakdale	354,549	10.45	88,637 *	265,912
Orono	253,182	10.84	63,296 *	189,886
Owatonna	567,590	16.16	24,240	543,350
Plymouth	1,007,300	31.68	47,520	959,780
Prior Lake	324,461	6.48	30,000 **	294,461
Ramsey	487,618	13.63	20,445	467,173
Red Wing	690,354	18.39	172,589 *	517,765
Redwood Falls	161,422	4.32	6,480	154,942
Richfield	805,349	25.49	201,337 *	604,012
Robbinsdale	277,356	10.33	15,495	261,861
Rochester	1,546,523	36.79	55,185	1,491,338
Rosemount	308,999	9.06	13,590	295,409
Roseville	1,244,900	20.61	188,808 **	1,056,092
St. Anthony	163,601	5.21	7,815	155,786
St. Cloud	1,373,432	32.71	254,040 **	1,119,392
St. Louis Park	1,260,743	22.43	50,000 **	1,210,743
St. Paul	8,507,400	156.42	2,126,850 *	6,380,550
St. Peter	199,289	8.12	12,180	187,109
Sauk Rapids	216,249	7.39	11,085	205,164
Savage	276,482	5.78	8,670	267,812
Shakopee	376,653	10.72	16,080	360,573
Shoreview	355,086	6.93	10,395	344,691
South St. Paul	493,276	13.58	123,319 *	369,957
Spring Lake Park	142,650	4.21	35,663 *	106,987
Stillwater	369,511	11.28	16,920	352,591
Thief River Falls	281,647	10.64	15,960	265,687
Vadnais Heights	114,302	3.29	4,935	109,367
Virginia	279,385	11.59	17,385	262,000
Waseca	185,806	6.31	9,465	176,341
West St. Paul	419,894	11.62	17,430	402,464
White Bear Lake	682,455	16.57	170,614 *	511,841
Willmar	406,988	19.37	29,055	377,933
Winona	628,856	18.17	157,214 *	471,642
Woodbury	781,797	16.79	25,185	756,612
Worthington	309,153	9.80	14,700	294,453
TOTAL	\$76,501,442	2026.18	\$11,126,933	\$65,374,509

* 25% of allotment

** lump sum as requested

Comparison of the 1988 to 1989 Apportionment -----

Comparing the 1988 to the 1989 total apportionment we find that only one municipality did not have an increase in apportionment. The comparison also includes the city of Buffalo which became a city over 5000 population in 1988.

Municipality	1988 Total Allotment	1989 Total Allotment	Increase (Decrease) Amount	%
Albert Lea	\$387,303	\$516,088	\$128,785	33%
Alexandria	189,768	239,834	50,066	26%
Andover	333,393	487,431	154,038	46%
Anoka	322,010	395,034	73,024	23%
Apple Valley	524,562	770,125	245,563	47%
Arden Hills	148,577	199,082	50,505	34%
Austin	545,918	690,354	144,436	26%
Bemidji	249,653	305,259	55,606	22%
Blaine	665,820	838,035	172,215	26%
Bloomington	1,746,656	2,178,829	432,173	25%
Brainerd	334,960	418,655	83,695	25%
Brooklyn Center	612,819	772,703	159,884	26%
Brooklyn Park	845,490	1,100,059	254,569	30%
Buffalo	0	291,398	291,398	
Burnsville	877,538	1,187,411	309,873	35%
Champlin	186,108	242,464	56,356	30%
Chanhassen	258,529	342,964	84,435	33%
Chaska	199,856	247,428	47,572	24%
Chisholm	149,688	207,811	58,123	39%
Cloquet	455,177	604,835	149,658	33%
Columbia Heights	291,845	391,322	99,477	34%
Coon Rapids	740,305	1,119,849	379,544	51%
Cottage Grove	460,201	625,024	164,823	36%
Crookston	268,096	399,347	131,251	49%
Crystal	627,477	905,133	277,656	44%
Detroit Lakes	161,100	196,274	35,174	22%
Duluth	2,588,375	3,204,871	616,496	24%
Eagan	756,468	975,446	218,978	29%
East Bethel	220,216	298,228	78,012	35%
East Grand Forks	209,005	261,766	52,761	25%
Eden Prairie	715,809	1,055,555	339,746	47%
Edina	829,521	1,007,670	178,149	21%
Elk River	265,420	433,474	168,054	63%

Municipality	1988 Total Allotment	1989 Total Allotment	Increase (Decrease) Amount	%
Eveleth	111,639	\$144,624	\$32,985	30%
Fairmont	264,711	439,238	174,527	66%
Falcon Heights	80,172	101,345	21,173	26%
Faribault	423,669	547,141	123,472	29%
Farmington	102,201	321,724	219,523	215% (*)
Fergus Falls	241,570	333,448	91,878	38%
Fridley	506,289	697,783	191,494	38%
Golden Valley	594,001	744,566	150,565	25%
Grand Rapids	187,288	262,676	75,388	40%
Ham Lake	207,312	275,737	68,425	33%
Hastings	267,381	350,805	83,424	31%
Hermantown	264,582	320,922	56,340	21%
Hibbing	696,509	980,603	284,094	41%
Hopkins	225,188	422,744	197,556	88%
Hutchinson	208,427	338,073	129,646	62%
International Falls	150,556	199,946	49,390	33%
Inver Grove Heights	462,516	534,705	72,189	16%
Lake Elmo	142,610	176,395	33,785	24%
Lakeville	531,690	712,270	180,580	34%
Lino Lakes	277,675	336,026	58,351	21%
Litchfield	177,472	213,534	36,062	20%
Little Canada	157,160	229,845	72,685	46%
Little Falls	202,838	250,954	48,116	24%
Mankato	530,318	717,870	187,552	35%
Maple Grove	994,028	1,208,049	214,021	22%
Maplewood	603,217	407,230	(195,987)	-32% (**)
Marshall	237,277	289,464	52,187	22%
Mendota Heights	204,369	250,388	46,019	23%
Minneapolis	8,441,748	10,867,502	2,425,754	29%
Minnetonka	799,660	1,076,973	277,313	35%
Montevideo	159,352	212,748	53,396	34%
Moorhead	698,756	860,624	161,868	23%
Morris	164,854	195,294	30,440	18%
Mound	191,025	232,826	41,801	22%
Mounds View	205,710	257,005	51,295	25%
New Brighton	352,447	424,666	72,219	20%
New Hope	323,113	448,225	125,112	39%
New Ulm	291,549	410,727	119,178	41%
Northfield	333,557	400,967	67,410	20%
North Mankato	204,587	263,409	58,822	29%
North St. Paul	227,851	278,355	50,504	22%
Oakdale	289,763	354,549	64,786	22%

Municipality	1988 Total Allotment	1989 Total Allotment	Increase (Decrease) Amount	%
Orono	191,527	253,182	\$61,655	32%
Owatonna	449,578	567,590	118,012	26%
Plymouth	790,460	1,007,300	216,840	27%
Prior Lake	252,438	324,461	72,023	29%
Ramsey	390,221	487,618	97,397	25%
Red Wing	523,710	690,354	166,644	32%
Redwood Falls	131,927	161,422	29,495	22%
Richfield	624,374	805,349	180,975	29%
Robbinsdale	196,303	277,356	81,053	41%
Rochester	1,242,959	1,546,523	303,564	24%
Rosemount	262,761	308,999	46,238	18%
Roseville	1,011,126	1,244,900	233,774	23%
St. Anthony	106,150	163,601	57,451	54%
St. Cloud	1,101,295	1,373,432	272,137	25%
St. Louis Park	766,309	1,260,743	494,434	65%
St. Paul	6,551,809	8,507,400	1,955,591	30%
St. Peter	161,294	199,289	37,995	24%
Sauk Rapids	169,419	216,249	46,830	28%
Savage	224,348	276,482	52,134	23%
Shakopee	176,563	376,653	200,090	113% (***)
Shoreview	282,778	355,086	72,308	26%
South St. Paul	362,216	493,276	131,060	36%
Spring Lake Park	111,306	142,650	31,344	28%
Stillwater	314,647	369,511	54,864	17%
Thief River Falls	227,939	281,647	53,708	24%
Vadnais Heights	97,181	114,302	17,121	18%
Virginia	222,850	279,385	56,535	25%
Waseca	139,487	185,806	46,319	33%
West St. Paul	214,274	419,894	205,620	96% (***)
White Bear Lake	542,599	682,455	139,856	26%
Willmar	322,801	406,988	84,187	26%
Winona	500,611	628,856	128,245	26%
Woodbury	599,112	781,797	182,685	30%
Worthington	214,350	309,153	94,803	44%
TOTAL	\$58,381,022	\$76,501,442	\$18,120,420	31%

(*) Farmington - needs for the 1988 apportionment were based at the rate per mile of the lowest city.

(**) Maplewood - 1988 negative needs adjustment for an excess unencumbered fund balance lowered the 1989 apportionment.

(***) West St. Paul & Shakopee - 1987 negative screening board needs adjustment lowered the 1988 apportionment.

M.S.A.S. Mileage, Needs and Apportionment 1958 to 1989

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

Reference

Material

October 19, 1988

Leonard W. Levine, Commissioner
Minnesota Department of Transportation
Room 411
State Transportation Building
St. Paul, Minnesota 55155


Dear Commissioner Levine:

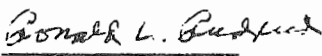
We, the undersigned, as members of the 1988 Municipal Screening Board, having reviewed all information available in relation to the 25 year money needs of the Municipal State Aid Street System, do hereby submit our findings as required by Minnesota Statutes.

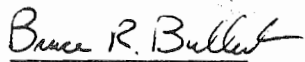
We recommend that these findings be modified as required by Screening Board Resolutions, and that any new municipalities that become eligible for for State Aid by special census, incorporation or annexation have their mileage and resulting money needs established and included in our findings.

This Board, therefore, recommends that the money needs, as listed on the attached, be modified as required and used as the basis for apportioning to the urban municipalities the 1989 Apportionment Sum as provided by Minnesota Statutes, Chapter 162.13, Subdivision 1.

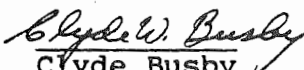
Respectfully submitted,

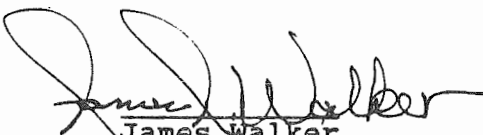

Fred Moore
Chairman

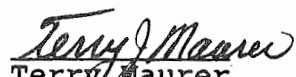

Ronald Rudrud
Vice Chairman

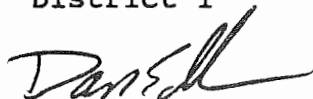

Bruce Bullert
Secretary

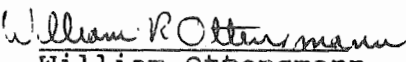
Approved:

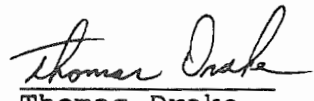

Clyde Busby
District 1

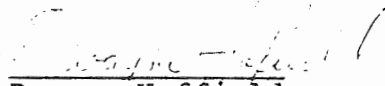

James Walker
District 2

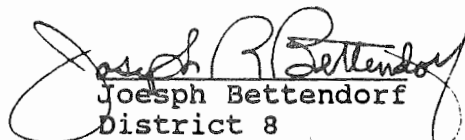

Terry Maurer
District 3

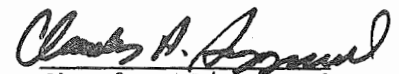

Dan Edwards
District 4

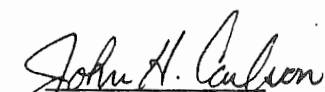

William Ottensmann
District 5



Thomas Drake
District 6

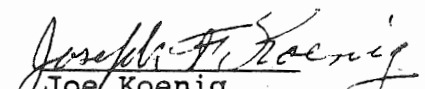

Dwayne Haffield
District 7


Joseph Bettendorf
District 8


Charles Siggerud
District 9


John Carlson
Duluth


Marvin Hoshaw
Minneapolis


Joe Koenig
St. Paul

Attachment: Money Needs Listing

1988 Money Needs Recommendations

Municipality	Money Needs	Municipality	Money Needs
Albert Lea	\$3,862,177	Faribault	4,547,423
Alexandria	2,039,510	Farmington	3,757,769
Andover	5,400,523	Fergus Falls	2,405,597
Anoka	2,664,441	Fridley	4,308,513
Apple Valley	4,445,728	Golden Valley	5,968,995
Arden Hills	1,159,211	Grand Rapids	2,027,109
Austin	6,036,508	Ham Lake	2,541,948
Bemidji	2,423,771	Hastings	2,119,969
Blaine	5,330,054	Hermantown	3,973,497
Bloomington	15,836,215	Hibbing	9,883,172
Brainerd	2,258,879	Hopkins	3,342,120
Brooklyn Center	5,135,012	Hutchinson	2,539,801
Brooklyn Park	6,778,207	International Falls	1,937,125
Buffalo	3,092,281	Inver Grove Heights	3,616,093
Burnsville	5,828,499	Lake Elmo	1,869,463
Champlin	1,640,985	Lakeville	8,794,678
Chanhassen	3,787,396	Lino Lakes	3,723,193
Chaska	2,641,661	Litchfield	1,987,668
Chisholm	1,838,187	Little Canada	1,349,811
Cloquet	6,510,759	Little Falls	2,487,660
Columbia Heights	1,726,448	Mankato	5,080,834
Coon Rapids	6,855,603	Maple Grove	11,341,806
Cottage Grove	5,255,406	Maplewood	6,218,939
Crookston	3,090,282	Marshall	1,834,811
Crystal	4,510,908	Mendota Heights	1,850,092
Detroit Lakes	1,366,330	Minneapolis	79,756,059
Duluth	24,556,336	Minnetonka	12,338,710
Eagan	7,389,651	Montevideo	1,879,436
East Bethel	3,032,377	Moorhead	6,505,093
East Grand Forks	2,098,248	Morris	1,845,569
Eden Prairie	9,443,402	Mound	1,416,657
Edina	6,998,823	Mounds View	1,292,495
Elk River	5,104,597	New Brighton	2,995,714
Eveleth	1,067,900	New Hope	2,076,493
Fairmont	4,255,651	New Ulm	3,064,388
Falcon Heights	388,972	Northfield	3,742,706

Municipality	Money Needs
North Mankato	1,249,194
North St. Paul	2,078,322
Oakdale	2,668,270
Orono	2,365,771
Owatonna	4,792,508
Plymouth	8,218,333
Prior Lake	3,139,731
Ramsey	5,174,563
Red Wing	5,951,101
Redwood Falls	1,394,483
Richfield	3,369,179
Robbinsdale	1,096,171
Rochester	11,317,802
Rosemount	3,536,696
Roseville	4,286,173
St. Anthony	855,433
St. Cloud	8,342,712
St. Louis Park	10,373,408
St. Paul	63,416,998
St. Peter	1,268,444
Sauk Rapids	2,053,148
Savage	2,815,979
Shakopee	3,574,715
Shoreview	2,014,003
South St. Paul	2,595,449
Spring Lake Park	895,672
Stillwater	2,938,266
Thief River Falls	2,589,064
Vadnais Heights	861,446
Virginia	1,859,640
Waseca	925,074
West St. Paul	2,570,932
White Bear Lake	5,158,343
Willmar	3,241,814
Winona	3,682,286
Woodbury	9,258,738
Worthington	2,513,964
STATE TOTAL	586,716,169

1989 MUNICIPAL STATE AID APPORTIONMENT DATA

Determination of the 1988 Construction Needs

Municipality	1988 Actual 25-Year Const. Needs	(+ or -) Screening Board Adjustment	+ Storm Sewer Adjustment	Unencumbered Const. Fund Deduction	(-) Expend. Off State Aid System	(+ or -) Bond Account Adjustment	+ Non- Existing Bridge Adjustment	+ R/W Acquisition Adjustment	+ Recon- struction Adjustment	Adjusted 25-Year Const. Needs
Albert Lea **	\$3,862,177	(\$33,865)	--	(\$398,610)	(247,705)	--	\$245,320	--	--	\$3,427,317
Alexandria	2,039,510		41,257	(156,375)	--	--	--	--	--	1,924,392
Andover	5,400,523		19,426	(167,553)	(113,955)	183,350	--	--	--	5,321,791
Anoka	2,664,441		278,076	(298,904)	(153,341)	(70,000)	--	28,974	--	2,449,246
Apple Valley	4,445,728		63,491	(925,975)	--	810,000	--	--	--	4,393,244
Arden Hills	1,159,211		125,200	--	(80,983)	--	--	--	--	1,203,428
Austin	6,036,508		--	(377,948)	(704,123)	--	--	--	\$310,969	5,265,406
Bemidji	2,423,771		131,305	(245,693)	(152,964)	--	--	--	--	2,156,419
Blaine	5,330,054		315,351	(510,822)	(226,333)	--	--	--	--	4,908,250
Bloomington	15,836,215		150,772	(1,087,030)	(2,457,780)	--	1,255,688	832,491	--	14,530,356
Brainerd	2,258,879		221,028	--	(40,806)	575,000	576,113	--	185,035	3,775,249
Brooklyn Center	5,135,012		35,520	(929,295)	(38,893)	240,000	197,709	--	--	4,640,053
Brooklyn Park	6,778,207		195,589	(132,961)	(8,274)	--	--	--	--	6,832,561
Buffalo	3,092,281		--	--	--	--	--	--	--	3,092,281
Burnsville	5,828,499		1,270,387	--	(13,763)	--	349,684	470,847	1,053,559	8,959,213
Champlin	1,640,985		--	--	(15,512)	--	--	--	--	1,625,473
Chanhassen	3,787,396		121,677	(107,500)	--	--	--	--	--	3,801,573
Chaska	2,641,661		31,784	(502,946)	(411,966)	--	28,800	82,566	--	1,869,899
Chisholm	1,838,187		15,159	--	(32,143)	--	--	--	--	1,821,203
Cloquet	6,510,759		322,239	(185,421)	--	--	--	73,539	--	6,721,116
Columbia Heights **	1,726,448	(50,692)	27,044	(331,736)	(30,000)	--	--	30,500	--	1,371,564
Coon Rapids	6,855,603		774,086	--	(471,523)	--	--	127,362	--	7,285,528
Cottage Grove	5,255,406		81,941	--	--	(128,814)	--	--	--	5,208,533
Crookston	3,090,282		--	(92,856)	--	--	--	1,108,538	--	4,105,964
Crystal	4,510,908		304,624	--	(31,134)	213,987	--	3,000,296	--	7,998,681
Detroit Lakes	1,366,330		59,866	(55,618)	--	--	--	--	--	1,370,578
Duluth	24,556,336		725,232	--	(32,450)	722,500	--	175,250	1,624,554	27,771,422

Municipality	1988 Actual 25-Year Const. Needs	(+ or -) Screening Board Adjustments	+ Storm Sewer Adjustment	Unencumbered Const. Fund Deduction	(-) Expend. Off State Aid System	(+ or -) Bond Account Adjustment	+ Non- Existing Bridge Adjustment	+ R/W Acquisition Adjustment	+ Recon- struction Adjustment	Adjusted 25-Year Const. Needs
Eagan	7,389,651		311,403	(247,948)	(6,235)	221,183	--	271,918	--	7,939,972
East Bethel	3,032,377		4,736	--	--	--	--	14,000	--	3,051,113
East Grand Forks	2,098,248		219,968	(392,010)	--	120,000	--	--	--	2,046,206
Eden Prairie	9,443,402		--	--	(278,447)	520,613	974,299	--	--	10,659,867
Edina	6,998,823		111,576	(1,212,455)	(1,088,398)	--	--	--	--	4,809,546
Elk River **	5,104,597	(112,281)	103,297	--	--	--	--	--	--	5,095,613
Eveleth	1,067,900		20,331	--	(33,271)	--	--	--	--	1,054,960
Fairmont **	4,255,651	(28,035)	103,010	(244,365)	--	--	--	1,825	--	4,088,086
Falcon Heights	388,972		--	(29,891)	--	(27,988)	--	--	--	331,093
Faribault	4,547,423		44,800	--	(70,369)	125,000	--	2,346	--	4,649,200
Farmington	3,757,769		--	--	--	--	--	--	--	3,757,769
Fergus Falls	2,405,597		--	(133,343)	(128,635)	--	--	67,200	--	2,210,819
Fridley	4,308,513		90,957	(626,127)	(59,491)	--	--	5,853	--	3,719,705
Golden Valley	5,968,995		392,134	(1,331,446)	--	--	--	1,140,625	--	6,170,308
Grand Rapids	2,027,109		--	(410,737)	--	30,000	553,858	--	--	2,200,230
Ham Lake	2,541,948		--	(177,018)	--	60,000	--	--	--	2,424,930
Hastings **	2,119,969	(25,698)	170,309	--	(201,463)	--	233,038	17,620	--	2,313,775
Hermantown	3,973,497		--	(627,762)	--	--	--	23,750	--	3,369,485
Hibbing	9,883,172		22,707	--	--	248,867	--	15,500	--	10,170,246
Hopkins **	3,342,120	(9,634)	9,499	--	(397,105)	--	--	--	--	2,944,880
Hutchinson	2,539,801		--	(75,329)	--	--	570,793	--	--	3,035,265
International Falls	1,937,125		--	(176,809)	--	--	--	--	--	1,760,316
Inver Grove Heights	3,616,093		111,735	--	(103,772)	--	--	617,797	--	4,241,853
Lake Elmo	1,869,463		--	(404,223)	--	--	--	19,706	--	1,484,946
Lakeville	8,794,678		83,454	(333,832)	(1,016,864)	--	--	--	--	7,527,436
Lino Lakes	3,723,193		85,929	--	--	--	--	64,950	--	3,874,072
Litchfield	1,987,668		355,205	(357,945)	(69,612)	--	--	--	--	1,915,316
Little Canada	1,349,811		166,020	--	--	329,033	--	43,300	--	1,888,164
Little Falls	2,487,660		46,437	(355,432)	--	--	--	--	--	2,178,665
Mankato	5,080,834		159,039	(91,713)	(1,387,240)	--	--	323,285	--	4,084,205

Municipality	1988 Actual 25-Year Const. Needs	(+ or -) Screening Board Adjustments	+ Storm Sewer Adjustment	Unencumbered Const. Fund Deduction	(-) Expend. Off State Aid System	(+ or -) Bond Account Adjustment	+ Non- Existing Bridge Adjustment	+ R/W Acquisition Adjustment	+ Recon- struction Adjustment	Adjusted 25-Year Const. Needs
Maple Grove	11,341,806		542,249	--	(12,602)	--	--	50,038	--	11,921,491
Maplewood *	6,218,939	(4,889,964)	--	(2,444,982)	--	--	664,966	--	--	0
Marshall	1,834,811		22,101	(40,278)	(12,703)	--	--	58,320	--	1,862,251
Mendota Heights	1,850,092		24,848	(12,898)	(7,351)	225,000	--	--	81,436	2,161,127
Minneapolis	79,756,059		1,415,173	(7,574,293)	(1,822,256)	--	1,493,191	6,657,518	1,187,517	81,112,909
Minnetonka	12,338,710		9,499	(793,799)	(4,725,176)	--	--	762,859	--	7,592,093
Montevideo	1,879,436		28,890	--	--	--	--	--	--	1,908,326
Moorhead	6,505,093		50,040	(490,849)	--	--	7,530	21,000	186,397	6,279,211
Morris	1,845,569		81,702	--	(187,625)	--	--	15,476	--	1,755,122
Mound	1,416,657		22,358	--	(118,155)	--	--	107,446	--	1,428,306
Mounds View	1,292,495		58,444	(58,916)	(260,896)	--	--	--	--	1,031,127
New Brighton	2,995,714		42,051	(936,981)	(968,418)	--	--	--	--	1,132,366
New Hope **	2,076,493	(686)	42,096	(523,218)	(57,468)	--	--	--	--	1,537,217
New Ulm	3,064,388		191,074	(128,407)	--	--	--	--	--	3,127,055
Northfield	3,742,706		85,679	(361,748)	(195,773)	(57,582)	--	8,850	31,743	3,253,875
North Mankato	1,249,194		186,024	--	(22,792)	(55,000)	--	395,146	--	1,752,572
North St. Paul	2,078,322		14,061	(576,650)	--	--	--	--	--	1,515,733
Oakdale	2,668,270		160,201	(187,020)	--	--	--	--	--	2,641,451
Orono	2,365,771		--	--	(28,516)	(30,253)	--	--	--	2,307,002
Owatonna	4,792,508		64,275	(206,699)	(356,186)	--	--	113,638	--	4,407,536
Plymouth	8,218,333		71,758	(136,382)	(37,837)	--	--	45,208	--	8,161,080
Prior Lake	3,139,731		161,177	(612,350)	--	--	--	--	--	2,688,558
Ramsey	5,174,563		122,350	(226,085)	--	--	--	89,911	--	5,160,739
Red Wing	5,951,101		54,790	(43,096)	--	250,000	1,145,475	76,176	--	7,434,446
Redwood Falls	1,394,483		--	--	--	(120,000)	--	--	--	1,274,483
Richfield	3,369,179		46,951	(1,216,050)	(35,576)	--	--	1,440,531	--	3,605,035
Robbinsdale	1,096,171		64,873	(115,997)	(125,441)	--	--	--	--	919,606
Rochester **	11,317,802	(41,452)	521,290	(2,272,790)	(43,384)	--	84,378	773,111	--	10,338,955
Rosemount	3,536,696		85,452	--	(46,989)	--	--	--	--	3,575,159
Roseville	4,286,173		202,398	--	--	2,155,000	2,814,714	1,383,005	--	10,841,290

Municipality	1988 Actual 25-Year Const. Needs	(+ or -) Screening Board Adjustments	+ Storm Sewer Adjustment	Unencumbered Const. Fund Deduction	(-) Expend. Off State Aid System	(+ or -) Bond Account Adjustment	+ Non- Existing Bridge Adjustment	+ R/W Acquisition Adjustment	+ Recon- struction Adjustment	Adjusted 25-Year Const. Needs
St. Anthony	855,433		39,301	(5,405)	(224,764)	--	--	--	--	664,565
St. Cloud **	8,342,712	(186,410)	939,550	--	(325,213)	1,676,139	--	785,823	--	11,232,601
St. Louis Park	10,373,408		--	(1,155,194)	(1,490,704)	--	1,356,666	349,716	--	9,433,892
St. Paul	63,416,998		7,932,148	(5,877,260)	(2,935,299)	614,631	1,221,432	2,521,732	1,284,767	68,179,149
St. Peter	1,268,444		88,645	(392,894)	--	--	--	--	--	964,195
Sauk Rapids	2,053,148		44,224	--	(135,926)	--	--	9,834	--	1,971,280
Savage	2,815,979		222,984	--	--	--	--	--	--	3,038,963
Shakopee	3,574,715		23,492	--	(109,897)	--	--	--	--	3,488,310
Shoreview	2,014,003		16,445	(512,169)	(70,685)	--	--	--	--	1,447,594
South St. Paul	2,595,449		112,477	(45,199)	(2,139)	--	--	--	--	2,660,588
Spring Lake Park	895,672		--	(207,864)	(7,532)	11,107	--	--	--	691,383
Stillwater	2,938,266		179,053	(388,668)	(8,993)	--	--	104,442	--	2,824,100
Thief River Falls	2,589,064		29,506	--	(400,557)	--	--	2,269	--	2,220,282
Vadnais Heights	861,446		25,761	(314,917)	--	--	--	--	--	572,290
Virginia	1,859,640		33,107	(296,902)	(38,403)	175,000	--	--	--	1,732,442
Waseca	925,074		23,639	(2,685)	--	--	--	5,000	--	951,028
West St. Paul	2,570,932		47,879	(268,752)	(190,000)	--	--	--	--	2,160,059
White Bear Lake	5,158,343		175,997	(74,984)	(167,468)	--	--	177,573	--	5,269,461
Willmar	3,241,814		69,368	(510,802)	(324,601)	--	--	22,500	--	2,498,279
Winona	3,682,286		83,668	(250,023)	--	--	--	340,950	--	3,856,881
Woodbury	9,258,738		14,224	(709,983)	(71,559)	40,853	--	80,054	--	8,612,327
Worthington	2,513,964		20,078	(150,424)	(31,113)	--	--	26,842	--	2,379,347
STATE TOTAL	\$586,716,169	(\$5,378,717)	\$22,416,950	(\$43,859,242)	(\$25,704,547)	\$9,057,626	\$13,773,654	\$24,985,006	\$5,945,977	\$588,403,918

* SCREENING BOARD ADJUSTMENT - UNENCUMBERED CONSTRUCTION FUND ADJUSTMENT.

MAPLEWOOD \$451,041 NEGATIVE ADJUSTED MONEY NEEDS - ADJUSTED CONSTRUCTION NEEDS CANNOT BE LESS THAN ZERO.

** SCREENING BOARD ADJUSTMENT - VARIANCE ADJUSTMENT

VARIANCES

Variance Period - November 1987 thru June 1988.

During this period 14 city variances were acted upon, 13 were approved 1 partially and is being contested. Adjustments are made on variances that a hold harmless resolution was received.

The resolution states:

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 or the proportional difference between average past 15 years of base and surface needs received and the granted variance times fifteen (Documentation furnished by the City). This would be a one-year adjustment to the 25 year needs.

APPROVED VARIANCES THAT DO NOT REQUIRE A NEEDS ADJUSTMENT:

Andover (No. 88-24)

Petition for a variance from minimum design standards so as to permit a substandard design speed curve instead of a 30 M.P.H. design speed curve on a construction project on MSAS 103 (Wood Lake Drive) from Hanson Blvd. to a point 1/2 mile east of Hanson Blvd. Variance for Project 198-103-02.

Cloquet (No. 88-21)

Petition for a variance from minimum right of way standards so as to permit a right of way width of 55 feet instead of the required right of way width of 60 feet for a construction project on MSAS 116 (18th Street) from Avenue "B" to Carlton Avenue. Variance for project 112-116-01.

Columbia Heights (No. 88-3)

Petition for a variance from design standards so as to permit design speeds of 29.7 M.P.H. 23.3 M.P.H. 28.6 M.P.H. and 28.0 M.P.H. instead of the required design speed of 30 M.P.H. on a rehabilitation project on 37th Avenue N.E. (MSAS 101) between Central Avenue and Johnson Street N.E. Variance for Project 113-101-04 and 141-272-06.

Grand Rapids (No. 88-9)

Petition for a variance from design standards so as to permit a street width of 64' with parking permitted instead of the required street width of 68' with parking permitted on a construction project on Pokegama Avenue (MSAS 106) from Fourth Street N. to 5th Street N. Segment 106-010. Only additional surfacing needs received for a 58' Street. Variance for Project 129-106-02.

Minneapolis (No. 88-1)

Petition for a variance from design standards so as to permit a street width of 61' (two way traffic) instead of the previously approved variance for a 57' to 60' (one way traffic) street on a reconstruction project on Hennepin Avenue from Eleventh Street to Twelfth Street. Not on a MSAS Route.

Minneapolis (NO. 88-2)

Petition for a variance from design standards so as to permit a design speed of 25 M.P.H. instead of the required 30 M.P.H. on a reconstruction project on 2nd Avenue South (MSAS 210) from Marquette Avenue to 12th Street South. Variance for project no. 141-210-09.

VARIANCES THAT REQUIRE A NEEDS ADJUSTMENT

Elk River (No. 87-44)

Petition for a variance from design standards so as to permit 45 degree diagonal parking with a traffic aisle of 22.2' instead of the required traffic aisle width of 25.2' on a reconstruction project on MSAS 113 (Main Street) from County Road 42 to Lowell Street. Variance for .22 mile.

Segment 113-040

Base \$ 55,820
Bit. 59,050
 \$114,870 needs for .61 miles

$\frac{.14}{.61}$ variance portion
needs segment $\times \$114,870 = \$26,363.61$

Segment 113-050

Base \$ 8,514
Bit. 11,553
 \$20,067

	\$26,364	Segment 113-040
	<u>20,067</u>	Segment 113-050
Total	\$46,431	

$\$46,431 \times \frac{3}{25.2} \times 15 = \$82,913$ Adjustment

Elk River (No. 87-48)

Petition for a variance from design standards so as to permit 45 degree diagonal parking with a traffic aisle of 22.2' instead of the required traffic aisle of 25.2' on a reconstruction project on M.S.A.S. 104 (Jackson Avenue) from M.S.A.S. 113 (Main Street) to Jct. T.H. 10 and T.H. 201.

Segment 104-010

Base	\$ 7,802
Bit.	8,644
	<u>\$16,446</u>

$\$ 16,446 \times \frac{3}{25.2} \times 15 = \$ 29,368$ Adjustment

Fairmont (No 88-7)

Petition for a variance from design standards so as to permit a street width of 44' with parking permitted instead of the required street width of 48' with parking permitted on a reconstruction project on Albion Avenue (M.S.A.S. 107) from Cedar Street to Webster Street. Variance for project No. 123-107-05.

Segment 107-030 (.07) only additional surfacing received.

Segment 107-040 12' widening received for a 44' street.

Base	\$ 14,453			
Bit.	7,975			
	<u>\$ 22,428</u>	$\times \frac{4}{48}$	$\times 15$	$= \$ 28,035$ Adjustment

Hastings (No. 88-13)

Petition for a variance from design standards so as to permit a street width of 40' with parking permitted instead of the required width of 44' with parking permitted. The construction project is on 15th Street M.S.A.S. 128) from Ashland Avenue to Westview Drive.

Segment 128-020 4' grade widening needs received for a 44' street

Base	\$ 2,776
Bit.	2,550
	<u>\$ 5,326</u>

Segment 128-030 4' grade widening needs received for a 44' street

Base	\$ 7,044
Bit.	6,475
	<u>\$13,519</u>

	\$ 5,326			
	13,519			
Total	<u>\$18,845</u>	$\times \frac{4}{44}$	$\times 15$	$= \$ 25,698$ Adjustment

New Hope (No.88-22)

Petition for a variance from minimum design standards so as to permit a street width of 50' with no parking permitted and tapering to a street width of 44 feet instead of the required street width of 52 feet on a construction project on M.S.A.S. 106 (36th Avenue) from a point approximately 500' east of Jordan Avenue. Variance for project No. 183-106-06.

Segment 106-010

Base \$1,795

Bit 1,375

\$3,170

$$\times \frac{.06}{.16} \times \frac{2}{52} \times 15 = \$686.00 \text{ Adjustment}$$

(Needs received 4' grade widening for a 44' roadway)

Segment 106-020

No adjustment - only additional surfacing received.

St. Cloud (No. 88-5)

Petition for a variance from design standards so as to permit a street width of 44' with parking permitted instead of the required street width of 48' with parking permitted on a reconstruction project on 33rd Avenue North (M.S.A.S. 121) from 8th Street North to 12th Street North.

Segment 121-030

Base \$ 70,673

Bit. 78,455

\$149,128

$$\times \frac{4}{48} \times 15 = \$186,410 \text{ Adjustment}$$

(Needs received for 48' Street.)

City of **ROCHESTER**
— Minnesota 55901 —



August 16, 1988

Mr. Ken Strauss
Municipal State Aid Needs
Office of State Aid, Room 420
Transportation Building
St. Paul, Minnesota 55155

RE: Needs Adjustment for Elton Hills Drive
Segment 159-133-010

Dear Mr. Strauss:

We have calculated the money needs adjustment for Elton Hills Drive based on the two methods approved by the Municipal Screening Committee.

1. Minimum Standards Method

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"

Base	373,697
Surface	<u>257,612</u>
	\$631,309

Adjustment: $631,309 \times \frac{12}{72} \times 15 = \$1,578,272$

2. Base and Surface Needs Received Method

"The adjustment for width variances will be based on the proportioned difference between the average past 15 years of base and surface needs received and the granted variances times fifteen"

- a. The base and surface needs received were for a 62 foot wide street, parking on one side.
- b. The needs were received for a two year period, years 1986 and 1987.

	<u>1986</u>	<u>1987</u>	<u>Total</u>
Base	373,697	396,106	769,803
Surface	<u>257,612</u>	<u>257,612</u>	<u>515,224</u>
Totals	631,309	653,718	1,285,027

Average of Past 15 Years: 1,285,027 divided by 15 = 85,668

Adjustment: $\$85,668 \times \frac{2}{62} \times 15 = \$41,452$

We recommend that the needs adjustment be based on base and surface needs received method and that the total adjustment be \$41,452.

Attached are copies of the needs sheets for segment 133-010 for years 1986 and 1987.

Very truly yours,



Roger E. Plumb
Director of Public Services

NEEDS ADJUSTMENT FOR STORM SEWER CONSTRUCTION

(For reference, see Storm Sewer Resolution)

MUNICIPALITY	1984-1986	1987	TOTAL NEEDS
	EXPENDITURES FOR THE 1988 APPORT.		FOR 1989 APPORTIONMENT ADJUSTMENT
	(+)	(=)	
Albert Lea	0	0	0
Alexandria	41,257	0	41,257
Andover	0	19,426	19,426
Anoka	278,076	0	278,076
Apple Valley	63,491	0	63,491
Arden Hills	125,200	0	125,200
Austin	0	0	0
Bemidji	131,305	0	131,305
Blaine	221,318	94,033	315,351
Bloomington	110,809	39,963	150,772
Brainerd	221,028	0	221,028
Brooklyn Center	0	35,520	35,520
Brooklyn Park	86,343	109,246	195,589
Burnsville	816,462	453,925	1,270,387
Champlin	0	0	0
Chanhassen	121,677	0	121,677
Chaska	31,784	0	31,784
Chisholm	0	15,159	15,159
Cloquet	322,239	0	322,239
Columbia Heights	27,044	0	27,044
Coon Rapids	448,966	325,120	774,086
Cottage Grove	81,941	0	81,941
Crookston	0	0	0
Crystal	304,624	0	304,624
Detroit Lakes	59,866	0	59,866
Duluth	414,493	310,739	725,232
Eagan	311,403	0	311,403
East Bethel	0	4,736	4,736
East Grand Forks	219,968	0	219,968
Eden Prairie	0	0	0
Edina	65,204	46,372	111,576
Elk River	26,925	76,372	103,297
Eveleth	0	20,331	20,331
Fairmont	45,657	57,353	103,010
Falcon Heights	0	0	0
Faribault	44,800	0	44,800
Fergus Falls	0	0	0
Fridley	90,957	0	90,957
Golden Valley	386,138	5,996	392,134
Grand Rapids	0	0	0
Ham Lake	0	0	0
Hastings	170,309	0	170,309
Hermantown	0	0	0
Hibbing	0	22,707	22,707
Hopkins	9,499	0	9,499
Hutchinson	0	0	0
International Falls	0	0	0
Inver Grove Heights	111,735	0	111,735
Lake Elmo	0	0	0

Lakeville	83,454	0	83,454
Lino Lakes	77,977	7,952	85,929
Litchfield	355,205	0	355,205
Little Canada	0	166,020	166,020
Little Falls	0	46,437	46,437
Mankato	85,030	74,009	159,039
Maple Grove	427,642	114,607	542,249
Maplewood	0	0	0
Marshall	22,101	0	22,101
Mendota Heights	24,848	0	24,848
Minneapolis	981,019	434,154	1,415,173
Minnetonka	9,499	0	9,499
Montevideo	0	28,890	28,890
Moorhead	50,040	0	50,040
Morris	0	81,702	81,702
Mound	22,358	0	22,358
Mounds View	58,444	0	58,444
New Brighton	42,051	0	42,051
New Hope	42,096	0	42,096
New Ulm	191,074	0	191,074
Northfield	85,679	0	85,679
North Mankato	186,024	0	186,024
North St. Paul	0	14,061	14,061
Oakdale	160,201	0	160,201
Orono	0	0	0
Owatonna	64,275	0	64,275
Plymouth	0	71,758	71,758
Prior Lake	161,177	0	161,177
Ramsey	96,375	25,975	122,350
Red Wing	54,790	0	54,790
Redwood Falls	0	0	0
Richfield	46,951	0	46,951
Robbinsdale	0	64,873	64,873
Rochester	521,290	0	521,290
Rosemount	85,452	0	85,452
Roseville	202,398	0	202,398
St. Anthony	39,301	0	39,301
St. Cloud	553,943	385,607	939,550
St. Louis Park	0	0	0
St. Paul	5,268,888	2,663,260	7,932,148
St. Peter	88,645	0	88,645
Sauk Rapids	44,224	0	44,224
Savage	0	222,984	222,984
Shakopee	0	23,492	23,492
Shoreview	16,445	0	16,445
South St. Paul	112,477	0	112,477
Spring Lake Park	0	0	0
Stillwater	84,848	94,205	179,053
Thief River Falls	0	29,506	29,506
Vadnais Heights	25,761	0	25,761
Virginia	33,107	0	33,107
Waseca	23,639	0	23,639
West St. Paul	0	47,879	47,879
White Bear Lake	135,554	40,443	175,997
Willmar	69,368	0	69,368
Winona	48,766	34,902	83,668
Woodbury	14,224	0	14,224
Worthington	20,078	0	20,078
TOTAL	16,107,236	6,309,714	22,416,950

UNENCUMBERED CONSTRUCTION FUND BALANCE

(Amount as of September 1, 1988)

Municipality	A ----- Amount Available 9-1-88	B ----- 1988 Construction Allotment	C ----- Construction Fund Balance	D ----- Column C ----- Column B
Albert Lea	\$760,128	\$361,518	\$398,610	1.10
Alexandria	329,718	173,343	156,375	0.90
Andover	417,598	250,045	167,553	0.67
Anoka	604,999	306,095	298,904	0.98
Apple Valley	1,429,822	503,847	925,975	1.84
Arden Hills	--	144,722	--	0.00
Austin	890,881	512,933	377,948	0.74
Bemidji	473,536	227,843	245,693	1.08
Blaine	1,149,642	638,820	510,822	0.80
Bloomington	2,413,686	1,326,656	1,087,030	0.82
Brainerd	249,391	278,375	--	0.00
Brooklyn Center	1,510,314	581,019	929,295	1.60
Brooklyn Park	940,846	807,885	132,961	0.16
Buffalo	--	--	--	0.00
Burnsville	206,895	824,153	--	0.00
Champlin	92,885	173,088	--	0.00
Chanhassen	355,949	248,449	107,500	0.43
Chaska	689,917	186,971	502,946	2.69
Chisholm	--	139,293	--	0.00
Cloquet	614,228	428,807	185,421	0.43
Columbia Heights	550,620	218,884	331,736	1.52
Coon Rapids	109,573	699,430	--	0.00
Cottage Grove	271,426	425,416	--	0.00
Crookston	347,287	254,431	92,856	0.36
Crystal	495,475	601,152	--	0.00
Detroit Lakes	203,563	147,945	55,618	0.38
Duluth	1,670,513	1,941,281	--	0.00
Eagan	962,446	714,498	247,948	0.35
East Bethel	43,405	193,801	--	0.00
East Grand Forks	585,880	193,870	392,010	2.02
Eden Prairie	--	682,779	--	0.00
Edina	1,881,976	669,521	1,212,455	1.81
Elk River	--	241,915	--	0.00
Eveleth	--	102,669	--	0.00
Fairmont	483,801	239,436	244,365	1.02
Falcon Heights	106,253	76,362	29,891	0.39

Municipality	A ----- Amount Available 9-1-88	B ----- 1988 Construction Allotment	C ----- Construction Fund Balance	D ----- Column C ----- Column B
Faribault	290,282	317,752	--	0.00
Farmington	25,664	91,866	--	0.00
Fergus Falls	314,521	181,178	133,343	0.74
Fridley	1,005,844	379,717	626,127	1.65
Golden Valley	1,891,937	560,491	1,331,446	2.38
Grand Rapids	583,280	172,543	410,737	2.38
Ham Lake	359,745	182,727	177,018	0.97
Hastings	111,073	248,991	--	0.00
Hermantown	872,859	245,097	627,762	2.56
Hibbing	331,169	522,382	--	0.00
Hopkins	--	211,703	--	0.00
Hutchinson	269,371	194,042	75,329	0.39
International Falls	320,255	143,446	176,809	1.23
Inver Grove Heights	367,929	440,181	--	0.00
Lake Elmo	511,181	106,958	404,223	3.78
Lakeville	833,452	499,620	333,832	0.67
Lino Lakes	--	263,740	--	0.00
Litchfield	523,672	165,727	357,945	2.16
Little Canada	116,445	149,510	--	0.00
Little Falls	537,915	182,483	355,432	1.95
Mankato	587,726	496,013	91,713	0.18
Maple Grove	--	758,028	--	0.00
Maplewood	3,030,004	585,022	2,444,982	4.18
Marshall	262,945	222,667	40,278	0.18
Mendota Heights	202,912	190,014	12,898	0.07
Minneapolis	13,905,604	6,331,311	7,574,293	1.20
Minnetonka	1,537,299	743,500	793,799	1.07
Montevideo	69,732	148,042	--	0.00
Moorhead	1,154,760	663,911	490,849	0.74
Morris	392	155,269	--	0.00
Mound	60,151	166,025	--	0.00
Mounds View	213,199	154,283	58,916	0.38
New Brighton	1,201,316	264,335	936,981	3.54
New Hope	765,553	242,335	523,218	2.16
New Ulm	400,846	272,439	128,407	0.47
Northfield	637,505	275,757	361,748	1.31
North Mankato	107,438	153,440	--	0.00
North St. Paul	794,991	218,341	576,650	2.64
Oakdale	461,108	274,088	187,020	0.68

Municipality	A ----- Amount Available 9-1-88	B ----- 1988 Construction Allotment	C ----- Construction Fund Balance	D ----- Column C ----- Column B
Orono	56,552	143,645	--	0.00
Owatonna	632,037	425,338	206,699	0.49
Plymouth	882,142	745,760	136,382	0.18
Prior Lake	855,293	242,943	612,350	2.52
Ramsey	596,206	370,121	226,085	0.61
Red Wing	435,879	392,783	43,096	0.11
Redwood Falls	--	125,447	--	0.00
Richfield	1,684,331	468,281	1,216,050	2.60
Robbinsdale	296,805	180,808	115,997	0.64
Rochester	3,460,564	1,187,774	2,272,790	1.91
Rosemount	--	253,026	--	0.00
Roseville	238,753	649,751	--	0.00
St. Anthony	103,740	98,335	5,405	0.05
St. Cloud	622,887	838,420	--	0.00
St. Louis Park	1,871,503	716,309	1,155,194	1.61
St. Paul	10,306,741	4,429,481	5,877,260	1.33
St. Peter	542,008	149,114	392,894	2.63
Sauk Rapids	88,720	158,334	--	0.00
Savage	168,261	168,261	--	0.00
Shakopee	106,606	160,663	--	0.00
Shoreview	785,452	273,283	512,169	1.87
South St. Paul	316,861	271,662	45,199	0.17
Spring Lake Park	291,344	83,480	207,864	2.49
Stillwater	686,395	297,727	388,668	1.31
Thief River Falls	50,404	212,069	--	0.00
Vadnais Heights	407,163	92,246	314,917	3.41
Virginia	502,367	205,465	296,902	1.45
Waseca	132,707	130,022	2,685	0.02
West St. Paul	465,596	196,844	268,752	1.37
White Bear Lake	481,933	406,949	74,984	0.18
Willmar	804,548	293,746	510,802	1.74
Winona	625,481	375,458	250,023	0.67
Woodbury	1,283,910	573,927	709,983	1.24
Worthington	350,074	199,650	150,424	0.75
TOTAL	\$85,635,991	\$48,609,348	\$43,859,242	0.90

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

(For Reference, See Offsystem Resolution)

MUNICIPALITY	1987 EXPEN- DITURES	1976 - 1986 EXPENDITURE (+) ADJUSTMENT	EXPIRED ADJUSTMENT(-)	1989 APPORTION- MENT ADJUSTMENT=
Albert Lea	\$67,376	\$180,329	\$	\$247,705
Alexandria	0	0		0
Andover	0	113,955		113,955
Anoka	0	153,341		153,341
Apple Valley	0	0		0
Arden Hills	0	80,983		80,983
Austin	0	704,123		704,123
Bemidji	152,964	0		152,964
Blaine	0	232,308	(5,975)	226,333
Bloomington	497,876	2,007,113	(47,209)	2,457,780
Brainerd	0	40,806		40,806
Brooklyn Center	0	38,893		38,893
Brooklyn Park	0	8,274		8,274
Burnsville	0	13,763		13,763
Champlin	0	15,512		15,512
Chanhassen	0	0		0
Chaska	58,283	353,683		411,966
Chisholm	0	32,143		32,143
Cloquet	0	0		0
Columbia Heights	0	30,000		30,000
Coon Rapids	0	471,523		471,523
Cottage Grove	0	0		0
Crookston	0	0		0
Crystal	0	182,488	(151,354)	31,134
Detroit Lakes	0	0		0
Duluth	0	132,122	(99,672)	32,450
Eagan	0	6,235		6,235
East Bethel	0	0		0
East Grand Forks	0	0		0
Eden Prairie	0	328,143	(49,696)	278,447
Edina	0	1,191,124	(102,726)	1,088,398
Elk River	0	0		0
Eveleth	21,000	12,271		33,271
Fairmont	0	0		0
Falcon Heights	0	0		0
Faribault	0	70,369		70,369
Fergus Falls	0	128,635		128,635
Fridley	0	96,815	(37,324)	59,491
Golden Valley	0	0		0
Grand Rapids	0	0		0
Ham Lake	0	0		0
Hastings	0	201,463		201,463
Hermantown	0	0		0
Hibbing	0	0		0
Hopkins	0	397,105		397,105
Hutchinson	0	0		0
International Falls	0	0		0
Inver Grove Heights	40,452	63,320		103,772
Lake Elmo	0	0		0

Lakeville	0	1,084,741	(67,877)	1,016,864
Lino Lakes	0	0		0
Litchfield	0	69,612		69,612
Little Canada	0	0		0
Little Falls	0	0		0
Mankato	40,724	1,448,765	(102,249)	1,387,240
Maple Grove	0	12,602		12,602
Maplewood	0	0		0
Marshall	0	12,703		12,703
Mendota Heights	0	7,351		7,351
Minneapolis	42,088	1,782,215	(2,047)	1,822,256
Minnetonka	83,031	4,682,820	(40,675)	4,725,176
Montevideo	0	0		0
Moorhead	0	7,017	(7,017)	0
Morris	0	187,625		187,625
Mound	0	118,155		118,155
Mounds View	260,896	0		260,896
New Brighton	274,791	693,627		968,418
New Hope	0	58,187	(719)	57,468
New Ulm	0	33,191	(33,191)	0
Northfield	195,773	0		195,773
North Mankato	22,792	0		22,792
North St. Paul	0	55,878	(55,878)	0
Oakdale	0	0		0
Orono	0	28,516		28,516
Owatonna	0	356,186		356,186
Plymouth	0	381,328	(343,491)	37,837
Prior Lake	0	0		0
Ramsey	0	0		0
Red Wing	0	0		0
Redwood Falls	0	0		0
Richfield	0	35,576		35,576
Robbinsdale	0	155,663	(30,222)	125,441
Rochester	0	43,384		43,384
Rosemount	0	46,989		46,989
Roseville	0	0		0
St. Anthony	0	224,764		224,764
St. Cloud	0	325,213		325,213
St. Louis Park	33,052	1,457,652		1,490,704
St. Paul	18,971	3,596,067	(679,739)	2,935,299
St. Peter	0	0		0
Sauk Rapids	17,233	118,693		135,926
Savage	0	0		0
Shakopee	48,643	70,346	(9,092)	109,897
Shoreview	0	120,733	(50,048)	70,685
South St. Paul	0	33,693	(31,554)	2,139
Spring Lake Park	0	7,532		7,532
Stillwater	0	8,993		8,993
Thief River Falls	0	400,557		400,557
Vadnais Heights	0	0		0
Virginia	0	38,403		38,403
Waseca	0	0		0
West St. Paul	0	190,000		190,000
White Bear Lake	0	167,468		167,468
Willmar	60,914	263,687		324,601
Winona	0	0		0
Woodbury	0	71,559		71,559
Worthington	0	31,113		31,113
TOTAL	\$1,936,859	\$25,715,443	(\$1,947,755)	\$25,704,547

Unamortized Bond Account Balance

(Amount as of December 31, 1987)

(For Reference, see Bond Adjustment Resolution)

(For Computations)

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

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

Municipality	Date of Issue	Amount of Issue	Unamortized Bond Balance	Total Disbursements and Obligations to December 31, 1987	Unencumbered Bond Balance Available	Off System Disbursement	Bond Account Adjustment
Alexandria	8-1-70	\$175,000	\$0	\$175,000	\$0		\$0
Andover	9-1-84	510,000	360,000	333,350	176,650		183,350
Anoka	7-1-86	985,000	915,000	0	985,000		(70,000)
Apple Valley	4-1-71	250,000	50,000	250,000	0		50,000
Apple Valley	12-1-74	100,000	40,000	100,000	0		40,000
Apple Valley	8-1-79	875,000	720,000	875,000	0		720,000
Brainerd	6-1-74	620,000	175,000	620,000	0		175,000
Brainerd	10-1-85	430,000	400,000	430,000	0		400,000
Brooklyn Center	9-1-70	1,050,000	240,000	1,050,000	0		240,000
Cloquet	6-1-73	405,000	0	405,000	0		0
Cottage Grove	5-1-77	560,000	325,000	541,186	18,814		306,186
Cottage Grove	5-1-78	610,000	175,000	0	610,000		(435,000)
Crystal	6-20-86	407,000	213,987	407,000	0		213,987
Duluth	4-1-85	1,425,000	847,500	1,300,000	125,000		722,500
Eagan	7-1-86	3,000,000	2,850,000	371,183	2,628,817		221,183
East Grand Forks	9-1-65	325,000	120,000	325,000	0		120,000
Eden Prairie	12-1-82	2,300,000	700,000	2,120,613	179,387		520,613
Falcon Heights	4-21-80	170,000	0	142,012	27,988		(27,988)
Falcon Heights	10-5-82	75,000	0	75,000	0		0
Faribault	7-1-74	550,000	125,000	550,000	0		125,000
Grand Rapids	6-1-69	200,000	30,000	200,000	0		30,000

Municipality	Date of Issue	Amount of Issue	Unamortized Bond Balance	Total Disbursements and Obligations to December 31, 1987	Unencumbered Bond Balance Available	Off System Disbursement	Bond Account Adjustment
Ham Lake	7-1-80	330,000	60,000	330,000	0		60,000
Hibbing	9-1-82	1,100,000	600,000	748,867	351,133		248,867
Little Canada	10-1-81	225,000	165,000	91,783	133,217		31,783
Little Canada	8-1-86	340,000	335,000	302,250	37,750		297,250
Little Falls	8-1-68	245,000	0	245,000	0		0
Mankato	1-1-72	610,000	0	610,000	0		0
Mendota Heights	6-1-65	175,000	0	175,000	0		0
Mendota Heights	3-1-75	360,000	225,000	360,000	0		225,000
* Minnetonka	8-1-77	750,000	0	750,000	0	(648,957)	0
Mound	4-1-81	275,000	0	275,000	0		0
* New Hope	5-14-73	101,000	0	100,397	603	(84,422)	0
Northfield	9-1-73	315,000	0	257,418	57,582		(57,582)
North Mankato	6-1-86	550,000	495,000	0	550,000		(55,000)
Orono	8-1-79	270,000	35,000	204,747	65,253		(30,253)
Red Wing	9-1-84	600,000	250,000	600,000	0		250,000
Redwood Falls	1982	215,000	95,000	0	215,000		(120,000)
Roseville	12-1-85	2,225,000	2,155,000	2,225,000	0		2,155,000
St. Cloud	6-1-70	1,335,000	195,000	1,335,000	0		195,000
St. Cloud	7-1-82	1,000,000	970,000	760,233	239,767		730,233
St. Cloud	9-1-83	1,645,000	1,565,000	830,906	814,094		750,906
St. Paul	**	**	**	**	**	**	614,631
Savage	10-1-87	875,000	875,000	0	875,000		
Spring Lake Park	1980	195,000	50,000	156,107	38,893		11,107
Virginia	2-1-78	420,000	175,000	420,000	0		175,000
Woodbury	11-12-75	263,000	60,000	243,853	19,147		40,853
TOTAL		\$29,441,000	\$16,591,487	\$21,291,905	\$8,149,095	(\$733,379)	\$9,057,626

* Since the unamortized bond balance is 0, no deduction is made for the offsystem disbursement.

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

NON-EXISTING BRIDGE CONSTRUCTION -----

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

Municipality	First Year of Adjustment	Year of Apportionment Expiration	Amount
Albert Lea	1978	1992	\$245,320
Bloomington	1987	2001	1,255,688
Brainerd	1976	1990	576,113
Brooklyn Center	1976	1990	197,709
Burnsville	1986	2000	349,684
Chaska	1976	1990	28,800
Eden Prairie	1985	1999	974,299
Grand Rapids	1980	1994	553,858
Hastings	1983	1997	233,038
Hutchinson	1980	1994	570,793
Maplewood	1975 & 1976	1989 & 1990	664,966
Minneapolis	1983 & 1986	1997 & 2000	1,493,191
Moorhead	1976	1990	7,530
Red Wing	1980 & 1986	1994 & 2000	1,145,475
Rochester	1976	1990	84,378
Roseville	1987	2001	2,814,714
St. Louis Park	1980	1994	1,356,666
St. Paul	1976 & 1983	1990 & 1997	1,221,432
TOTAL			\$13,773,654

NEEDS ADJUSTMENT FOR RIGHT-OF-WAY ACQUISITION

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

MUNICIPALITY	1977-1986 EXPENDITURES TOTAL NEEDS FOR THE 1988 APPORT.	(+)	1987 EXPENDI- TURES	(=)	TOTAL NEEDS FOR 1989 APPORTIONMENT ADJUSTMENT
Albert Lea	--		--		--
Alexandria	--		--		--
Andover	--		--		--
Anoka	28,974		--		28,974
Apple Valley	--		--		--
Arden Hills	--		--		--
Austin	--		--		--
Bemidji	--		--		--
Blaine	--		--		--
Bloomington	832,491		--		832,491
Brainerd	--		--		--
Brooklyn Center	--		--		--
Brooklyn Park	--		--		--
Burnsville	334,777		136,070		470,847
Champlin	--		--		--
Chanhassen	--		--		--
Chaska	82,566		--		82,566
Chisholm	--		--		--
Cloquet	73,539		--		73,539
Columbia Heights	--		30,500		30,500
Coon Rapids	--		127,362		127,362
Cottage Grove	--		--		--
Crookston	149,174		959,364		1,108,538
Crystal	1,693,176		1,307,120		3,000,296
Detroit Lakes	--		--		--
Duluth	175,250		--		175,250
Eagan	271,918		--		271,918
East Bethel	14,000		--		14,000
East Grand Forks	--		--		--
Eden Prairie	--		--		--
Edina	--		--		--
Elk River	--		--		--
Eveleth	--		--		--
Fairmont	1,825		--		1,825
Falcon Heights	--		--		--
Faribault	2,346		--		2,346
Fergus Falls	33,600		33,600		67,200
Fridley	5,853		--		5,853
Golden Valley	1,079,377		61,248		1,140,625
Grand Rapids	--		--		--
Ham Lake	--		--		--
Hastings	17,620		--		17,620
Hermantown	23,750		--		23,750
Hibbing	14,000		1,500		15,500
Hopkins	--		--		--
Hutchinson	--		--		--
International Falls	--		--		--
Inver Grove Heights	617,797		--		617,797
Lake Elmo	19,706		--		19,706
Lakeville	--		--		--

Lino Lakes	--	64,950	64,950
Litchfield	--	--	--
Little Canada	43,300	--	43,300
Little Falls	--	--	--
Mankato	323,285	--	323,285
Maple Grove	50,038	--	50,038
Maplewood	--	--	--
Marshall	58,320	--	58,320
Mendota Heights	--	--	--
Minneapolis	3,528,716	3,128,802	6,657,518
Minnetonka	282,150	480,709	762,859
Montevideo	--	--	--
Moorhead	21,000	--	21,000
Morris	13,097	2,379	15,476
Mound	107,446	--	107,446
Mounds View	--	--	--
New Brighton	--	--	--
New Hope	--	--	--
New Ulm	--	--	--
Northfield	8,850	--	8,850
North Mankato	395,146	--	395,146
North St. Paul	--	--	--
Oakdale	--	--	--
Orono	--	--	--
Owatonna	113,638	--	113,638
Plymouth	45,208	--	45,208
Prior Lake	--	--	--
Ramsey	89,911	--	89,911
Red Wing	76,176	--	76,176
Redwood Falls	--	--	--
Richfield	1,152,857	287,674	1,440,531
Robbinsdale	--	--	--
Rochester	773,111	--	773,111
Rosemount	--	--	--
Roseville	1,383,005	--	1,383,005
St. Anthony	--	--	--
St. Cloud	778,233	7,590	785,823
St. Louis Park	335,520	14,196	349,716
St. Paul	2,521,732	--	2,521,732
St. Peter	--	--	--
Sauk Rapids	9,834	--	9,834
Savage	--	--	--
Shakopee	--	--	--
Shoreview	--	--	--
South St. Paul	--	--	--
Spring Lake Park	--	--	--
Stillwater	104,442	--	104,442
Thief River Falls	--	2,269	2,269
Vadnais Heights	--	--	--
Virginia	--	--	--
Waseca	5,000	--	5,000
West St. Paul	--	--	--
White Bear Lake	177,573	--	177,573
Willmar	22,500	--	22,500
Winona	340,950	--	340,950
Woodbury	30,815	49,239	80,054
Worthington	26,842	--	26,842
TOTAL	18,290,434	6,694,572	24,985,006

Needs Adjustment for Reconstruction Projects

(For reference, See Construction Accomplishments Resolution)

The following summary shows the reconstruction projects reported:

Municipality	Project No.	Type of Project	Date of Const.	Date of Reconst.	Years of Apport. Adj.	Amount	Total Adjustment
Austin	104-120-01	G,B,C Sur&Misc	1961	1984	1986-2000	\$67,543	\$310,969
	104-121-04	G,B,C Sur&Misc	1960	1986	1988-2002	243,426	
Brainerd	108-103-07	GR,B,S	1959	1984	1986-2000	25,526	185,035
	108-114-03	GR,B,S	1967	1984	1986-2000	65,748	
	108-114-04	GR,B,S	1967	1984	1986-2000	15,064	
	108-117-03	GR,B,S	1967	1984	1986-2000	8,110	
	108-118-02	GR,B,S	1973	1984	1986-2000	11,679	
	108-124-05	GR,B,S	1959	1985	1987-2001	58,908	
Burnsville	179-102-17	G,B,C Sur&Misc	1966	1987	1989-2003	1,053,559	1,053,559
Duluth	118-140-19	Bridge Repair	1930	1984	1987-2001	1,054,200	1,624,554
	118-107-02	G,B,Conc Pave	1978	1983	1988-2002	11,858	
	118-109-09	BrkSurf,St Sew	1975	1983	1988-2002	112,424	
	118-129-14	BrkSurf,St Sew	1978	1983	1988-2002	86,859	
	118-171-03	BrkSurf,St Sew	1979	1984	1988-2002	209,012	
	118-129-17	BrkSurf,St Sew	1978	1984	1988-2002	14,487	
	118-135-07	BrkSurf,St Sew	1966	1984	1988-2002	14,559	
	118-136-07	BrkSurf,St Sew	1975	1984	1988-2002	26,430	
	118-138-10	BrkSurf,St Sew	1975	1984	1988-2002	4,394	
	118-139-06	BrkSurf,St Sew	1975	1984	1988-2002	24,066	
	118-140-18	BrkSurf,St Sew	1975	1984	1988-2002	17,698	
	118-141-10	BrkSurf,St Sew	1975	1984	1988-2002	23,882	
	118-143-06	BrkSurf,St Sew	1975	1984	1988-2002	24,685	
Mendota Heights	140-103-06	G,B,Bit	1966	1985	1987-2001	81,436	81,436
Minneapolis	141-165-13	G,B,Bit,SW	1962	1984	1988-2002	237,982	1,187,517
	141-199-06	B,Bit Surf	1968	1985	1988-2002	598,913	
	141-370-02	G,B,Bit,SW	1975	1986	1988-2002	350,622	

Municipality	Project No.	Type of Project	Date of Const.	Date of Reconst.	Years of Apport. Adj.	Amount	Total Adjustment
Moorhead	144-122-03	Bit Resurf	1959	1984	1988-2002	186,397	186,397
Northfield	149-108-06	Bridge Rehab	1963	1986	1988-2002	31,743	31,743
St. Paul	164-113-17	G,B,Conc Pave	1969	1983	1985-1999	307,298	
	164-156-10	G,B,Conc Pave	1970	1983	1985-1999	103,674	
	164-108-14	G,B,Conc Pave	1962	1983	1985-1999	138,932	
	164-141-08	Bridge Repair	1965	1984	1986-2000	151,484	
	164-159-23	Bridge Rehab.	1964	1984	1986-2000	449,427	
	164-159-22	Bit. Misc.	1964	1984	1986-2000	133,952	1,284,767
STATE TOTAL							\$5,945,977

TRUNK HIGHWAY TURNBACKS

The following tabulation shows the Trunk Highway Turnback Maintenance allowance for the 1989 Apportionment. All turnbacks eligible for maintenance payments are included in this tabulation as of December 1, 1988. 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 Approve	Miles Const.	Miles Eligible Maint.	Date of MSAS Desig.	1989 Maintenance Allowance Miles X \$1500	Total
<u>Brooklyn Park</u>								
137 (TH 169)	10-1-88	1.53	No	0.00	1.53	11-88	1.53 x \$1500 = \$2,295	\$2,295
<u>Champlin</u>								
114 (TH 169)	10-1-88	0.64	No	0.00	0.64	11-88	0.64 x \$1500 = \$960	\$960
<u>Crookston</u>								
115	11-87	0.30	No	0.00	0.30	03-88	0.30 x \$1500 = \$450	
144 (TH 75)	11-87	1.28	No	0.00	1.28	03-88	1.28 x \$1500 = \$1920	
		----- 1.58			----- 1.58		----- \$2370	\$2,370
<u>Mankato</u>								
101 (TH 22)	4-1-85	1.12	No	0.09	1.03	06-85	1.03 x \$1500 = \$1545	
123 (TH 14)	4-1-85	1.42	No	0.00	1.42	06-85	1.42 x \$1500 = \$2130	
		----- 2.54		----- 0.09	----- 2.45		----- \$3675	\$3,675
<u>Maple Grove</u>								
128 (TH 169)	10-1-88	0.50	No	0.00	0.50	11-88	0.50 x \$1500 = \$750	\$750

MSAS Route No.	Date of Release	Total Mileage	Plan Approve	Miles Const.	Miles Eligible Maint.	Date of MSAS Desig.	1989 Maintenance Allowance Miles X \$1500	Total
North Mankato								
116 (TH 14)	8-78	1.94	Yes	1.00	0.94	10-78	0.94 x \$1500 = \$1410	\$1,410
St. Cloud								
140 (TH 15)	10-80	1.36	Yes	0.50	0.86	02-81	0.86 x \$1500 = \$1290	\$1,290
Willmar								
153 (TH 23 & 71)	10-85	3.22	No	0.00	3.22	01-86	3.22 x \$1500 = \$4830	\$4,830
TOTAL		13.31		1.59	11.72			\$17,580

CURRENT RESOLUTIONS
OF THE
MUNICIPAL SCREENING BOARD

OCTOBER 1988

BE IT RESOLVED:

ADMINISTRATION

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

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

Screening Board Chairman and Vice Chairman - June 1987

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

Screening Board Secretary - Oct. 1961

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

Appointment to the Needs Study Subcommittee - June 1987

The Screening Board Chairman shall annually appoint one city engineer, who has served on the Screening Board, to serve a three year term on the Needs Study Subcommittee. The appointment shall be made after the annual Spring meeting of the Municipal Screening Board. The appointed subcommittee person shall serve as chairman of the subcommittee in the third year of the appointment.

Appointment to Unencumbered Construction Funds Subcommittee - Revised
June 1979

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

Screening Board Alternate Attendance - June 1979

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

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

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

Research Account - Oct. 1961

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

Soil Type - Oct. 1961

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

Improper Needs Report - Oct. 1961

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

New Cities Needs - Oct. 1983

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

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

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

Construction Accomplishments - (Oct. 1988)

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

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

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

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

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

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

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

DESIGN

Design Limitation on Non-Existing Streets - Oct. 1965

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

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

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

Greater Than Minimum Width

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

Miscellaneous Limitations - Oct. 1961

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

MILEAGE

(Feb. 1959)

The maximum mileage for Municipal State Aid Street designation shall be 20 percent of the municipality's basic mileage - which is comprised of the total improved streets less Trunk Highway and County State Aid Highways.

(Nov. 1965 - Revised 1972)

The maximum mileage for Municipal State Aid Street designation shall be based on the Annual Certification of Mileage current as of December 31st of the preceding year. Submittal of a supplementary certification during the year shall not be permitted.

(Nov. 1965 - Revised 1969)

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

(Jan. 1969)

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

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

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

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

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

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

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

COST

Construction Item Unit Prices - (Revised Annually)

Right of Way:			\$ 10,000.00 Mile
Grading:			\$ 3.00 Cu. Yd.
Base:			
	Class 4	Spec. #2211	\$ 4.75 Ton
	Class 5	Spec. #2211	\$ 6.00 Ton
	Bituminous	Spec. #2331	\$ 21.00 Ton
Surface:			
	Bituminous	Spec. #2331	\$ 21.00 Ton
	Bituminous	Spec. #2341	24.00 Ton
	Bituminous	Spec. #2361	34.00 Ton
Shoulders:			
	Gravel	Spec. #2221	\$ 4.25 Ton
Miscellaneous:			
	Storm Sewer Construction		\$196,000.00 Mile
	Storm Sewer Adjustment		\$ 62,000.00 Mile
	Traffic Signals		15,000.00 Mile
	Street Lighting		16,000.00 Mile
	Curb & Gutter		6.00 Lin. Ft.
	Sidewalk		14.50 Sq. Yd.
Removal Items:			
	Curb & Gutter		\$ 1.75 Lin. Ft.
	Sidewalk		4.00 Sq. Yd.
	Concrete Pavement		4.00 Sq. Yd.
	Tree Removal		135.00 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.	\$ 41.50 Sq. Ft.
Bridges 150 to 499 Ft.	\$ 47.00 Sq. Ft.
Bridges 500 & Over	\$ 56.00 Sq. Ft.
Bridge Widening	\$120.00 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
Rubberized Railroad Crossings	\$ 700 Lin. Ft.

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 1976, 1979)

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

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

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

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

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

Unencumbered Construction Fund Balance Adjustment - Oct. 1961

(Revised 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.

Excess Unencumbered Construction Fund Balance (Revised Oct. 1988)

Whenever a municipality's construction fund balance available as of February 1, of the current year, not including the current years allotment, exceeds \$300,000 or two times their annual construction allotment (whichever is greater), the State Aid Office shall notify the City in writing by March 1st of this excess balance and outline the financial impact to the City if this unencumbered construction fund balance is not reduced to the stated amount by September 1, of that year. The State Aid Office shall review the balance as of June 30, and send a second notice to those cities still exceeding the allowable unencumbered construction fund balance based upon the criteria stated above and include further explanation of the financial impact to their city if the balance is not reduced within the guidelines by September 1, of that same year. The Unencumbered Construction Fund Subcommittee shall meet with those cities still having an excess unencumbered construction fund balance after September 1, of that year and inform them of the adjustment which will be made to their 25 year construction needs for the following year. It is understood that either the submittal of a report of State Aid Contract or report of final contract approved by the District State Aid Engineer by September 1, which reduces the fund balance within required limits shall be considered acceptable to meeting the intent of this particular resolution. In the event the city does not meet the requirements of this resolution to reduce their unencumbered construction fund balance as per the criteria stated above, an adjustment of twice the city's unencumbered construction fund balance less the current years construction allotment will be deducted from the city's twenty-five year needs prior to the succeeding year 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 balance adjustment previously defined.

(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.

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.

Variance Granted - Reduction of Money Needs - Oct. 1982 (Revised Oct. 1984) (Revised Oct. 1987)

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 or the proportional difference between average past 15 years of base and surface needs received and the granted variance times fifteen (Documentation furnished by the City). This would be a one-year adjustment to the 25-year needs.

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.

TRAFFIC - June 1971

Traffic Limitation on Non-Existing Streets - Oct. 1965

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

Traffic Manual - Oct. 1962

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

Traffic Counting - Sept. 1973 (Revised June 1987)

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

1. The municipalities in the metropolitan area cooperate with the State by agreeing to participate in counting traffic every two years.
2. The cities in the outstate area may have their traffic counted for a nominal fee and maps prepared by State forces every four years, or may elect to continue the present procedure of taking their own counts and preparing their own traffic maps at four year intervals.
3. Some deviations from the present four-year counting cycle shall be permitted during the interim period of conversion to counting by State forces in the outstate area.

January 5, 1989

MUNICIPAL ENGINEERS

Richard A. Johnson 101(6)
Albert Lea City Engineer
221 East Clark Street
Albert Lea, MN 56007
(507) 377-4325

James E. Schrantz 198(5)
Andover City Engineer
1685 Crosstown Blvd. NW
Anoka, MN 55303
(612) 755-5100

Keith Gordon 186(9)
Apple Valley City Engr.
Bonestroo Rosene &
Associates
2335 W. Trunk Hwy. 36
St. Paul, MN 55113
(612) 636-4600

Richard Murphy 104(6)
Austin City Engineer
500 - 4th Avenue NE
Austin, MN 55912
(507) 437-7671

Larry Peterson 106(5)
Blaine City Engr.
9150 Central Ave. NE
Blaine, MN 55434
(612) 784-6700

Brainerd City Engineer 108(3)
City Hall
Brainerd, MN 56401
(218) 828-2309

Neil Johnson 110(5)
Public Works Director
City of Brooklyn Park
5800 - 85th Ave. No.
Brooklyn Park, MN 55443
(612) 424-8000

Alvin H. Moen 102(4)
Alexandria City Engineer
& ofWidseth Smith Nolting
& Associates, Inc.
2504 Aga Drive
Alexandria, MN 56308
(612) 762-8149

Ray Schultz 103(5)
Anoka City Engineer
2015 - 1st Avenue North
City Hall
Anoka, MN 55303
(612) 421-6630

Donald Christoffersen 187(9)
Arden Hills City Engr.
& Short-Elliott-Hendrickson
222 E. Little Canada Rd.
St. Paul, MN 55117
(612) 484-0272

Donavan Boell 105(2)
Bemidji City Engineer
401 Minnesota Avenue
Bemidji, MN 56601
(218) 751-5610

Ronald Rudrud 107(5)
Bloomington City Engr.
2215 W. Old Shakopee Rd.
Bloomington, MN 55431
(612) 881-5811

H. R. Spurrier 109(5)
Brooklyn Center City Engr.
6301 Shingle Creek Parkway
Brooklyn Center, MN 55430
(612) 561-5440

Thor Meyer 213(3)
Buffalo City Engineer
Meyer Rohlin Inc.
1111 Highway 25 North
Buffalo, MN 55313
(612) 333-5886

Charles A. Siggerud 179(9)
Public Works Director
City of Burnsville
1313 East Highway 13
Burnsville, MN 55337
(612) 890-4100

Jack Bittle 193(5)
Champlin City Engineer
11955 Champlin Drive
Champlin, MN 55316
(612) 421-1955

Gary Warren 194(5)
Chanhassen City Engr.
690 Coulter Drive
Box 147
Chanhassen, MN 55317
(612) 937-1900

James Olson 196(5)
Chaska City Engineer
& of Bonestroo Rosene
& Associates
2335 W. T.H. 36
St. Paul, MN 55113
(612) 636-4600

John Baker 111(1)
Chisholm City Engineer
John Baker Engineering
Box 152
Chisholm, MN 55719
(218) 254-5793

James R. Prusak 112(1)
Cloquet City Engineer
508 Cloquet Avenue
Cloquet, MN 55720
(218) 879-6758

Fredrick Salsbury 113(5)
Columbia Hts. City Engr.
637 - 38th Avenue NE
Columbia Heights, MN 55421
(612) 788-9221

William R. Ottensmann 114(5)
Coon Rapids City Engr.
1313 Coon Rapids Blvd.
Coon Rapids, MN 55433
(612) 755-2880

Joe Anderlik 180(9)
Cottage Grove City Engr.
& Bonestroo Rosene &
Associates
2335 W. T.H. 36
St. Paul, MN 55113
(612) 636-4600

David Kildahl 115(2)
Crookston City Engr.
216 South Main Street
P.O. Box 458
Crookston, MN 56716
(218) 281-6522

William Monk 116(5)
Crystal City Engineer
4141 Douglas Dr. No.
Crystal, MN 55422
(612) 537-8421

Irving D. Bakken 117(4)
Detroit Lakes City Engr.
& Larson-Peterson & Assoc.
522 West Main Street
P. O. Box 150
Detroit Lakes, MN 56501
(218) 847-5607

Dan Murphy 118(1)
Act. Duluth City Engr.
Room 211 - City Hall
Duluth, MN 55802
(218) 723-3278

Tom Colbert 195(9)
Public Works Director
City of Eagan
3830 Pilot Knob Road
Eagan, MN 55122
(612) 454-8100

Terry Maurer 203(5)
East Bethel City Engr.
Maier Stewart & Assoc.
1959 Sloan Place
St. Paul, MN 55117
(612) 774-6021

Gary Sanders 119(2)
E. Grand Forks City Engr.
P. O. Box 385
East Grand Forks, MN 56721
(218) 773-1185

Alan Gray 181(5)
Eden Prairie City Engr.
7600 Executive Drive
Eden Prairie, MN 55344
(612) 937-2262

Francis J. Hoffman 120(5)
Edina City Engineer
4801 West 50th Street
Edina, MN 55424
(612) 927-8861

Terry Maurer 204(3)
Elk River City Engineer
Maier Stewart & Assoc.
1959 Sloan Place
St. Paul, MN 55117
(612) 774-6021

John Baker 122(1)
Eveleth City Engineer
John Baker Engineering
P.O. Box 152.
Chisholm, MN 55719
(218) 254-5793

Brian Bachmeier 123(7)
Fairmont City Engineer
114 East First Street
Box 751
Fairmont, MN 56031
(507) 238-9461

Terry Maurer 124(9)
Falcon Hts. City Engr.
Maier Stewart & Assoc.
1959 Sloan Place
St. Paul, MN 55117
(612) 774-6021

Maynard Lueth 125(6)
Faribault City Engineer
208 NW 1st Avenue
Faribault, MN 55021-9988
(507) 334-2222

Thomas Kaldunski 212(9)
Farmington City Engineer
325 Oak Street
Farmington, MN 55024
9-463-7111

Daniel Edwards 126(4)
Fergus Falls City Engr.
City Hall P.O. Box 868
Fergus Falls, MN 56537
(218) 739-2251

John G. Flora 127(5)
Fridley Public Works Dir.
6431 University Avenue NE
Fridley, MN 55432
(612) 571-3450

Lowell E. Odland 128(5)
Golden Valley City Engr.
7800 Golden Valley Rd.
Golden Valley, MN 55427
(612) 545-3781

Bruce Wallace, P.E. 129(1)
Grand Rapids City Engr.
Engr. Dept.-City Hall
420 North Pokegama Ave.
Grand Rapids, MN 55744
(218) 327-2802

John Bearden 197(5)
Ham Lake City Engineer
% of Comstock & Davis, Inc.
1446 County Road J
Minneapolis, MN 55432
(612) 784-9346

Tom Montgomery 130(9)
Hastings City Engineer
City Hall
Hastings, MN 55033
(612) 437-4127

Don Salo 202(1)
Hermantown City Engr.
15 East First Street
Duluth, MN 55802
(218) 729-6331

Clyde W. Busby 131(1)
Hibbing City Engineer
City Hall
Hibbing, MN 55746
(218) 262-3486

Robert Toddie 132(5)
Hopkins City Engineer
Toltz King Duvall Anderson
& Associates
2500 Am. Nat'l. Bank Bldg.
St. Paul, MN 55101
(612) 292-4413

Eugene Anderson 133(8)
Hutchinson City Engr.
37 Washington Ave. W.
Hutchinson, MN 55350
(612) 587-5151

Donald Nolting 134(1)
Int'l. Falls City Engr.
City Hall
International Falls, MN 56649
(218) 285-7166

John Sachi 178(9)
Director of Public Works
City of Inver Grove Heights
8150 Barbara Avenue
Inver Grove Hts., MN 55075
(612) 457-2111 Ext. 260

Larry D. Bohrer 206(9)
Lake Elmo City Engr.
% Toltz-King-Duvall
& Associates
2500 Am. Nat'l. Bank Bldg.
St. Paul, MN 55101
(612) 292-4590

Keith H. Nelson 188(9)
Lakeville City Engineer
8747 - 208th Street
P.O. Box 957
Lakeville, MN 55044-8012
(612) 469-4431

Ronald Stahlberg 210(5)
Lino Lakes City Engr.
% Toltz-King-Duvall
& Associates
2500 Am. Nat'l. Bank Bldg.
St. Paul, MN 55101
(612) 292-4433

Joseph R. Bettendorf 135(8)
Litchfield City Engineer
% Pauly & Olsen Ass., Ltd.
P. O. Box 1717
St. Cloud, MN 56302
(612) 252-4740

Donald O. Carley 200(9)
Little Canada City Engr.
% Milner Carley & Ass.
500 West Highway 96
Shoreview, MN 55126
(612) 484-3301

Donald Anderson 136(3)
Little Falls City Engr.
Widseth-Smith-Nolting
& Associates, Inc.
P. O. Box 765
Brainerd, MN 56401
(218) 829-5117

Ken Saffert 137(7)
Mankato City Engineer
202 East Jackson St.
Mankato, MN 56001
(507) 625-3161

Ken Ashfeld 189(5)
Maple Grove City Engr.
9401 Fernbrook Lane
Maple Grove, MN 55369
(612) 420-4000

Ken Haider 138(9)
Dir. of Pub. Works
City of Maplewood
1902 East County Road B
St. Paul, MN 55109
(612) 770-4552

Richard Victor 139(8)
Marshall City Engineer
344 West Main Street
P. O. Box 477
Marshall, MN 56258
(507) 537-6774

James E. Danielson 140(9)
Director of Public Works
City of Mendota Heights
750 South Plaza Drive
Mendota Heights, MN 55120
(612) 452-1086

Perry D. Smith 141(5)
Minneapolis City Engineer
A-1800 Government Center
Minneapolis, MN 55487
(612) 348-2443

David J. Sonnenberg 142(5)
Minnetonka City Engineer
14600 Minnetonka Blvd.
Minnetonka, MN 55345-1597
(612) 933-2511

Thomas N. Rodeberg 143(8)
Montevideo City Engineer
103 Canton Avenue
P. O. Box 676
Montevideo, MN 56265
(612) 269-6575

Herbert D. Reimer 144(4)
Moorhead City Engineer
Box 779
Moorhead, MN 56560
(218) 299-5390

Don Nolting 190(4)
Morris City Engineer
Widseth-Smith-Nolting
& Associates
Box 963, 2504 AGA Dr.
Alexandria, MN 56308
(612) 762-8149

William McCombs 145(5)
Mound City Engineer
% of McCombs-Knutson
& Associates
12800 Industrial Park Blvd.
Minneapolis, MN 55441
(612) 559-3700

Rick Minetor 146(9)
Mounds View City Engr.
2401 Highway 10
Mounds View, MN 55112
(612) 784-3055

Leslie Proper 147(9)
New Brighton City Engr.
803 - 5th Avenue NW
New Brighton, MN 55112
(612) 631-3736

Mark Hanson 182(5)
New Hope City Engineer
% Bonestroo-Rosene
& Associates
2335 West T.H. 36
St. Paul, MN 55113
(612) 636-4600

Pete McClurg 148(7)
New Ulm City Engineer
City Hall
New Ulm, MN 56073
(507) 359-8245

Bruce R. Bullert 149(6)
Northfield City Engineer
801 Washington Street
Northfield, MN 55057
(507) 645-8832

Martin Menk 150(7)
No. Mankato City Engr.
Bolton & Menk Engr. Co.
515 North Front
Mankato, MN 56001
(507) 625-4171

David Kotilinek 151(9)
No. St. Paul City Engr.
2526 East 7th Avenue
North St. Paul, MN 55109
(612) 770-4463

Oakdale City Engr. 185(9)
1900 Hadley Ave. No.
Oakdale, MN 55119
(612) 739-5030

Glen R. Cook 152(5)
Orono City Engineer
%Bonestroo-Rosene
& Associates
2335 West T.H. 36
St. Paul, MN 55113
(612) 636-4600

Arnold A. Putnam 153(6)
Owatonna City Engineer
540 West Hills Circle
Owatonna, MN 55060
(507) 451-4541

Fred G. Moore 155(5)
Director of Public Works
3400 Plymouth Boulevard
Plymouth, MN 55447
(612) 559-2800

Larry J. Anderson 201(5)
Prior Lake City Engr.
4629 Dakota Street SE
P. O. Box 359
Prior Lake, MN 55372
(612) 447-4230

Peter R. Raatikka 199(5)
Ramsey City Engineer
Hakanson Anderson Ass., Inc.
222 Monroe St., Box J
Anoka, MN 55303
(612) 427-5860

Thomas Drake 156(6)
Red Wing City Engineer
315 West 4th Street
P.O. Box 34-City Hall
Red Wing, MN 55066
(612) 227-6220

Ron Manz 207(8)
Redwood Falls City Engr.
333 South Washington
P. O. Box 10
Redwood Falls, MN 56283
(507) 637-5755

Michael J. Eastling 157(5)
Richfield City Engineer
6700 Portland Avenue
Richfield, MN 55423
(612) 869-7521

Lee Gustafson 158(5)
Robbinsdale City Engineer
4221 Lake Road
Robbinsdale, MN 55442
(612) 537-4534

Roger Plumb 159(6)
Rochester City Engineer
1602 - 4th St. SE
Rochester, MN 55904
(507) 281-6008

Richard Hefti 208(9)
Rosemount City Engineer
P. O. Box 455
1367 - 145th Street
Rosemount, MN 55068
(612) 423-4411

Steve Gatlin 160(9)
Roseville City Engineer
2660 Civic Center Drive
Roseville, MN 55113
(612) 490-2200

Roger Larson 191(3)
Sauk Rapids City Engr.
%Rieke-Carroll-Muller
& Associates
1524-24th Ave. N., Box 51
St. Cloud, MN 56301
(612) 253-1000

Bill Engelhardt 211(5)
Act. Savage City Engr.
12305 Quentin Ave. So.
Savage, MN 55378
(612) 890-1045

Dave Hutton 166(5)
Shakopee City Engineer
129 East 1st Avenue
Shakopee, MN 55379
(612) 445-3650

Chuck Ahl 167(9)
Shoreview City Engr.
4665 No. Victoria St.
St. Paul, MN 55112
(612) 484-3353

Robert G. Simon 168(9)
So. St. Paul City Engr.
125 Third Ave. No.
South St. Paul, MN 55075
(612) 450-8704

Joe Anderlik 183(5)
Spring Lake Park City Engr.
%Bonestroo, Rosene
& Associates
2335 West T.H. 36
St. Paul, MN 55113
(612) 636-4600

Steven Campbell 161(5)
St. Anthony City Engineer
% Short-Elliott-Hendrickson
222 East Little Canada Rd.
St. Paul, MN 55117
(612) 484-0272

John Dolentz 162(3)
St. Cloud City Engineer
400 - 2nd Street South
St. Cloud, MN 56301
(612) 255-7200

Jim Grube 163(5)
St. Louis Park City Engr.
5005 Minnetonka Blvd.
St. Louis Park, MN 55416
(612) 924-2551

Donald E. Nygaard 164(9)
Director of Public Works
600 City Hall Annex
25 West 4th Street
St. Paul, MN 55102
(612) 298-4241

Martin C. Menk, Jr. 165(7)
St. Peter City Engineer
% Bolten & Menk Engr. Co.
P. O. Box 270
St. Peter, MN 56082
(507) 931-2340

Richard Moore 169(9)
Short-Elliott-Hendrickson
Stillwater City Engineer
216 North Fourth Street
Stillwater, MN 55082
(682)484-0272

James Walker 170(2)
Thief River Falls City Engr.
324 E. 2nd St.
Box 387
Thief River Falls, MN 56701
(218)751-3004

Eugene Lindholm 209(9)
Vadnais Hts. City Engr.
Short Elliott Hendrickson
222 E. Little Canada Rd.
St. Paul, MN 55117
(612)484-0272

Nicholas Dragisich 171(1)
Virginia City Engineer
City Hall
327 South 1st Street
Virginia, MN 55792
(218)741-2388

Orlin A. Ortloff 172(7)
Waseca City Engineer
508 South State Street
Waseca, MN 56093
(507)835-3840

Philip A. Stefaniak 173(9)
Director of Public Works
1616 Humboldt Avenue
City Hall
West St. Paul, MN 55118
(612)455-9671

Mark Burch 174(9)
White Bear Lake City Engr.
City of White Bear Lake
4701 Highway 61
White Bear Lake, MN 55110
(612)429-8531

Dale Swanson 175(8)
Willmar City Engineer
333-6th Street SW
P. O. Box 755
Willmar, MN 56201
(612)235-4202

William Malin 176(6)
Winona City Engineer
207 Lafayette Street
Winona, MN 55987
(507)452-8550

David R. Jessup 192(9)
Woodbury City Engineer
2300 Tower Drive
Woodbury, MN 55125
(612)738-2278

Dwayne M. Haffield 177(7)
Worthington City Engr.
Box 279
City Hall
Worthington, MN 56187
(507)376-3161