



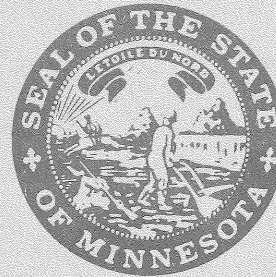
791453

STATE OF MINNESOTA

PROPOSED

CAPITAL BUDGET
DETAIL SECTION

FISCAL YEARS 1980 AND 1981



Presented By

GOVERNOR ALBERT H. QUIE

To The

SEVENTY—FIRST LEGISLATURE

HJ
11
.M6425c
1980/81
Detail
section

ALBERT LEA AREA VOCATIONAL

TECHNICAL INSTITUTE

Institution Detail:

Mobile Home Maintenance and Management classroom, refitting laboratory, shop office, and lavatories.

Request:

\$195,000.00

Justification:

The Mobile Home program was begun in 1976-77 at the request of the Mobile Home industry to have training in Southeastern Minnesota where the largest number of units are located from outside the metropolitan area. The program began in a shop 20' x 30' and during 1977-78 and additional 20 feet was added from a maintenance shop totalling 30' x 40' at present.

Demand for the program has grown since then due to heavy demand for this type of housing. With energy conservation demands growing and refitting of used and older homes becoming common, refitting is a new portion of training needed. To meet these needs the advisory committee composed of industry personnel recommend a facility to train competencies in installation, refitting, servicing appliances, heating and air conditioning, utilities, repairing defective units to keep the home in working order. We do not have a facility to meet these needs.

During the first year, we served 15 students and the second year 21. Student interest in this program is growing as young people look to this housing to begin home life. The mobile home advisory board recommends expansion of the program.

Description:

The advisory committee recommends a building 60' x 90' which includes a classroom, office, lavatories, refitting laboratory and shop. This building should be 90' long to allow a unit to be placed inside for refitting. 5400 square feet addition.

Alternatives Considered:

The Board of Education sought rented facilities during the first year. Due to the complexity of training needs, very few buildings fit the needs. A former trucking firm building was found to be adequate but rent at \$18,000 per year plus utilities was out of reach. The Lea College facilities are presently used by city recreation and the dormitory still remaining does not fit vocational programs.

The elementary schools are all used by the public schools regular classes for special programs. The vocational center building is fully used by the local high school for high school programs. This would have made a fine facility if it had been available.

The present facility does not lend itself to double shifting if and when expansion of the program is justified.

Estimated Costs Prepared By Wayne V. Broecker & Adrian Hestness, Architect:

Land acquisition	0
Construction	210,000
Non-building costs	20,000
Architects fees	15,000
Equipment	3,000
Site work	1,000
Other	1,000
Total project cost	230,000
Total for this request only	195,000
Cost/gross square footage	42.50
Cost/assignable square footage	42.50
Cash available for this project	35,000
Other revenue available or requests/sources	0

Space Released:

This space would revert back to a maintenance shop. If in the future a new program approved by all consenting and approving bodies is included in the institutes offerings which could utilize this area; it would begin here. The board of education believes in building after the fact.

Change In Annual Operating Cost:

<u>Utilities and other</u>	7,500
Electrical	1,900
Heat and Air-Conditioning	2,400
Sewer and Water	200
Custodial	2,000
Upkeep and other	1,000

ALBERT LEA AREA VOCATIONAL

TECHNICAL INSTITUTE

Additional Space For:

Special Foods; Delicatessen and Catering; Sales Associate, Marketing and Management; Student Services.

Request:

\$340,000.00

Justification:

The Special Foods, Delicatessen and Catering course requires special laboratory facilities in training. The program needs a room for catering groups for competencies to be gained in a very specialized field, and a delicatessen display area. Catering in the past five years has gone commercial as churches and other non-profit groups have discontinued this service. At present, we utilize a room used for classroom and the size limits any real experience to be gained as only 12 people can adequately be catered. The room is 14' x 24' and with catering equipment used in serving, the opportunity for experience gained is very limited. The Sales Associate, Marketing, and Management program needs additional space of a classroom and laboratory with the number of students we are serving. We have three sections with double and triple sectioning. Limited experience is presently given to each student in store management, sales techniques, and customer relations with the limited space. The Advisory Committee recommends an additional classroom and a laboratory to meet the needs of the number of students we serve.

The cafeteria is shifted four times with 20 minute time changes. We need additional space so students can have a one-half hour eating time. A student senate room is needed for students to hold meetings, keep records, meet during the day where they would not be interrupted by a class needing the room.

A teachers lounge is necessary as the present one does not meet the needs of the number we have and it is combined in the main office building which interrupts our staff.

Description:

We are recommending an addition of 75 feet to our "A" building which is 122" wide. This building would provide additional space for classrooms, laboratories and services. 9150 square feet addition.

The building would keep the same roofline and fit into the general decor and appearance of the present structure. The additional space will combine with the present building such as the Special Foods, Delicatessen, and Catering would be next to the kitchen, the cafeteria would be added on to present cafeteria room, and sales would also be

adjacent to present sales training area.

Alternatives Considered:

We have searched for rental space and also elementary schools which would make a feasible facility. All schools owned by the district are presently in use and anticipated availability does not seem to be forthcoming. We have gone to double utilization in the two programs already and only minimum space for one section was provided in the beginning.

Estimated Costs Prepared By Wayne V. Broecker & Adrian Hestness, Architect:

Land acquisition	0
Construction	360,000
Non-building costs	40,000
Architects fees	28,000
Equipment	9,000
Site work	1,000
Other	2,000
Total project cost	400,000
Total for this request only	340,000
Cost/gross square footage	43.75
Cost/assignable square footage	55.75
Cash available for this project	60,000
Other revenue available or requests/sources	0

Space Released:

The space released is the small classroom of 14 x 24 which will be used as a classroom and seminars for the programs mentioned in this priority. Also the present teachers lounge in the administrative area will be released and we must make our present general office larger so two offices will be eliminated and the present teachers lounge will be developed into the office complex.

Change In Annual Operating Cost:

<u>Utilities and other</u>	\$11,700
Electrical	3,200
Heat and Air-Conditioning	4,000
Custodial	3,000
Other	1,500

ALBERT LEA AREA VOCATIONAL
TECHNICAL INSTITUTE

Additional Space For:

Library; Special Needs; and Accounting

Request:

297,500

Justification:

This third and final addition needed to complete this building phase can add greatly to better student ability to successfully move into and out of the Albert Lea AVTI and to make progress while so enrolled. A library is needed to give expanded educational opportunities to students. The special needs has grown where we now must curtail the number of students being served. This growth is due to faculty development in awareness, knowledge and understanding of the function of special needs. We believe with the two departments being together allows more flexibility and use of both facilities.

The Accounting program has double sections now and in small cramped quarters. Moving the Accounting program into this area allows interchange and cross training with the other office education programs.

Description:

We are recommending an addition to the "A" building of an area 50' wide by 164' long which will fit into the present structure utilizing two walls. The structural design will give the same roof line as the present structure and the proximity of this location for the student library makes accessibility for all students in the AVTI. This section is 8200 sq. feet.

Alternatives Considered:

We have searched for rental space and also elementary schools which would make a feasible facility. All schools owned by the district are presently in use and anticipated availability does not seem to be forthcoming. We have gone to double utilization in the two programs already and only minimum space for one section was provided in the beginning.

Estimated Costs Prepared By Wayne V. Broecker & Adrian Hestness, Architect:

Land acquisition	0
Construction	317,000
Non-building costs:	33,000
Architects fees	24,000
Equipment	6,000
Site work	1,000
Other	2,000

Total project cost	350,000
Total for this request only	297,500
Cost/gross square footage	43.00
Cost assignable square footage	55.75
Cash available for this project	52,500
Other revenue available or requests/sources	0

Space Released:

The Special Needs room 17' x 24' (410 sq. ft.) will be used for additional offices needed. The present accounting rooms will be used by the electricians which are in quadruple sectioning at present. Another alternative we have is to move refrigeration and air conditioning into the accounting rooms and give the electrician program that shop which adjoins the present electrical shop.

Change In Annual Operating Costs:

<u>Utilities and other</u>	9,300
Electrical	2,200
Heat and Air-Conditioning	4,000
Sewer and water	100
Custodial	2,000
Upkeep and other	1,000

ALEXANDRIA AREA VOCATIONAL TECHNICAL INSTITUTE

ALEXANDRIA, MN 56308

Introduction: The Alexandria Area Vocational Technical Institute was designated a post secondary institution in May, 1961. The school was started in rented facilities with an enrollment of twenty-three students in three programs. The Institute's current enrollment is 1,645 students in thirty-two different programs of instruction.

REQUEST: \$4,866,624 (85%)

RATIONAL FOR REQUEST: The Alexandria AVTI has demonstrated continued growth over the past sixteen years and construction of facilities has never kept pace with the enrollment growth. The Institute offers many programs offered nowhere else in the state and normally has students from nearly every county in the state.

The Alexandria AVTI currently has 905 training stations on a one-shift basis excluding temporary buildings. The current one day enrollment was 1,264 for the 1977-78 school year and is expected to increase to 1,360 in the 1978-79 school year. The over-crowding, the temporary facilities and the use of mechanical areas for instructional purposes has many serious implications. The use of the current temporary facilities has generated concerns from the local building inspector, the state fire marshall's office and insurance company inspectors.

This request is to accommodate the current school student populations which are here and according to the state demographer will be maintained for this part of the state. The Alexandria area is continuing to grow and the Institute needs to grow accordingly.

Effective educational management indicates that 85% occupancy is good and the Alexandria AVTI is operating at 150% occupancy. State evaluators of instructional programs and national accrediting agencies have repeatedly called our attention to various over-crowded conditions.

The Alexandria AVTI desperately needs this construction request if it is to serve the needs of students, employers, and the state. The Institute's general advisory committee and the local board of education have reviewed and endorsed the request unanimously.

DESCRIPTION OF CONSTRUCTION REQUEST: This construction request is designed to provide thirty additional classrooms, twelve shops and laboratories, hallways and mechanical areas. The project calls for 133,280 square feet of floor space to accommodate the necessary instructional and student support areas. A detail listing of the requested areas is attached to this attachment.

ALTERNATIVES:

- A. The school officials have reviewed other school facilities in the immediate area and there are none. The local school district is currently building three school additions to meet K-12 student population needs.
- B. Reduce the AVTI student populations, staff and programs.

ESTIMATED COSTS: Information provided by Traynor, Hermanson, & Hahn
St. Cloud, Minnesota

Land acquisition		Provided by school district
Construction.		\$5,331,200
Non-building costs:		
Architect fees	\$304,000	
Equipment	50,240	
Site work	<u>40,000</u>	
Total non-building costs		<u>394,240</u>
Total project cost		\$5,725,440
Total for this request only		\$5,725,440
Cost/gross square footage		\$ 42.96
Cost/assignable square footage		\$ 60.14
Cash available for this project		\$ 400,000
Other		\$ 458,816

SPACE RELEASED: Temporary buildings to be removed

CHANGE IN ANNUAL OPERATING COSTS: Plant operation would increase 40%

\$ 100,000

BEMIDJI AREA VOCATIONAL-TECHNICAL INSTITUTE

INSTITUTION DETAIL

REQUEST:

\$ 2,826,337.00

JUSTIFICATION:

1. Provide adequate space for present programs.
2. Provide adequate space for expansion of present programs.
3. Provide adequate space for new programs.
4. By remodeling present space, we can provide for safer working conditions for students. (Eliminate sloped floors and improve lighting.)
5. Provide remodeled space and new space to better accommodate competency-based instruction and program articulation.
6. Provide adequate space in existing programs and new programs to accommodate the utilization of the AVTI by high school students.
7. Provide for clustering of related programs by realigning space and location.
8. Provide adequate space for student personnel services.
9. Provide adequate space for administrative offices.
10. Provide adequate storage.
11. Provide adequate space for adult vocational programs and for community use of facilities.
12. Provide adequate toilet facilities to faster the elimination of sex bias in T & I programs.
13. Provide adequate space for food service.
14. Provide adequate space for student activities.
15. Provide adequate space for bookstore and resource centers.
16. Provide Day Care Center facilities to accommodate low-income and minority students.
17. Provide adequate parking for students and visitors.
18. Provide adequate space for Minority service and facilities.
19. Site improvement for:
 - a. Landscaping - beautification
 - b. Leveling of excess school property for recreational use by AVTI students and the community.

DESCRIPTION:

1. Addition to present facility of 44,709 square feet plus a 1,650 square foot greenhouse.
2. Remodeling of present facility to allow for better utilization of space in conjunction with a new space listed above.
3. Provide for necessary parking for 440 automobiles.
4. Provide for landscaping, signs, etc.

ALTERNATIVES CONSIDERED: Because of the economic growth of the Bemidji area, rental space is virtually non-existent.

ESTIMATED COSTS PREPARED BY: Architectural Resources, Hibbing, Minnesota
 Architectural II, Bemidji, Minnesota
 Premo Construction Co., Bemidji, Minnesota

Land acquisition		\$ -0-
Construction		\$ 2,054,300.00
Non building costs:		
Architects fees		\$ 205,300.00
Equipment		\$ 103,300.00
Site work		\$ 138,955.00
Other--remodeling		\$ 324,352.00
Total project cost		\$ 2,826,337
Total for this request only		\$ 2,826,337
	Remodeling	New Const.
Cost/gross square footage	4.43	44.31
Cost/assignable square footage	5.45	51.86
Cash available for this project		\$ -0-
Other revenue available or requests/sources		\$ Bond issue and Upper Great Lakes funds

SPACE RELEASED:

1. The released space will provide for additional space demands of:
Dental Assistant, Sales and Management, Accounting, Practical Business Management, Secretarial-Clerical, LPN, Carpentry, Auto Body, Auto Machinist, and Transportation Occupations.
2. The released space will allow for new programs in: Electronic Business Machine Repair, In-Plant Graphic Communications, Agri-Business, and Production Agriculture.
3. The released space will provide for additional student services such as a Day Care Center and a larger Bookstore.
4. The released space will allow greater custodial storage.

CHANGE IN ANNUAL OPERATING COST:

Plant Operation	\$ 63,700.00
Food Service Program	\$ 60,000.00
	<u>\$123,700.00</u>

Independent School District #917

Dakota County Area Vocational Technical Institute

Harold Grudem - Superintendent
(612) 412-2281 Ext. 214

David Schroeder - Post Secondary Director
(612) 423-2281 Ext. 213

Request: Truck Driver Training Center \$268,000.00

Justification: The present classrooms are housed in a mobile home, with toilet facilities in outdoor satellites. These facilities do not meet the code requirements for the city of Rosemount. Permission to use such facilities was granted by the city, with the understanding that these accommodations would be replaced by a permanent structure.

Description: A permanent structure to replace temporary, noncode compliant facilities (see drawing).

Alternatives Considered: There are no other practical alternatives.

Estimated Costs Prepared By: McGuire - Courteau - Lucke Architects, Inc.

Land acquisition	\$ -0-
Construction	\$210,000.00
Nonbuilding costs	\$ -0-
Architects' fees	\$ 18,000.00
Equipment	\$ 10,000.00
Site work	\$ 20,000.00
Other - Utilities Connections	\$ 10,000.00
<u>Total project cost:</u>	\$268,000.00
<u>Total for this request only:</u>	\$268,000.00
<u>Cost/gross square footage (4,200SF):</u>	\$ 50.00
<u>Cost/assignable square footage (2,775SF):</u>	\$ 75.67
<u>Cash available for this project:</u> (15% of \$268,000.00)	\$ 40,200.00
<u>Other revenue available or requests/sources:</u>	\$ none

Space Released: No additional space will be released as this structure replaces temporary trailers and satellite toilets.

Change in Annual Operating Cost: There will be no change in the unit operating cost.

Independent School District #917

Dakota County Area Vocational Technical Institute

Harold Grudem - Superintendent
(612) 423-2281 Ext. 214

David Schroeder - Post Secondary Director
(612) 423-2281 Ext. 213

Request: Meat Processing Center \$558,000.00

Justification: The present facility was designed to safely accomodate 18 students. With increased demands, there are now two shifts of 24 students each. This addition would provide 24 new work stations, which would eliminate the overcrowding and the need for a second shift so all services are consolidated.

Description: This request is for the construction of additional laboratory space with proper freezers and coolers to enable us to provide good training for students and industry.

Alternatives Considered: None feasible with other facilities due to Federal inspection requirements. We could cut student admission by taking less students and deny Minnesota residents a right to a good trade. This would result in not meeting industry needs in this area for skilled workers.

Estimated Costs Prepared By: McGuire - Courteau - Lucke Architects, Inc.

Land acquisition	\$ -0-
Construction	\$448,000.00
Nonbuilding costs	\$ -0-
Architects' fees	\$ 35,000.00
Equipment	\$ 35,000.00
Site work	\$ 20,000.00
Other - Utilities connection	\$ 20,000.00
<u>Total project cost:</u>	\$558,000.00
<u>Total for this request only:</u>	\$558,000.00
<u>Cost/gross square footage (6,400SF):</u>	\$ 70.00
<u>Cost/assignable square footage (4,800SF):</u>	\$ 93.33
<u>Cash available for this project:</u>	\$ 83,700.00
<u>Other revenue available or requests/sources:</u>	\$ none

Space Released: No additional space will be released.

Change in Annual Operating Cost: Costs for 1977-78 on present 6,400 square feet are \$19,530. Estimated costs for additional 6,400 square feet are \$31,400 or increase of \$11,870.

Department of Education
Granite Falls A.V.T.I.

Request:

\$685,000

Justification: Laboratory, shop facilities, and classroom space for our programs are inadequate for the following reasons:

- | | |
|-----------------------------------|---|
| FLUID
POWER | <ul style="list-style-type: none">a) Equipment is crowded in the present shop.b) Increased enrollment requires additional space.c) Space for applied science is needed in conjunction with Fluid Power curriculum.d) Current use of lab is 10 hours per day plus adult evening school.e) We presently have to over-lap with first and second year students sharing lab facilities.f) Presently - only one classroom is available for Fluid Power students that is adjacent to the lab. |
| SPECIAL
NEEDS | <ul style="list-style-type: none">a) Special Needs presently has no permanent location in the institution.b) Coordinator is housed in a storage room.c) Tutors have no regularly assigned space for instruction.d) Special Needs area was requested in 1978, construction request and was not funded. |
| FARM
MANAGEMENT | <ul style="list-style-type: none">a) We presently are renting a facility for farm mechanics that is approximately one mile from the campus.b) Rented space cannot accommodate larger farm machinery that students work on.c) Classroom and shop are separated which involves student travel.d) Ag department and instructors are fragmented. |
| PLANT
MAINTENANCE
MECHANICS | <p>-- New program approved for 1978-1979
Initial Funding - C.E.T.A.</p> <ul style="list-style-type: none">a) This program will require a training laboratory and classroom. |

Description: A 16,000 square foot addition to the west end of the existing building. (See attached sketch)

Alternatives Considered: No suitable space is available in the community.

Estimated Costs - Prepared by Elroy Burgeson from preliminary information received from architect.

Land Acquisition	\$ - 0 -
Construction/Site work	\$640,000
Architects Fees	\$ 45,000
Equipment	<u>\$ - 0 -</u>
Total	\$685,000
Total this request	\$685,000
Cost/gross Sq. Footage	\$ 40
Cost/Assignable Sq. Footage	
Cash available for Project	\$102,750
Other Revenue	- 0 -

Space Released:

- a) A rented facility costing \$550 per month (1978-79) (5,200 Sq. Ft.)
- b) A storage room of 99 Sq. Ft.
- c) The existing Fluid Power Shop of 3,650 Sq. Ft. and a classroom of 608 Sq. Ft. that will become a Farm Management Shop and Classroom.

Change in Annual Operating Costs:

Present Existing Costs - Rented Facility

Rent	\$ 6,600
Utilities	<u>\$ 1,967</u>
	<u>\$ 8,567</u>

Estimated Annual Operating Cost - New Construction

Based on existing Building Cost 51¢ per Sq. Ft.

16,000 Sq. Ft. @ .51 = \$ 8,160

Operating Cost Net Savings \$ 407

HUTCHINSON AREA VOCATIONAL-TECHNICAL INSTITUTE
200 CENTURY AVENUE
HUTCHINSON, MN 55350
INDEPENDENT SCHOOL DISTRICT #423

AGENCY NAME
INSTITUTION NAME
INSTITUTION DETAIL

REQUEST: 2nd Expansion Phase

JUSTIFICATION: The Hutchinson Area Vocational-Technical Institute has Ag Systems-Structures, Dairy Herd Managment, and one section of Auto Mechanics in leased facilities. The cost for leasing these facilities in Fiscal Year 1979 is \$25,094.76. The management, economy, and student body unity is not possible with the existing facilities utilization. The existing building lacks adequate space in the Sales & Marketing, and the Farm Mechanics Diesel Training Programs. Student parking needs to be expanded when the students from rented buildings relocate to 200 Century Avenue. Energy Conservation makes it imperative to up-grade the heating system.

DESCRIPTION:

ALTERNATIVES CONSIDERED: Continue to operate in leased buildings.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$ -0-
Construction	\$2,650,000
Non-building costs	\$
Architects fees	\$ 200,000
Equipment	\$ -0-
Site work	\$ 185,000
Other Contingency	\$ 284,000
Total project cost	\$3,319,000*
Total for this request only	\$3,319,000*
Cost/gross square footage	\$ 50
Cost/assignable square footage	\$ 50.76
Cash available for this project	\$ -0-
Other revenue available or requests/sources	\$ 497,850

SPACE RELEASED: Eliminate leasing buildings for Dairy Herd Management, Ag Systems-Structures, and Auto Mechanics.

CHANGE IN ANNUAL OPERATING COST: \$25,094.76 could be cut from annual budget for leasing and fuel/electrical costs could be saved with modern, up-to-date equipment.

HUTCHINSON AREA VOCATIONAL-TECHNICAL INSTITUTE
200 CENTURY AVENUE
HUTCHINSON, MN 55350
INDEPENDENT SCHOOL DISTRICT #423

* Retrofit of existing electrical heating units is inclusive in the total project cost of \$3,319,000.00. It is estimated \$138,336.00 would be spent in retrofit if expansion was approved. If total expansion request is not approved, but only heating retrofit, the cost would be estimated to be higher because of the size of the construction job.

JACKSON AREA VOCATIONAL TECHNICAL INSTITUTE

SPECIAL NEEDS DEPARTMENT

REQUEST: Request is hereby made to build a facility to house a Special Needs Resource Center.

JUSTIFICATION: This request is justified on the basis that we are presently using what was intended as a small library and Recreational Reading Area as our Special Needs Resource Center. This space is 20' x 30' and presently houses as many as seven tutors at a time. This facility offers no privacy, is noisy, lacks space for audio-visual equipment utilization and storage space for materials, no opportunity for private study by the handicapped and disadvantaged students, can be offensive with body odors and very distracting to students. This is especially true since most students are either slow learners or are trying to learn the English language under conditions when it is very important to hear the various sounds. To more fully illustrate the magnitude of the problem, at the present time we serve approximately 200 handicapped and disadvantaged students in this facility each year.

DESCRIPTION: A facility 64' x 84' to be attached to the northwest corner of our present building. This building to be constructed of the same materials as used in the present facility. It is the architect's opinion that this addition will give our building a pleasant and well balanced appearance.

ALTERNATIVES: Alternatives considered have included trying to free up space presently being used by other departments. This has proven fruitless. Renting a facility downtown would not be practical from the stand point of student accessibility.

ESTIMATED COSTS: Prepared by Delbert C. Schwieger, Director, with consultation from Jim Kagermeier, registered architect

Land Acquisition	\$ 00.00
Construction	232,500.00
Architect's Fees	17,500.00
Site Work	<u>00.00</u>

TOTAL PROJECT COSTS \$250,000.00

TOTAL THIS REQUEST \$250,000.00

GROSS COST PER SQUARE FOOT \$ 46.50

COST PER ASSIGNABLE SQUARE FOOT \$ 50.00

CASH AVAILABLE: Money to meet local effort

NO OTHER REVENUE AVAILABLE

SPACE RELEASED: The space released will again be used for a school library and recreational reading area.

CHANGED IN ANNUAL OPERATING COST: The only change in the annual operating cost will be utility cost of heat, light, etc.

INDEPENDENT SCHOOL DISTRICT NO. 77
MANKATO AREA VOCATIONAL-TECHNICAL INSTITUTE

REQUEST: Priority 1 \$ 2,107,660.00

JUSTIFICATION: See attached justification for Priority 1

DESCRIPTION: Agriculture, Auto Body, Emergency Medical Services
and Welding.

ALTERNATIVES CONSIDERED: Renting space

ESTIMATED COSTS PREPARED BY: John A. Votca, Director

Land acquisition	None
Construction (57,000 square feet @ \$40)	\$ 2,280,000.00
Non-building costs	
Architects fees (@ 7 percent)	\$ 159,600.00
Equipment	\$ 10,000.00
Site work (general)	\$ 10,000.00
Boiler room addition	\$ 20,000.00
Total for this request only	\$ 2,479,600.00
Cost/gross square footage	\$ 43.50
Cost/assignable square footage (41,000 sq. ft.)	\$ 60.48
Cash available for this project (15 percent local)	\$ 371,400.00
Other revenue available or requests/sources:	

See Priority 2 for local fund balance.

SPACE RELEASED: See description

CHANGE IN ANNUAL OPERATING COST:

1 custodian	\$ 9,000.00
Electricity (@ 41¢ per square foot)	\$ 23,370.00
Fuel (@ 28¢ per square foot)	\$ 16,960.00
Total additional cost	\$ 49,330.00

INDEPENDENT SCHOOL DISTRICT NO. 77
MANKATO AREA VOCATIONAL-TECHNICAL INSTITUTE

REQUEST: Priority 2 \$ 942,888.00

JUSTIFICATION: See attached justification for Priority 2

DESCRIPTION: Student Personnel Services, Bakery Sales, Bookstore,
Student Lounge, Media Center, Special Needs Learning
Center, Commons, Communications Lab and Storage

ALTERNATIVES CONSIDERED: We have provided split shifts to a
maximum.

ESTIMATED COSTS PREPARED BY: John A. Votca, Director

Land acquisition	None
Construction (25,100 square feet @ \$40)	\$ 1,004,000.00
Non-building costs	
Architects fees (@ 7 percent)	\$ 70,280.00
Equipment	None
Site work (general)	\$ 15,000.00
Parking lot	\$ 20,000.00
Total for this request only	\$ 1,109,280.00
Cost/gross square footage (25,100 sq. ft.)	\$ 44.19
Cost/assignable square footage (22,000 sq. ft.)	\$ 50.42
Cash available for this project	\$ 166,392.00
Other revenue available or request/sources:	

See local fund balance.

SPACE RELEASED: See description

CHANGE IN ANNUAL OPERATING COST:

Custodial	\$ 5,000.00
Electricity (@ 30¢ per square foot)	\$ 7,530.00
Fuel (@ 20¢ per square foot)	\$ 5,020.00
Total additional cost	\$ 17,550.00

MOORHEAD

INSTITUTION DETAIL

REQUEST: Agriculture Shop Building \$ 180,000.00

JUSTIFICATION: We are not adequately teaching the mechanical aspects of our agriculture program due to conflicts in scheduling with other instructional programs.

DESCRIPTION: Pre-engineered steel building of 6,000 square feet.

ALTERNATIVES CONSIDERED: We have tried using other departmental shops when they are vacant, but this restricts when we can use them and what we can bring in to disassemble, repair, etc.

ESTIMATED COSTS PREPARED BY: Oscar R. Bergos, director

Land acquisition	\$	-0-
Construction	\$	171,000.00
Non-building costs	\$	-0-
Architects fees	\$	9,000.00 (5%)
Equipment	\$	-0-
Site work	\$	-0-
Other	\$	-0-
Total project cost	\$	180,000.00
Total for this request only	\$	-0-
Cost/gross square footage	\$	30.00 per sq.ft.
Cost/assignable square footage	\$	30.00 per sq.ft.
Other revenue available of request/sources	\$	*20,000.00

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST

Add heat	\$	3,000.00
Add electricity and water	\$	800.00
Add supplies	\$	1,000.00
	\$	<u>4,800.00</u>

*We anticipate that our fund reserves will allow total construction from local funds. Hopefully, up to \$20,000 in U.G.L.R.C. funds could be obtained to assist in this project. We would need approval from the State Board of Education to transfer the monies from the general to the capital fund.

SPECIAL INTERMEDIATE SCHOOL DISTRICT 916
916 AVTI
INSTITUTION DETAIL

REQUEST: Improve existing instructional facilities to eliminate over-crowded instructional conditions of existing programs and to finish out the campus. \$2,675,000

JUSTIFICATION: The 916 Area Vo-Tech Institute operates a year-around instructional program with 2,700 post secondary and high school students attending daily. The facility has 1,400 training stations in a gross space of 265,000 square feet. The institution also leases the Galls School (27,600 sq. ft) from School District 624. Our on-going adult extension FTE membership is nearly 400. Thus, the AVTI has currently enrolled approximately 3,100 students in ADM. About 3,000 different students utilize the 1,400 stations daily. The cafeteria has a capacity of 455 eating stations. Additional food service space is needed.

Other specific improvements to existing instructional facilities to eliminate over-crowded instructional conditions in existing programs are:

1. Electro-mechanical Technician and Radio TV Repair are two-year programs each crowded into one-year facilities.
2. The Paramedic Technician Program occupies space badly needed by the Central Service Technician Program.
3. 916 AVTI Data Processing career training was expanded to include second year Computer Programmer training for the entire metro area. This procedure was adopted by the State Department of Education to reduce number of computers required in the metro area. This had added up to 60 students per year which were not planned in the original construction.
4. Seventeen of 55 post-secondary programs operate on double shifts. Offices and instructor learning resource center space for these added personnel were not planned in the original construction.
5. Counseling and admissions space were planned for 850 post-secondary students. They now number 1600-1700.
6. The generally low levels of mathematics and reading skills in entry-level students were not anticipated, and there is a current need for space for pre-vocational training to help meet those needs.
7. There is insufficient locker space and support classrooms for present enrollment.

916 Area Vo-Tech Institute is a continuous-stream operation, twelve months a year, accepting new students the first Monday of each month. Graduation occurs on a variable-time basis whenever the student masters the specified competencies. In this structure, the 916 Institute has a regular on-going waiting list of 2,000-3,000 post-secondary students. There also are many part-time adult students attending during the day. Two of its component

districts are still growing (Stillwater and South Washington County). Thus, decreasing numbers of secondary graduates are not expected to have a major impact on enrollments at the 916 AVTI.

High school students attending the 916 Cooperative High School Center are in the same enrollment proportion to post-secondary as originally planned. This is in accordance with the original component districts agreement. Thus no state funds have been used for secondary vocational facilities, and none are requested now. If secondary students were eliminated from the facility their program slots could be immediately filled with post-secondary students from the waiting lists. The construction needs would not change.

The addition requested is a component of the original plan for the 916 Area Vo-Tech Institute. It will not require any additions to the central heating and air conditioning systems. The 916 District share of construction is intended to be funded from balances and will not require an increase in local property taxes.

DESCRIPTION: Construct a third wing to the existing facility. Presently assignable space would be as follows:

1. Construct space for Office and Distributive Programs and their Learning Resource Center. This will free space for Career Data Processing and for cafeteria facilities.

20,000 square feet \$1,000,000

2. Construct space for Electro-Mechanical Technology freeing that present space for Radio/TV Repair.

2,000 square feet \$ 150,000

3. Construct space for Paramedic Technician freeing present space for Central Service Technicians.

2,000 square feet \$ 100,000

4. Construct space for administrative offices freeing space for counseling and admissions, pre-vocational training and computer assisted instruction.

4,000 square feet \$ 200,000

5. Construct space for support classrooms to support on-going programs (6).

4,200 square feet \$ 150,000

6. Construct new student locker alcove

1,500 square feet \$ 75,000

7. Construct new instructor resource center.

1,500 square feet \$ 75,000

8. Support space.(Halls, stairs, etc.)

	<u>2,880 square feet</u>	<u>\$ 144,000</u>
Subtotal	39,080 square feet	\$1,894,000

II. Expand instructional space for three additional approved (HECB and State Board) programs.

1. Construct space for the Housekeeping Aid program. This program will enable the District to provide additional instructional and placement of students with special needs.

1,200 square feet	\$ 60,000
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2. Food Processing Technician is an emerging occupation strongly recommended by the Industrial Advisory Committee.

3,000 square feet	\$ 150,000
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3. Vending Machine Repair & Merchandising. This occupation also has a strong recommendation from the Industrial Advisory Committee.

4,800 square feet	\$ 240,000
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4. Pharmacy Assistant has also been strongly recommended by the Pharmacy Advisory Committee as an emerging occupation and is being reviewed by the State Pharmacy Board.

2,400 square feet	\$ 120,000
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5. Support space (Halls, stairs, etc.)

	<u>720 square feet</u>	<u>\$ 36,000</u>
Subtotal	<u>12,120 square feet</u>	<u>\$ 606,000</u>

Total Planned Construction	51,200 square feet	\$2,500,000
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Architectural Fees		<u>\$ 175,000</u>
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TOTAL REQUEST		\$2,675,000
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ALTERNATIVE CONSIDERED:

1. Special Intermediate District 916 currently leases 85,540 square feet from component districts for special education and vocational programs. The proposed construction is not intended to reduce that need. The proposal also is not intended to reduce the number of programs (17) now being conducted on second shifts.
2. District 916 policy requires consideration of lease of space from components before constructing. Requested funds could be used for purchase and remodeling of these facilities, if suitable space and location available.

3. District 916 experience indicates the cost of remodeling elementary schools for vocational and special education purposes is about 75% of the cost of new on-site construction, while still retaining the characteristics of an old building, and not acquiring ownership of the building.
4. Although direct comparison data is not possible at this time, informal review indicates increased maintenance and administrative costs at satellite locations and decreased parent and student satisfaction.
5. 916 Area Vo-Tech regularly enrolls 30-40% of its regular post-secondary population from adult handicapped, disadvantaged, DVR, Welfare, BIA, incarcerated, and CETA (unemployed). This population is not expected to materially diminish in the future.

ESTIMATED COSTS PREPARED BY: Matson, Wegleitner, Abendroth Architects, Inc.

Land acquisition	\$	---
Construction		2,500,000
Non-building costs		---
Architects fees		175,000
Equipment		93,319
Site work		---
Other		---
 Total Project Cost		 \$2,768,319
 Total for this request only		 \$2,675,000
 Cost/gross square foots: 51,200 sq. feet	\$	 48.83
 Cost/assignable square footage	\$	 48.74 instructional
Instructional 47,600, non-assignable, 3,600 sq.ft.	\$	50.00 non-assignable
Cash available for this project	\$	93,319
Other revenue available or requests/sources		\$2,675,000

SPACE RELEASED: Galls Elementary School leased facility.

CHANGE IN ANNUAL OPERATING COST: The current central heating and air conditioning will not require additions. An additional fuel usage cost of \$10,752 is projected. One additional custodial staff may be required, \$10,400. Total operation cost \$21,152.00.

INDEPENDENT SCHOOL DISTRICT NO. 535
ROCHESTER AREA VOCATIONAL-TECHNICAL INSTITUTE
INSTITUTION DETAIL

REQUEST:

\$4,300,000

JUSTIFICATION: Many of the vocational programs which are offered in Rochester are housed in rented and other inadequate facilities which, in addition, will not be available to the institute in the near future. This year (June, 1978) the citizens of Rochester authorized the construction of a new junior high school. This new junior high school will replace two buildings located in downtown Rochester which houses a junior high school and the administrative offices of Independent District No. 535. When these two older buildings are sold, some of the specialized K-12 programs and the district administrative offices will be moved to the facilities that are currently being used by the vocational institute. It is anticipated that the new junior high school will be completed by 1980 and the move made shortly thereafter. Therefore, the school district facilities now used by the institute will have to be vacated by that date. (See attached letter from the superintendent of schools.)

DESCRIPTION: The institute in Rochester lies on a 39 acre parcel of land. Substantial space is available for additional construction. This request would provide resources to construct a two story facility on the west side of the existing building to accomodate programs which are currently housed elsewhere in the community. At the time when the institute was initially constructed, a single heating system was not built in order to reduce construction costs. Instead, roof top heating units which use natural or propane gas were installed; these units were designed to heat small sections of the building. The roof top units have proved to be very inefficient, requiring a great deal of maintenance and repair. In recent years it has also become extremely difficult to obtain replacement parts. The roof top furnaces use primarily natural gas which becomes unavailable in colder weather when all natural gas is diverted from schools and industrial uses to home uses. The alternate fuel, propane, is exceedingly expensive; and, in the past, has at times been difficult to obtain. What is needed is a central heating plant which could be easily converted to coal if the energy situation continues to deteriorate. We can no longer depend on natural gas and propane gas as our only heating alternatives.

The fire marshall has informed us that, under new codes and regulations, it is no longer possible for the AVTI to be protected against fires unless a sprinkler and/or other safety systems are installed. This sprinkling protection would include both the present building which is not equipped with sprinklers and any new proposed construction. It is our understanding that he has the authority to disallow construction at the institute unless the safety codes are met, and he has clearly stated that he will do this. (See attached letter.) Therefore, this proposal includes an allocation to provide fire safety systems for the entire building.

ALTERNATIVES CONSIDERED: The four township area in which the AVTI is located is one of the fastest growing areas in the state. We have considered utilization of space at several sources. Rental space suitable for educational programs is generally unavailable in the Rochester area. Because the rental space is generally not available, the cost for such space is exceedingly high; this makes construction a more economical alternative.

A community college which is located adjacent to the institute has been contacted; and, although they would--if they had it available--provide the institute with additional space, they simply do not have any space or facilities available for our usage. This is also true of the State Hospital which is located in Rochester. Because of the growth and development of the Rochester area, we have found no viable alternatives other than the construction of new facilities.

ESTIMATED COSTS PREPARED BY: Architectural Design Group, Inc.

Land acquisition:	\$	
Construction	\$	3,000,000
Non-building costs		
Architect's fees	\$	250,000
Equipment	\$	
Site work	\$	
Other		
Existing bldg. heating system update	\$	750,000
Existing bldg. fire exting. (sprinkler)	\$	300,000
Total project cost	\$	4,300,000
Total for this request only	\$	4,300,000
*Cost/gross square footage	\$	55.12
*Cost/assignable square footage	\$	78.74
Cash available for this project	\$	
Other revenue available or requests/sources	\$	

*Not including fees, heating system up date in existing building, and automatic fire extinguishing system (sprinkler).

SPACE RELEASED: Space which will be released by the construction is not owned by the institute, and would not be available for other state agencies. Spaces which we are currently using is owned by Independent District No. 535 and is needed for K-12 programs.

CHANGES IN ANNUAL OPERATING COSTS:

Excess costs for Educational Services building:	\$49,000
Annual custodial costs for the ESC Bldg:	\$13,000
Excess costs for operating Skyline building:	\$ 9,000
	<u>\$71,000</u>

The change from a roof top type heating unit to a centralized heating unit could result in an undetermined figure savings, estimated at from 2 to 5% of current costs.

Additional costs for possible construction would include \$53,012 for operating costs; i.e.: heat, lights, utilities, custodial supplies, etc.

ST. CLOUD AREA VOCATIONAL-TECHNICAL INSTITUTE

REQUEST: Expansion of Facilities \$450,000

Justification: There is need to provide a bookstore, student service area and franchise food training.

Description: Three walls already exist between G and E Wings and would provide approximately 7,500 square feet.

Alternatives Considered: There are no other school facilities available.

Estimated Costs Prepared By: Traynor-Hermanson and Hahn

Construction	\$402,000
Non-Building Costs	
Architects Fees	32,000
Equipment	10,000
Site Work	5,000
Other	1,000

Total project cost \$450,000

Total for this request only \$450,000

Cost/gross square footage \$ 60/sq. ft.

Cost/assignable square footage \$ 60/sq. ft.

Cash available for this project \$ 67,500

Space released: Current bookstore space would be utilized by our Financial Aids Office.

Change in Annual Operating Cost: Change in operating cost would be in utilities and two staff members.

Utilities would increase by \$5,330.

Staff would increase by adding one instructor at approximately \$15,000 and one custodian at approximately \$12,000.

ST. CLOUD AREA VOCATIONAL-TECHNICAL INSTITUTE

REQUEST: Expansion of Facilities \$325,000

Justification: Need for general and instructional storage.

Description: Enclose courtyard area between A and B Wings.

Alternatives Considered: No school buildings are available.

Estimated Costs Prepared By: Traynor-Hermanson and Hahn

Construction	\$284,000
Non-Building Costs	
Architects fees	25,000
Equipment	10,000
Site Work	5,000
Other	1,000
Total project cost	\$325,000
Total for this request only	\$325,000
Cost/gross square footage	\$ 25/sq. ft.
Cost/assignable square footage	\$ 25/sq. ft.
Cash available for this project	\$ 48,750

Space released: Space released in other areas would allow for better utilization. Automotive would have vehicle storage.

Change in Annual Operating Cost: Utilities would increase. No staff additions are planned.

Utilities would increase by \$8,550.

ST. CLOUD AREA VOCATIONAL-TECHNICAL INSTITUTE

REQUEST: Expansion of Facilities \$1,800,000

Justification: Most of the Building Trades courses are in inadequate facilities.

Description: This would be a wing attached to B Wing on the South side.

Alternatives Considered: There are no other school facilities available.

Estimated Costs Prepared By: Traynor-Hermanson and Hahn

Construction	\$1,635,000
Non-Building Costs	
Architects fees	125,000
Equipment	25,000
Site Work	10,000
Other	5,000

Total project cost \$1,800,000

Total for this request only \$1,800,000

Cost/gross square footage \$ 60/sq. ft.

Cost/assignable square footage \$ 60/sq. ft.

Cash available for this project \$ 270,000

Space released: Space released would be used for Machine Shop, Electronics, Agriculture and Health Sciences.

Change in Annual Operating Cost: Utilities would increase and one staff member added.

Utilities would be increased by \$21,325.

Staff would increase by adding one instructor at approximately \$15,000.

INDEPENDENT SCHOOL DISTRICT #625
ST. PAUL AREA TECHNICAL VOCATIONAL INSTITUTE

INSTITUTIONAL DETAIL

REQUEST: Project Construction Funding

\$ 17,493,200

JUSTIFICATION: The St. Paul Area Technical Vocational Institute (TVI), a part of Independent School District #625, is assigned the mission of providing vocational technical training and services on the post-secondary level to St. Paul residents, greater metropolitan area, Minnesota residents, and residents beyond state boundaries. TVI's function and mission will remain unchanged in the years ahead. However, because of projected increase in numbers and demands, the total operation and services will be on an expanded basis, including remodeling and additional facilities.

It will be the mission of the St. Paul District to continue providing and adjusting relevant and quality vocational training and student support services on a continuum to meet technological changes in business and industry.

As an inner-city institute, service to a large concentration of appropriate publics (including the handicapped, disadvantaged and minorities and others in accordance with new federal legislation) will be continued and remain relevant to financial support.

Several in-depth investigations of the program and space conditions were made by citizen groups, TVI Occupational Advisory Committees, District Task Force, and District Office of Plant Planning and Maintenance. The findings and recommendations were thoroughly reviewed by the St. Paul Board of Education. The subsequent conclusion is that in order to meet District responsibilities for post-secondary and adult vocational training, service to the community, additional space is required.

DESCRIPTION: Project construction funding for a 195,000 square foot addition.

ALTERNATIVES CONSIDERED: Temporary portable classrooms, satellite locations, differential staffing and scheduling are currently being utilized to assist in satisfying space needs. Leasing of additional commercial or institutional space for instruction and storage is currently being evaluated and studied to also assist in satisfying space needs. A final alternative is dependent on the outcome of legislative action concerning this project. If this project is not approved and/or the St. Paul citizenry will not support the necessary referendum a reduction in program and services will be required.

ESTIMATED COSTS PREPARED BY: Jene Sigvertsen, Exec. Dir., Plant Planning & Maint.

Land acquisition	\$ 0
Construction	13,260,000
Non-building costs	
Architects fees	968,000
Equipment	3,000,000
Site work (included in Construction Estimate)	0
Other - Contingency @2%	265,200
Total project cost	17,493,200
Total for this request only	14,860,220
Cost/gross square footage - @\$68/sq. ft.	13,260,000
Cost/assignable square footage - @\$68/sq. ft.	8,614,920
Cash available for this project	0
Other revenue available or requests/sources	0

SPACE RELEASED: If the expansion and remodeling as planned is accomplished, a number of Health-care training instructional areas will be relocated. They are as follows:

- Room 227 (Practical Nursing Laboratory)
- Room 222 (Practical Nursing Classroom)
- Room 224 (Practical Nursing Classroom)
- Room 221 (Medical Lab Tech Classroom)
- Room 226 (Hospital Services Coord. Lab)

The above areas will, because of the overall increase in student enrollments, be utilized as general related-complementary instructional areas for the total program offering and for evening adult vocational extension programs.

- Room S-18 - Evacuated Ind. Hyd. & Pneumatics area will be utilized by Related Machine Shop.
- Room 229 - Will be used by Kitchen Helper Training.
- Room 331 - To be used by Clerical Refresher expansion.
- Room 329 - To be used for third Chem Tech Lab/Classroom.
- Room 309 - To be used by Med. Lab Tech program.
- Room N-12 - The bricklaying, cement finishing and ironworking instructional center by relocation, will release the area and it will be assigned needed central storage.
- Room S-11) The present Painting and Decorating training areas will be assigned to
- Room S-12)- the Floorcovering training program which has been forced to operate in
- Room S-14) makeshift quarters at the industry's expense outside TVI facilities.

CHANGE IN ANNUAL OPERATING COST: FY1981 estimated increase - \$1,750,000 or an increase from \$10,500,000 to \$12,250,000.

JISD 287
INSTITUTION DETAIL

REQUEST: Priority One \$ 281,581

JUSTIFICATION:

- Relieve an overcrowded, unsafe condition. Marine & Recreation and Auto Machine now sharing same facility and experience safety, instructional, security, and storage problems.
- Expansion need for one additional section of Marine & Recreation. Expansion is within approved district training output level and provides for double shifting thereby enabling fuller utilization of equipment and facility. Strong placement, ADM and student interest exists and is projected to continue.
- Enables more extensive usage of the service station facility and Marine and Recreation equipment.
- Addition would serve secondary, post-secondary, and adult students.

DESCRIPTION:

Expand the South Campus service station facility to the size of A-117 (4,800 sq. ft.) Would handle either Marine and Recreation, Auto Machinist, or Basic Auto Mechanic. Exact program and internal configuration is dependent on further analysis and detailed architectural studies. Rearrangement of adjacent programs might also occur.

ALTERNATIVES CONSIDERED:

Several alternatives were studied in the process of deciding upon the above described request. Among the alternatives considered were addition of a third post secondary shift, conversion of a surplus facility, rental of off campus space, elimination of programs/sections, rearrangement of the facility, potential compatible space elsewhere in the buildings, different scheduling options, potential changes in a programs design/space requirements, and different room sharing combinations.

ESTIMATED COSTS PREPARED BY:

Land acquisition	(Owned by District)	\$	0
Construction	(4,800 X \$75 sq. ft.)	\$	360,000
Non-building costs		\$	
Architects fees	(7%)	\$	25,200
Equipment		\$	12,375
Site Work	(included in construction)	\$	-
Other		\$	-

TOTAL PROJECT COST	\$ 397,575
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TOTAL FOR THIS REQUEST ONLY

Total Cost	385,200
Minus Secondary (14%)	53,928
85% of Remainder (State Share)	281,581

\$ 281,581 (Does not include
Equipment)

COST/GROSS SQUARE FOOTAGE:

$$(360,000 \div 4800 \text{ sq. ft.})$$

\$ 75 square foot

COST/ASSIGNABLE SQUARE FOOTAGE
(360,000 ÷ 3936)

\$ 91.46

CASH AVAILABLE FOR THIS PROJECT

\$3,765,000 (May 31, 1978)

OTHER REVENUE AVAILABLE OR REQUEST/SOURCES

\$ 0

SPACE RELEASED:

Secondary service station would be discontinued and space utilized by one of the programs listed above.

CHANGE IN ANNUAL OPERATING COST:

One additional section of Marine and Recreation (+ 32,960)

Two sections of secondary service station would be discontinued (- 14,345)

Dollar amount from biennium budget minus equipment.

JISD 287
INSTITUTION DETAIL

REQUEST: Priority Two

\$ 879,941

JUSTIFICATION:

- Repeated advisory committee recommendations and industry demands for additional Diesel Mechanics.
- Expansion of two new diesel sections is within the approved district training output level and provides for double shifting, thereby enabling fuller utilization of facility and equipment. Strong placement, ADM, and student interest exists and is projected to continue.
- Addition would serve post secondary and adult students.
- Would address storage, security, and instructional space needs for Diesel, Truck and Trailer, and Auto Parts program.

DESCRIPTION:

Addition of 15,000 square feet to the North Campus A Block to provide space needed for Diesel, Truck & Trailer and Auto Parts. Exact location and internal configuration is dependent on further analysis and detailed architectural studies. Rearrangement of adjacent programs might also occur.

ALTERNATIVES CONSIDERED:

Several alternatives were studied in the process of deciding upon the above described request. Among the alternatives considered were addition of a third post secondary shift, conversion of a surplus facility, rental of off campus space, elimination of programs/sections, rearrangement of the facility, potential compatible space elsewhere in the buildings, different scheduling options, potential changes in a programs design/space requirements, and different room sharing. room sharing combinations.

ESTIMATED COSTS PREPARED BY:

Land acquisition	(Owned by District)	\$	0
Construction	(15,000 x \$75 sq. ft.)	\$	1,125,000
Non-Building Costs		\$	
Architects Fee	(7%)	\$	78,750
Equipment		\$	60,000
Site Work	(Included in Construction)	\$	-
Other		\$	-

TOTAL PROJECT COST: \$ 1,263,750

TOTAL FOR THIS REQUEST ONLY:

Total Cost	1,203,750
Minus Secondary (14%)	168,525
85% of Remainder (State Share)	879,941

\$ 879,941 (Does not include
Equipment)

COST/GROSS SQUARE FOOTAGE:

(\$1,125,000 ÷ 15,000)

\$ 75 square foot

COST/ASSIGNABLE SQUARE FOOTAGE:
(\$1,125,000 ÷ 12,300)

\$ 91.46

CASH AVAILABLE FOR THIS PROJECT:

\$ 3,765,000 (May 31, 1978)

OTHER REVENUE AVAILABLE OR REQUESTS/SOURCES

\$ 0

SPACE RELEASED:

Present parts area to be converted to an area resource center or tool crib

CHANGE IN ANNUAL OPERATING COST:

Two additional sections of Diesel (+81, 412)

Dollar amount from biennium budget minus equipment.

JISD 287
INSTITUTION DETAIL

REQUEST: Priority Three

\$ 844,744

JUSTIFICATION:

- Expansion need for one additional section of Welding. Expansion is within approved district training output level. Strong placement, ADM and student interest exists and is projected to continue.
- Transfer one section from temporary, rental facilities thereby eliminating rental costs and providing direct access to necessary support services available on campus (e.g. counseling, cafeteria, IMC, bookstore, lounge, etc).
- Address safety, overcrowded, storage, and security needs.
- Enable necessary instruction to be provided which space now hampers (e.g. metal fabrication, metallurgy and weld inspection).
- Provide necessary storage/receiving area.
- Welding area serves secondary, post secondary and adult students as well as providing related welding instruction to other vocational programs.

DESCRIPTION:

Addition of 7,200 square feet to the D Block at each campus (14,400 total) to provide space needed for Welding and Welding storage/receiving. The internal configuration is dependent on further analysis and detailed architectural studies.

ALTERNATIVES CONSIDERED:

Several alternatives were studied in the process of deciding upon the above described request. Among the alternatives considered were addition of a third post secondary shift, conversion of a surplus facility, rental of off campus space, elimination of programs/sections, rearrangement of the facility, potential compatible space elsewhere in the buildings, different scheduling options, potential changes in a programs design/space requirements, and different room sharing. room sharing combinations.

ESTIMATED COSTS PREPARED BY:

Land acquisition	(Owned by District)	\$ 0
Construction	(14,400 sq. ft. x \$75 sq. ft.)	\$1,080,000
Non-Building Costs		
Architects Fee	(7%)	\$ 75,600
Equipment		\$ 20,000
Site Work	(Included in Construction)	\$ -
Other		\$ -

TOTAL PROJECT COST: \$1,175,600

TOTAL FOR THIS REQUEST ONLY:

Total Cost	1,155,600
Minus Secondary % (14%)	161,784
85% of Remainder (State Share)	844,744

\$ 844,744 (Does not include Equipment)

COST/GROSS SQUARE FOOTAGE:	
(1,080,000 ÷ 14,400)	\$ 75 square foot
COST/ASSIGNABLE SQUARE FOOTAGE:	
(1,080,000 ÷ 11,808)	\$ 91.46 square foot
CASH AVAILABLE FOR THIS PROJECT:	\$3,765,000 (May 31, 1978)
OTHER REVENUE AVAILABLE OR REQUESTS/SOURCES:	\$ 0

SPACE RELEASED:

8,400 square foot temporary, rental facility

CHANGE IN ANNUAL OPERATING COST:

One additional section of Welding (+32,865)
 Rental facility (Welding) would be discontinued (-27,950 in 1978-79 dollars)
 Dollar amount from biennium budget minus equipment.

JISD 287
INSTITUTION DETAIL

REQUEST: Priority Four

\$ 375,442

JUSTIFICATION:

- Relieve an overcrowded unsafe condition in Auto Body
- Address safety, instructional (content and time), security and storage problems of Auto Body and Auto Parts.
- Continue to meet labor market needs - strong placement, student interest, and ADM exists and is projected to continue.
- Enable incorporation of production into program providing desired work experience (curriculum, benefits) for the student and reducing program costs.
- Addition would serve secondary, post secondary, and adult students.

DESCRIPTION:

Addition of 6,400 square feet to the South Campus A Block to provide space needed for Auto Body and Auto Parts. Exact location and internal configuration is dependent on further analysis and detailed architectural studies. Rearrangement of adjacent programs might also occur.

ALTERNATIVES CONSIDERED:

Several alternatives were studied in the process of deciding upon the above described request. Among the alternatives considered were addition of a third post secondary shift, conversion of a surplus facility, rental of off campus space, elimination of programs/sections, rearrangement of the facility, potential compatible space elsewhere in the buildings, different scheduling options, potential changes in a programs design/space requirements, and different room sharing. room sharing combinations.

ESTIMATED COSTS PREPARED BY:

Land acquisition	(Owned by District)	\$	0
Construction	(6,400 x \$75 sq. ft.)	\$	480,000
Non-Building Costs		\$	
Architects Fee	(7%)	\$	33,600
Equipment		\$	25,000
Site Work	(Included in Construction)	\$	-
Other		\$	-

TOTAL PROJECT COST: \$ 538,600

TOTAL FOR THIS REQUEST ONLY:

Total Cost	513,600
Minus Secondary (14%)	71,904
85% of Remainder (State Share)	375,442

\$ 375,442 (Does not include Equipment)

COST/GROSS SQUARE FOOTAGE:

$$(\$480,000 \div 6,400)$$

\$ 75 square foot

COST/ASSIGNABLE SQUARE FOOTAGE:
(\$480,000 ÷ 5,248)

\$ 91.46

CASH AVAILABLE FOR THIS PROJECT

\$ 3,765,000 (May 31, 1978)

OTHER REVENUE AVAILABLE OR REQUESTS/SOURCES

\$ 0

SPACE RELEASED:

Present parts area to be converted to an Area Resource Center or tool crib.

CHANGE IN ANNUAL OPERATING COST:

Normal utility expense.

JISD 287
INSTITUTION DETAIL

REQUEST: Priority Five

\$ 879,941

JUSTIFICATION:

- Relieve an overcrowded, unsafe condition in Auto Body
- Address safety, instructional (content and time), security and storage problems of Auto Body.
- Enable incorporation of production into program providing desired work experience (curriculum benefits) for the student and reducing program costs for Auto Body.
- Fork Lift would be transferred from temporary rental facility, thereby eliminating rental cost, and providing student with direct access to necessary support services available on campus (i.e. counseling, cafeteria, IMC, bookstore, lounge, etc.).
- Continue to meet labor market needs.
- Farm & Light Industrial Equipment Sales, Service and Parts would address employment needs of the western seven county metropolitan area. One section would be offered and space is necessary.
- Auto Body would serve secondary, post secondary, and adult students.
- Fork Lift and Farm/Light Industrial would serve post secondary and adult students.

DESCRIPTION:

Addition of 15,000 square feet to the North Campus A Block to provide space needed for Auto Body, Farm and Light Industrial, and Fork Lift. Exact location and internal configuration is dependent on further analysis and detailed architectural studies. Rearrangement of adjacent programs might also occur.

ALTERNATIVES CONSIDERED:

Several alternatives were studied in the process of deciding upon the above described request. Among the alternatives considered were addition of a third post secondary shift, conversion of a surplus facility, rental of off campus space, elimination of programs/sections, rearrangement of the facility, potential compatible space elsewhere in the buildings, different scheduling options, potential changes in a programs design/space requirements, and different room sharing. room sharing combinations.

ESTIMATED COSTS PREPARED BY:

Land acquisition	(Owned by District)	\$
Construction	(15,000 x \$75 sq. ft)	\$ 1,125,000
Non-Building Costs		\$
Architects Fee	(7%)	\$ 78,750
Equipment		\$ 130,000
Site Work	(Included in Construction)	\$ -
Other		\$ -
TOTAL PROJECT COST:		\$ 1,333,750

TOTAL FOR THIS REQUEST ONLY:

Total Cost	1,203,750
Minus Secondary (14%)	168,525
85% of Remainder (State Share)	879,941

\$ 879,941 (Does not include
Equipment)

COST/GROSS SQUARE FOOTAGE:

(\$1,125,000 ÷ 15,000)

\$ 75 square foot

COST/ASSIGNABLE SQUARE FOOTAGE:

(\$1,125,000 ÷ 12,300)

\$ 91.46

CASH AVAILABLE FOR THIS PROJECT:

\$ 3,765,000 (May 31, 1978)

OTHER REVENUE AVAILABLE OR REQUESTS/SOURCES

\$ 0

SPACE RELEASED:

8,400 square feet temporary rental facility (Fork Lift)

CHANGE IN ANNUAL OPERATING COST:

One additional section of Farm & Light Industrial (+40,247). Rental facility (Fork Lift) would be discontinued (-27,950 in 1978-79 dollars).

Dollar amount from biennium budget minus equipment.

DEPARTMENT OF EDUCATION
WADENA AREA VOCATIONAL TECHNICAL INSTITUTE
INSTITUTION DETAIL

REQUEST:

\$820,848

JUSTIFICATION: OVERCROWDED FACILITIES - In the Advertising, Display and Sales program, we must limit enrollment to sixteen students. This is the maximum number of students that we can accommodate. The instructor could accommodate an additional eight students in this area, in that the largest cost is for instructor's salary, therefore we could train additional students at very little additional cost.

Even with limiting enrollment the classroom space is not adequate for the need of the program. For example, two students must share a five foot table during the newspaper layout section of their training. (An open newspaper takes up 30 inches of space.) The space that would be vacated would be used for Auto Mechanics.

In the Cable TV program we must also limit enrollment because of inadequate space. At the present a classroom laboratory and studio are contained in one room. In order to use the laboratory facilities, the studio must be dismantled and set aside. The same is true for laboratory facilities when we are going to use the studio. The plans call for a complete new facility to be built which would include the adequate space. The area that would be vacated would be utilized by the Auto Mechanics department.

The media center is now housed in a room that is approximately twelve by twenty feet. Needless to say, this is totally inadequate for present day needs. At the present time we are delivering services to 30 to 40 percent of our student body. However, services are not adequate because of space limitations. The plans call for converting the present east lounge to a media Center. The lounge would be moved to a location adjacent to the present west lounge. These rooms are presently used by Auto Mechanics. As previously stated Auto Mechanics would take over the present Cable TV and Advertising, Display and Sales rooms. These rooms are inaccessible to the handicapped at the present time. However, if converted to Auto Mechanics usage, they would become accessible with ramps into the Auto II shop. With present usage it is more difficult, in that you have students from other departments going through Auto II shops.

Office space is also a problem in the present building. No new office space has been built since the original building, which was built in 1961. A new office facility would be built. Space vacated by the Student Personnel Service Office would be utilized by Adult Education, which is now housed in a small house near to the AVTI. This house would be moved to make room for additional parking space. The present spaced used by the Director, Assistant Director, and three secretaries would be used for Accounting II. The present Accounting II room would be used for storage. Some new storage space in the new addition would be built. Rented space at a downtown location could be eliminated, saving rental dollars and increasing efficiency.

DESCRIPTION: Cable TV, Advertising, Display and Sales, office space and storage, mechanical space.

ALTERNATIVES CONSIDERED: Rental of space; no adequate space available in the community. The only other alternative would be to close the programs. Both programs have a high rate of placement success and skilled workers are needed. Cable TV is one of two programs in the state. One-hundred percent of the graduates from these programs were placed in training related jobs. Available jobs per graduating students were five times the number of students available.

ESTIMATED COSTS PREPARED BY: Hendrix Associates Architects (See Attachment A).

Land acquisition	\$ -0-
Construction	\$697,374
Non-building costs	\$ 57,684
Architects fees	\$ 65,790
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-

Total project cost	\$820,848
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Total for this request only	\$697,721
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Cost/gross square footage	\$62.38
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Cost/assignment for this project	\$99.94
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Cash available for this project	\$123,127
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Other revenue available or request/sources - A request for funds would be made to the Upper Great Lakes Regional Commission.

SPACE RELEASED: Cable TV would be used by Auto Mechanics.

Advertising, Display and Sales would be used for Auto Mechanics.

East lounge would be used for Media Center.

Auto Mechanics classrooms would be used for lounge.

Present office space would be utilized by Accounting II classroom.

Accounting II classroom would be used for on site storage.

Student Personnel Services office would be used by Adult Education office.

Small house next to school would be sold and moved. Space utilized for parking lot.

CHANGE IN ANNUAL OPERATING COST: No additional personnel would be hired.

Only cost increase would be for fuel and utilities. 1977-78 square footage cost was .58 cents per square foot, additional square footage of 13,158 ft. x square footage cost of .58 = \$7,632 plus inflation.

DEPARTMENT OF EDUCATION
WADENA AREA VOCATIONAL TECHNICAL INSTITUTE
INSTITUTION DETAIL

REQUEST: \$ 380,917

JUSTIFICATION: The present building does not contain an area that can be used for large group instruction. This method of instruction is lacking in our Institute because of lack of space. Most of the AVTI's that have been built recently have a large group instruction space. The plans include a large space that could seat approximately two hundred and fifty students. It would be constructed so that it could be divided into four classrooms.

At the present time we do not have a community room for the short vocational courses that are being offered at our institute. Frequently these courses must have access to the specialized equipment that is available at our Institute, but with present facilities, we are unable to hold any of these courses at our Institute.

DESCRIPTION: Large group instruction area and community room.

ALTERNATIVES CONSIDERED: Rental of space; no adequate space available for rent.

ESTIMATED COSTS PREPARED BY: Hendrix Associates Architects

Land acquisition	\$	-0-
Construction	\$	323,618
Non-building costs	\$	-0-
Architects fees	\$	26,769
Equipment	\$	30,530
Site work	\$	-0-
Other	\$	-0-
Total project cost	\$	380,917
Total for this request only	\$	323,779
Cost/gross square footage	\$	62
Cost/assignable square footage	\$	78
Cash available for this project	\$	57,138
Other revenue available or requests/sources - a request for funds would be made to the Upper Great Lakes Commission.		

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: No additional personnel would be hired. Only cost increase would be for fuel and utilities. 1977-78 square footage cost .58 cents. Additional square footage of 6, 106 times square footage cost of .58 cents equals \$3,541.00 plus inflation costs.

WILLMAR AVTI

INSTITUTION DETAIL

REQUEST: \$ 988,763

JUSTIFICATION: Shops are over-crowded and unsafe. Do not meet OSHA standards. Classrooms are now in temporary wood structures.

DESCRIPTION: Auto body addition, agriculture shop and classroom, diesel shop addition, electronics mobile lab -classrooms now housed in temporary building.

ALTERNATIVES CONSIDERED: No space available in other institutions.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$ -0-
Construction	\$1,081,822.50
Non-building costs	\$ -0-
Architects fees	\$ 81,427.50
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$1,163,250
Total for this request only	\$ 988,763
Cost/gross square footage	\$ 45
Cost/assignable square footage	\$ 49
Cash available for this project	\$ 175,000
Other revenue available or requests/sources	\$ -0-

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Would perhaps be a reduction in cost as present space used is temporary. Facility would be replaced. Since shops would be larger, there would be more fuel cost, but not substantial new construction of shops would be more efficient and perhaps could cut cost of heating present shops.

WILLMAR AVTI
INSTITUTION DETAIL

REQUEST: \$ 317,475.00

JUSTIFICATION: Programs over-crowded and need more space.

DESCRIPTION: Auto mechanics shop addition, sales and marketing additional space, additional administrative space, special needs shop area and storage and circulation area.

ALTERNATIVES CONSIDERED: No other space available.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$ -0-
Construction	\$ 345,355
Non-building costs	\$ 2,000
Architects fees	\$ 26,145
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 373,500
Total for this request only	\$ 317,475
Cost/gross square footage	\$ 45
Cost/assignable square footage	\$ 49
Cash available for this project	\$ 56,025
Other revenue available or requests/sources	\$ -0-

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

WILLMAR AVTI
INSTITUTION DETAIL

REQUEST: \$391,000

JUSTIFICATION: Vo-tech students need recreation of facilities.

DESCRIPTION: Gym for intramural volleyball and basketball and three tennis courts.

ALTERNATIVES CONSIDERED: All facilities of school district and Community College in use and not available to AVTI students.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$ -0-
Construction	\$426,800
Non-building costs	\$ 1,000
Architects fees	\$ 32,200
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$460,000
Total for this request only	\$391,000
Cost/gross square footage	\$ 45
Cost/assignable square footage	\$ 49
Cash available for this project	\$ -0-
Other revenue available or requests/sources	\$local funds could be raised

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

WINONA A.V.T.I.

2.1 PRIORITY ONE - TOTAL PROPOSED CONSTRUCTION PROJECT

Justification Summary

On November 8, 1976, the Winona AVTI administration appeared before the State Board Subcommittee relative to space inadequacies noted from past school evaluations. As a result of this meeting, the recommendations and concerns of evaluators were synthesized. It was clearly pointed out by evaluators that immediate attention should be directed by the Institute to plan for additional space needs. As a direct result of the State Board Subcommittee review of space deficiencies, Commissioner Van Tries appointed a follow-up fact-finding team to thoroughly investigate the evaluators' report.

Description

In order for the Winona Area Vocational Technical Institute to provide a complete campus for its students, the following building and remodeling must be accomplished.

- Construct a food service area with adjacent student center. (Does not presently exist)
- Remodel the existing student center into a library along with an adjacent resource-media center. (Does not presently exist)
- Include an area for Special Needs instruction, perhaps adjacent to the library. (Does not presently exist)
- Provide a room for the preparation, storage and maintenance of audio-visual materials. (Does not presently exist)
- Office space is needed for the general overall operation of the Institute. Records are not accessible; some files are located and stored at the other end of the building (very inadequate). A more appropriate location for student files is needed. The present offices are poorly located and very crowded.
- A conference room is needed for use by administration, student organizations, apprenticeship and advisory committees. (Now very small and inadequate. The space currently used was intended for a small office.)

Goals (continued)

2. **Develop Positive Social Attitudes**
Develop the ability to relate and communicate with people, to participate in making group decisions and to participate in organized effort.
3. **Promote Civic Responsibility**
Develop attitudes of community interest, community pride and responsibility. Strengthen the desire to act for the good of all, accept the decision of the majority and recognize the views and rights of all.

1.4 AGENCY OPERATED INSTITUTIONS

Winona Area Vocational Technical Institute
1250 Homer Road
Winona, Minnesota 55987

Winona AVTI Aviation Training Center
Max Conrad Field
Winona, Minnesota 55987

Alternatives Considered

We see no alternative that would provide our total student needs. Many segments of the construction project outlined herein are contingent upon implementation of other segments. If this priority is not accepted, serious consideration should be given to priority two or three .

Estimated Costs

By W-Smith Architect

Land Acquisition	None
New Construction	\$2,372,100
Remodeling	309,625
Site	381,375
Roads and Parking	
Fill	
Landscaping	
Site Preparation	
Architectural Fees	<u>245,000</u>
Total Project Cost for Priority #1	<u>\$3,308,100</u>
Total Dollars <u>Requested</u> for Priority #1	\$2,811,885
Local Dollars <u>Available</u> for Priority #1	496,215
Local Dollars Available for Equipment	300,000
<hr/>	
Cost/Gross Sq. Ft. for Priority #1	\$ 37.75
* Cost/Assignable Sq. Ft. for Priority #1	55.33
Other Revenue Available	None
Space Released	None
Change in Annual Operating Cost	Est. \$32,000 per year (Salary for custodian and librarian) Additional utility costs not included

* Calculated only for new construction

FEDERAL/STATE CONSTRUCTION FUNDS ALLOCATED BY THE STATE BOARD AND STATE LEGISLATURE BY YEAR

<u>School</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>
Albert Lea	---	---	---	---	---	---
Alexandria	---	\$ 41,591	\$710,000	---	---	---
Anoka	---	---	\$250,000	\$352,480	\$200,000	\$200,000
Austin	---	---	---	---	---	---
Bemidji	\$ 98,150	---	---	---	---	---
Brainerd	\$104,000	---	---	---	---	\$375,000
Canby	\$ 5,000	---	---	---	\$ 95,500	\$114,500
Detroit Lakes	\$117,000	---	---	---	---	---
Duluth	\$156,354	---	---	\$352,480	\$106,000	---
Eveleth	---	---	---	---	---	\$ 16,000
Faribault	\$165,000	---	---	---	---	---
Granite Falls	---	---	---	\$104,750	---	---
Hibbing	---	\$331,930	---	---	---	---
Hutchinson	---	---	---	---	---	---
Jackson	---	\$ 9,100	\$218,358	---	---	---
Mankato	---	\$ 22,848	\$ 45,000	\$750,000	\$320,000	---
Minneapolis	\$ 49,835	---	---	\$ 42,500	\$15,000	\$ 9,687
Moorhead	---	\$ 50,149	\$214,453	---	---	---
Pine City	\$ 60,000	---	---	---	---	---
Pipestone	---	---	---	---	\$ 73,550	\$155,000
Rochester	---	---	---	---	---	---
Saint Cloud	---	\$446,300	---	---	---	\$438,000
Saint Paul	\$350,000	---	---	---	---	---
Staples	---	\$221,657	---	---	---	---
Thief River Falls	---	---	\$ 30,082	\$331,008	---	---
Wadena	\$104,500	---	---	---	---	---
Willmar	---	---	---	---	\$300,000	\$400,000
Winona	---	\$562,000	---	---	---	---

FEDERAL/STATE CONSTRUCTION FUNDS ALLOCATED BY THE STATE BOARD AND STATE LEGISLATURE BY YEAR

<u>School</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975-77</u>	<u>1977-79</u>
Albert Lea	---	\$ 90,000	\$ 75,000	---	---	---
Alexandria	---	---	---	\$150,000	\$300,000	---
Anoka	\$115,000	\$ 55,872	\$165,000	---	\$478,240	---
Austin	\$497,000	\$1,058,916	---	---	---	---
Bemidji	\$350,000	\$ 75,000	---	---	---	---
Brainerd	---	\$300,000	---	---	---	\$350,000
Canby	\$ 20,008	---	---	---	---	\$232,000
Dakota County	---	---	---	---	\$3,825,000	---
Detroit Lakes	---	\$160,000	\$215,000	---	---	---
Duluth	---	---	---	---	---	---
East Grand Forks	---	---	---	---	---	---
Eveleth	---	\$ 30,000	---	---	---	\$529,000
Faribault	---	---	---	---	---	---
Granite Falls	---	\$200,000	\$100,000	---	---	---
Hibbing	---	---	---	\$150,000	\$345,000	---
Hutchinson	---	---	---	---	\$560,000	---
Jackson	---	---	---	\$750,000	---	---
Mankato	---	---	---	---	---	---
Minneapolis	---	---	\$800,000	---	\$14,475,000	---
Moorhead	\$405,000	---	\$ 25,000	---	---	---
916	---	---	---	---	---	---
Pine City	---	---	---	---	---	\$500,000
Pipestone	---	---	---	---	\$260,000	\$560,000
Red Wing	---	---	---	---	---	---
Rochester	\$ 28,000	\$100,000	---	---	\$250,000	\$163,000
St. Cloud	\$360,000	\$430,000	---	\$150,000	---	\$180,000
St. Paul	---	---	---	---	---	---
Staples	---	\$400,000	\$512,500	---	---	---
Suburban Hennepin	---	---	---	---	---	---
Thief River Falls	---	---	---	---	---	\$1,160,000
Wadena	---	---	---	---	---	---
Willmar	---	\$490,000	\$635,000	---	---	\$450,000
Winona	---	\$ 90,000	---	---	---	---

COMMUNITY COLLEGE SYSTEM
METROPOLITAN COMMUNITY COLLEGE
INSTITUTION REQUEST

REQUEST: Construct a library, classroom and college center building \$5,555,904

JUSTIFICATION: The 1976 legislature appropriated \$50,000 to hire a consultant to prepare a master plan for the completion of facility construction on this campus for a full-time equivalent enrollment of 2,000 students. This plan, which was completed in August, 1978, envisions the addition of three more buildings that are all linked together with a skyway system that is connected to the Minneapolis Area Vocational Technical Institute and a parking ramp which are now under construction.

The 1978 legislature appropriated \$3,454,250 for the construction of a gymnasium and two skyways. Following the completion of the master plan for the college campus, the first of the two skyways connecting the community college classroom building that was constructed in 1978 was designed and bids were awarded in January, 1979. The gymnasium plans are now in the design development stage of development and bids are planned to be received in September, 1979 with construction completed in November, 1980.

This request is for funds to construct the second of the three remaining buildings to be built on this campus according to the master plan. The three buildings being the gymnasium building, the library, classroom and college center building and the third and final building which will house the fine arts facilities.

DESCRIPTION: The type of space that will be constructed if this request is granted includes a new library, additional classrooms, faculty offices, and additional college center space that will include student offices and work area, student health services, a recreational room, and television and music listening. Funds are also requested to remodel the existing library so that it can be used for classrooms.

ALTERNATIVES CONSIDERED: The alternatives would include leaving the library where it is presently housed in a building that was built in 1962 by the Northwestern Bible College, the organization from which the campus facilities were acquired. However, this building does not meet the Community College System guidelines for a library and the consultant's recommendation is to build a new library facility and convert the existing library to classrooms. A second alternative would be to leave the college center space in Memorial Hall, a building built by the Northwestern Bible College in 1947. However, the consultant has recommended that this building be razed for the following reasons:

1. The existing heating and ventilation systems are outdated and undersized.
2. The electrical system is in violation of the code and the lighting is inadequate and should be replaced. The fire alarm system is in code violation.

COMMUNITY COLLEGE SYSTEM
METROPOLITAN COMMUNITY COLLEGE
INSTITUTION REQUEST

ALTERNATIVES CONSIDERED: (Cont.)

3. Extensive remodeling is necessary to meeting minimum energy code restrains.

A third alternative would be to provide planning money for the preparation of construction documents to complete facility construction on this campus with the construction dollars provided in the 1980 session of the legislature. This is a viable alternative.

ESTIMATED COSTS PREPARED BY: Frederick Bentz/Milo Thompson & Associates, Inc.

Land acquisition	\$ -0-
Construction (includes remodeling)	\$4,889,196
Non-building costs (new heating plant)	\$ 332,320
Architect's fees	\$ 444,472
Equipment	\$ 333,354
Sitework	\$ 136,400
Other (tests, surveys, contingency, etc.)	\$ 222,236
Total project cost	\$8,421,036
Total for this request only	\$5,555,904
Cost/gross square footage	\$ 103.27
Cost/assignable square footage	\$ 165.38

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: There will be no change in personnel providing funds are provided for the fine arts facility and demolition of Moyer and Memorial Halls that contain 60,432 gross square feet. The only change will be in utility costs and it is estimated that this cost should be reduced because of the new and more efficient system.

EXISTING ASSIGNABLE SQUARE FOOTAGE: 97,466
EXISTING GROSS SQUARE FOOTAGE: 155,659
INCREASE IN ASSIGNABLE SQUARE FOOTAGE: 29,564
INCREASE IN GROSS SQUARE FOOTAGE: 47,346

COMMUNITY COLLEGE SYSTEM
METROPOLITAN COMMUNITY COLLEGE
INSTITUTION REQUEST

REQUEST: Construct skyway

\$ 341,000

JUSTIFICATION: The 1978 legislature provided an appropriation of \$3,454,250 which was requested for the construction of a gymnasium building for an estimated cost of \$2,793,000 and two skyways estimated to cost \$661,250. One skyway connecting the classroom building with the Minneapolis Area Vocational Technical Institute was designed and a contract for construction was awarded in January, 1979, in the amount of \$284,000. The second skyway was planned to connect the new Minneapolis Area Vocational Technical Institute with the existing Community College library building but the master plan prepared by the consulting firm of Bentz/Thompson & Associates, Inc. envisions this skyway connecting the AVTI building with a new classroom, library, and campus center building which would be located in the vicinity of the old dormitory buildings that were razed in 1978. Therefore, the funds for the second skyway in the amount of \$300,000 were requested to be transferred to the Vermilion Community College theater project that was bid in October, 1978, but exceeded the budget. This transfer of funds will allow the Vermilion theater to be re-bid in February, 1979, rather than delay the re-bidding until an additional appropriation can be made by the legislature. This request is to restore the funds for the second skyway.

DESCRIPTION: Funds are requested for a skyway to connect the Minneapolis Area Vocational Technical Institute and a new classroom, library, and campus center building that is part of this capital budget request. This skyway will permit students, staff and visitors to move from one community college building through the AVTI to the parking ramp or other community college buildings.

ALTERNATIVES CONSIDERED: The only alternative would be not to build this skyway which would eliminate any unity between the community college buildings that are located on one block with those buildings located on a diagonal block, and defeat the concept of a linked campus with the Area Vocational Technical Institute.

ESTIMATED COSTS PREPARED BY: Frederick Bentz/Milo Thompson & Associates, Inc.

Land acquisition	\$ -0-
Construction	\$ 303,000
Non-building costs	\$ -0-
Architect's fees	\$ 27,280
Equipment	\$ -0-
Sitework	\$ -0-
Other (tests, surveys, contingency, etc.)	\$ 10,230
Total project cost	\$8,421,036
Total for this request only	\$ 341,000

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: There will be a slight increase in utility costs.

COMMUNITY COLLEGE SYSTEM
METROPOLITAN COMMUNITY COLLEGE
INSTITUTION REQUEST

REQUEST: Construct a fine arts building \$2,524,132

JUSTIFICATION: This building along with the demolition of Moyer and Memorial Halls will complete the master plan for the construction of facilities that are either non-existent or are housed in leased facilities for an FTE of 2,000 students.

DESCRIPTION: The kinds of space included in this request are art laboratories, music rehearsal space and a theater with ancillary facilities. Funds are also requested for the demolition of Moyer and Memorial Halls.

ALTERNATIVES CONSIDERED: Alternatives include the following:

1. Provide funds for the preparation of construction documents and in the 1980 legislative session provide construction funds. This is a viable alternative.
2. Delay the project until the 1980 legislative session and provide planning funds only with construction funding to be provided in 1981. If construction of this project is delayed until the 1981 legislative session, the estimated cost will increase approximately 12 percent.
3. The project could be delayed for a longer period of time but any such delay would deprive the college from providing equal educational opportunities as that which is afforded students attending other state community colleges.

ESTIMATED COSTS PREPARED BY: Frederick Bentz/Milo Thompson & Associates, Inc.

Land acquisition	\$ -0-
Construction	\$2,143,641
Non-building costs (demolition of Moyer and Memorial Halls)	\$ 124,000
Architect's fees	\$ 201,931
Equipment	\$ 151,448
Sitework	\$ 54,560
Other (tests, surveys, contingency, etc.)	\$ 100,965
 Total project cost	 \$8,421,636
Total for this request only	\$2,524,132
Cost/gross square footage	\$ 96.33
Cost/assignable square footage	\$ 144.49

SPACE RELEASED: None. A total of 60,432 gross square feet will be razed leaving a total gross of 164,826 square feet.

CHANGE IN ANNUAL OPERATING COST: Utility costs should be reduced because of the improvement of energy consumption efficiency with new facilities. This reduction in costs, however, will be offset to some extent by additional custodial expenses of \$11,455.00.

EXISTING ASSIGNABLE SQUARE FOOTAGE: 97,466
EXISTING GROSS SQUARE FOOTAGE: 155,659
INCREASE IN ASSIGNABLE SQUARE FOOTAGE: 14,836
INCREASE IN GROSS SQUARE FOOTAGE: 22,254

COMMUNITY COLLEGE SYSTEM
NORTH HENNEPIN COMMUNITY COLLEGE
INSTITUTION REQUEST

REQUEST: Business technology building

\$2,161,400

JUSTIFICATION: The community college system minimum space guidelines identifies a complete college campus for a total full-time equivalent enrollment of 4,000 students of 280,000 gross square feet with additional space required for any career programs. This request is for space to house the existing career programs and the community services activities which will complete the facilities requirements for this college.

DESCRIPTION: This request is for funds to construct space for the following programs and services: Nursing, Accounting Technology, Secretarial Science and Business Technology, Marketing, Community Services, general classrooms and faculty offices.

ALTERNATIVES CONSIDERED: The alternative would be not to provide the funds requested which would require the college to continue to use the existing facilities for the programs previously identified.

ESTIMATED COSTS PREPARED BY: State Architectural and Engineering Division

Land acquisition	\$ -0-
Construction	\$1,902,032
Non-building costs	\$ -0-
Architect's fees	\$ 172,912
Equipment	\$ -0-
Sitework	\$ -0-
Other (tests, surveys, contingency, etc.)	\$ 86,456
 Total project cost	 \$2,741,000
Total for this request only	\$2,161,400
Cost/gross square footage	\$ 59.25
Cost/assignable square footage	\$ 88.88

SPACE RELEASED: There will be 13,200 assignable square footage that has been temporarily used for career programs that will be returned to classroom use.

CHANGE IN ANNUAL OPERATING COST: Utility costs will be increased by \$21,048.36 based upon 1978 cost figures and custodial expenses will be increased by \$24,515.00.

EXISTING ASSIGNABLE SQUARE FOOTAGE: 143,823
EXISTING GROSS SQUARE FOOTAGE: 234,998
INCREASE IN ASSIGNABLE SQUARE FOOTAGE: 21,400
INCREASE IN GROSS SQUARE FOOTAGE: 32,100

MINNESOTA COMMUNITY COLLEGE SYSTEM
PROGRESS REPORT OF CONSTRUCTION

COLLEGE	PROJECT	SOURCE OF FUNDS	APPROPRIATION	YEAR	DATE OF CONTRACT AWARD	(E) ESTIMATED COST (A) ACTUAL COST	PROGRESS AS OF 12-1-78	ESTIMATED OR ACTUAL COMPLETION DATE
All Colleges	Automated buildings systems	'78 Remodel., Site & Repair			8-25-78	\$ 15,000 (E)	Study in process	2-1-79 (E)
Anoka-Ramsey	Phase I ramp and deck repair	'69 & '71 Bldg. Funds			9-9-77	\$ 37,556 (E)	Ramp still leaks	?
	Fine Arts building re-roofing	'78 Remodel., Site & Repair			11-8-78	17,952 (E)	Under construction	12-26-78 (E)
	Grounds improvement	College and '69 & '71 Bldg. Funds & '71 & '73 Site Funds & '78 Remodel., Site & Repair				420,000 (E)	Consultant appointed	8-1-79 (E)
Austin	Baseball field construction	'73 Site				\$ 27,000 (A)	Completed	8-1-74
	Re-roof 50% of roof area	'76 Remodel., Site & Repair				79,500 (A)	Completed	8-27-77
	Storage building	'76 Stor.Bld.				19,789.50(A)	Completed	11-15-77
	College sign & directories	'73 Site & '76 Remodel., Site & Repair			8-29-78	27,772 (E)	Under construction	1-15-79 (E)
Brainerd	Site improvements	'71 & '73 Site Funds				\$ 46,400 (A)	Completed	11-16-73
	Site lighting	'73 Site				22,242 (A)	Completed	11-16-73
	Playfields & tennis courts	'73 Site				121,319 (A)	Completed	5-31-77
	Storage building	'76 Stor.Bld.				26,835.50(A)	Completed	1-10-78
	Irrigation well	'71 & '73 Site Funds & '76 Remodel., Site & Repair				22,531.70(A)	Completed	6-2-78
	Parking lot improvement	'76 Remodel., Site & Repair				45,000 (E)	Bids over budget	7-1-79 (E)
	Landscaping	'78 Remodel., Site & Repair				23,760 (E)	Plans being prepared	7-1-79 (E)
Fergus Falls	Playfields & tennis courts	'71 & '73 Site Funds				\$ 153,100.60(A)	Completed	11-20-75
Hibbing	Playfields & tennis courts	'73 Site				\$ 156,245.80(A)	Completed	9-12-75
	Boiler addition & storage bldg.	'76 Stor.Bld.	\$ 24,288	1976		100,945.78(A)	Completed	3-10-78
	Connecting link		23,000	1976		17,420 (A)	Completed	3-10-78
	Gym walls repair	'76 Remodel., Site & Repair				10,000 (A)	Completed	3-10-78
	Science bldg. re-roofing	'76 Remodel., Site & Repair				15,980 (A)	Completed	3-30-78

MINNESOTA COMMUNITY COLLEGE SYSTEM
PROGRESS REPORT OF CONSTRUCTION

COLLEGE	PROJECT	SOURCE OF FUNDS	APPROPRIATION	YEAR	DATE OF CONTRACT AWARD	(E) ESTIMATED COST (A) ACTUAL COST	PROGRESS AS OF 12-1-78	ESTIMATED OR ACTUAL COMPLETION DATE
Inver Hills	Tennis courts, parking and grounds improvement	'71 & '73 Site Funds				\$ 126,269 (A)	Completed	5-7-76
	Fine Arts addition		\$ 368,000	1976		369,850.70(A)	Completed	4-3-78
	Parking and grounds improvements	'78 Remodel., Site & Repair			12-6-78	89,250 (E)	Under construction	5-1-79 (E)
	Roof repair	'78 Remodel., Site & Repair				30,000 (E)	No progress	7-1-78
	College center		2,311,000	1978		2,311,000 (E)	Working drawings	1-1-80 (E)
Itasca	Grounds improvement	'73 Site				\$ 16,290 (A)	Completed	3-11-75
	Tennis courts	'71 & '73 Site Funds				73,365 (A)	Completed	7-14-76
	Steam line repair	'76 Remodel., Site & Repair				13,040 (A)	Completed	7-1-77
	Art laboratory remodeling	'76 Remodel., Site & Repair				8,897 (A)	Completed	9-1-78
	Master plan		\$ 25,000	1978		25,557.30(A)	Completed	11-1-78
	Softball fields	'71 & '73 Site Funds			6-23-78	72,496.25(E)	Under construction	6-1-79 (E)
Lakewood	Site drainage construction	'73 Site				\$ 14,799 (A)	Completed	9-30-74
	Playfields & tennis courts	'71 & '73 Site Funds				108,741 (A)	Completed	3-31-76
	Phase V		\$2,497,870	1976		2,204,183 (E)	Completed	8-1-78
	Grounds improvement & signage		Part of 2,497,870	1976		200,000 (E)	Re-bid in January, 1979	9-1-79
	Phase I wall leaks	'76 Remodel., Site & Repair				7,240 (A)	Completed	8-8-76
	Library remodeling	'76 Remodel., Site & Repair			9-15-78	48,999 (E)	Under construction	12-31-76
	Storage building	'76 Stor.Bld.				48,099.14(A)	Completed	12-27-78
Mesabi	Landscaping	'73 Site				\$ 33,782.50(A)	Completed	7-28-76
	Parking lot addition, tennis courts and grounds improvement	'71 & '73 Site Funds				185,765.70(A)	Completed	7-28-76
	Air conditioning of mezzanine	'76 Remodel., Site & Repair				14,766 (A)	Completed	3-9-78
	Storage building	'76 Stor.Bld.				23,277.50(A)	Completed	3-15-78
	Repair parking lot drainage, fire hydrant installation, softball field and handicapped parking	'69 & '71 Bldg. Funds & '78 Remodel., Site & Repair				104,843 (E)	Consultant appointed	9-1-79 (E)
	Gym roof repair	'76 Remodel., Site & Repair				17,052.43(A)	Completed	5-12-78
	Tennis court repair	'76 Remodel., Site & Repair				2,495 (A)	Completed	8-31-78

MINNESOTA COMMUNITY COLLEGE SYSTEM
PROGRESS REPORT OF CONSTRUCTION

COLLEGE	PROJECT	SOURCE OF FUNDS	APPROPRIATION	YEAR	DATE OF CONTRACT AWARD	(E) ESTIMATED COST (A) ACTUAL COST	PROGRESS AS OF 12-1-78	ESTIMATED OR ACTUAL COMPLETION DATE
Metropolitan	Parking ramp		\$1,750,000	1975	10-11-77	\$1,750,000 (E)	Under construction	8-1-79 (E)
	Demolition of old buildings	'73 Site				53,986.50(A)	Completed	10-25-78
	Master plan		50,000	1976			Completed	8-1-78
	Clearing Phase II site	'73 Site				60,020.20(A)	Completed	10-10-75
	Gym construction		3,454,250	1978		2,425,000 (E)	Schematic plans	12-1-80 (E)
	Skyway (first of two)		(See above)			275,000 (E)	Bid 1-4-79	9-1-78 (E)
	Grounds improvement	'73 Site & '76 Remodel., Site & Repair				322,000 (E)	No progress	9-1-79 (E)
Normandale	Landscaping south parking lot	'73 Site				\$ 11,547 (A)	Completed	4-3-74
	College sign and directories	'73 Site				29,434 (A)	Completed	10-20-76
	Additional parking, tennis courts and grounds improvement	'69 & '71 Bldg. Funds & '71 Site & '76 Remodel., Site & Repair				225,099 (A)	Completed	12 20-76
	Remodel old commons & classrooms	'76 Remodel., Site & Repair				78,204.28(A)	Completed	4-29-77
	Storage building	'76 Stor.Bld.				16,159.30(A)	Completed	6-17-78
	Water damage repair	'76 Remodel., Site & Repair				4,624 (A)	Completed	7-14-78
	Repair chemistry exhaust	'76 Remodel., Site & Repair				28,815 (A)	Completed	11-16-78
	Phase IV roof repair	'76 Remodel., Site & Repair				42,995 (A)	Completed	9-5-78
	South parking lot repair	'78 Remodel., Site & Repair				33,128 (A)	Completed	10-19-78
	Landscaping west parking lot	'78 Remodel., Site & Repair				6,000 (A)	Completed	11-16-78
	Restroom ventilation repair	'76 Remodel., Site & Repair			12-20-78	4,380 (E)	Under construction	2-16-79 (E)
	Phase V		\$2,987,716	1978		2,198,716 (E)	In working drawings	1-1-80 (E)
North Hennepin	Playfield and tennis courts	'73 Site				\$ 153,737 (A)	Completed	9-1-75
	Phase V		\$ 153,737	1976		223,236 (A)	Completed	8-16-77
	New parking and parking lot repair	'78 Remodel., Site & Repair				188,923.25(A)	Completed	9-22-78
Northland	Playfields and tennis courts	'69 Bldg.Fund '71 Site Fund '73 Site Fund '76 Remodel., Site & Repair				\$ 106,142.15(A)	Completed	8-1-77
	Storage building	'76 Stor.Bld.				38,042.10(A)	Completed	7-26-78

MINNESOTA COMMUNITY COLLEGE SYSTEM
PROGRESS REPORT OF CONSTRUCTION

COLLEGE	PROJECT	SOURCE OF FUNDS	APPROPRIATION	YEAR	DATE OF CONTRACT AWARD	(E) ESTIMATED COST (A) ACTUAL COST	PROGRESS AS OF 12-1-78	ESTIMATED OR ACTUAL COMPLETION DATE
Rainy River	Surface and light student parking lot and service road	'73 Site				\$ 24,430 (A)	Completed	10-23-74
	Playfields and tennis courts	'71 & '73 Site Funds				100,300 (A)	Completed	6-23-78
	Phase II	'76 Remodel., Site & Repair '76 Stor.Bld.	\$ 253,000	1976		275,346.20(A)	Completed	2-24-78
	Roof repair	'76 & '78 Remodel., Site and Repair			10-26-78	111,080 (E)	Under construction	4-1-79 (E)
	Canopy column repair	'76 Remodel., Site & Repair				91,500 (E)	Insufficient funds	7-1-79 (E)
Rochester	Playfields and tennis courts	'71 & '73 Site Funds				\$ 169,934 (A)	Completed	11-11-75
	Phase I roof repair	Admin., R.&B. & '76 Remodel., Site & Repair				102,842 (A)	Completed	9-28-78
	Storage building	'76 Stor.Bld.				19,789.50(A)	Completed	9-28-77
	Phase III roof repair	'78 Remodel., Site & Repair				16,820 (E)	Design development	7-1-79 (E)
	New parking lot	'78 Remodel., Site & Repair				150,424 (E)	Design development	9-1-79 (E)
Vermilion	Tennis courts & grounds improvements	'71 & '73 Site Funds				\$ 82,971.85(A)	Completed	10-1-75
	Storage building	'76 Stor.Bld.				35,700 (E)	Re-bid February, 1979	11-1-79 (E)
	Theater and Interpretative center	IRRRB	\$ 585,000	1978		1,226,500 (E)	Re-bid February, 1979	3-1-80 (E)
Willmar	Playfields and tennis courts	'71 & '73 Site Funds				\$ 146,350 (A)	Completed	10-22-75
	Fire hydrant re-location	'76 Remodel., Site & Repair				2,765 (A)	Completed	8-17-78
	Storage building	'76 Stor.Bld.				33,552.30(A)	Completed	10-4-78
Worthington	Playfields and tennis courts	'71 & '73 Site Funds				\$ 181,512.19(A)	Completed	6-1-77
	Grounds improvement	'69 & '71 Bldg. Funds & '71 & '73 Site Funds & '76 Remodel., Site & Repair				234,259.22(E)	Under construction	4-1-79 (E)
	Fire hydrant re-location	'76 Remodel., Site & Repair				5,629.86(A)	Completed	6-30-78
	Landscaping	'76 Remodel., Site & Repair				15,354 (A)	Completed	11-22-78

STATE UNIVERSITY SYSTEM
MANKATO STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Correction of structural defects: Trafton Science Center \$ 725,000

JUSTIFICATION: The roof and plaza surface of Trafton have had leakage problems since the building was constructed in 1972 (these problems resulted in inconclusive arbitration between the State and the architect and contractor). The degree of leakage is accelerating and is resulting in significant damage to the interior of the building.

DESCRIPTION: This request is to replace the roof on Trafton, re-surface the plaza (which has facilities underneath), modify the slope of the building site and correct some of the interior damage.

ALTERNATIVES CONSIDERED: None appear feasible--a number of efforts to stop the leakage through more modest corrective actions have failed.

ESTIMATED COSTS PREPARED BY: Architectural Alliance Inc.

Land acquisition	\$ -0-
Construction	\$ 610,000
Non-building costs	\$ -0-
Architects fees	\$ 45,000
Equipment	\$ -0-
Site work	\$ 70,000
Other	\$ -0-
Total project cost	\$ 725,000
Total for this request only	\$ 725,000
Cost/gross square footage (224,864 gsf)	\$ 2.71
Cost/assignable square footage (121,048 nasf)	\$ 5.04

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

STATE UNIVERSITY SYSTEM
SYSTEMWIDE REQUIREMENT
INSTITUTION DETAIL

REQUEST: Roof replacement and repair \$ 1,250,000

JUSTIFICATION: The State University System has initiated a systematic roof inspection program based on computer analysis of nuclear moisture meter data. All roofs in the System were metered in F.Y. 1978 and our analysis indicates a need for an accelerated roof repair and replacement program to correct current major defects and prevent further damage of roofs with developing faults.

DESCRIPTION: This request will fund roof replacements and repairs throughout the State University System on a priority basis. Where replacements are made, the new roofs will be reinsulated to meet energy code requirements.

ALTERNATIVES CONSIDERED: None feasible. Currently available repair and betterment funds only allow repair of roofs as major leakage problems develop.

ESTIMATED COSTS PREPARED BY: Chancellor's Office

Land acquisition	\$ -0-
Construction	\$ 1,250,000
Non-building costs	\$ -0-
Architects fees	\$ -0-
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 1,250,000
Total for this request only	\$ 1,250,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Probable reduction in utility costs of an unknown amount.

STATE UNIVERSITY SYSTEM
BEMIDJI STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Modification of primary electrical service to
south campus area \$ 50,000

JUSTIFICATION: The 1978 Legislature appropriated funds for major rehabilitation of Deputy and Sanford Halls; construction is now underway. Subsequent to the time the construction contracts were awarded it was discovered that existing primary electrical service lines in the southern area of the campus will not accommodate the increased load projected for the revised mechanical systems in the rehabilitated buildings.

DESCRIPTION: This request is to replace existing primary electrical service lines in the southern area of the campus.

ALTERNATIVES CONSIDERED: None feasible.

ESTIMATED COSTS PREPARED BY: Chancellor's Office

Land acquisition	\$ -0-
Construction	\$ -0-
Non-building costs	\$ 50,000
Architects fees	\$ -0-
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 50,000
Total for this request only	\$ 50,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

STATE UNIVERSITY SYSTEM
ST. CLOUD STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Addition to Halenbeck Hall physical education facility \$ 4,746,000

JUSTIFICATION: The 1978 Legislature agreed that St. Cloud State University has a shortage of physical education space and appropriated planning funds for an addition to Halenbeck Hall. Working drawings are now in preparation for an addition within the scope and cost contemplated at that time.

DESCRIPTION: This request will fund construction of a physical activity center with an indoor track and spaces for activities such as tennis, badminton, wrestling, volleyball, gymnastics, basketball and limited space for storage and offices.

ALTERNATIVES CONSIDERED: No existing space is suitable for conversion to this purpose. Continued operation within the present facility will impose a major handicap in the physical education program at St. Cloud State University.

ESTIMATED COSTS PREPARED BY: Sövik, Mathre, Sathrum, Quanbeck Architects

Land acquisition	\$ -0-
Construction	\$ 4,563,500
Non-building costs	\$ -0-
Architects fees	\$ 280,500
Equipment	\$ 75,000
Site work	\$ 40,000
Other	\$ -0-
Total project cost	\$ 4,959,000
Total for this request only	\$ 4,746,000
Cost/gross square footage (81,000 gsf)	\$ 56.34
Cost/assignable square footage (68,200 nasf)	\$ 66.91

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Annual costs will increase by \$120,000; consisting of \$21,500 for heat, utilities and building supplies and \$98,500 for custodial and maintenance staff.

STATE UNIVERSITY SYSTEM
WINONA STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Rehabilitation of Somsen Hall

\$ 3,600,000

JUSTIFICATION: Somsen Hall, while structurally sound, is 55 years old and has obsolescent building systems and components which inhibit proper utilization of the facility and pose safety, handicapped access, and energy efficiency problems. A rehabilitation plan has been developed with planning funds appropriated by the 1969 Legislature.

DESCRIPTION: This request will fund replacement of electrical systems, enclosing of stairwells, changes in heating and ventilating systems, replacement of thousands of small single-glazed window panes, rehabilitation of the auditorium, removal of architectural barriers, installation of modern lighting and some internal remodeling.

ALTERNATIVES CONSIDERED: Given the age of the building and the extensive work required, demolition and replacement with a modern facility was considered but rejected because of the historical and aesthetic appeal of the building as well as the prohibitive cost of a comparable size facility at current construction costs.

ESTIMATED COSTS PREPARED BY: State Architectural Engineer

Land acquisition	\$ -0-
Construction	\$ 3,365,000
Non-building costs	\$ -0-
Architects fees	\$ 235,000
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 3,600,000
Total for this request only	\$ 3,600,000
Cost/gross square footage (168,000 gsf)	\$ 20.03
Cost/assignable square footage (100,800 nasf)	\$ 33.38

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: While it is difficult to project a specific amount of annual savings, replacement of the windows should result in significant increases in energy efficiency. No other cost changes are anticipated.

STATE UNIVERSITY SYSTEM
WINONA STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Remodeling of Watkins Hall

\$ 350,000

JUSTIFICATION: Watkins Hall houses the Departments of Art and Industrial Education with activities such as wood shops, sculpture, ceramics and weaving which require specialized facilities. Some of these activities are housed in makeshift spaces (a ceramics kiln is on the loading dock) with resulting fume and heat problems which inhibit programs and create an unsafe environment for students and staff.

DESCRIPTION: This request will provide for a proper kiln area, installation of necessary ventilation of lab and shop areas, as well as some remodeling of internal space.

ALTERNATIVES CONSIDERED: None. There is no alternative space available which meets the specialized requirements of these activities.

ESTIMATED COSTS PREPARED BY: State Architectural Engineer

Land acquisition	\$ -0-
Construction	\$ 325,000
Non-building costs	\$ -0-
Architects fees	\$ 25,000
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
 Total project cost	 \$ 350,000
Total for this request only	\$ 350,000
Cost/gross square footage (34,000 gsf)	\$ 9.56
Cost/assignable square footage (20,400 nasf)	\$ 15.93

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

STATE UNIVERSITY SYSTEM
MOORHEAD STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Rehabilitation of Lommen Hall, including major building systems \$ 953,000

JUSTIFICATION: Lommen Hall was constructed 47 years ago and the heating, ventilating, and electrical systems are inadequate, inefficient, and do not meet current educational or state building code requirements.

DESCRIPTION: This request will allow replacement of cast iron steam radiators with a new combined ventilation and tin radiator system, complete re-wiring of the building, installation of a new lighting system and some reorganization of the space within the building.

ALTERNATIVES CONSIDERED: None feasible. The building is structurally solid, architecturally pleasing, and serves as an "anchor" to the north mall building complex.

ESTIMATED COSTS PREPARED BY: Moorhead State University Staff

Land acquisition	\$ -0-
Construction	\$ 882,000
Non-building costs	\$ -0-
Architects fees	\$ 71,000
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-

Total project cost	\$ 953,000
Total for this request only	\$ 953,000
Cost/gross square footage (52,683 gsf)	\$ 16.74
Cost/assignable square footage (31,417 nasf)	\$ 28.07

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: No major changes anticipated, but modest increases in energy efficiency should result.

STATE UNIVERSITY SYSTEM
MANKATO STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Rehabilitation of HVAC system of Armstrong Hall \$ 150,000

JUSTIFICATION: The HVAC system of Armstrong is inadequate. Air circulation in the building's interior is virtually non-existent and the mechanical systems are so noisy as to make some spaces in the core of the building unusable. The utilization plan required for campus consolidation does not permit this space to be vacated or underutilized.

DESCRIPTION: This request is to rehabilitate the HVAC system of Armstrong and to install an automated control system which is projected to pay for itself in thirty-nine months.

ALTERNATIVES CONSIDERED: None appear feasible.

ESTIMATED COSTS PREPARED BY: Architectural Alliance Inc.

Land acquisition	\$ -0-
Construction	\$ 135,000
Non-building costs	\$ -0-
Architects fees	\$ 15,000
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 150,000
Total for this request only	\$ 150,000
Cost/gross square footage (143,966 gsf)	\$.94
Cost/assignable square footage (90,298 nasf)	\$ 1.50

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Utility cost reductions anticipated. Precise dollar amount impossible to project with reasonable accuracy.

STATE UNIVERSITY SYSTEM
WINONA STATE UNIVERSITY
INSTITUTION DETAIL

REQUEST: Campus site work \$ 500,000

JUSTIFICATION: The current campus plan for Winona does not establish the university as a geographic entity; the campus is criss-crossed with high traffic city streets which present circulation and safety problems.

DESCRIPTION: This request will fund the closing of most through streets, replacement of the lost parking spaces, creation of a central mall, and development of entry points to the campus.

ALTERNATIVES CONSIDERED: The proposed site work is a result of a master plan, the development of which included review of all reasonable alternatives. The master plan has been reviewed and accepted by the City of Winona.

ESTIMATED COSTS PREPARED BY: State Architectural Engineer

Land acquisition	\$ -0-
Construction	\$ -0-
Non-building costs	\$ -0-
Architects fees	\$ -0-
Equipment	\$ -0-
Site work	\$ 500,000
Other	\$ -0-
Total project cost	\$ 500,000
Total for this request only	\$ 500,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

STATE UNIVERSITY SYSTEM
SYSTEMWIDE REQUIREMENT
INSTITUTION DETAIL

REQUEST: Window replacement program

\$ 500,000

JUSTIFICATION: While window replacement for energy conservation purposes is a relatively low priority effort because of the long payback period involved, a substantial number of facilities in the state universities have windows which are not only single-glazed but also have deteriorating sash. Such conditions result in building damage from ice and water and reduce the utility of the indoor space.

DESCRIPTION: This request will enable us to implement a systematic window replacement program to minimize further building damage as well as conserve energy.

ALTERNATIVES CONSIDERED: Temporary plastic sheeting has been used for the past three to four winters as a low-cost measure. Where sash deterioration is quite extensive, however, this is not very effective.

ESTIMATED COSTS PREPARED BY: Chancellor's Office

Land acquisition	\$ -0-
Construction	\$ 500,000
Non-building costs	\$ -0-
Architects fees	\$ -0-
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
 Total project cost	 \$ 500,000
Total for this request only	\$ 500,000
Cost/gross square footage	\$ -0-
Cost/assignable square footage	\$ -0-

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Utility costs will be reduced by an unknown amount.

STATE UNIVERSITY SYSTEM
PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
ST. CLOUD	Administration Building	\$ 2,242,178 ('73)		Complete	April 1979 (Plans
	Install Boiler	200,000 ('73)		In Design	
	Utilities	150,000 ('73)		Complete	
	Kiehl Hall Remodeling	397,000 ('73)		Complete	
	Stewart Hall Remodeling	275,000 ('73)		Complete	July 1979
	Land Acquisition	162,000 ('76)		Complete	
	Audio Visual Retrieval	170,000 ('78)		Procurement	December 1979
	Assessments	69,200 ('78)		Complete	
	Handicapped Access	260,370 ('78)		In Design	December 1979
	Maintenance Building	540,000 ('78)		In Design	December 1979
	Halenbeck Addition Planning	213,000 ('78)		In Design	June 1979
SOUTHWEST	Sitework	\$ 100,000 ('73)		Design completed. Deferred.	
E-11 WINONA	Maintenance Addition	\$ 272,412 ('76)**		Complete	December 1979
	Somsen Hall Exterior Repairs	150,000 ('76)		Complete	
	Roof Repairs	65,000 ('76)		Design Complete	
	Land Acquisition	90,000 ('76)		Complete	
	Handicapped Access	72,380 ('78)		In Design	December 1979
	Land Acquisition	143,000 ('78)		In Process	February 1979
SYSTEMWIDE	OSHA Projects	\$ 109,000 ('78)		In Design or Material Pro- curement	June 1979
* Includes \$66,951 transferred in from Mankato Building Remodel/Demolish 1976 C348, Subd 5(d).					
** Includes \$26,000 transferred in from Somsen Remodeling, 1976 C348, Subd 3(c).					
*** Includes \$82,000 transferred from M&E Account.					

STATE UNIVERSITY SYSTEM
PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
BEMIDJI	Bangsberg Parking Lot	\$ 132,000 ('73)		Complete	
	Deputy Conversion: Study	10,000 ('73)		Complete	
	Maintenance Building	251,648 ('76)	3-23-78	Construction	January 1979
	Hickory Hall Remodeling	1,077,470 ('76)		Complete	
	Deputy Remodeling: Plans	120,000 ('76)		Complete	
	Boiler Plant Repair-Remodel	367,000 ('76)***	9-25-77	Underway	May 1979
	Field House Roof Repair	99,000 ('76)		Complete	
	Handicapped Access	64,900 ('78)		In Design	December 1979
	Energy Conservation Projects	650,878 ('78)		In Design	December 1979
	Automated controls	400,000 ('78)		In Design	May 1979
	Receiving/Warehousing Building	200,000 ('78)		In Design	November 1979
	Deputy/Sanford Remodeling	3,679,000 ('78)	8-24-78	Construction	December 1979
MANKATO	Install Oil Tanks	\$ 35,000 ('73)		Complete	
	Cherry-Warren Assessment	42,000 ('73)		Paid	
	Campus Consolidation: Study	20,000 ('73)		Complete	
	Campus Consolidation: Planning	40,000 ('74)		Complete	
	Roof Repairs	150,000 ('76)		Complete	
	Upper Campus Consolidation	3,500,000 ('76)		Complete	
	" " "	3,600,000 ('78)	2-9-78	Construction	December 1979
	Handicapped Access	34,650 ('78)		In Design	December 1979
	Coal Heating Plant: Planning	250,000 ('78)		In Design	April 1979
	Trafton Retrofit	207,100 ('78)		In Design	December 1979
MOORHEAD	Install Boiler	\$ 235,000 ('73)		Complete	
	Street Assessment	6,400 ('73)		Paid	
	Maintenance Building Addn.	365,137 ('76)*	5-11-78	Construction	February 1979
	Tennis Courts - Track	187,000 ('76)		Complete	
	Handicapped Access	136,180 ('76)		In Design	December 1979
	Fine Arts Building - Phase II	2,414,000 ('76)		Complete	
	Street Assessment	9,800 ('78)		Paid	
	Coal Handling Plant Planning	118,000 ('78)		In Design	April 1979
	Lommen Hall Rehab.-Phase I	156,000 ('78)		In Design	December 1979
	Fine Arts Center Remodeling	324,000 ('78)		In Design	June 1979

University of Minnesota, System-Wide, Institutional Detail

ITEM 2: UPGRADE FOR PHYSICALLY HANDICAPPED

JUSTIFICATION

State law requires that all new and remodeled buildings meet certain standards, and Federal regulations require that all University programs be accessible to the handicapped, thereby necessitating modification to existing facilities. Funds were appropriated by the 1973, 1976, and 1978 Legislatures to begin upgrading of buildings on the University campuses to meet State standards. A building-by-building survey has been completed of all the University campuses. Twenty-three ramps have been constructed, sidewalk curb cuts, locker room, bathroom, and seating modifications have been made, and two elevator installations have been completed. This work needs to be continued throughout the University system to expand opportunities for the physically handicapped.

DESCRIPTION

Funds are requested to continue an on-going University-wide program of upgrading facilities so that they may be made accessible to the physically handicapped. Ramps and elevators need to be installed in older buildings, bathrooms need to be modified, and other modifications such as locker rooms, seating, signage, and curb cuts are needed. Ultimately, several million dollars will be needed over the next three biennia to complete the project in order to comply with State and Federal regulations to make buildings and programs accessible.

PREVIOUS APPROPRIATIONS

1973 - \$300,000 requested and appropriated.
1976 - \$500,000 requested; \$400,000 appropriated.
1977 - \$500,000 requested; no appropriation.
1978 - \$2,000,000 requested; \$1,000,000 appropriated.

COST ESTIMATE

Total costs are estimated in excess of \$7 million and will be phased over three biennia. Updated costs will reflect escalation due to anticipated inflation. Funds granted this biennium will be used to upgrade those buildings with the greatest use that are not undergoing major remodeling or rehabilitation. This request does not include improvements (with the exception of signage) to accommodate individuals with hearing or sight disabilities. Studies are presently underway to ascertain the scope of the work necessary to accommodate individuals with sight and hearing disabilities.

Among the projects are the following:

Elevators (45)	\$ 5,308,200
Ramps/Lifts (40)	513,755
Sitework, sidewalk modifications	150,000
Bathrooms, locker rooms, seating, water fountain and telephone relocation, signage	1,228,045
TOTAL PROJECT COST	\$ 7,200,000
TOTAL THIS REQUEST	\$ 3,000,000

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

ITEM 3: OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) PROJECTS

Funds are requested to continue a program of upgrading University facilities to meet safety standards set by the Occupational Safety and Health Act. The University Department of Environmental Health and Safety has recently inspected University buildings. Violations ascertained have been primarily in the areas of fire protection, e.g. open stairwells, and required exits.

Installation of fire alarm and sprinkler systems, enclosure of stairways, provision for adequate ventilation of toxic solvent areas and the installation of automatic CO₂ systems, upgrading of electric outlets to three-wire code requirements, and the addition where necessary of handrails on outside steps are some of the more urgent projects required to meet OSHA regulations on all campuses and locations of the University.

1976 - \$1,000,000 requested; \$500,000 appropriated.
1977 - \$1,000,000 requested; no appropriation.
1978 - \$1,000,000 requested; \$750,000 appropriated.

Total costs are estimated in excess of several million dollars for the University system and will be phased over several biennia.

TOTAL THIS REQUEST	\$ 1,000,000
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Not applicable.

None.

University of Minnesota, System-Wide, Institutional Detail

ITEM 4: ENERGY CONSERVATION AND CONVERSION PROJECTS

JUSTIFICATION

The continuation of the program to achieve energy conservation requires the expenditures of funds beyond normal maintenance programs.

The balance of the projects from the initial estimate of a \$7 million program for the Twin Cities and Coordinate Campuses requires funding of \$5.5 million. Typical of such energy conserving projects are the completion of window replacement, conversion from steam to hot water, increased roof insulation, lighting conversions to fluorescent systems, and entry area vestibule construction. Recovery of costs will be indicated with reduced fuel and power consumption over the following years.

DESCRIPTION

Projects for which funds are sought this biennium are as follows:

Twin Cities Campus \$ 1,640,100

1. Steam to water conversion with
zone control 1,083,500
2. Roof insulation 509,850
3. Health Service window/door glazing
improvements and West Wing
heat controls 46,750

Duluth Campus \$ 286,000

1. Roof insulation 220,000
2. Entrance vestibules 66,000

Morris Campus \$ 177,100

1. Heat recovery system 82,500
2. Additional insulation and repairs 34,540
3. Vestibule doors 5,060
4. Lighting changes 55,000

Crookston Campus \$ 104,500

1. Window replacement 27,500
2. Gas to steam conversion (greenhouse
and Whitehouse) 31,900
3. Room heat control addition 45,100

Waseca Campus \$ 57,200

1. Replace zone control system 49,500
2. Change incandescent to fluorescent
system 7,700

PREVIOUS APPROPRIATIONS

1976 - \$500,000 requested for energy conservation projects; no appropriation.
1977 - \$500,000 requested; no appropriation.
1978 - \$1,500,000 requested and appropriated for energy retrofit projects.

COST ESTIMATE

TOTAL THIS REQUEST \$ 2,264,900

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None. A decrease is expected.

University of Minnesota, System-Wide, Institutional Detail

ITEM 5: DISEASED TREE REMOVAL AND REPLACEMENT

JUSTIFICATION

The University is one of many Minnesota communities caught in the battle against "Dutch Elm Disease". It is the University's policy to preserve and protect landscape plant materials to enhance the campus environment. To carry out this policy, University staff must identify diseased or undesirable plant materials, provide for their prompt treatment or removal, and make appropriate replacement.

To date the most economical means of controlling the disease problem has been through a program of inspection, sanitation, and prophylaxis. The disease has reached such epidemic proportions, however, that the existing program does not provide adequate funds for replanting and replacing trees removed. In addition to elm trees being lost to the disease, trees other than elms are being lost because of drought conditions of the past few years.

Loss of the major portion of the existing tree canopy on campus will place increased strain on air cooling and ventilating systems in the warm seasons because of urban heat buildup and loss of shade, and on heating and ventilating systems in the cold season because of loss of wind protection.

Replacement plantings of substantial size will help alleviate the increased heating/cooling load that the loss of the major tree canopy will place on "energy use" systems.

DESCRIPTION

Funds are requested for positive implementation of the Tree Removal and Replacement program that was established in response to the 1976 Landscape Planting Report and in accordance with the plan that has been formulated on the assumption that the campus will suffer an eventual 100% loss of elm trees.

The request represents continuation of a three (biennia) phase program. It is estimated that the total diseased tree removal and replacement program would cost \$1,246,619 in 1977 dollars.

PREVIOUS APPROPRIATIONS

1978 - \$397,500 requested; \$100,000 appropriated.

COST ESTIMATE

TOTAL THIS REQUEST	\$ 500,000
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SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Not applicable.

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM A-1: POULTRY RESEARCH AND TEACHING FACILITIES

JUSTIFICATION

New construction and some renovation will in large part replace several existing buildings that are obsolete and deteriorated. Space will be created for fundamental and applied nutrition studies, research in the physiology of egg production, and breeding facilities for research and product technology studies. Facilities for classroom instruction and for storage and personnel needs will also be provided by this new facility.

DESCRIPTION

The facility requested will provide approximately 14,020 g.s.f. of renovated space and 25,250 g.s.f. of new construction for a total of 39,270 g.s.f. for the project. The space will be used for both graduate and undergraduate teaching and for sponsored research and graduate student thesis research.

New Construction:

Confinement Rearing Building	7,500
Environmental Building	5,000
Adult Layer Building	5,250
Hatchery Office Building	6,000
Service area connecting Layer and Environmental Buildings	<u>1,500</u>
Total	25,250 g.s.f.

Renovated Space:

Brooder Building	6,048
Breeder Building	4,452
Turkey Research Building	<u>3,520</u>
Total	14,020 g.s.f.

PREVIOUS APPROPRIATIONS

1978 - \$17,000 requested for planning funds; \$8,500 appropriated under the provision that a like sum be provided by the poultry industry, which has been provided.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 1,190,000
New Construction	\$ 1,070,000	
Renovation	120,000	
Non-building costs		510,000
Design and Engineering	160,000	
Sitework (including utilities)	100,000	
Equipment	250,000	
TOTAL THIS REQUEST		\$ 1,700,000

Construction costs are estimated at \$42.38/g.s.f. for new construction and \$8.45/g.s.f. for renovation, mid-construction date August, 1981.

SPACE RELEASED FOR OTHER USE

Room B-1 of Peters Hall which is currently used as a hatchery can be used for temporary laboratory space by non-ruminant nutrition to house the feed preparation laboratory now housed in the old livestock pavilion, and buildings 337 and 336 can be used to house the metabolism stalls for pigs that are now housed in the old livestock pavilion. The old livestock pavilion is to be remodeled for Vocational Education.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	2.2 FTE custodial and maintenance workers
Operations	\$59,966
Academic	
Personnel	1.0 FTE Laboratory Technician
Operations	\$12,960

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM A-2: VETERINARY MEDICINE BUILDING

JUSTIFICATION

The physical plant for the College of Veterinary Medicine has been built in increments since the 1947 Legislature directed the University of Minnesota to develop a professional curriculum in veterinary medicine for approximately 50 students per class. The current request would almost complete the teaching facilities; it includes a new teaching hospital addition and remodeling of existing hospital facilities to accommodate the classes of 80 students. An additional request for \$1.1 million will be required in 1981 to complete renovation of the Veterinary Science Building.

Enrollment pressure for the College of Veterinary Medicine continues to be greater than for any other unit in the University, and placement of graduates has been uniformly good throughout the history of the college. The college has served as a regional resource since its development and students from states other than Minnesota are accepted under terms of either full-cost reimbursement contracts or the general reciprocity agreement between Minnesota and Wisconsin.

DESCRIPTION

The project includes two parts: (1) new construction and (2) remodeling. The new construction is a teaching hospital which will be connected directly to the existing physical plant. Remodeling of structures constructed during the late 1940's and 1950's (the old Teaching Hospital and the Veterinary Science Building) will make it possible to accommodate 80 students per class rather than 50 for which the facilities were designed originally.

New Construction	
Student Teaching Laboratories	3,300
Faculty and Administrative Offices	8,400
Hospital and Animal Space	<u>57,800</u>
Subtotal	69,500 a.s.f. 133,000 g.s.f.
Remodeling of Existing	
Hospital and Animal Space	<u>35,600</u>
TOTAL	105,100 a.s.f.

PREVIOUS APPROPRIATIONS

- 1967 - \$720,000 requested and appropriated for an addition to the Diagnostic and Research Laboratory. \$97,000 requested for Veterinary Medicine building planning; \$171,000 appropriated for Animal Science and Veterinary Medicine Phase I planning.
- 1971 - \$120,000 requested and appropriated for preliminary planning of Phase II. \$10,000,000 requested and appropriated for Phase I Animal Science/Veterinary Medicine facility.

- 1973 - \$480,000 requested and \$360,000 appropriated for developing construction plans for Phase II.
- 1975 - Request for construction funds for Phase II delayed by the Central Administration pending decision in Wisconsin regarding veterinary medical education in that state.
- 1978 - (A) Legislation developed to appropriate \$17,000,000 - \$19,000,000 for Phase II construction if Wisconsin passed legislation committing that state to a regional program; 35 of 120 students per class were to come from Wisconsin.
 (B) Following the decision in Wisconsin not to develop a regional program, the University was instructed to present plans in 1979 for facilities to accommodate 80 students per class.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 10,420,300
New Construction	\$ 8,618,000	
Remodeling	1,802,300	
Non-building costs		2,559,700
Consultants fees	714,700	
Equipment and furnishings	860,000	
Sitework (including utilities and landscaping)	480,000	
Other (supervision, contingency, and miscellaneous)	505,000	
TOTAL PROJECT COST		\$ 12,980,000
Less 1971, 1973 Legislative appropriations		480,000
TOTAL THIS REQUEST		\$ 12,500,000

Construction costs are estimated at \$64.80/g.s.f. for 133,000 g.s.f. and \$50.63/a.s.f. for remodeling 35,600 a.s.f., mid-construction date July, 1980.

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	12.17 FTE custodial and maintenance workers
Operations	\$383,013
Academic	None

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM A-3: ANIMAL SCIENCE, PHASE II, PLANNING AND WORKING DRAWINGS

JUSTIFICATION

Phase II buildings are needed to provide additional laboratory space for research and graduate student teaching in ruminant and non-ruminant nutrition, genetics, breeding, and animal management. Replacement of existing laboratories that are inadequate and obsolete and construction of new laboratories and special classrooms for undergraduate teaching will also be provided. In addition, new animal facilities on the St. Paul Campus and renovation of obsolete but structurally sound animal facilities for beef cattle, dairy cattle, swine and sheep, as well as completion of a heavily used but currently inadequate livestock arena will be achieved in the Phase II program. Finally, reuniting of the faculty of the Department of Animal Science, now housed in four separate buildings, will be accomplished through new construction and connecting links.

DESCRIPTION

Approximately 125,939 g.s.f. of new space and 88,656 g.s.f. of renovated space will be provided by Phase II construction.

New Construction

Main Phase II Laboratory Building	
Nutrition Laboratory	22,580
Genetics and Breeding Laboratory	8,300
Environmental Management Lab	5,900
Teaching Labs and Special Classrooms	<u>6,000</u>
Subtotal	42,780
Completion of Livestock Arena	9,000
Facilities for Farm Animals	
Dairy Cattle	20,000
Swine	6,400
Teaching space	6,400
Service and Storage	<u>12,000</u>
Subtotal	44,800
TOTAL	96,580 a.s.f. 129,939 g.s.f.

Renovated Space

Haecker Hall	
Laboratories	6,000
Conference and Classrooms	4,600
Offices, Service, Storage	<u>13,400</u>
Subtotal	24,000

Facilities for farm animals		
Beef Barn Building #302	23,000	
Dairy Barns, Buildings #326, #328, #344	19,600	
Swine Barns 309-A and 309-C	<u>7,504</u>	
Subtotal	50,104	
TOTAL	74,104 a.s.f.	88,656 g.s.f.

When completed, this facility will accommodate the following capacities:

Students	
Graduate	60
Undergraduate	560
Faculty	30
Staff	38

PREVIOUS APPROPRIATIONS

1971 - \$10,366,500 requested for completion of Phase I, \$7,575,000 requested for Phase II Animal Science Facility; \$10,000,000 appropriated for completion of Phase I.
 1973 - \$370,000 requested for Animal Science Phase II planning funds; no appropriation.
 1976 - \$110,000 requested for planning funds; no appropriation.
 1977 - \$107,000 requested; no appropriation.
 1978 - \$116,000 requested; no appropriation.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 12,106,395
New Construction	\$ 10,866,985	
Renovation	1,239,410	
Non-building costs		4,808,008
Consultants fees	722,019	
Equipment and furnishings	2,629,350	
Sitework (including utilities)	820,689	
Other (supervision, contingency and miscellaneous)	635,950	
TOTAL PROJECT COST		\$ 16,914,403
TOTAL THIS REQUEST		\$ 676,576

Construction costs are estimated at \$86.29/g.s.f. for new construction and \$13.98/g.s.f. for renovation, mid-construction date April, 1983.

SPACE RELEASED FOR OTHER USE

All of Peters Hall (Building 372) except the auditorium 21,092 a.s.f.

All space in the Livestock pavilion (Building 321) assigned to Animal Science 15,642 a.s.f. A total of 36,734 a.s.f.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	13.96 FTE custodial and maintenance workers
Operations	\$438,849
Academic	
Personnel	9 laboratory technicians, scientists, farm animal technicians (\$116,640)
	3 secretaries; 1 senior secretary (\$37,800)
Operations	\$60,480 (includes \$5,400 non-recurring item)

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM A-4: CIVIL/MINERAL ENGINEERING BUILDING

JUSTIFICATION

The facilities for essential laboratory instruction and research in Civil and Mineral Engineering are grossly inadequate and are dispersed among five buildings. The main building dates from 1912. A 1973 report by an external review team referred to the facilities as "a disaster, probably the worst of any major civil engineering department in the United States," and "a managerial nightmare that precludes coordinated and organized development and that inhibits any substantial improvement in the educational programs."

Student enrollment has grown continuously for more than a decade while facilities and staff have been reduced. Considering the timeliness and critical nature of the problems of environment, water, energy and mineral resources, third world development, and mass-transit which Engineering confronts today, it is expected that enrollments will continue to rise and research activities increase. Proper physical facilities are required to meet these needs.

It is proposed to design the new facility as an "earth-sheltered, energy-independent" building, to demonstrate that fuel requirements of institutional or commercial-industrial buildings can be reduced dramatically (by 70% or more) using technology that is now available, and that they can be built economically and attractively. Earth-sheltered design virtually eliminates the serious hazard of freeze-up during extended winter power outages. Early demonstration of these design principles is of major social and economic significance for states such as Minnesota, where more than one-third of the energy supply is used for heating and cooling of buildings, fuel costs are rising rapidly, and the future availability of supplies is uncertain.

Initial costs of earth-sheltered, energy-independent buildings are competitive with standard above-ground construction, but operating and maintenance costs will be drastically reduced. Considering also that open space is conserved, this method of construction is especially well suited for State-funded buildings in a densely built area such as the Minneapolis Campus.

DESCRIPTION

Funds to construct a new building or a combination of a new and remodeled facility are requested. A building of approximately 150,000 g.s.f. would be required with space assigned as follows:

Classroom	8,100
Laboratories	48,000
Administrative offices	2,000
Faculty offices	6,500
Service areas	<u>18,000</u>
TOTAL	82,600 a.s.f.

The new facility would provide laboratory space and much of the classroom space for:

Undergraduates	400 (daily)
Graduates	200
Staff	60

PREVIOUS APPROPRIATIONS

1969 - \$10,454,700 requested for Phase I Civil Engineering and Electrical Engineering Building; no appropriation.
1971 - \$9,626,000 requested for Engineering Complex, Phase I; no appropriation.
1976 - \$110,000 requested for preliminary planning; no appropriation.
1977 - \$160,000 requested for preliminary planning; no appropriation.
1978 - \$680,000 requested and appropriated for planning and working drawings.

COST ESTIMATE

Land Acquisition	-0-
Construction	\$ 12,916,260
Non-building costs	4,305,420
Consultants fees	\$ 788,400
Equipment and furnishings	1,937,520
Sitework (including utilities and landscaping)	907,200
Other (supervision, contingency and miscellaneous)	672,300
TOTAL PROJECT COST	\$ 17,221,680
Less 1978 Legislative appropriation	\$ 680,000
TOTAL THIS REQUEST	\$ 16,541,680

Construction costs are estimated at \$86.11/g.s.f., mid-construction date December, 1981.

SPACE RELEASED FOR OTHER USE

Approximately 17,300 a.s.f. of space in Mines and Metallurgy and 27,800 a.s.f. in Experimental Engineering (about 10,000 of which cannot be effectively used) would be released for other uses.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	10.89 FTE custodial and maintenance workers
Operations	\$393,735
Academic	Information not available.

ITEM B-1: AGRONOMY & PLANT GENETICS, PLANT PATHOLOGY, AND SOIL
SCIENCE ADDITIONS

JUSTIFICATION

Long-term, worldwide food shortages, the demand for increased food production of high nutritive value without environmental insult or increased consumer cost, stabilization of farm income, increased land values, and the need for integrated plant disease control systems have all coincided over the past few years to greatly increase the demand for graduates and for expanded and new research and extension programs in Agronomy and Plant Genetics, Plant Pathology, and Soil Science.

These three Departments have historically been graduate units, but in the past seven years undergraduate enrollments have increased by 314 percent and student credit hours taught have more than tripled. Since 1973 enrollment in Plant Health Technology, a new undergraduate major, has grown from zero to almost 100.

In the past few years an entirely new awareness of the importance of a sustained and economic supply of food in the United States, and of the critical importance of this to food supply problems worldwide, has brought rapid and unparalleled changes in the demands upon these three Departments for graduate study and research. Studies of food needs, the genetic vulnerability of crop plants, pest control strategies, agricultural climatology, land use, crop management and fertility and the research needed to meet them have been conducted in the past six years by the National Academy of Science, the National Science Foundation and other state and Federal agencies. All, including the recently published World Food and Nutrition Study (June, 1977), emphasize the importance of increased research to improve the productivity of crops and soils, and to control diseases that reduce crop productivity. In equally high demand are the extension programs in these three areas which affect the transfer of newly developed technology to the agricultural industry.

The Departments have national and international reputations and are asked daily to take on new responsibilities. Opportunities for significant Federal funding of their programs through grants and contracts are great; although they have obtained substantial new funding from such sources, they cannot take full advantage of these without additional facilities. The capability of the Departments of Agronomy and Plant Genetics, Plant Pathology, and Soil Science to respond to these imperative needs and demands is dependent upon the construction of the requested additions.

DESCRIPTION

Construction funds are requested for additions to be constructed adjacent to the present Agronomy & Plant Genetics, Plant Pathology, and Soil Science buildings to provide needed space for the teaching, research, extension and administrative activities of the Departments. Additions totaling 149,397 g.s.f. are envisioned, with assignable square feet as follows:

Classrooms	9,000	
Laboratories	49,475	
Administrative Offices	2,100	
Faculty Offices	9,309	
Other teaching, research, extension service areas	<u>19,575</u>	
TOTAL	89,459 a.s.f.	149,397 g.s.f.

The requested space would provide for a 250 seat classroom-auditorium (4000 a.s.f.) to meet the needs of these and other plant science departments in teaching large classes resulting from increased undergraduate enrollments.

PREVIOUS APPROPRIATIONS

Agronomy & Plant Genetics

- 1971 - \$290,000 requested for Agronomy Greenhouse and Field Laboratory; no appropriation.
- 1973 - \$200,000 requested for greenhouse; no appropriation.
- 1976 - \$28,600 requested for addition and greenhouse planning funds; \$350,000 appropriated for greenhouse.
- 1977 - \$40,000 requested for preliminary planning of addition; no appropriation.

Soil Science

- 1969 - \$151,300 requested for completion of third floor wing of the Soil Science Building and Greenhouse; no appropriation.
- 1971 - \$188,000 requested and appropriated for third floor wing of Soil Science Building and Greenhouse.
- 1978 - \$574,103 requested and appropriated for planning and working drawings.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 10,765,547
Non-building costs		3,587,022
Consultants fees	\$ 645,664	
Equipment and furnishings	1,542,419	
Sitework (including utilities and landscaping)	753,274	
Other (supervision, contingency, and miscellaneous)	645,665	
TOTAL PROJECT COST		\$ 14,352,569
Less planning funds and cost of working drawings funded in 1978.		574,103
TOTAL		\$ 13,778,466
TOTAL THIS REQUEST		\$ 7,000,000

Construction costs are estimated at \$72.06 g.s.f., mid-construction date September, 1981.

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	10.84 FTE custodial and maintenance workers
Operations	\$392,152
Academic	None

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM B-2: ADDITION TO BUSINESS ADMINISTRATION TOWER

JUSTIFICATION

The College of Business Administration is committed to adding 35 senior faculty plus support staff over the next four years in order to bring resources into a better relationship with the demands for teaching, research, and public service and to meet accreditation standards. Twenty of these positions will be requested from University resources, with the rest funded by other sources.

Since 1963 when the College of Business Administration moved to the West Bank, the Program has more than doubled in the numbers of students, staff, and faculty, not including Extension students. The CBA Program has outgrown the building. Faculty and staff are spread out vertically over ten floors of one building and into basements of two other buildings. Compartmentalization of faculty has resulted thereby, with a concomitant degradation of effectiveness and efficiency. Continuing education programs, which could draw the business community into the College, are conducted in inadequate hotel facilities for lack of campus facilities (including restaurant facilities for all-day conferences). In addition, there is insufficient space for the Industrial Relations Room and there is a lack of common rooms for faculty and students.

DESCRIPTION

Additional space is needed to consolidate existing faculty and staff, provide for increases in faculty and staff, house the Industrial Relations Reference Room and the Business Reference Service, and meet the need for additional case-type classrooms, continuing business education facilities, small group discussion rooms, and common rooms for faculty and students. These needs could be met by a four-story addition to the existing Business Administration Tower. A 50,000 g.s.f. facility is envisioned, with space assigned as follows:

Business library	6,000
Industrial Relations Reference Room	6,000
Food Service	4,500
Seminar rooms (5)	5,000
Conference rooms (3)	1,000
Placement Office	1,500
Student meeting and discussion space	2,500
Expansion of MISRC, IRC, CBE	2,600
Offices for new staff	6,600
Office needs for current functions	<u>1,100</u>
TOTAL	36,800 a.s.f.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 3,000,000
Non-building costs		1,000,000
Consultants fees	\$ 180,000	
Equipment and furnishings	320,000	
Site work (including utilities and landscaping)	280,000	
Other (supervision, contingency, miscellaneous)	220,000	
TOTAL THIS REQUEST		\$ 4,000,000

Construction costs are estimated at \$60.00/g.s.f., mid-construction date June, 1982.

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	3.63 FTE maintenance and custodial workers
Operations	\$118,745
Academic	To be determined.
Personnel	
Operations	

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM B-3: WOMEN'S INTERCOLLEGIATE SOFTBALL FACILITY

JUSTIFICATION

The present intercollegiate softball field, shared with Recreational Sports and Physical Education, is inadequate for handling the needs of an intercollegiate softball program. The University of Minnesota has shown strong support and made a commitment to women's athletics. The present softball field not only fails to meet the developing needs of the program, but does not offer a facility comparable to that of the men. In addition, public awareness of the program has resulted in a growing number of spectators who cannot be effectively accommodated.

DESCRIPTION

Funds to construct a fully enclosed, properly lighted infield and outfield with locker rooms and showers, bleachers to accommodate 1,000 spectators, dug-outs, bull-pens, necessary office space, storage room, training room and facilities, meeting rooms and concession area, ticket booth, lighted electric scoreboard, and public address system are requested.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

TOTAL THIS REQUEST \$ 117,920

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	
Operations	To be determined.
Academic	
Personnel	
Operations	

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM C-1: FRASER HALL REMODELING, WORKING DRAWINGS

JUSTIFICATION

Plans have been made for the assignment of Fraser Hall to the College of Liberal Arts for use by several units of this College which are now located in widely dispersed areas of the Minneapolis Campus. Three CLA departments or programs--English, American Studies, and Art History--are tentatively included in the plan for the use of Fraser Hall. Both the proximity of Fraser Hall to Walter Library and the configuration of some of the rooms for the special visual classroom needs of Art History make the move of these programs to this building appropriate. Final decision on the location of units from the College of Liberal Arts to a remodeled Fraser Hall will await the preliminary findings of the study of East Bank buildings which was funded by the 1977 Legislature.

DESCRIPTION

Remodeling of Fraser Hall will bring the building up to code requirements, allow for improvement in mechanical and electrical systems, and provide for adapting space to the needs of the College of Liberal Arts.

PREVIOUS APPROPRIATIONS

- 1977 - Fraser Hall included in capital request but no amount requested pending the study of the reuse of Fraser Hall.
- 1978 - \$4,639,000 requested for Renovation of Fraser Hall and Remodeling of Folwell Hall, of which \$3,639,000 was for Fraser Hall; \$1,000,000 appropriated for Folwell Hall.

COST ESTIMATE

Construction		\$ 3,300,000
Non-building costs		1,100,000
Consultants fees	\$ 247,500	
Equipment and furnishings	330,000	
Sitework (including utilities)	308,000	
Other (supervision, contingency, and miscellaneous)	214,500	
TOTAL PROJECT COST		\$ 4,400,000
TOTAL THIS REQUEST		\$ 176,000

Construction costs are estimated at \$33.00/g.s.f. for 100,000 g.s.f., mid-construction date June, 1982.

SPACE RELEASED FOR OTHER USE

Space vacated by English in Lind Hall will be assigned to programs in the Institute of Technology which have been overcrowded due to student enrollment increases in recent years. Space vacated in Klaeber Court could be assigned to units now in remote locations or in rental space off campus.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM C-2: SMITH HALL REMODELING AND REHABILITATION

JUSTIFICATION

The major consideration in renovating Smith Hall is to provide modern and expanded facilities for undergraduate teaching and graduate research. These renovated facilities are to be used by new faculty members who will be heavily involved in undergraduate teaching at the freshman and sophomore levels. Current space available for these activities dates from 1920-1930 and is no longer suitable according to modern standards.

While the space available to the Department of Chemistry is sufficient for its instructional programs the quality of the space is totally inadequate for today's teaching and research requirements. The pressing need is to improve these facilities bringing them in line with modern standards of safety so they may be used for the teaching and research activities of the Department.

DESCRIPTION

Funds requested will be used to continue rehabilitation of educational facilities used by the Department of Chemistry for both undergraduate and graduate teaching. The total renovation program would encompass 187,032 g.s.f., with 110,000 a.s.f. to be used as follows:

Classrooms	7,500
Teaching laboratories	28,000
Research labs for graduate education	36,000
Administrative offices	6,500
Faculty offices	8,000
Shops, storage, stockrooms	<u>24,000</u>
TOTAL	110,000 a.s.f.

PREVIOUS APPROPRIATIONS

- 1955-1965 - \$200,000 requested and appropriated each biennium to maintain and upgrade basic utilities.
- 1971 - \$1,940,000 requested for renovation of teaching and related facilities; \$300,000 appropriated.
- 1973 - \$400,000 requested for rehabilitation of educational and safety facilities; no appropriation.
- 1976 - \$330,000 requested; \$150,000 of a \$500,000 appropriation allocated for Smith Hall.
- 1977 - \$300,000 requested; no appropriation.
- 1978 - \$324,000 requested; \$2,400,000 appropriated.

COST ESTIMATE

TOTAL THIS REQUEST

\$ 2,000,000

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM C-3: FOLWELL HALL REMODELING--COMPLETION

JUSTIFICATION

The language departments in the College of Liberal Arts are housed in three separate locations, with the majority being located in Folwell Hall. In keeping with the general plan to consolidate programs in one building or area, Folwell Hall will become the University's language building. Other occupants of Folwell Hall will be relocated elsewhere over a period of time as part of the East Bank Planning Program. A remodeling project that will upgrade the building as one complete facility is necessary in order to house the languages properly and make maximum use of the building, but because Folwell Hall is presently occupied by other departments as well as the languages, only partial remodeling is possible at this time.

DESCRIPTION

This request is for funds to complete a two-phase program to remodel Folwell Hall. Requested funds will permit the University to comply with existing building codes, meet requirements of the physically handicapped, economize on the consumption of energy, and reconstruct parts of Folwell Hall to make more efficient use of available space. Construction of interior space will also be part of this project.

PREVIOUS APPROPRIATIONS

1978 - \$4,639,000 requested for renovation of Fraser Hall and Phase I remodeling of Folwell Hall; \$1,000,000 appropriated for Phase I remodeling of Folwell Hall.

COST ESTIMATE

Land Acquisition	-0-
Construction	\$ 2,456,730
Non-building costs	543,270
Consultants fees	\$ 196,538
Equipment and furnishings	122,836
Site work	73,702
Other (supervision, contingency, miscellaneous)	150,194
TOTAL PROJECT COST	\$ 3,000,000
Less 1978 appropriation	1,000,000
TOTAL THIS REQUEST	\$ 2,000,000

Construction costs are estimated at \$23.18/g.s.f., based on two phases of remodeling. Second phase to commence July, 1980.

SPACE RELEASED FOR OTHER USE

To be determined.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Not applicable.

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM C-4: REMODELING OF NORTH HALL FOR LANDSCAPE ARCHITECTURE

JUSTIFICATION

The Landscape Architecture Program is administered through two separate academic units on two separate campuses but functions as one administrative and teaching unit. This physical and programmatic fragmentation results in an inadequate learning environment and inadequate facilities. Consolidation of faculty and student facilities is mandatory if adequate space for design studios, juries, faculty offices, and administrative work and storage is to be achieved. Certainly it is imperative if greater on-going communication between faculty is to be enhanced and if greater faculty-student-peer learning, problem sharing, critical evaluation, and exchange of ideas are to be facilitated. Further, it is important for purposes of visibility within the University that a "home" be created for the Landscape Architecture Program.

DESCRIPTION

Funds are requested to remodel 44,327 g.s.f. in North Hall to accommodate under one roof the presently scattered facilities of the Landscape Architecture Program. Remodeling will provide three studio spaces to accommodate at least thirty students each, individual work space and common student space, formal review and display areas, graduate student studios, and consolidated faculty office space. Assignable space would be as follows:

Three studio areas	1,050	
Individual work space and storage	5,850	
Common student space (work space, storage, discussion area)	4,500	
SUBTOTAL		11,400
Review and display space	5,000	
Miscellaneous support areas (photo lab, print enlarger, shop, model storage)	2,100	
SUBTOTAL		7,100
2 studios for 15 graduate students each	3,400	
Miscellaneous support areas for graduate students	5,000	
SUBTOTAL		8,400
Faculty offices	1,750	
Administration	1,000	
SUBTOTAL		<u>2,750</u>
TOTAL SPACE REQUIREMENTS		29,650 a.s.f.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 1,818,737
Non-building costs		299,863
Consultants fees	\$ 96,030	
Equipment and furnishings	60,018	
Sitework (including utilities)	72,021	
Other (supervision, contingency, miscellaneous)	71,794	
 TOTAL THIS REQUEST		 \$ 2,118,600

Remodeling costs are estimated at \$41.03/g.s.f., mid-construction date March, 1982.

SPACE RELEASED FOR OTHER USE

A total of 4,183 a.s.f. in Alderman Hall, needed by the Department of Horticultural Science and Landscape Architecture, would be released. Other presently used space has been committed for other programs or will be demolished.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	
Operations	
Academic	
Personnel	2 Secretaries
	Miscellaneous help
Operations	\$25,581

University of Minnesota, Twin Cities Campus, Institutional Detail

ITEM D-1: UNIVERSITY AREA SHORT RANGE TRANSPORTATION PROGRAM, PHASE I

JUSTIFICATION

The Twin Cities Campus and nearby areas in Minneapolis and St. Paul have been experiencing increasing transportation problems including parking deficiencies, excessive travel distance and travel time for inter-campus transit service, traffic congestion, negative impacts of University traffic on neighborhood streets, and vehicle/pedestrian/bicycle conflicts. Several previous studies have been conducted to analyze these problems and develop appropriate solutions. These studies include "St. Paul Campus Long-Range Development Plan" (1972), "University Area Transit Study" (1973), and "Minneapolis Campus Long-Range Development Plan" (1976).

Representatives of the University of Minnesota, Cities of Minneapolis and St. Paul, Minnesota Department of Transportation, Metropolitan Transit Commission, and Metropolitan Council have met frequently to discuss an approach for implementing transportation improvements in the Minneapolis Campus Plan, as well as related improvements proposed in the St. Paul Campus Plan and other projects. These meetings resulted in a study design for the University Area Short Range Transportation Program and a decision to proceed jointly on this project.

Benefits resulting from proposed improvements are substantially reduced travel time between Minneapolis and St. Paul campuses; the reduction of numbers of buses needed to provide transit services with a concomitant reduction in costs and in traffic impact on nearby residential neighborhoods; provision of 5,100 additional parking spaces to alleviate existing deficiencies, reduce on-street parking in neighborhoods, and relieve automobile congestion in central campus areas; provision of safe and direct connection between campuses for bicyclists, thereby reducing vehicle/bicycle/pedestrian conflicts.

DESCRIPTION

Funds requested are to provide a transit corridor connecting the Minneapolis and St. Paul portions of the Twin Cities Campus. The proposed route will begin at a West Bank remote parking lot just west of I35W, cross the Washington Avenue bridge, pass through the East Bank Campus to Oak and 4th Street, S.E., then proceed along an abandoned railroad right-of-way to Kasota Avenue in St. Paul. From there it will proceed northward along Transfer Road to Como Avenue, then through State Fairgrounds right-of-way to the St. Paul Campus. Four remote parking lots and associated roadway improvements are an integral part of this program as well.

The majority of funds requested in Phase I will be used to provide the local share for federal funding under the I-335 interstate substitution program. In addition, funds are requested for two roadway improvements which are integral to the operation of the bus corridor in the East Bank area. Phase II of this request will involve the development of other roadway improvements which will further complement the transit operations.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Cost for the entire transportation program project is estimated at \$13,881,000 in 1978 dollars (\$16,190,798 in 1980 dollars). Costs for that portion relating to the transit corridor, remote parking, and associated roadway improvements are as follows:

Land Acquisition		\$ 2,764,000
Construction		6,853,360
Busway	\$ 1,390,000	
Remote Parking	1,541,940	
Associated right-of-way improvements	3,921,420	
Non-building costs		490,640
TOTAL PROJECT COST (1978 dollars)		\$ 10,108,000
TOTAL PROJECT COST (1980 dollars)		\$ 11,789,971
University Share (1980 dollars)		907,459
Health Science Connector (1980 dollars)		163,296
TOTAL THIS REQUEST		\$ 1,070,755

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None. A savings of \$74,000/year is estimated for a reduced number of buses necessary to provide transit service.

University of Minnesota, Health Sciences, Institutional Detail

ITEM 1: SCHOOL OF PUBLIC HEALTH, REMODELING OF VACATED CLINIC SPACE

JUSTIFICATION

The School of Public Health is now located in nine buildings, six of which are temporary or rented locations, and has already reached an enrollment originally projected for 1986. The remodeled clinic space will provide the opportunity to develop appropriately planned permanent space for some of the School's thirteen programs in lieu of the original plan for a single new building (Unit G).

DESCRIPTION

Funds are requested for the remodeling and rehabilitation of approximately 25,000 a.s.f. space re-assigned to the School of Public Health as a result of the move of outpatient clinics to Unit B/C.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Construction		\$ 2,475,000
Non-building costs		825,000
Consultants fees	\$ 231,000	
Equipment and furnishings	330,000	
Sitework (including utilities)	132,000	
Other (supervision, contingency, and miscellaneous)	132,000	
TOTAL THIS REQUEST		\$ 3,300,000

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Health Sciences, Institutional Detail

ITEM 2: REMODELING OF VACATED SPACE FOR ANESTHESIOLOGY

JUSTIFICATION

Approximately ten years ago, the Health Sciences began a comprehensive study of long range development of program and facilities to respond to state and national needs for increased health manpower. An important outcome of this comprehensive study was a plan to increase the undergraduate medical student enrollment from 687 in 1968 to a projected total of 1,032 in 1980. Since adoption of this plan, we have entered into a contractual arrangement with the state of North Dakota to educate 35 of their students, bringing the total projected enrollment to 1,067.

The present Head of this department is retiring in June, 1978 and a new Head is being sought. Three external consultants have recommended an increase in faculty from the present 15 to 25 to enable the department to provide sufficient strengths to maintain acceptable academic standards. This request is to provide funds for remodeling partial square feet of the total space to be assigned to the department.

The Master Plan, developed for the facilities expansion needed to accommodate this increased enrollment, assigned expansion space for the Anesthesiology program in space to be vacated in the Mayo Building when units moved into the new space in Unit B/C. This vacated space will become available in late 1978.

DESCRIPTION

Funds are requested to remodel 2,025 square feet of vacated space on the B wing of the 5th floor of Mayo Building for the Department of Anesthesiology.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Remodeling	\$ 60,143
Non-building costs	6,682
TOTAL THIS REQUEST	\$ 66,825

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Health Sciences, Institutional Detail

ITEM 3: REMODELING OF VACATED SPACE FOR MICROBIOLOGY

JUSTIFICATION

Approximately ten years ago, the Health Sciences began a comprehensive study of long range development of program and facilities to respond to state and national needs for increased health manpower. An important outcome of this comprehensive study was a plan to increase the undergraduate medical student enrollment from 687 in 1968 to a projected total of 1,032 in 1980. The total Health Sciences enrollment has increased from 3,170 in 1969 and is projected to increase to 4,500 in 1980.

A key element in providing the educational facilities needed for this expanding student body is the need for improved and modernized laboratories and teaching space to provide effective and efficient instructional space for the Basic Science departments.

The Basic Science departments provide instruction for the Health Science students in all disciplines, with utilization of their teaching programs heaviest in the first two years of the various curricula. In addition, approximately 20% of the instruction by these departments is provided to other collegiate units of the University such as Agriculture, Home Economics, Forestry, Veterinary Medicine, Education, College of Liberal Arts, and the College of Biological Sciences. The Department of Microbiology also serves as a department in the College of Biological Sciences and in this unique role, is responsible for all instruction of Microbiology for the University of Minnesota.

The Master Plan, developed for the facilities expansion needed to accommodate this increased enrollment, assigned expansion space for 5 of the 6 Basic Science departments in the Jackson/Owre/Millard/Lyons complex. Needed expansion space for the 6th department, the Microbiology program, was to be provided in space to be vacated in Mayo Building when units moved into the new space in Unit B/C. It is projected that the vacated space to be assigned to the Department of Microbiology will be available in 1981.

DESCRIPTION

Funds are requested to remodel 12,200 net square feet of vacated space on floors 14 and 15 of the Mayo Building for the Department of Microbiology.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Remodeling	\$ 1,438,081
Non-building costs	647,135
TOTAL THIS REQUEST	\$ 2,085,216

SPACE RELEASED FOR OTHER USE

None. This represents needed expansion space programmed for Microbiology.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Utilities and Services--Twin Cities Campus,
Institutional Detail

ITEM 1: HEATING PLANT CONVERSION, MINNEAPOLIS

JUSTIFICATION

This request is a continuation of the 1974 projection for converting the Minneapolis Plant to 100 percent Western coal. To date, the University of Minnesota has followed an orderly procedure of modifying the existing boilers in the central Heating Plant with emission control equipment (baghouses) to bring the Plant into compliance with EPA and MPCA regulations.

In addition, the Southeast Steam Plant has been purchased to provide boiler expansion to cover the projected loss in boiler output. Existing boilers are being degraded in output capacity to assure the efficient burning of low Btu coal.

DESCRIPTION

This request includes the following work in the Southeast Plant. Boiler No. 4 will be modified to be in full compliance with EPA and MPCA regulations when burning Western coal. New coal and ash handling equipment will be installed as well as electrical and piping changes. The inter-connection of the two Plants will be finished.

PREVIOUS APPROPRIATIONS

- 1976 - \$9,888,730 requested, of which \$7,179,330 was for leasing and purchasing of Northern States Power Southeast Plant; \$1,000,000 appropriated.
- 1977 - \$3,194,300 requested; no appropriation.
- 1978 - \$3,673,000 requested and appropriated for pollution control and heating plant expansion.

COST ESTIMATE

TOTAL THIS REQUEST \$ 5,700,000

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Not applicable.

University of Minnesota, Utilities and Services--Twin Cities Campus,
Institutional Detail

ITEM 2: HEATING PLANT CONVERSION, MINNEAPOLIS

JUSTIFICATION

This request is a continuation of the 1974 projection for converting the Minneapolis Plant to 100 percent Western coal. To date, the University of Minnesota has followed an orderly procedure of modifying the existing boilers in the central Heating Plant with emission control equipment (baghouses) to bring the Plant into compliance with EPA and MPCA regulations.

In addition, the Southeast Steam Plant has been purchased to provide boiler expansion to cover the projected loss in boiler output. Existing boilers are being degraded in output capacity to assure the efficient burning of low Btu coal.

DESCRIPTION

This request includes the following work in the Southeast Plant. Boiler No. 4 will be modified to be in full compliance with EPA and MPCA regulations when burning Western coal. New coal and ash handling equipment will be installed as well as electrical and piping changes. The interconnection of the two Plants will be finished.

PREVIOUS APPROPRIATIONS

- 1976 - \$9,888,730 requested, of which \$7,179,330 was for leasing and purchasing of Northern States Power Southeast Plant; \$1,000,000 appropriated.
- 1977 - \$3,194,300 requested; no appropriation.
- 1978 - \$3,673,000 requested and appropriated for pollution control and heating plant expansion.
- 1979 - \$5,700,000 requested.

COST ESTIMATE

TOTAL THIS REQUEST \$ 4,069,190

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Not applicable.

University of Minnesota, Utilities and Services--Twin Cities Campus,
Institutional Detail

ITEM 3: HEATING PLANT BOILER REPLACEMENT, PLANNING FUNDS, ST. PAUL

JUSTIFICATION

The St. Paul Campus Heating Plant had a maximum load of 185,000 lbs. of steam/hr. during the winter of 1977-78. With the anticipated load increases with the new buildings and building additions under construction or in planning, it is mandatory that this Plant capacity be enlarged. This is best accomplished by replacing boiler No. 3 with a larger and more reliable unit. Boiler No. 3 was built and installed in the old Power Plant in 1940. In 1955, it was moved to the new (present) Heating Plant. At that time, the furnace was never completely rebuilt (hopper bottom was omitted). This boiler is also one of the two boilers in the Plant that has no emission cleanup equipment.

DESCRIPTION

The new boiler will be sized at 70,000 lbs./hr. and will be similar in design to boilers No. 5 and No. 6. Besides the boiler and its auxiliaries, the project involves enlargement of the building, piping changes, electrical modifications and a new stack.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

TOTAL THIS REQUEST \$ 200,000

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Duluth Campus, Institutional Detail

ITEM 1: SCHOOL OF BUSINESS AND ECONOMICS BUILDING

JUSTIFICATION

During the period 1969-1975 a series of studies to define the programmatic and space needs on the campus and in the social science disciplines was conducted internally and by external consultants. These studies have shown that there is a well-defined need for additional space for the departments which make up the School of Business and Economics and that the utilization of space on the Duluth Campus is relatively high when compared with that on campuses in other university systems.

While the growth in enrollment at UMD has been modest for the past several years, the number of students enrolled in programs in the School of Business and Economics has almost doubled in the past five years and is equivalent to approximately 20% of the total enrollment at UMD.

DESCRIPTION

This request is for a new building to house the School of Business and Economics. The facility requested will house the four departments of the School: Accounting, Business Administration, Business, Office and Economic Education, and Economics. Also to be housed in this proposed building are the Bureau of Business and Economic Research, the Center for Economic Education, and other outreach and service programs, all of which serve as integral units of the School.

The new facility will have a total of 36,018 g.s.f. with space assignable as follows:

Classrooms	6,360
Instruction and Research Laboratories	5,240
Model Office	600
Faculty and Administrative Offices	7,470
Commons Space	<u>500</u>
TOTAL	20,170 a.s.f.

The new facility will accommodate the following capacities:

Students	2,696
Faculty	30
Staff	7

PREVIOUS APPROPRIATIONS

1969 - \$1,900,000 requested for Social Science Building; no appropriation.
1971 - \$3,500,000 requested for Social Science Building; no appropriation.
1973 - \$200,000 planning funds requested for Social Science Building; of the \$100,000 appropriated for preliminary planning and a feasibility study, \$77,000 remains for preliminary planning.
1976 - \$5,838,250 initially requested for Social Science Building. Request revised to \$2,533,300 for School of Business and Economics Building; no appropriation.
1977 - \$2,796,630 requested; no appropriation.
1978 - \$3,028,360 requested; \$50,000 appropriated to prepare working drawings.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 2,345,270
Non-building costs		782,090
Consultants fees	\$ 140,778	
Equipment and furnishings	251,262	
Sitework	201,960	
Other (supervision, contingency and miscellaneous)	188,090	
TOTAL PROJECT COST		\$ 3,127,360
Less remaining balance of 1973 appropriation		77,000
Less 1978 appropriation		50,000
TOTAL THIS REQUEST		\$ 3,000,360

Construction costs are estimated at \$65.12/g.s.f., mid-construction date July, 1980.

SPACE RELEASED FOR OTHER USE

1,447 a.s.f. in the Library and 10,408 a.s.f. in the Social Science Building will be released for use by the Art, Geography, Music and Psychology Departments.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	2.60 FTE custodial and maintenance workers
Operations	\$85,539
Academic	
Personnel	5 FTE over next two biennia (these positions are not contingent upon a new facility)
Operations	Funding for above personnel

University of Minnesota, Morris Campus, Institutional Detail

ITEM 1: BEHMLER HALL REMODELING

JUSTIFICATION

Increasing demands for administrative services, faculty teaching and research activity, and educational use by students of the Computer Center in Camden Hall mandate expansion and relocation. Because of its present location and structural and environmental shortcomings, Camden Hall cannot be sufficiently renovated to meet the teaching, research, and administrative needs of the Computer Center. The ground floor of Camden Hall is an ideal choice because it is the center of administrative activity including the Records, Financial Aid, and Business Offices with their high computer use and because it is centrally located on the campus. Further, the functions currently being performed can and, indeed, for high efficiency, should be relocated to the UMM Food Service Building.

DESCRIPTION

Funding is requested for the remodeling of the basement or ground level of Behmler Hall to permit a relocation and expansion of the Morris Campus Computer Center.

Approximately 6,000 square feet would be remodeled to provide facilities for the teaching, research, and administrative data processing activities of the UMM Computer Center. The facility would include a large user area, offices for staff, an expanded operations area, and certain ancillary facilities including a conference room, audio-visual room, and storage. Proper attention would be paid to environmental control, electrical and communication services, adequate security, and accessibility by the physically handicapped.

PREVIOUS APPROPRIATIONS

1969 - \$120,000 requested and appropriated for rehabilitation of first and second floors.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 245,520
Non-building costs		81,840
Consultants fees	\$ 22,000	
Equipment and furnishings	41,140	
Landscaping	7,700	
Other (supervision, contingency, and miscellaneous)	11,000	
TOTAL THIS REQUEST		\$ 327,360

Construction costs are estimated at \$40.92/g.s.f., mid-construction date February, 1981.

SPACE RELEASED FOR OTHER USE

Space presently occupied by the Computer Center in Camden Hall would be released for other use.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Crookston Campus, Institutional Detail

ITEM 1: PHYSICAL EDUCATION BUILDING AND OUTDOOR RECREATION AND ATHLETIC COMPLEX

JUSTIFICATION

The existing physical education facility, Knutson Hall, constructed in 1930, is inadequate in locker room space, equipment storage space, practice areas, gymnasium seating, weight training and training room space. There is no classroom space in the building. The basketball playing area is under regulation size. The men's shower room is being used as an improvised training and taping room, the team room is used for storage and for air circulation equipment for the swimming pool, and the office area has been converted to a laundry room. Corridors and locker rooms are being used for weight training.

The present facilities are used daily for varsity athletics, physical education instructional programs, intramural activities, and continuing education community programs. With the increased numbers of women students on the campus, the necessity for providing physical education instruction and intramural programs for women creates an even greater demand on the existing physical education facilities.

DESCRIPTION

Funds are requested to construct a Physical Education Building of approximately 31,200 g.s.f. and 24,000 a.s.f. and for the development of a 30-acre tract of land for outdoor athletic and recreation activities. The outdoor facilities would be developed on land now owned by the University to provide a hard surfaced athletic play ground, a football field, track and field athletic stations, a physical education shelter building, and drainage and lighting of the complex.

Main gym	4,500	
Bleachers	4,500	
3 Handball courts	2,400	
Multi-purpose gym for wrestling, weights, Physical Education Classes	4,500	
2 Locker rooms with facilities	2,500	
3 Athletic storage rooms	1,300	
Other (including offices, concession area, lavatories, custodial and ticket booths)	<u>4,300</u>	
TOTAL	24,000 a.s.f.	31,200 g.s.f.

Outdoor facilities:

Football field and lighting		
Hard surfaced playground and lighting		
Equipment shelter		
Track and field athletic stations	1,080 a.s.f.	1,200 g.s.f.

This project will provide the following capacities:

Classroom	25
Gymnasium	25
Bleacher seats	1,800
Multipurpose gym	25
Handball courts	6
Offices	8

PREVIOUS APPROPRIATIONS

1959 - \$15,000 requested and appropriated for rehabilitation.
1969 - \$205,000 requested for addition and renovation; no appropriation.
1971 - \$436,000 requested for renovation and addition; \$76,000 appropriated.
1973 - \$60,000 requested for planning funds for Physical Education Building; no appropriation.
1976 - \$33,000 requested for planning funds for Physical Education Building and Outdoor Recreation and Athletic Complex; no appropriation.
1977 - \$33,047 requested for planning funds; no appropriation.
1978 - \$142,763 requested and appropriated for working drawings.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 2,505,702
Physical Education Building	\$ 1,954,368	
Equipment shelter	38,750	
Athletic field	323,737	
Athletic field lighting	188,847	
Non-building costs		\$ 1,063,372
Consultants fees	150,342	
Soil stabilization	140,400	
Equipment and furnishings	224,275	
Extension Service Tunnel	362,880	
Sitework	35,132	
Other (supervision, contingency and miscellaneous)	150,343	
TOTAL PROJECT COST		\$ 3,569,074
Less 1978 appropriation		142,763
TOTAL THIS REQUEST		\$ 3,426,311

Building construction costs are estimated at \$62.64/q.s.f., mid-construction date May, 1981. Athletic field construction costs are estimated at \$18,378 per acre.

SPACE RELEASED FOR OTHER USE

Space now rented would be relinquished.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	2.85 FTE custodial and maintenance workers
Operations	\$74,096
Academic	None

University of Minnesota, Utilities and Services--Crookston Campus,
Institutional Detail

ITEM 2: HEATING PLANT IMPROVEMENTS

JUSTIFICATION

The Crookston Campus heating plant was built in 1913. The three boilers in the plant, with individual capacities of 7500 lbs. of steam per hour, were installed when the plant was modified in 1950. These boilers do not have enough years of efficient operation remaining to warrant the high cost of adding emission control equipment such as baghouses or scrubbers. With the 1978 appropriation of \$270,000, modifications to the two boilers still firing lignite coal will be made to bring them close to compliance with existing codes. These boilers will become emergency or standby boilers in the future. The modifications involve an automated ash handling system and the removal of ash reinjection equipment on each boiler. The automated ash system is being designed with enough capacity to handle the requirement of additional boilers.

DESCRIPTION

Funds are being requested for a new boiler (25,000 lbs/hr) which is sized with enough capacity to serve not only existing loads but also future add-on loads. The new boiler will have an economizer section for improved efficiency and will have emission cleanup equipment for full compliance with Federal and State regulations. In addition to the boiler and its auxiliaries, this request includes a building addition, improved coal handling, and expansion of the plant electrical service.

PREVIOUS APPROPRIATIONS

1973 - \$180,000 requested for conversion of lignite fired boilers to gas-oil firing; no appropriation.
1977 - \$250,000 requested; no appropriation.
1978 - \$270,000 requested and appropriated for Heating Plant Improvements.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 1,861,100
Non-building costs		253,100
Engineering fees	\$ 130,277	
Other (supervision, contingency, and miscellaneous)	122,823	
TOTAL THIS REQUEST (mid-construction date November, 1981)		\$ 2,114,200

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Additional operating labor will be compensated for by a lower raw fuel cost.

University of Minnesota, Utilities and Services--Crookston Campus,
Institutional Detail

ITEM 3: PRIMARY ELECTRICAL REHABILITATION

JUSTIFICATION

The need for increased electrical capacity and reliability developed at the University of Minnesota, Crookston in 1970. Limited changes to the high voltage system were started in 1971 which were aimed at relieving areas of maximum problems. Recent developments have indicated a need for increased capacity and reliability for the electrical distribution system. Recent failures (1976 and 1977) of the system cable and equipment have demonstrated a need for alternate sources of service to minimize lengths of outages. The primary distribution system as it now exists consists of two primary feeders. One of these serves the north section of the campus and Experiment Station and the other the south section. This system provides no alternative source of power in the event a failure occurs on the system.

DESCRIPTION

Funds are requested to upgrade and complete the system upgrading which was begun in 1971. This would be done, in part, by extending the north and south feeders and closing these on the east side of the campus to form a loop system. Breakdown points around the loop would be installed to allow isolation of problem areas and restoration of service to the balance of the campus by supplying it from each side of the loop to the isolated section. The overhead lines would be replaced with underground direct burial cable and the auto-transformers would be eliminated by converting the 2400-volt portion of the system to 4160 volts.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 152,400
Non-building costs		26,040
Engineering fees	\$ 10,668	
Sitework	4,800	
Other (supervision, contingency, and miscellaneous)	10,572	
TOTAL THIS REQUEST (mid-construction date July, 1981)		\$ 178,440

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Waseca Campus, Institutional Detail

ITEM 1: LIVESTOCK LABORATORY AND HOLDING FACILITY

JUSTIFICATION

The University of Minnesota Technical College, Waseca has responsibility for providing technical educational programs in agriculture. Preparation for entry into animal-oriented careers in agriculture production, animal health, and/or animal related industries is the stated occupational goal of at least 60% of those students enrolled at any one time. Many students require "hands on" experience with livestock and livestock equipment to gain competency in livestock production.

Proper facilities are needed in which various animal husbandry techniques may be taught, as well as feed handling and storage, waste disposal, and energy conservation measures. The livestock laboratory would be developed with the goal of supplementing those learning opportunities available at the Southern Experiment Station. Thus dairy and swine herds and facilities at the Experiment Station will be utilized to their maximum potential with the proposed facility housing primarily beef, sheep, and poultry since these species are not available at the station.

DESCRIPTION

The proposed livestock facility and instructional laboratory would total 22,400 g.s.f. Central to the facility would be an arena providing space for demonstrations, a working area for livestock, and adequate space for livestock judging contests. Additionally, two classrooms, a staff office, washrooms, and a grooming area would be built within the arena. Confinement housing units for beef cattle, sheep, and swine would adjoin the arena with a concrete lot next to each unit. Feed handling and storage equipment would be utilized to supply the livestock and as teaching aids. Electrical, sewer, water, and solar heating would be needed as well as access roads, walkways, fences, and some specialized teaching equipment.

Instructional Laboratory:

Arena	9,100
Two classrooms	1,200
Office	120
Washing and grooming area	800
Storeroom	<u>180</u>

SUBTOTAL 11,400 g.s.f.

Animal Confinement Housing:

Beef wing (plus 6,000 g.s.f. concrete apron outside)	4,000
Sheep wing (plus 6,000 g.s.f. concrete apron outside)	4,000
Swine wing (plus 2,000 g.s.f. concrete apron outside)	2,000
Poultry wing	<u>1,000</u>

SUBTOTAL 11,000 g.s.f.

TOTAL 22,400 g.s.f.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 478,500
Non-building costs		257,578
Equipment and feed handling	\$ 197,838	
Landscape and sitework	36,740	
Other (supervision, contingency, and miscellaneous)	22,000	

TOTAL THIS REQUEST (mid-construction date February, 1981)	\$ 735,078
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SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	.51 FTE maintenance workers
Operations	\$27,977
Academic	None

University of Minnesota, Utilities and Services--Waseca Campus,
Institutional Detail

ITEM 2: PRIMARY ELECTRIC REHABILITATION AND UTILITIES

JUSTIFICATION

The primary electrical service to the campus is presently an overhead line with marginal capacity and could be overloaded at times. The need for additional capacity is more prevalent as electrically operated equipment is placed in service at a time when the college is growing in numbers and the demands increase. An underground service would achieve this need and provide capabilities for the future. In addition to the primary, the secondary distribution system will require updating. Because of present campus expansion, access to several campus utilities will be impaired. Funds are requested to relocate these utilities involved.

DESCRIPTION

Funds are requested to provide an underground primary service from 7th Avenue SW across college property to a disconnect near the Physical Education Building. Additional funds are requested to make the necessary changes in the secondary distribution center in the transformer vault and in C Wing. Funds are requested to relocate storm sewer, water, steam and other utilities in or near the construction area of the Special Purpose Laboratory and the Classroom Laboratory.

PREVIOUS APPROPRIATIONS

1969 - \$20,000 requested and appropriated for five-vehicle stall.
1971 - \$108,000 requested for addition to Plant Services; no appropriation.
1973 - \$160,000 requested; no appropriation.
1975 - \$220,000 requested; \$150,000 appropriated.

COST ESTIMATE

Electrical Primary and Secondary	\$ 50,000
Utility renovation and relocation in Special Purpose Laboratory	118,363
Utility renovation and relocation in Classroom Laboratory	41,637
Non-building costs	31,000
TOTAL THIS REQUEST	\$ 241,000

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, West Central Experiment Station--Morris,
Institutional Detail

ITEM 1: ROAD SURFACING AND DRAINAGE

DESCRIPTION

Heavy traffic areas should be surfaced to provide all-weather traffic and to provide drainage without erosion. This request is for the following areas:

- Area A: Extend west from existing surfaced area by Feed Center to provide access to all beef areas and lots with a 20' wide surface.
- Area B: Extend surfaced area to Dairy Facilities and to Sheep Facilities. Area by Dairy for milk trucks and for hauling of silage and feed is also to be surfaced.
- Area C: Surface of area between shop and machine storage facility and the roadway to provide entry and to provide hard surfaced parking.
- Area D: 20' wide driveway into and out of feed center to connect it with surfaced roadway to the animal areas.
- Area E: 20' wide driveway from surfaced roadway to the Horticulture Soils Agronomy Building.

PREVIOUS APPROPRIATIONS

1969 - \$15,000 requested; no appropriation.
1971 - \$35,000 requested; no appropriation.
1973 - \$30,000 requested; \$15,000 appropriated.
1976 - \$45,229 requested; no appropriation.
1977 - \$49,300 requested; no appropriation.
1978 - \$49,300 requested; no appropriation.

COST ESTIMATE

Construction		\$ 57,851
Area A: 2,200 sq. yds.	\$ 13,162	
Area B: 3,869 sq. yds.	23,146	
Area C: 3,000 sq. yds.	17,948	
Area D: 445 sq. yds.	2,662	
Area E: 156 sq. yds.	933	
Non-building costs		\$ 2,887
Engineering	1,736	
Supervision, contingency, and miscellaneous	1,151	
TOTAL THIS REQUEST (mid-construction date September, 1980)		\$ 60,738

SPACE RELEASED FOR OTHER USE

Not applicable.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

None.

University of Minnesota, Southern Experiment Station--Waseca,
Institutional Detail

ITEM 1: DAIRY HEIFER FACILITY

JUSTIFICATION

Approximately 75 heifers from 2 to 24 months of age are now housed in an old dairy barn located 1 mile from the Dairy Research Facility. Inadequate calf pen space requires that 8- to 12-month old heifers be kept in stanchion stalls that were designed for milking cows. Calves are moved to this barn, raised and bred, and returned to the Dairy Research Facility for production.

Considerable labor and energy is required to feed and care for these heifers. Travel is required, the smaller calf pens must be hand cleaned, and approximately 80 percent of feeding is done by hand. Close supervision and the frequent casual observation of animals critical in good dairy management are not possible at this distance.

A new facility would provide desirable housing and environment for growing heifers that are part of an experimental breeding project; save considerable labor and energy by reducing travel and incorporating the feeding and other tasks into a mechanized system already in use at the Dairy Research Facility; enable the resident Junior Scientist to more closely observe these animals and better supervise their care; and make research results more meaningful because all heifers could be given uniform proper care.

DESCRIPTION

A 44 x 108 feet, pole frame, free-stall building including slatted floor and liquid manure pit is requested in addition to pens and stalls of appropriate size for approximately 75 heifers. The facility would include a scale, breeding/treatment stall, calf feed storage, and a small heated area for handling and treating sick animals. The basic feeding system in the Dairy Research Facility is adequate. Additional storage would be needed, and a 20 x 60 feet silo is requested.

PREVIOUS APPROPRIATIONS

No previous requests.

COST ESTIMATE

Land Acquisition		-0-
Construction		\$ 116,050
Non-building costs		42,591
Utilities and sitework	\$ 27,500	
Engineering, supervision, contingency and miscellaneous	15,091	
TOTAL THIS REQUEST (mid-construction date December, 1980)		\$ 158,641

SPACE RELEASED FOR OTHER USE

None.

NEW OR ADDITIONAL ANNUAL OPERATING COSTS

Maintenance	
Personnel	.16 FTE maintenance worker
Operations	\$7,050

TWIN CITIES CAMPUS

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
1. St. Anthony Storm Sewer Assessment	('71) \$ 837,000 ('73) \$ 125,000 ('76) \$ 383,000 ('78) \$ 140,334	Payments being made to the City of St. Paul as work is completed. Payments to date \$1,183,223.52.
2. Veterinary Medicine, Planning	('71) \$ 120,000 ('73) \$ 360,000 ('78) -	Balances in 1973 appropriations available for revisions of Phase II plans. Recommendations to be submitted to Legislature by January 15, 1979.
3. Music Building, Planning Working Drawings	('73) \$ 100,000 ('78) \$ 410,000	Program and site selection process estimated to be completed by February, 1979. Working drawings estimated to be completed by May 1, 1980.
4. Law School Building	('69) \$ 80,000 ('74) \$ 400,000 ('75) \$12,300,000	Completed.
5. Library/Learning Resources Center	('74) \$ 30,000 ('76) \$ 4,897,489	Construction approximately 10% complete. Estimated date of project completion in November, 1979.
6. St. Paul Primary Electric, Phase IV	('76) \$ 521,950	Completed.
7. Home Economics, Remodeling	('76) \$ 1,435,500 ('78) \$ 170,000	Completed.
8. Remodeling & Rehabilitation for Handicapped, Phase II	('76) \$ 400,000 ('78) \$ 1,000,000	Surveys in compliance with state regulations. Completed. Update of survey for 504 Federal Regulations in process. Projects programmed and surveyed. Plans to be initiated with some underway.

TWIN CITIES CAMPUS (continued)

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
9. Remodeling and Rehabilitation	('76) \$ 500,000	Completed.
10. Greenhouse & Headhouse, St. Paul	('76) \$ 350,000	Completed.
11. East Bank Planning for Recycling Existing Facilities	('78) \$ 200,000	Preliminary planning in process.
12. Civil/Mineral Engineering Addition - Working Drawings	('78) \$ 680,000	Program completed. Schematic drawings to start December, 1978.
13. Studio Arts Annex, Phase II	('78) \$ 300,000	Construction documents completed. Bids anticipated in December 1978.
14. Remodeling of Folwell Hall	('78) \$ 1,000,000	Preliminary planning in process.
15. Remodeling of Nicholson Hall	('78) \$ 1,900,800	Programming 85% completed. Estimated receipt of bids, Fall, 1979.
16. Remodeling of Cooke Hall/Norris Gymnasium	('78) \$ 905,267	Estimated completion of program document January, 1979.
17. Upgrade Utility Services and Remodel Laboratories in Smith Hall	('78) \$ 2,400,000	Programming 20% completed. Room 410 portion out for bids January, 1979.
18. Theatre Arts Equipment - Rarig Center	('78) \$ 225,000	Equipment being ordered.
19. Pollution Control and Heating Plant Expansion	('78) \$ 3,673,000	University has completed purchase of Southeast Steam plant, has completed installation of Bag House for pollution control on existing Minneapolis campus heating plant and will receive bids for construction of Stage I of expansion of existing University Heating Plant. This construction is for Unitrain unloading of western coal.

TWIN CITIES CAMPUS (continued)

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
20. Primary Electric System	('78) \$ 556,810	Under construction.
21. Water Distribution System	('78) \$ 202,554	Completed.
22. Sewer Separation	('78) \$ 320,220	Plans and specifications to be completed January, 1979.
23. Media Equipment, Rarig Center	('78) \$ 770,700	Equipment being ordered.
24. Tree Removal and Replacement	('78) \$ 100,000	Completed.
25. OSHA Projects, University-wide	('78) \$ 750,000	*
26. Energy Retrofit, University-wide	('78) \$ 1,500,000	Contracts awarded to connect various buildings to the building systems automation system on the Minneapolis and Duluth campuses.
27. Energy Conservation, University-wide	('78) \$ 200,000	Surveys underway.
28. Vocational Education, Working Drawings	('78) \$ 295,537	Schematic design started.
29. Agronomy & Plant Genetics, Soil Sciences and Plant Pathology, Working Drawings	('78) \$ 574,103	Program to be completed December, 1978. Architect has been selected.
30. Maintenance and Central Storage Building	('78) \$ 540,000	Program to be completed December, 1978.
31. Expansion of Intramural Sports Facilities	('78) \$ 300,000	Completion date September, 1979.

* Work is progressing on all campuses. Present priority is enclosing stairwells in critical areas, i.e. buildings with laboratories and those with intensive usage.

TWIN CITIES CAMPUS (continued)

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
32. Roadway Project and Fencing	('78) \$ 700,000	Engineering design in progress for Fairview and Buford Extension.
33. Improvement of Water Distribution	('78) \$ 169,884	Completed.
34. Plot Land Irrigation System	('78) \$ 185,000	Estimated completion June, 1979.
35. Poultry Research and Teaching Facility	('78) \$ 8,500	Program completed in December, 1979. Consultant selected. Planning and site study to be submitted to the Legislature by February 15, 1979.

HEALTH SCIENCES

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
1. Construct Unit B/C	('71) \$ 1,100,000 ('73) \$14,000,000	Completed.
2. Basic Sciences Remodeling	('73) \$ 200,000 \$ 4,937,150	Construction 5% complete. Estimated completion July, 1979.
3. Planning - Remodeling for Pharmacy/ Nursing	('76) \$ 300,000	Completed.
4. Pharmacy and Nursing	('77) \$12,965,232	Contracts awarded October, 1978. Estimated completion October, 1980.
5. Conversion of Primary Electrical Services	('78) \$ 300,564	Plans and specifications in process to be bid in early 1979.
6. Fourth Floor Variety Club Heart Hospital, Ventilation Rehabilitation	('78) \$ 194,238	Preliminary plans in process.

DULUTH CAMPUS

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
1. School of Business and Economics, Preliminary Plans and Working Drawings	('73) \$ 100,000 ('78) \$ 50,000	Program completed. (Previously identi- fied as Social Science Building.) Schematic design started.
2. Planning Basic Medical Science Building	('73) \$ 234,000 ('76) \$ 1,422,400	Construction 95% completed. Estimated completion February, 1979.
3. Remodeling of Social Sciences, Home Economics, Humanities, and Alworth Hall	('78) \$ 218,292	Program completed. Priority rated projects under construction. Other projects in design stage.
4. Health Science Library Addition	('73) \$ 1,839,000	Completed.
5. Boiler Addition to Heating Plant	('73) \$ 550,000 ('78) \$ 643,223	Completed.
6. Campus Utilities, Water Distribution Improvements	('76) \$ 500,000	All work to be performed is completed except the electrical. Electrical is under construction and scheduled for completion in the summer of 1979.
7. Utility Improvements	('78) \$ 232,200	Plans and specifications to be completed in May, 1979.
8. Water Distribution System Improvements	('78) \$ 200,000	Plans and specifications to be completed in May, 1979.

MORRIS CAMPUS

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Acquire Land	('71) \$ 12,500	Land to be acquired in conjunction with the Minnesota Highway Department.
2. Development of Roadway	('76) \$ 155,000	Completed.
3. Remodel Laboratory Facilities in Science Building	('78) \$ 120,000	Program 90% completed.

TECHNICAL COLLEGE, CROOKSTON

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
1. Food Service Building-Working Drawings	('76) \$ 100,000 ('78) \$ 2,600,000	Contracts awarded November, 1978. Estimated project completion January, 1980.
2. Learning Resource Center Addition	('76) \$ 1,118,150	Contracts awarded September, 1978. Estimated project completion August, 1979.
3. Physical Education Building and Outdoor Recreation Areas - Working Drawings	('78) \$ 142,763	Schematic design stage in process.
4. Road and Campus Improvements	('78) \$ 300,000	Parking lot completed. Mall road in planning stage for final alignment. South road completed except for 200' to be completed next year.
5. Heating Plant Improvements	('78) \$ 270,000	Contract for construction awarded. Work to start early spring 1979.

TECHNICAL COLLEGE, WASECA

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Renovate School Facilities	('76) \$ 100,000	Completed.
2. Plant Services Addition & Renovation	('76) \$ 150,000	Estimated completion of project December, 1978.
3. Construct and Equip Classroom/ Laboratory Building and Addition to Special Purpose Laboratories	('78) \$ 2,568,000	Preliminary plans approved. Construc- tion drawings started.
4. Heating Plant Improvements	('78) \$ 45,360	Preliminary plans in process.
5. Construct and Equip Greenhouse	('78) \$ 55,163	Regents have approved schematic design.
6. Development of Outdoor Physical Education Facilities	('78) \$ 69,000	Regents have approved schematic design.

AGRICULTURAL EXPERIMENT STATION, ROSEMOUNT

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
Feed Mixing and Handling Facility	('78) \$ 409,000	Program completed. State designer selection board requested to select architect.

NORTHWEST EXPERIMENT STATION, CROOKSTON

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Completion of Storm Sewer System	('78) \$ 100,000	Estimated completion, November 1978.
2. Auditorium Remodeling	('78) \$ 35,000	Requesting Legislature to reappropriate funds in 1979 for plans and specification. Preparation for remodeling and addition.
3. Field Lab Building	('78) \$ 59,340	Bids received too high. In process of revising to get project within fund. Will rebid for spring construction 1979.

NORTH CENTRAL EXPERIMENT STATION, GRAND RAPIDS

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Greenhouse and Headhouse	('76) \$ 150,000	1976 appropriation cancelled.
2. Construct Silo with Unloader and Bunk Feeder	('78) \$ 27,000	Will bid for Spring 1979 construction.
3. Construct Chemical Storage Facility	('78) \$ 15,000	Will bid for Spring 1979 construction.
4. Construct and Equip Greenhouse	('78) \$ 150,000	Under construction; anticipated completion early 1979.

WEST CENTRAL EXPERIMENT STATION, MORRIS

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Construct Machinery Storage Building	('78) \$ 47,000	Estimated project completion, May 1979.
2. Construct Chemical Storage Facility	('78) \$ 15,000	Will bid for spring 1979 construction.

SOUTHERN EXPERIMENT STATION, WASECA

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Office-Laboratory & Meeting Facility	('76) \$ 300,000	Completed.
2. Construct Shop and Farm Operations Center	('78) \$ 150,000	Program completed. Schematics to be presented to Regents in January 1979. Will bid for spring 1979 construction.
3. Construct Chemical Storage Facility	('78) \$ 15,000	Schematics completed. Will bid for spring 1979 construction.

SOUTHWEST EXPERIMENT STATION, LAMBERTON

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
Resurface Roadway and Parking Lot	('78) \$ 16,782	Completed.

FORESTRY CENTER, CLOQUET

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Remodel Dining and Kitchen Facilities	('78) \$ 50,000	Program completed. To be bid in early 1979.
2. Cabin Addition and Remodeling	('78) \$ 15,000	Plans & specifications to be completed in February 1979.
3. Polishing Pond for Sewage Treatment	('78) \$ 30,240	Will bid for Spring 1979 construction.
4. Sewer Lines	('78) \$ 10,359	Will bid for Spring 1979 construction.

FORESTRY & BIOLOGICAL STATION, ITASCA

PROJECT	STATE APPROPRIATION(S)	STATUS AS OF DECEMBER 1, 1978
1. Rehabilitate Stations Facilities (Dining Hall/Kitchen Rehabilitation)	('71) \$ 47,000 ('73) \$ 81,040 ('78) \$ 38,848	Completed. Completed. Bids due December 5, 1978.
2. Construct and Equip Resident Manager's House and Office	('78) \$ 40,000	In schematic stage. Will be bid in early 1979.

CEDAR CREEK NATURAL HISTORY AREA, BETHEL

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
Remodeling of Bio-Electronics Laboratory	('78) \$ 42,470	In program development stage. To be bid in Spring 1979.

HORTICULTURAL RESEARCH CENTER, EXCELSIOR

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978.</u>
1. Rebuild Sewage System	('71) \$ 15,000	To be used in conjunction with the 1973 Appropriation for new main sewer line. Additional funds being requested from 1980 Legislature.
2. Remodel Superintendent's House	('73) \$ 10,000	With the concurrence of the Legislature, these funds were used to improve the Greenhouse. Project completed.
3. Connect Sewer to New Main Sewer Line	('73) \$ 20,000	Awaiting decision of the City of Victoria on connection to Metropolitan Sewer Board Project. Additional funds being requested from 1979 Legislature.
4. Chain Link Fence	('78) \$ 65,000	Under construction; anticipated completion in Spring 1979.
5. Construct Pesticides Storage Facility	('78) \$ 22,000	In planning stage. Will be bid for Spring 1979 construction.

LANDSCAPE ARBORETUM, EXCELSIOR

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
1. Machine Shed Expansion	('78) \$ 37,303	Will bid for Spring 1979 construction.
2. Sewer Connection to Chanhassen's System	('78) \$ 115,308	Plans & specifications to be completed in January 1979.

HORMEL INSTITUTE, AUSTIN

<u>PROJECT</u>	<u>STATE APPROPRIATION(S)</u>	<u>STATUS AS OF DECEMBER 1, 1978</u>
Construct and Equip Small Animal Holding Facility	('78) \$ 541,000	Schematic stage in review. Projected completion date is December 15, 1979.

EDUCATION

DEPARTMENT OF EDUCATION

Minnesota School for the Deaf
Minnesota Braille and Sight-Saving School
Faribault, Minnesota

Institutional Detail

		<u>1972</u>	<u>1974</u>	<u>1976</u>	<u>1978</u>	<u>1980</u>	<u>PROJECTED</u> <u>1985</u>
Population:	Deaf	264	241	201	189	170	115
	Braille	77	68	59	45	42	55

1. New facility for blind and sensory impaired-multiply handicapped students at the State Residential Schools: \$6,360,000
A new facility for the blind and sensory impaired multiply handicapped is requested as the result of two year's of study regarding population characteristics, program needs, and facilities at the Minnesota Residential Schools and the completion of first stage architectural planning including the development of schematics and cost estimates. It is the recommendation of the State Board of Education that Dow Hall, East Dormitory, West Dormitory and Vocational Building as well as the laundry building, maintenance building, and two condemned frame houses on the Braille Campus be closed and declared surplus and that one barrier-free new multipurpose facility be constructed to house all the functions now delivered in those buildings. This request is based on what has been determined to be the most appropriate and cost efficient plan to deliver services to the students served by the Braille School.

The Department has been advised by Ellerbe, Inc., and the State Architects Office that extensive remodeling of existing buildings at the Braille School would be necessary for compliance with fire and life safety codes and accessibility requirement of section 504. Even if such code compliance were to be achieved, the resultant space would be poorly suited to the programmatic needs of the severely multiply handicapped student served by the State School. Based on recommendations by the State Architects Office, the 1977 Legislature mandated the Department to pursue the planning of new space to replace Dow Hall which has been determined to be unreceptive to further rehabilitation and unacceptable to house multiply-handicapped sensory impaired students.

The site recommendation has been made based on educational and management decisions to consolidate between the two schools all services that can be appropriately merged. The physical consolidation of the two programs promotes improvement of programming and eliminates unnecessary duplication of certain services.

1. (Continued)

DESCRIPTION

This request is for 76,300 square foot multipurpose facility to house the delivery of residential and education programming to sensory impaired multiply handicapped students enrolled at the State Residential Schools. This building plan includes space for the following functions: administration, health and diagnostic services, residential, educational, adaptive educational offerings, extra-curricular and leisure activities, therapies and dining.

ALTERNATIVE CONSIDERED

At the request of the Department of Education, Ellerbe, Inc., also carried out a study of the feasibility and cost of remodeling current facilities at the State School for the Deaf to house all program functions incorporated in the space design for the new facility. After careful review and deliberation by the Department and the State Board of Education, it was determined that the remodeling plan was not an acceptable alternative because of the fragmenting effect it would have on total delivery of services and because of the high cost of retro fitting the old, existing structures.

ESTIMATED COSTS PREPARED BY:

ELLERBE, INC., ARCHITECTS

Land acquisition: site is owned by State of Minnesota	-0-
Construction: escalated to peak of construction 1981	\$5,578,000
Fees, permits, studies at 8%	447,000
Site work at 6%	<u>335,000</u>
TOTAL PROJECT COST	\$6,360,000

SPACE RELEASED

As a result of this request the following buildings with the indicated square footage would be declared surplus:

Dow Hall	52,000 sq. ft
Vocational Building	6,720 " "
West Dormitory	12,200 " "
East Dormitory	10,200 " "
Maintenance Building	12,300 " "
Laundry	1,600 " "
Superintendent's House	<u>2,500 " "</u>
TOTAL	97,520 sq. ft.

CHANGE IN ANNUAL OPERATING COST

The annual maintenance cost on the above listed buildings is estimated to be \$136,000 per year. Maintenance of the new facility is estimated at \$65,000. Therefore, a decrease in operating cost of approximately \$71,000 annually is projected.

2. Two Fire Hydrants (Deaf): the installation of two additional fire hydrants is requested to provide adequate fire protection to the total School for the Deaf Campus. The current need for increased fire hydrant coverage will be intensified with the construction of a new facility on the northeast corner of that campus. The state fire marshall has advised us that this coverage will be required. \$16,000
3. Roof Repair (Deaf): the state architects have surveyed the roofs on the campus and have determined that these roofs need repairing during the 80-81 biennium.
 - a) Frechette Hall (Dormitory) 67,626
The roof survey shows the 12 flat roofs on the dormitory are deteriorating and need maintenance at this time, which will prevent acceleration of the roofs' deterioration. Maintenance needed is that all suspected points of moisture entry such as: tears, splits, flashing imperfections at roof edges and roof projections should be restored by localized repair and reinforcement, and roof tarred again.
 - b) Quinn Hall (Elementary School Building) 20,000
The survey shows additional drains are needed and roof repairs to prevent the water from going under the flashing and dripping inside the building. At present, without the needed drains water is standing on the roof and does not drain off.
 - c) Service Building (Kitchen, Dining Room, Food Storage) 34,000
The flat roof on the Service Building is a temporary roof that we have no record of any major repairs on since 1923. Our maintenance department has been able to work on the leaking areas but it now needs a new roof surface, new flashing, and tuck pointing of the stone around the sides of the roof. It is time to replace this 56 year old temporary roof to maintain the interior of the building.
 - d) Tate Hall South Entrance Roof (Dormitory, Offices, and Health Clinic) 6,200
The roof on the south end of Tate Hall is also the fire exit for the girls on the 2nd floor of the dormitory. They have to walk across the roof to the fire escape. The wooden supports to the roof are deteriorated and need to be replaced and then the flat roof tarred again.
4. Frechette Hall Drainage Tile (Dormitory) 10,000
This building was completed 10 years ago and we are getting a lot of water in the basement areas. The water does not drain away from the south and east side of the building and is seeping through the walls into the basement area. To maintain the building approximately 185 feet of drainage tile along the outside of the building needs to be installed to take the water away from the building.

5. Gymnasium Floors (Deaf Gym and Braille Gym) \$10,000
Both gyms need the floors repaired and refinished. Also, before this is done the supports under the floors which have deteriorated from moisture need to be replaced, areas of the floor replaced in the bad areas, and then the whole floors refinished.

TOTAL REQUEST: \$6,523,826

DEPARTMENT OF EDUCATION
Minnesota School for the Deaf
Minnesota Braille and Sight Saving School

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
G-5 School for Deaf	Phase 2 - Fire and Life Safety	\$100,000 (1976)		Completed	12/78
	Home Economics Department Moved	\$ 22,250 (1976)		Completed	9/78
	Mott Roof	\$ 21,200 (1976)	None	(All roofs were surveyed.)	
	Service Building Roof	\$ 18,000 (1976)	None		
	Frechette Outside Playground	\$ 15,000 (1976)		Completed	9/77
	Power House Capacitors	\$ 7,000 (1976)		Changed	
	Noyes Hall Architectural Study	\$ 15,000 (1976)		Completed	12/77
	Tennis Courts	\$ 12,300 (1976)		Completed	9/77
	Dow Hall - Deaf-Blind Remodeling at School for Deaf	\$123,700 (1978)		Completed	1/79
	Ventilation - Fire Detection Pollard Hall	\$ 41,000 (1978)	Bid date March 6, '79	None	12/79
Braille School	Life Safety - Fire Detection	\$105,000 (1978)	Bid date March 6, '79	None	12/79
	Dormitory Bathrooms Remodeled	\$ 30,000 (1976)		Completed	9/78
	Dormitory Rewiring and New Lights	\$ 5,000 (1976)		Completed	9/78
	Dormitory Interior Painting	\$ 1,000 (1976)		Completed	9/78
	Roof Activity Building	\$ 30,000 (1976)		Completed	9/77
	Boys Restroom Dow Hall	\$ 4,000 (1976)		No Activity	
	Interior Painting Dow Hall	\$ 5,000 (1976)		Completed	9/78

DEPARTMENT OF CORRECTIONS
HIGH SECURITY FACILITY

INSTITUTION DETAIL

REQUEST: Construction Cost Increases \$10,200,000

JUSTIFICATION: Since funds were originally appropriated to the Department of Administration for construction of the High Security Facility at Oak Park Heights, project costs have increased due to inflation as well as the addition of square footage to the original architectural program so that operational needs, energy conservation and code requirements could be adequately met.

DESCRIPTION: Funds required to complete the construction of the High Security Facility.

ALTERNATIVES CONSIDERED: Cutting of the project scope, however, this would not provide a viable facility.

ESTIMATED COSTS PREPARED BY: McGough Construction

Inflation and time delay	\$ 4,100,000
Additional square footage	4,658,720
Additional energy conservation features	700,000
Life safety features	500,000
Water and sewer connection fees	241,280
TOTAL project costs (additional)	\$10,200,000
TOTAL for this request only	\$10,200,000

SPACE RELEASED: Not applicable

CHANGE IN ANNUAL OPERATING COST: Not applicable

DEPARTMENT OF CORRECTIONS

STATE TRAINING SCHOOL

INSTITUTION DETAIL

REQUEST: Resurface Roads and Parking Lots - RRI \$ 28,000

JUSTIFICATION: This project has extended over a number of years. Present surfaces are either marked with "pot-holes" and/or dirt surface.

DESCRIPTION: Primary concern is directed to the road and parking area in front and to the east side of the Administration Building.

ALTERNATIVES CONSIDERED: Patching (both with gravel and/or hot asphalt pack) is short-term at best. Parking area is dirt surface.

ESTIMATED COSTS PREPARED BY: Neal Larson/Tom Kernan

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 28,000
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ 28,000
Other	\$ N/A
Total project cost	\$ 28,000
Total for this request only	\$ 28,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA CORRECTIONAL FACILITY - LINO LAKES

INSTITUTION DETAIL

REQUEST: Additional Security Closed Circuit TV Cameras -
Security \$ 22,400

JUSTIFICATION: We presently have five areas which require improved surveillance. These areas represent weaknesses in our security and/or possible danger areas to staff and inmates. Inmates often occupy or pass through these areas while not under direct supervision. The presence of a camera will deter illegal activities or report them.

We propose to mount fixed CCTV cameras to improve observation in the following areas: main truck gate, area behind the warehouse dock, gymnasium, behind the "B" Building, and in east-west corridor in Operations Building.

DESCRIPTION: This appropriation will allow us to contract with a firm that specializes in installation of this type of equipment.

ALTERNATIVES CONSIDERED: This is an alternative to increased staffing.

ESTIMATED COSTS PREPARED BY: State Telecommunications Division and Department of Transportation

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 22,400
Architects fees	\$ N/A
Equipment	\$ 11,200
Site work	\$ N/A
Other - Installation	\$ 11,200
Total project cost	\$ 22,400
Total for this request only	\$ 22,400
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Slight increase in cost of electrical power and cost of parts and repair.

DEPARTMENT OF CORRECTIONS

MINNESOTA CORRECTIONAL INSTITUTION FOR WOMEN

INSTITUTION DETAIL

REQUEST: Combination Windows on All Buildings - RRI \$ 63,101

JUSTIFICATION: Storm and screen windows are rapidly deteriorating. Presently there are 100 storm windows that have to be replaced at approximately \$100 to \$150 apiece. All windows have to be made manually as they are so old fashioned. We can anticipate a continuation of the deterioration. As these windows deteriorate, a great deal of heat is lost thus increasing the energy costs.

Manpower to change 313 windows twice a year could be better utilized in maintenance of the buildings.

DESCRIPTION: Replace storms and screens for 313 windows with combination windows.

ALTERNATIVES CONSIDERED: Replacing 626 storm and screen windows will be double the cost of 313 combination windows. The present windows must be replaced, as they deteriorate to keep the buildings livable.

ESTIMATED COSTS PREPARED BY: Lyle Nelson

Land acquisition	\$ N/A
Construction	\$ 63,101
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 63,101
Total for this request only	\$ 63,101
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Fuel savings of \$5,000 annually.

DEPARTMENT OF CORRECTIONS

MINNESOTA HOME SCHOOL

INSTITUTION DETAIL

REQUEST: Reshingle and Repair Evers Cottage Roof - RRI \$ 11,200

JUSTIFICATION: Evers Cottage asphalt roof has deteriorated to the point where it will start to leak at any time, and should be replaced.

DESCRIPTION: This project includes replacing asphalt shingles, rusted roof valleys, metal roof edges, and repairing open cracks as needed. Various cottage roofs were reshingled in the early 1960's, and are from 15 to 20 years old.

ALTERNATIVES CONSIDERED: Patching of roof is not feasible due to the age of existing shingles.

ESTIMATED COSTS PREPARED BY: Loren Williams, Business Manager

Land acquisition	\$ N/A
Construction	\$ 11,200
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A

Total project cost	\$ 11,200
Total for this request only	\$ 11,200
Cost/gross square footage (7,000 sq. ft.)	\$ 1.60
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA STATE PRISON

INSTITUTION DETAIL

REQUEST: Essential Renovations - RRI \$ 147,840

JUSTIFICATION: All of the recommended renovations are considered essential to maintain the institution. They are all beyond the capability of our Building Maintenance Department under Repairs and Replacements.

DESCRIPTION: Attached

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Plant Operations

Land acquisition	\$ N/A
Construction	\$ 147,840
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A

Total project cost	\$ 147,840
Total for this request only	\$ 147,840
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS
MINNESOTA STATE PRISON
CAPITAL IMPROVEMENT REQUEST
ESSENTIAL RENOVATION DETAIL

Roof Renovations:

- CHC - Tar and gravel - Work required where old and new roofs join.
- CHD - Tar and gravel - Very bad condition.
- Inmate Dining Room - Spanish tile - Replace cracked tile (we have tile in stock).
- Main Kitchen - Rolled roofing in 1971 - needs patching.
- Auditorium - Spanish tile - Replace cracked tile.
- Coal Gondola Roof - New construction between the two outside warehouses - Required to eliminate water and ice in our coal, which rusts the equipment and the coal bunkers.
- Creamery - Asphalt shingles - Patch between creamery and main dairy barn.
- West Outside Warehouse (U) - Tar and gravel - Patch.

Extend Loading Dock:

- Extend loading dock at commissary and install spring loading bumper.

Dairy barn renovations to include heating, floor, and general repair.

Sidewalk and steps to Health Center:

- To comply to building codes.

Major plumbing to four industry buildings.

Paint skylights and minor repairs in inmate dining room.

General repair to eight residences which includes windows, doors, plumbing, electrical, and some water damages.

Tower renovations which include doors, windows, and catwalk repairs.

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: Replace Power Cable - Wall Towers and Roof Repairs \$129,920

JUSTIFICATION: The high voltage cable feeding power to wall towers was installed in 1969 in conjunction with wall lights. The buried cable has been a consistent source of problems in that cable shorts out leaving guard towers without lights and heat. Last December the cable again failed and we were advised by the State Architect's Office not to repair the cable but provide temporary feeder service to the towers via the wall light circuit. This necessitates the wall lights being turned on all hours that the wall towers are manned. Because of the energy concerns, we had requested that contingency funding be employed to correct the situation. There has been considerable public reaction to having the wall lights on in mid-day. However, we were advised to request the project from the '79 session.

A consulting firm has advised us that to repair the existing cable would not be economically feasible. Incidentally, the last time the cable was repaired (Oct. '78) it cost us \$860 and the repair lasted less than eight hours.

DESCRIPTION: Replace approximately 4,509 feet of 2,400 volt direct buried cable, providing power to wall towers, interconnect with transformers. Funding to provide for necessary engineering service and bid specifications.

ALTERNATIVES CONSIDERED:

1. Continue under temporary service via wall lights circuits at a cost of \$150 per month - plus criticism by citizens.
2. Project could be divided into two phases - feeding each half of the wall towers separately, at a cost of \$20-\$25,000.

ESTIMATED COSTS PREPARED BY: State Architect

Land acquisition	\$ N/A
Construction	\$ 129,920
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 129,920
Total for this request only	\$ 129,920
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: See above (\$150.00/month estimate additional energy cost until project is completed).

DEPARTMENT OF CORRECTIONS

STATE TRAINING SCHOOL

INSTITUTION DETAIL

REQUEST: Air-Condition Dayton (Security) Cottage - RRI \$ 56,000

JUSTIFICATION: Of particular concern is the locked room temperature (100⁰+) and humidity in the summer. Presently, air exchange is minimal at best.

DESCRIPTION: Cottage used to house both short and long-term lockups. Locked-room status is required for most short-term stay youths.

ALTERNATIVES CONSIDERED: Continue practice of placing fans at end doors, and keeping non-locked door status rooms open.

ESTIMATED COSTS PREPARED BY: Neal Larson/Tom Kernan

Land acquisition	\$ N/A
Construction	\$ 56,000
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A

Total project cost	\$ 56,000
Total for this request only	\$ 56,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Increased utility costs for operation.

DEPARTMENT OF CORRECTIONS

MINNESOTA CORRECTIONAL FACILITY - LINO LAKES

INSTITUTION DETAIL

REQUEST: Renovate Heating Boilers and Correct Boiler Room
Drainage Problem - RRI \$ 38,080.

JUSTIFICATION: The three high pressure boilers in our heating plant have been operating since the institution was constructed in 1961. These boilers are now in critical need of retubing. This involves the welding of second pass boiler tubes to correct the deterioration and failure that has occurred within the boiler structure. If this renovation is not made, the boilers will soon become unreliable. It has been our experience that all three boilers are required to maintain adequate steam pressure for the entire institution. It is, therefore, essential that these boilers be put in proper shape.

Since its construction, we have had a serious problem with the drainage of water from the floor of the boiler room. Whenever boilers are drained or there is water leakage, which occurs on frequent occasions, large pools remain on the floor until they are mopped up. Funding was approved for this project in 1975, however, cost overruns on the conversion of this institution to medium security required the use of these funds.

DESCRIPTION: This request will allow us to contract with an outside firm that specializes in this kind of renovation and construction.

ALTERNATIVES CONSIDERED: Replacement of the boilers was considered but the cost is much greater and the State Architect's Office considers this to be a more viable alternative. Solutions to the boiler room floor problem have been sought for years, but this appears to be our only option.

ESTIMATED COSTS PREPARED BY: Richard Davis, Plant Operations Supervisor

Land acquisition	\$ N/A
Construction	\$ 22,400
Non-building costs	\$ 15,680
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other - Improvements to floor and boiler parts	\$ 15,680
Total project cost	\$ 38,080
Total for this request only	\$ 38,080
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: It is expected that there will be some reduction in heating cost due to greater efficiency of the boilers. It is not possible to estimate this amount.

DEPARTMENT OF CORRECTIONS

MINNESOTA CORRECTIONAL INSTITUTION FOR WOMEN

INSTITUTION DETAIL

REQUEST: Tuckpointing Anthony and Sanford Cottages
Step Repairs - Anthony and Higbee Cottages - RRI \$ 28,000

JUSTIFICATION: No outside work has been done on these cottages for over 20 years. The mortar between the brickwork of the cottages and the stone of the steps are crumbling causing extensive damage. Continuation of such deterioration will result in major structural damage.

DESCRIPTION: Tuckpointing and step repairs.

ALTERNATIVES CONSIDERED: If work is not done now, the repairs will be much more expensive as areas continue to deteriorate.

ESTIMATED COSTS PREPARED BY: Lyle Nelson

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 28,000
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other - Tuckpointing	\$ 28,000

Total project cost	\$ 28,000
Total for this request only	\$ 28,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA HOME SCHOOL

INSTITUTION DETAIL

REQUEST: Replace Three (3) Boilers - RRI \$ 26,880

JUSTIFICATION: Replace boilers that are approximately 25 years old, to conserve energy, and provide adequate heat.

DESCRIPTION: Replace two (2) low pressure boilers in Sinclair Lewis Hall building and one (1) boiler in Sullivan Cottage. We replaced two (2) boilers (1 Richard, 1 Stowe) in fall of 1977, and will be replacing three boilers (2 Mary Lyon School, 1 Alcott Cottage) this fall/winter season 1978-79.

ALTERNATIVES CONSIDERED: Considered repair; however, these boilers have been determined to be beyond economical repair and should be replaced by new boilers for maximum efficiency and long life.

ESTIMATED COSTS PREPARED BY: Loren A. Williams, Business Manager

Land acquisition	\$ N/A
Construction	\$ 26,880
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 26,880
Total for this request only	\$ 26,880
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: There will be some fuel savings due to the operation of new efficient boilers; however, because we have only one meter for all campus buildings we cannot determine the actual savings at this time.

DEPARTMENT OF CORRECTIONS

THISTLEDEW CAMP

INSTITUTION DETAIL

REQUEST: Insulation and Reinsulation of Buildings -
Energy Conservation

\$ 60,547

JUSTIFICATION: Poor insulation, construction material and climate conditions have put the energy costs for the institution in a continuously high range. Precious fuels must be conserved to meet the needs of the future. The buildings at Thistledeew Camp are so poorly insulated that water drips off of them in the middle of winter from melting snow. The buildings must be insulated/reinsulated to rectify this situation.

DESCRIPTION: This request is for the reinsulation of the various buildings of Thistledeew Camp including adding rigid styrofoam insulation on the exposed exterior block walls, covering this with wood paneling, and putting a false ceiling and insulation in the gym.

ALTERNATIVES CONSIDERED: Cutting down room temperatures further than 68 degrees, thereby causing potential health hazards to the inmate population of Thistledeew Camp; continue consuming at the present rate, thus unnecessarily wasting fuel.

ESTIMATED COSTS PREPARED BY: State of Minnesota Administrative Engineer

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 60,547
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other - Labor and material	\$ 60,547
Total project cost	\$ 60,547
Total for this request only	\$ 60,547
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Substantially decrease energy costs to the institution. It is estimated this project will pay for itself in 5 years.

DEPARTMENT OF CORRECTIONS

MINNESOTA STATE PRISON

INSTITUTION DETAIL

REQUEST: Laundry Renovation - RRI \$ 91,280

JUSTIFICATION: A complete study of the laundry has just been completed; and looking at the present and future needs (serving two institutions), it has been recommended that we replace most of the present equipment (there are no replacement parts due to the company being out of business) with surplus equipment acquired from Hastings State Hospital and a minimum amount of new equipment.

DESCRIPTION: This request is to provide up to date laundry service for the new High Security Facility and the Minnesota State Prison.

ALTERNATIVES CONSIDERED: 1) The Prison could send the workload to a commercial laundry; 2) build a laundry at the new High Security Facility.

ESTIMATED COSTS PREPARED BY: Foussard Associates, Inc.

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 91,280
Architects fees	\$ N/A
Equipment	\$ 91,280
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 91,280
Total for this request only	\$ 91,280
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: Using present space.

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: New Windows in Cell House B - RRI

\$ 61,600

JUSTIFICATION: Cell House B is the first and oldest cell house at the Reformatory. The windows are original (to our knowledge) to the structure and consist of single pane, metal frame construction, with operating sections at two levels. In recent years it has been necessary to double the radiation in this house to maintain a reasonable winter temperature. On very cold days the heating system cannot maintain 68 degrees at the floor level, and although there are 2,704 square feet of window openings in B-House, we have no way of measuring air infiltration. There is evidence such as the formation of frost and drafts of gross leakage.

DESCRIPTION: The project would consist of removing all metal window frames and installing new aluminum frames with double glazing. Sufficient operating sections would be designed into the project to provide summer ventilation.

Work would be from the inside of the structure so as to not disturb the security bars.

ALTERNATIVES CONSIDERED:

1. Installation of storm windows outside of security bars. This would be relatively expensive because of the rough cut granite opening.
2. Repair of existing metal frames. This would require realignment of all operators and weather sealing of all omitted frames. The end result would still not be as good as a double glazed window.

ESTIMATED COSTS PREPARED BY: St. Cloud Window Co.

Land acquisition	\$ N/A
Construction	\$ 61,600
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 61,600
Total for this request only	\$ 61,600
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: New window installation would reduce U-factor (loss of BTU's through glass) by one-half. Air infiltration would be grossly reduced, no figures available.

DEPARTMENT OF CORRECTIONS

STATE TRAINING SCHOOL

INSTITUTION DETAIL

REQUEST: Roof, Gutter and Downspout Repairs - RRI \$ 73,360

JUSTIFICATION: Eight buildings need one or more of the repairs listed. All are combined into an overall request.

DESCRIPTION: Welding Shop - new roof; Vocational Bulding - gutter and downspout replacement; Stanford and Harvard Cottages - "Tectum" repair on eaves; Dayton, Yale, Princeton, Stanford and Harvard Cottages - roof redesign due to gravel roof cracks at expansion junctures; Chapel - eaves and gutters are badly deteriorated and require repairs and replacements.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Neal Larson/Tom Kernan

Land acquisition	\$ N/A
Construction	\$ 73,360
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 73,360
Total for this request only	\$ 73,360
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS
MINNESOTA CORRECTIONAL FACILITY - LINO LAKES

INSTITUTION DETAIL

REQUEST: Remodel Cottages to Increase Capacity and Improve
Living Conditions - RRI \$ 28,896

JUSTIFICATION: This project is to provide heat and ventilation to basement areas so that they can be used for caseworker offices and other program, i.e., educational and leisure activities. The relocation of caseworker offices will allow an increase of up to three (3) beds in each cottage.

The three (3) J cottages were built with three-man dormitories at each end of the bedroom wings. This is unhealthy and a constant source of irritation. We have constant complaints about difficulties inmates experience living in close proximity with each other. This project would divide these dorms in such a way that two and possibly three single rooms would be available.

DESCRIPTION: Appropriation would allow us to contract with a firm that specializes in this type of construction.

ALTERNATIVES CONSIDERED: Considered housing caseworkers and supervisors in other buildings but this reduces their effectiveness.

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ 28,896
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 28,896
Total for this request only	\$ 28,896
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: Three offices per cottage which may be converted to bedrooms.

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

WILLOW RIVER CAMP

INSTITUTION DETAIL

REQUEST: Replace Kitchen/Dining Hall Roof - RRI \$ 12,432

JUSTIFICATION: The flat roof of the kitchen/dining hall is 20 years old. Leaks have developed around the edges.

DESCRIPTION: The request is to replace the kitchen/dining hall roof.

ALTERNATIVES CONSIDERED: The roof is being temporarily repaired by a coating around the edges.

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ 11,200
Non-building costs	\$ 1,232
Architects fees	\$ 1,008
Equipment	\$ N/A
Site work	\$ N/A
Other (Tests)	\$ 224
Total project cost	\$ 12,432
Total for this request only	\$ 12,432
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Savings due to improved roof insulation is estimated at \$1,600 annually.

DEPARTMENT OF CORRECTIONS

MINNESOTA HOME SCHOOL

INSTITUTION DETAIL

REQUEST: Continue Remodeling Mary Lyon School - RRI \$ 78,736

JUSTIFICATION: We are requesting funds to continue remodeling our main school building to accomplish the following: save energy, reduce noise, facilitate cleaning, provide health and comfort for clients and staff, and extend the useful life of this building.

DESCRIPTION: Detail of remodeling projects, as follows:

- a. Resurface the flat roof of this building.
- b. Install ceiling tile and carpet in school classrooms, teachers' workroom, and offices.
- c. Install zone heating system to provide 2 pipe return line steam system with 20 thermostats.

ALTERNATIVES CONSIDERED: This building is very functional program wise, meets handicapped requirements and will serve institution's needs for many years to come. A new school building was considered but we believe the repair of existing building to be a more prudent decision at this time.

ESTIMATED COSTS PREPARED BY: Loren Williams, Business Manager

Land acquisition	\$ N/A
Construction	\$ 78,736
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 78,736
Total for this request only	\$ 78,736
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: There will be some fuel savings due to the installation of zone heating system, carpet on classroom floors. However, we cannot determine the exact savings at this time.

DEPARTMENT OF CORRECTIONS

MINNESOTA STATE PRISON

INSTITUTION DETAIL

REQUEST: Power Plant - RRI \$ 1,322,227

JUSTIFICATION: The power plant is the only source of heat, hot water, and power for the institution. It was built in 1914, and most of the items requested are needed to continue this essential operation.

DESCRIPTION: Attached. (As part of the construction of the new High Security Facility and the renovation of the State Prison, the power plant will be evaluated further to assure that the planned improvements fulfill the requirements of the remodeled prison. Currently, the prison is in the initial stages of using wood chips rather than coal. The success of this project will affect the exact improvements, especially pollution related, required in the next several years, as will the future determinations of construction and renovation needs.)

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Plant Operations

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 1,322,227
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other - power plant improvements	\$ 1,322,227
Total project cost	\$ 1,322,227
Total for this request only	\$ 1,322,227
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS
MINNESOTA STATE PRISON
POWER PLANT REQUEST

1. Install new fan wheel in induced draft fan for boilers #1 and #2. Due to fly ash erosion, this wheel must be replaced.
2. Replace steam turbines on two force draft fans and three induced draft fans. The turbines need replacement due to age and frequent use. Parts are difficult to obtain and are costly.
3. Completely remove old and replace with new membrane, pitch, and gravel on P.H. roof. The roof is leaking above engine room and soft spots and cracks are developing above boiler room. Roof must be repaired before extensive damage is done.
4. Install sealed conduit and fixtures in dusty areas. Explosion or dust proof lighting is required in any area where a dust condition exists. The bunker room, ash conveyor area, and basement conveyor room lighting must be changed to meet these requirements.
5. Coal hopper: This hopper must be replaced. Chunks of concrete fall off the underside of this hopper every time the railroad car goes over it.

Coal slide and crusher: This equipment is antiquated and must be replaced.

Repair concrete walls and ceilings in coal conveying area: The ceiling is falling down where men have to work, making this area unsafe, and must be repaired.
6. Complete overhaul on #2 vacuum pump. This pump has not been overhauled in thirty years.
7. Install new pipe insulation on hot and cold water piping and steam lines. Our energy consumption due to exposed piping is considerable and unnecessary. These lines must be covered and marked with appropriate signs.
8. Purchase and install weigh scales for boilers #3 and #4. At the present time, there is no way of measuring our efficiency of the boilers in service because there is no way of weighing the fuel being used by that boiler.
9. Replace main steam line and valves. The main steam line and valves due to age and new boiler codes cannot be repaired but must be replaced.
10. Repair ceiling in engine room. Due to roof leakage, the ceiling plaster is crumbling and needs repair.
11. Install economizers on three boiler stacks to cut down on the exit temperature of the stack gasses and to improve economy of our boilers.
12. Install pollution control devices to meet pollution requirements for coal-burning operations. This item is recommended by the State Architect's Office and is needed to meet a federal E.P.A. directive and fulfill the commitment made to the federal E.P.A. in a previous letter of intent.

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: New Windows in Industries Building - RRI

\$ 73,920

JUSTIFICATION: The existing double hung, wooden windows are original to the building, constructed in 1905. The wooden frames have deteriorated beyond repair in many instances, and are a constant maintenance problem. The most significant heat loss is through air infiltration. The building is four stories high and a portion of ground floor has been re-windowed. A significant difference has been experienced because of this installation. Areas of the ground floor which were unusable because of cold prior to the project are now heatable and usable for furniture production.

DESCRIPTION: Funding for this project will provide labor and material to replace double hung windows on three floors of the industries building (45 openings each floor). Total opening area of approximately 3,956 square feet. New installation to be aluminum frame with double glazing. Old wood frames and sills are to be removed and/or covered. Engineering and design would be provided by the State Architect's Office.

ALTERNATIVES CONSIDERED: Considering the condition of the existing windows, repair is not economically possible. Replacement with single pane windows would not provide adequate energy savings.

ESTIMATED COSTS PREPARED BY: St. Cloud Window Company

Land acquisition	\$ N/A
Construction	\$ 73,920
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 73,920
Total for this request only	\$ 73,920
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Significant reduction in heating cost because of double glazing and gross reduction in air infiltration. No figures available.

DEPARTMENT OF CORRECTIONS

STATE TRAINING SCHOOL

INSTITUTION DETAIL

REQUEST: Upgrade Electrical Capacitors - Energy Conservation \$ 10,080

JUSTIFICATION: Electrical rates have increased by 16% this past year. Billings reflect penalties because of low efficiency of current capacitors. New, upgraded capacitors will result in an estimated \$2,200 per year savings from reduced penalties.

DESCRIPTION: A unit with no moving parts that increases the efficiency of electrical motors and can be installed either on motor - or on load line - expected life 10-20 years.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Neal Larson/Tom Kernan

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 10,080
Architects fees	\$ N/A
Equipment	\$ 10,080
Site work	\$ N/A
Other	\$ N/A

Total project cost	\$ 10,080
Total for this request only	\$ 10,080
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Estimated reduction of \$2,200 per year in utility cost - 4½ year pay back period.

DEPARTMENT OF CORRECTIONS

MINNESOTA CORRECTIONAL FACILITY - LINO LAKES

INSTITUTION DETAIL

REQUEST: Fire control measures for "B" Building
and Main Kitchen - Health and Safety \$ 71,680

JUSTIFICATION: The State Fire Marshal has recommended that a sprinkler system be installed over the grills and ovens in the main kitchen. This is necessary to prevent and control grease fires.

DESCRIPTION: Approximately one half of the "B" Industry Building will be equipped with a sprinkler system for fire control as authorized by the current capital improvement budget. The balance of the building, which includes printing, plastics, upholstery and hallways, also constitutes a serious problem in terms of fire control and it is requested that the sprinkler system be extended to protect the entire building.

ALTERNATIVES CONSIDERED: Hose stations with pumps were considered inadequate.

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ 71,680
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 71,680
Total for this request only	\$ 71,680
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ 2.12/sq. ft.

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA CORRECTIONAL INSTITUTION FOR WOMEN

INSTITUTION DETAIL

REQUEST: Remodel Bathroom - Shaw Cottage - RRI \$ 16,800

JUSTIFICATION: The food service area in Shaw is the only area in the institution that can accommodate more than 10 people for meetings, etc. The only available bathroom has child sized toilets (the building formerly housed retarded children) and no partitions. This is an embarrassing and degrading situation for outside visitors. This room should also include a partition and toilet for the handicapped. Room is virtually unusable in the present state.

DESCRIPTION: Full sized toilets and partitions needed. Sinks may also need to be re-done to accommodate the handicapped.

ALTERNATIVES CONSIDERED: Continue in present state.

ESTIMATED COSTS PREPARED BY: Lyle Nelson

Land acquisition	\$ N/A
Construction	\$ 16,800
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 16,800
Total for this request only	\$ 16,800
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

WILLOW RIVER CAMP

INSTITUTION DETAIL

REQUEST: Tile Barracks Floors - RRI \$ 6,720

JUSTIFICATION: The floor tiles in the barracks are worn out.

DESCRIPTION: This request is for replacing the floor tiles in the barracks.

ALTERNATIVES CONSIDERED: The only alternative considered is to leave the floors as they are.

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ 6,720
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 6,720
Total for this request only	\$ 6,720
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA HOME SCHOOL

INSTITUTION DETAIL

REQUEST: Continue Remodeling and Repair of
Sinclair Lewis Hall - RRI

\$ 29,120

JUSTIFICATION: This is a multi-use building for education, medical, recreation, communication, staff training, conferences, and offices. We want to continue the remodeling of this building, provide handicap facilities, and utilize maximum space.

DESCRIPTION: Details of this project as follows:

- a. Tuckpoint exterior brick of this building.
- b. Remodel east (Cadet) wing bathroom to provide bathroom facilities for both male and female inmates, staff and visitors, meeting handicapped provisions.
- c. Install 3,000 square feet of concrete floor in east wing basement that is just a dirt floor. Replace south basement door and install entrance driveway.

ALTERNATIVES CONSIDERED: No acceptable alternatives.

ESTIMATED COSTS PREPARED BY: Loren Williams, Business Manager

Land acquisition	\$ N/A
Construction	\$ 29,120
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 29,120
Total for this request only	\$ 29,120
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA STATE PRISON

INSTITUTION DETAIL

REQUEST: Water Treatment Plant Addition - Health and Safety \$ 11,200

JUSTIFICATION: The facility is located adjacent to the institution and is without toilet facilities or adequate storage space for chemicals. The Minnesota Department of Health has again recommended this addition.

DESCRIPTION: 22' x 22' x 8' needed for toilet facilities and storage space

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Plant Operations

Land acquisition	\$ N/A
Construction	\$ 11,200
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 11,200
Total for this request only	\$ 11,200
Cost/gross square footage	\$ N/A
Cost/assignable square footage: 484 sq. ft.	\$ 23.14

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: Replace Cell House Screens - Health and Safety \$ 52,492

JUSTIFICATION: Insect window screens on cell house windows A-B-C are in extremely poor condition. The wood frames are nearing the point of being irreparable. During summer months it's an absolute necessity to keep all windows open 24 hours a day because of the heat. Without adequate screens, flies, gnats, and mosquitoes are a nuisance and a source of irritation to both inmates and staff.

DESCRIPTION: Replace wood frame window screens on Cell Houses A-B-C with aluminum framed screens. There are approximately 40 openings in Cell House A and 38 window openings in Cell House C. Both Cell House A and C form the outside perimeter and, consequently, the lower portion of the window must have security screen besides insect screen. This would affect approximately 19 windows in each of these two cell houses. B House has 50 windows requiring insect screens.

ALTERNATIVES CONSIDERED: None considered at this time.

ESTIMATED COSTS PREPARED BY: Based on recent bid at the Prison.

Land acquisition	\$ N/A
Construction	\$ 52,492
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 52,492
Total for this request only	\$ 52,492
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

STATE TRAINING SCHOOL

INSTITUTION DETAIL

REQUEST: Replace Greenhouse Windows - RRI \$ 16,800

JUSTIFICATION: The wooden window frames are rotting so that humidity control is seriously compromised. This vocational program has excellent results with both juvenile and adult populations.

DESCRIPTION: Replace with a metal or plastic frame to prevent rotting.

ALTERNATIVES CONSIDERED: Continue to have Maintenance Department annually construct new window frames.

ESTIMATED COSTS PREPARED BY: Neal Larson/Tom Kernan

Land acquisition	\$ N/A
Construction	\$ 16,800
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 16,800
Total for this request only	\$ 16,800
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA CORRECTIONAL FACILITY - LINO LAKES

INSTITUTION DETAIL

REQUEST: Remodel Industry Area for New Production Needs - RRI \$ 95,200

JUSTIFICATION: Four (4) projects are needed here. The first involves remodeling of an old office, school and medical areas. These areas, designed for the programming of youthful offenders in the 1960's, are now largely unusable. Modifications will make this space available for production work.

There is great reliance on electrical motors in our Industrial "B" Building. As industry projects expand, the capacity of the building to increase electrical output must be improved. In the future we can count on additional printing presses in the shop, power tools in the wood shop, cabinet shop, upholstery shop and metal shop.

The operation of gasoline engines in this building for the compressor and power sources for various other operations create gasoline engine exhaust which is a health hazard.

The processing, handling, storage and printing of paper cannot be done in a high humidity area. During peak periods of high humidity in the summer, printing presses are continually jamming and the efficiency of this shop drops as much as 50 percent due to high humidity. Humidity control in a print shop is absolutely essential to the proper operation of the program.

DESCRIPTION: This appropriation will allow us to engage an architectural firm to design and supervise the construction of these projects.

ALTERNATIVES CONSIDERED: The alternative to remodeling is new construction or limits on production, neither of which is feasible.

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ 67,200
Non-building costs	\$ 28,000
Architects fees	\$ 7,840
Equipment	\$ 20,160
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 95,200
Total for this request only	\$ 95,200
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Some additional cost for greater power needs.

DEPARTMENT OF CORRECTIONS

WILLOW RIVER CAMP

INSTITUTION DETAIL

REQUEST: Pave Camp Road - RRI \$ 33,600

JUSTIFICATION: The camp road is gravel which requires continual maintenance because of heavy car and truck traffic.

DESCRIPTION: This request is to pave the camp road and office parking area.

ALTERNATIVES CONSIDERED: The alternative is to continue maintaining the present gravel road.

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 33,600
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ 33,600
Other	\$ N/A
Total project cost	\$ 33,600
Total for this request only	\$ 33,600
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA HOME SCHOOL

INSTITUTION DETAIL

REQUEST: Lind Cottage Second Floor Replacement -
Health and Safety \$ 16,800

JUSTIFICATION: Present wood floor on the second floor of Lind Cottage will need replacement with concrete facing and floor tile. These floors are warped, and wood floors present fire hazard in resident cottages.

DESCRIPTION: Lind Cottage is presently used to house female adult offenders. The wood floors, and wood sleepers will be replaced with concrete and floor tile. This wood floor deficiency has been corrected in Evers, Stowe, and Alcott cottages, and will continue in Richard and Sullivan cottages in 1978 and 1979.

ALTERNATIVES CONSIDERED: No acceptable alternatives.

ESTIMATED COSTS PREPARED BY: Loren Williams, Business Manager

Land acquisition	\$ N/A
Construction	\$ 16,800
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 16,800
Total for this request only	\$ 16,800
Cost/gross square footage	\$ N/A
Cost/assignable square footage: 3,000 sq. ft.	\$ 5.60

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA STATE PRISON

INSTITUTION DETAIL

REQUEST: Tuckpointing - RRI

\$ 168,000

JUSTIFICATION: There are twenty-three brick buildings within the main institution plus the wall and towers, most of which were constructed between 1910-14. Tuckpointing is absolutely necessary to maintain them.

DESCRIPTION: Replace loose bricks and mortar on buildings not included for future renovations.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Plant Maintenance

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 168,000
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other - Tuckpointing	\$ 168,000
Total project cost	\$ 168,000
Total for this request only	\$ 168,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: Refinish Interior Cell Walls - RRI

\$ 183,680

JUSTIFICATION: The individual cell walls are in poor condition from the years of use, countless patching and repainting jobs. Added to this, the back wall is generally the worst because of the moisture coming from the plumbing hatchway. In cell houses A, B, and C, plaster is used over either brick or poured concrete construction. The plaster is old and readily comes off and is difficult to properly patch.

DESCRIPTION: Existing plaster walls to be stripped to solid structure which is either brick or poured concrete. New plaster or a synthetic material such as bloc-bond would be applied. Cell houses A, B, and C are included in this request. Bloc-bond would be sprayed on.

ALTERNATIVES CONSIDERED:

1. Continue with the same random patching.
2. Apply a laminated plastic material to walls - which would be double the cost of plaster or bloc-bond.

ESTIMATED COSTS PREPARED BY: State Architect

Land acquisition	\$ N/A
Construction	\$ 183,680
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 183,680
Total for this request only	\$ 183,680
Cost/gross square footage	\$ N/A
Cost/assignable square footage - 81,636 sq. ft.	\$ 2.25

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: A reduction in labor and material for patching walls prior to painting. No estimate available.

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: 2nd Deck in Maintenance Shop Area - New Construction \$ 84,000

JUSTIFICATION: This area is located above the present carpenter/machine repair shop. Prior to 1968 the entire area was the old coal boiler room of the power plant. It represents 3,500 sq. ft. of prime shop/storage area, that is available for the cost of a floor, and minor renovation of lights and windows. The present body shop, also located in the old power plant, was constructed by installing a new floor over empty space.

The new area could be used in a number of productive ways. For example, the area could be used to expand the body shop which is located in the same building. The area could be used as new industries shop areas or much needed industries storage area. Load factors would be designed to accept passenger vehicles.

DESCRIPTION: Funds would be used to hire an architect/engineer to develop structure plans, plus specifications for lighting and window renovation plus installation of minimal heating. Initial indications are that the structured floor will be pre-stressed concrete, laid on a structured steel frame. Work would be by contract.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ 77,064
Non-building costs	\$ 6,936
Architects fees	\$ 6,936
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 84,000
Total for this request only	\$ 84,000
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ 24.00

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: With window replacement, there should be a reduction in heat cost. A small increase in lighting cost is anticipated.

DEPARTMENT OF CORRECTIONS

STATE TRAINING SCHOOL

INSTITUTION DETAIL

REQUEST: Install Insulation in Attics of Four (4)
Multi-Leveled Buildings - Energy Conservation \$ 25,704

JUSTIFICATION: An estimated 5% reduction per building in heating costs is the expected result.

DESCRIPTION: Administration, Chapel, Vocational and Volunteer Center Buildings need attic insulation (none presently in place).

ALTERNATIVES CONSIDERED: Close buildings for the heating season and risk probable building deterioration and damage.

ESTIMATED COSTS PREPARED BY: State Architect's Office	
Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 25,704
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other - Labor and material	\$ 25,704
Total project cost	\$ 25,704
Total for this request only	\$ 25,704
Cost/gross square footage	\$ N/A
Cost/assignable square footage: 42,491 sq. ft.	\$ 0.60

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Estimated savings of approximately \$1,200 per year in future fuel costs.

DEPARTMENT OF CORRECTIONS
MINNESOTA CORRECTIONAL FACILITY - LINO LAKES
INSTITUTION DETAIL

REQUEST: Security Intercom System - Security \$ 22,400

JUSTIFICATION: An intercom system will provide cottage staff with a means of calling for help in the event of a disturbance or emergency. An intercom can be installed in such a way that a disconnected unit will signal the control center. We presently rely upon the telephone which is slow and cumbersome to use in an emergency and which is easily disconnected by inmates.

This system would also improve regular communications by allowing common announcements, rapid search for specific individuals and constant monitoring of cottage activities.

DESCRIPTION: This appropriation will allow us to contract with a firm that specializes in this type of project.

ALTERNATIVES CONSIDERED: An emergency telephone number has been established, but the caller must be able to identify his location. If under attack, the counselor cannot do this.

ESTIMATED COSTS PREPARED BY: James Hulburt, Operations Director

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 22,400
Architects fees	\$ N/A
Equipment	\$ 16,800
Site work	\$ N/A
Other - Installation	\$ 5,600
Total project cost	\$ 22,400
Total for this request only	\$ 22,400
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA HOME SCHOOL

INSTITUTION DETAIL

REQUEST: Replace Carpet and Floor Tile in Four (4)
Campus Buildings - RRI \$ 9,744

JUSTIFICATION: We need to replace present carpeting or floor tile to: replace worn out carpet or tile, preserve life of floors, reduce the level of noise.

DESCRIPTION: The carpet to be replaced by 1980 or 1981 is as follows:

Morse Hall Building	345 sq. yds.
3 Resident Cottages	
(Lind, Evers, Stowe or Richard Cottage)	375 sq. yds.
Total -	720 sq. yds.
Approximate cost per square yard - \$13.53	

ALTERNATIVES CONSIDERED: No acceptable alternatives.

ESTIMATED COSTS PREPARED BY: Loren Williams, Business Manager

Land acquisition	\$ N/A
Construction	\$ 9,744
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A

Total project cost	\$ 9,744
Total for this request only	\$ 9,744
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ 1.50

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: Boiler Repair - RRI

\$ 26,880

JUSTIFICATION: The present gas/oil fired boilers were erected in 1966. Since 1974 the interior linings in both boilers have had to be repaired because of the seams leaking combustion air gases. We have spent approximately \$3,000 in repair and have no way of determining the condition of the interior linings or when the next leak will occur. The need is to tear down each boiler, and have the interior professionally inspected and evaluated, and the necessary repairs performed. Until this is accomplished, there is a possible major shutdown in the middle of a heating season.

DESCRIPTION: Funds would be used to contract with boiler repair services to remove and replace boiler linings, evaluate the condition of the unit and repair as needed.

ALTERNATIVES CONSIDERED: Ultimately, the boiler will require major overhaul. Our position is that the repair should be done under controlled circumstances rather than waiting for a crisis.

ESTIMATED COSTS PREPARED BY: SRM engineering staff and boiler repair consultants

Land acquisition	\$ N/A
Construction	\$ 26,880
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A
Total project cost	\$ 26,880
Total for this request only	\$ 26,880
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

STATE REFORMATORY FOR MEN

INSTITUTION DETAIL

REQUEST: Recarpet Dining Room - RRI

\$ 16,016

JUSTIFICATION: The inmate dining room was completed March 30, 1971. We are experiencing two problems. In certain areas the carpet is wearing out simply due to the high volume traffic; secondly, the carpet is separating at the seams. This is due to the method used at the onset to scrub it. Attempts to repair the seams have not proved successful, therefore, they are developing into a hazardous situation. We anticipate replacement during the second year of the biennium, whereby the original will have been used nine years.

DESCRIPTION: Funds from this appropriation will be used to replace approximately 1,100 square yards of carpeting located in the inmate dining room. Part of the funding will be used to remove the existing carpet.

ALTERNATIVES CONSIDERED: Use of vinyl tile was rejected because of the sound control inherent with carpeting.

ESTIMATED COSTS PREPARED BY: Multiple Concepts Interiors, St. Cloud

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ 16,016
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other - installation and materials: 14.56/sq. yd.	\$ 16,016
Total project cost	\$ 16,016
Total for this request only	\$ 16,016
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF CORRECTIONS

MINNESOTA STATE PRISON

INSTITUTION DETAIL

REQUEST: Health and Safety Measures

\$ 1,002,400

JUSTIFICATION: To meet the Department of Labor and Industry, MOSHC 1973 Uniform Fire Code 1973, Uniform Building Code 1973, and Life Safety Code 101, 1976 Standards Minimum requirements.

DESCRIPTION: Attached

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: State Architect's Office

Land acquisition	\$ N/A
Construction	\$ N/A
Non-building costs	\$ N/A
Architects fees	\$ N/A
Equipment	\$ N/A
Site work	\$ N/A
Other	\$ N/A

Total project cost \$ 1,002,400

Total for this request only \$ 1,002,400

Cost/gross square footage \$ N/A

Cost/assignable square footage \$ N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None

November 13, 1978

CAPITAL IMPROVEMENT REQUEST

HEALTH AND SAFETY MEASURES

Administration

- A. Fire line hose and racks installation on all floor levels at center and both ends-hose size 1½ inch N.S.T. male and female corrosive resistant material with individual water control valves and booster pumps-fire nozzles 1½ inch adjustable type-hose lengths of soft sections.
- B. A sprinkler fire line system wet for basement area.
- C. Enclosure of existing center stairway with exterior exit doorway and repair stairways and landing (worn grooves, etc.).
- D. Local pull box fire alarm system for all floor levels in accordance with appropriate fire alarm codes.
- E. Enclosure of existing emergency Generator Room-basement-soundproofed and adequate ventilation.
- F. Front entrance doorways expanded to double doorways to meet entrance way - Fire and Safety Code Standards.
- G. Remodel existing men's and women's toilet facilities, main floor, to meet handicapped requirements and present sanitation code standards.
- H. Remodel staff training officers' quarters bathroom facilities to sanitation standards and at least one fixture and stall designed for handicapped - third floor and second floor. Remodel men's and women's facilities for handicapped standards and requirements.

Farm Machinery - Industry Buildings

- A. Convert existing wet sprinkler system to dry system. Replace all sprinkler heads 50 years or older and/or painted, damaged, or improper fused temperatures (approximately 1,000 heads). Bring sprinkler system for paint booths up to code standards. Repipe all branch piping to code location and size requirements.
- B. Upgrade electrical wiring for general lighting and machinery.
- C. Stairway vestibules to meet OSHA standards - all stairways.

Administration Annex

- A. Install exterior open type fire escape for all floor levels (3).
- B. Install a local fire smoke heat pull box alarm system with an exterior alarm bell within N.F.P.A. Alarm Systems Standards and Codes.
- C. Upgrade electrical wiring and install adequate wall outlets for electrical power machines and lighting requirements.

Visiting Room, New

- A. Install fire hose line with rack 1½ inch fire hose polyester-resistance 50 lengths - male/female N.S.T. treading.
- B. Install local fire alarm system, smoke/heat, with control center in Security Unit area.

NOTE: An installed sprinkler system with announcer system would eliminate fire line and pull box systems and be more reliable.

Main Kitchen

- A. Install new elevator, existing one is too small for load requirements.
- B. Exterior load dock extend at least four feet, widen to facilitate unloading/loading operations.
- C. Develop trash storage area away from back door entrance, capable of rinsing of drums (drainage capabilities, etc.).
- D. Basement areas require sandblasting, painting, and floor repairs.
- E. Basement areas should have fire sprinkler system.

Theater

- A. Remove winding stairway to dressing room.
- B. Repair balcony and main floors.
- C. Upgrade electrical wiring in projection booth-stage area to code standards.
- D. Remove security bar from stage door - north double stage doors-replace with Folger Security key lock.
- E. Consider sprinkler system totally for theater.

Laundry

- A. Basement requires exit-way to exterior.
- B. Upgrade electrical outlets and wiring requirements.
- C. Basement should be considered for fire sprinkler system.

Commissary - Inside Warehouse

- A. Commissary wiring and lighting should be upgraded, all office and storage areas, including exit lighting.
- B. Proper ventilation of all areas for air exchange should be surveyed and upgraded.
- C. Elevator - now being overloaded - a larger weight lift capacity elevator should be installed, at least a 4,000 lb. unit.
- D. Fire sprinkler system should be installed throughout all storage and office areas.
- E. Exterior loading dock should be enlarged at least six feet.

Security Center

- A. Center fire alarm system receiving panel for fire hose, fire alarm.
- B. Total Administration Building including cell halls, security center, operations, kitchen, theater, education, gym, etc., should have fire alarm systems, pull box type.
- C. Basement - ventilation for dark room lighting, wall sockets-wiring should all be upgraded.
- D. Basement exterior egress required (on request of State Architect's Office).

Building Maintenance Facilities

- A. Carpenter Shop: Basement of Cordage Factory.
 - 1. Exhaust system inadequate for wood machinery.
 - 2. Electrical wiring needs to be brought up to electrical standards.
 - 3. Power equipment safety guards (power saws-stripper, etc.).

Building Maintenance - Main Building

- A. Welding and metal work area should be brought up to code (curtains, wall protection from combustibles, electrical wiring and lighting, etc.).

Operations

- A. Electrical wiring and outlets should be upgraded to demand needs and electrical code standards.
- B. Air ventilation system should be upgraded to meet health standards.

Education Department

- A. Stairway should be enclosed (request of State Architect's Office).
- B. Third floor exterior egress should be installed to ground level.
- C. Local fire alarm system - heat smoke detection system required for total Educational Department.
- D. Ventilation system for second and third floors should be upgraded to health and safety standards.

Towers #1 thru 7

- A. Stairways need tread repairs.
- B. Walkways (walls), need major repairs (broken slabs, etc.).
- C. Electrical wiring needs upgrading.

South Port

- A. Gate guard shack should be rebuilt with toilet facilities, enclosed with exterior spot light capabilities.
- B. Vehicle checking ramp should be built for security checks of buses, trucks, etc. (present method is extremely dangerous).

Cell Halls Basement Areas - A, B, D

- A. Pipe chase areas plumbing require major repairs of sewage and water lines - excessive leaking.
- B. Lighting throughout requires upgrading.
- C. Floor repairs and floor drainage are needed.

- D. Window repairs of cell hall basement and tunnel areas.
- E. Sprinkler fire system should be considered for all basement areas.

Gym

- A. Exit lighting for exterior doorways.
- B. Relocate fire line to hallway, which now is in ventilation room.

Cell Halls

- A. Cell Hall A - Install 1½ inch hard rubber fire lines, cabinets and reel, at each floor level in A Seg. and Academic Units and center entrance-total lines, 12 each.
- B. Cell Hall A, B, and D - Install window-type exhaust and intake fans in all units to meet air exchange requirements in the event of excessive smoke and heat problems.
- C. Cell Hall A, B, and D - Repair stairways, steps and landings to ensure smooth surfaces and non-slip capability.
- D. Cell Hall A, B, and D - Upgrade pipe chase electrical lighting and wiring to meet electrical standards.
- E. Cell Hall A, B, and D - Install handrails on all pipe chase galleries and walkways in accordance with OSHA requirements.
- F. Cell Hall A, B, and D - Screen all individual cell air circulation vents-rear of each cell in pipe chase areas.
- G. Provide a security emergency doorway - double with security locks and alarm system to exterior of R&O Unit.
- H. Cell Hall B - Install 1½ inch hard rubber fire lines with cabinets and reels, at each floor level North Center - South ends. Total lines, 12 each (tied to existing systems).
- I. Cell Hall D - Install 1½ inch hard rubber fire lines with cabinets and reels at each floor levels in ATC, PCLU, Insight area and general Cell Hall area. Twenty (20) units. This Cell Hall requires complete plumbing in basement - signal system and pressure pump systems.
- J. Cell Hall C and temporary holding units, electrical wiring of living units requires upgrading and sufficient wall outlets.
 - 1. Temporary Unit (10) East front side pipe chase area. Fire line requires replumbing from 1 1/8 inch to 1½ inch pumping for fire line and 1½ inch, 300 lbs. N.S.T. control valve and replacement of fire hose and rack hose line - 2 section 1½ inch with male and/or female connection - poly resistance material rubber lined.

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota State Training School	General maintenance - physical plant	\$45,000 (1973)	12/74	Completed	
	Separation of storm and sanitary sewer, repair roads and parking lot	\$25,000 (1973)	12/74	Completed	
	Repair and remodel interior of volunteer center	\$7,500 (1973)	8/75	Completed	
	Install seven drinking fountains, demolish old kitchen	\$15,000 (1973)	7/75	Completed	
	Grinnel Cottage remodeling	\$100,000 (1976)	9/77	Completed	
	Modernization - Administration Bldg.	\$23,000 (1976)	9/77	Completed	
	Exhaust ventilation for group meeting rooms	\$28,000 (1976)	9/77	Completed	
	Tuckpointing	\$100,000 (1976)	9/77	Completed	
	Safety and health - campus wide	\$128,500 (1978)	N/A	Estimated bid date on part 2-1-79	
	Knox Cottage repairs	\$10,900 (1978)	N/A	Initial stage with state architect	
	Grinnel Cottage remodeling (completion)	\$152,600 (1978)	N/A	Estimated bid date 2-1-79	
	Low pressure boiler	\$32,700 (1978)	N/A	Initial stage with state architect	
		H-48			

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
	Princeton/Yale Cottages' heating lines	\$47,960 (1978)	N/A	Initial stage with state architect	
	Measured drawing, boys' dining hall	\$3,270 (1978)	N/A.	Estimated bid date 12-78	
H-49					

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota Correctional Facility - Lino Lakes	Fire detectors and area lighting	\$25,000 (1973)		Completed	
	Repair concrete floor - boiler room	\$16,500 (1976)	Project cancelled - funds used on medium security conversion		
	Correct site drainage - Activities Bldg.	\$3,300 (1976)	Project cancelled - funds used on medium security facility		
	Conversion to medium security	\$1,112,800 (1976)	6/76 6/77	Completed	
	Standby generator	\$105,843 (1976 & 1977)	7/77	Completed	
	B Building modification	\$200,000 (1978)	6/78	In design stage	10/79
	Safety and health	\$230,000 (1978)	6/78	In design stage	10/79
	Energy projects	\$101,697 (1978)	6/78	In design stage	10/79
	Building modifications	\$19,620 (1978)	6/78	In design stage	10/79
	Maintenance projects	\$15,151 (1978)	6/78	In design stage	10/79
	Vehicle and storage building	\$26,600 (1978)	6/78	In design stage	10/79
	Upgrade grounds	\$10,000 (1978)	N/A	In design stage	10/79
	Roadways	\$44,000 (1978)	N/A	In design stage	10/79
	Roof replacements	\$40,000 (1978)	6/78	In design stage	10/79
H-50					

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
	Carpet living area	\$20,000	N/A	Requisition submitted	10/79
	Upgrade sewer	\$20,710	N/A	In design stage	10/79

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota Correctional Institution for Women	New steps, Sanford Cottage	\$3,500 (1973)	2/75	Completed	
	Exit lights and second means of egress, Higbee Cottage	\$50,000 (1973)	2/75	Completed	
	General repairs, painting of windows and remodeling of Shaw	\$20,000 (1976)	1/78	Completed	
	Electrical rehabilitation	\$10,000 (1976)	12/78	None	3/79
	Safety and Health	\$200,000 (1978)	N/A	15%	9/79
	Zone heat and temperature control	\$20,383 (1978)	N/A	None	9/79
	Remodel Sanford Cottage	\$30,000 (1978)	N/A	None	9/79
	Storm sewer assessment and hookup	\$73,150 (1978)	N/A	50%	6/79
	Security windows and fence, Higbee Cottage	\$43,000 (1978)	N/A	None	6/79
	Miscellaneous general repair	\$17,985 (1978)	N/A	None	9/79

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Willow River Camp	Sewer system	\$15,000 (1973)	9/77	Completed	
	Vocational training building	\$130,000 (1976)	None	Funds used on higher priority projects	
	Dormitory toilet areas	\$25,000 (1976)	9/77	Completed	
	Water supply equipment	\$5,000 (1976)	9/77	Completed	
	Storage area and toilet	\$55,000 (1976)	None		*
	Fire alarm system	\$20,000 (1976)	9/77	Completed	
	Outside lighting	\$7,000 (1976)	None		*
	Roof repairs	\$12,700 (1976)	9/77	Completed	
	Sewer system	\$50,650 (1976)	9/77	Completed	
* There are no plans to do the work at this time.					
H-53					

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota Home School	Remodel chapel	\$15,000 (1973)	4/75	Completed	
	Climate control-Popp Building- Zone heating Alcott, Stowe, and Evers	\$45,000 (1973)	9/74 6/77	Completed	
	Carpet Lind & Richard	\$3,200 (1973)	9/73	Completed	
	Combination storm/screen windows for 7 buildings	\$14,000 (1973)	8/74	Completed	
	Mary Lyon School	\$24,000 (1976)			
	A. Roof repair		11/77	Completed	
	B. Interior bathrooms, electrical panel		6/78	Completed	
	Maintenance - Industrial Building remodeling	\$8,000 (1976)			
	A. Electrical panel		8/77	Completed	
	B. Dust collector		- 1/78	Completed	
	Sinclair Lewis Hall remodeling	\$71,219 (1976)			
	A. Zone heating		9/77	Completed	
	B. Electrical panel		9/77	Completed	
	C. Interior switchboard		6/78	Completed	
	Richard & Lind Cottage second floor replacement	\$12,431 (1976)			
	A. Richard Cottage		N/A	In planning stage	Spring 1979
	B. Lind Cottage		N/A	In planning stage	Spring 1979
		H-54			

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota Home School	Pettit Cottage - Second floor - south wing	The funds from this low priority project were needed to finance higher priority project of Sinclair Lewis Hall.			
	OSHA Items	\$12,724 (1976)			
	A. Construction of Storage Building		9/77	Completed	
	B. Ventilation of Garage		9/77	Completed	
	Sullivan Cottage remodeling	\$39,200 (1978)	N/A	In planning stage	5/79
	Sealcoat & blacktop	\$30,000 (1978)	8/78	Completed	
	3 Heating furnaces	\$17,900 (1978)	11/78	In progress	12/78
	Safety & Health	\$21,000 (1978)			
	A. Install smoke detectors		N/A	Completed	
	B. Extend fire escape		1/79	Out for bid	12/79
	C. Install 6 kitchen stove hoods		12/78	Out for bid	3/79
		H-55			

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Thistledeew Camp	Backup Well	\$2,000 (1978)	9/78	Completed	
	Auxiliary fire hydrant system	\$50,000 (1974)	\$3,000 Dorm Roof 7/76	Completed	
	Auxiliary fire hydrant system	\$50,000 (1978) Transfer from Willow River Camp	\$85,517 7/78	85% completed	6/79
	Auxiliary fire hydrant system		\$11,263 7/78	Completed	
	Sewage Treatment	\$81,750 (1978)	\$11,000 9/78	85% completed	6/79
	Sewage Treatment		\$69,000 9/78	90% completed	6/79
	Sewage Treatment		\$945 5/78	Completed	

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota State Prison	MSP cordage bldg. fire	\$15,000 (1976)	5/78	Completed	
	Steam and return lines to health center	\$108,000 (1976)	8/76	Completed	
	Roof repairs	\$57,033 (1976)	4/77 10/77	Completed	
	Lock repair	\$150,000 (1976)	10/76-4/77	Completed	
	Minimum security building	\$163,000 (1976)	4/77	Completed	
	Control Center assigned funds to expand Visiting Room	\$100,000 (1976)	12/77	Completed	
	Boiler repairs	\$17,765 (1976)	7/78	Completed	
	Boiler repairs	\$150,000 (1976)	6/77	Completed	
	Reduce cap. old prison	\$100,000 (1977)	1/78	98% Completed	6/79
	Kitchen floor	\$25,000 (1976)	4/77	Completed	
	Lock repairs	\$40,000 (1978)	None	None	8/79
	Tuckpointing labor	\$75,500 (1978)	None	Continuous	Continuous

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
	Plan prison renovation	\$235,000 (1978)	10/78	50% Completed	8/79
	Power plant	\$1,000,000 (1978)	10/78	20% Completed	6/80
	MSP renovations	\$167,720 (1978)	10/78	20% Completed	12/79
	Replace elevators, Industries	\$392,400 (1978)	8/78	44% Completed	6/79
	Expand Visiting Room	\$38,648 (1978)	7/78	47% Completed	6/79
	Safety and health, Industries	\$545,810 (1978)	7/78	25% Completed	12/79
	Safety and health, general	\$200,000 (1978)	None	None	6/80
	Tuckpointing	\$100,000 (1978)	Continuous		6/80

DEPARTMENT OF CORRECTIONS

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota State Reformatory for Men	New oven, Food Service	\$17,000 (1973)	3/74	Completed	
	Misc. reroofing	\$20,000 (1973)	12/73	Completed	
	Plaster ceiling in Food Service and laundry	\$5,250 (1973)	8/75	Completed	
	Tuckpointing	\$10,000 (1973)	N/A	Completed	
	Resurface roads	\$10,000 (1973)	4/74	Completed	
	Vocational training building	\$300,000 (1976)	5/77	Completed	
	E-House locks	\$80,000 (1976)	N/A	Not completed, 1978 additional appropriation	
	Front cage modification	\$100,000 (1976)	1/77	Completed	
	Security corridor and day room	\$279,000 (1976)	5/77	Completed	
	Remodel Cell House D	\$240,000 (1976)	7/76	Completed	
	Dishwashing room floor	\$17,000 (1976)	4/77	Completed	
	Roof repair	\$40,000 (1976)	N/A	Funding used on other projects	
	Food Service locks	\$12,000 (1976)	7/77	In progress	

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
	Demolition of water tower	\$5,000 (1976)	N/A	Design stage	
	Overhaul E-House locks	\$336,000 (1978)	6/78	Contract to be let mid Feb. '79	2/80
	Divide dining room (actual approp. for re-carpeting dining)	\$5,000 (1978)	7/78	Balance of \$3,615 not sufficient to complete	
	New windows industries building	\$10,000 (1978)	9/78	Ground floor unit to be completed mid Jan. Balance \$7,764 to be applied to next floor	Spring '79
	Overhaul truckgate	\$28,000 (1978)	9/78	Installation in Spring '79	Spring '79
	Health service area	\$161,865 (1978)	7/78	Design stage	Fall '79
	2nd deck in warehouse	\$30,000 (1978)	N/A	No progress to date	
	Zone heating - phase I	\$10,000 (1978)	N/A	Consulting with State Engineer	
	Sealcoat and extend parking lot	\$20,000 (1978)	8/78	Sealcoat complete. Balance of \$8,076 to be used Spring '79	Summer '79
	Masonry shop and maintenance shop	\$20,000 (1978)	8/78	Maint. shop 50% Masonry shop 0%- complete	Summer & Fall '79
	Safety and health program	\$274,690 (1978)	12/78		Late Spring '79
		H-60			

DEPARTMENT OF PUBLIC WELFARE

AH-GWAH-CHING NURSING HOME

INSTITUTION DETAIL

REQUEST: Life Safety Citations from the Fire Marshal \$ 468,981

JUSTIFICATION: Many of these citations date back to 1969 and have been rewritten each year. Some are also from the 1977 inspection. Correction is required for certification for the Medical Assistance Program.

DESCRIPTION: This project includes renovation to the fire alarm system (96,629), replacement of slide chutes with stairways (205,435), automatic switching for the generators (19,260), and replacement of wooden doors and floors in the Administration Building (147,657).

ALTERNATIVES CONSIDERED:

The alternative is not to participate in the Medical Assistance Program. However, we will make collections of \$3,300,000 in the current year from the Medical Assistance program.

ESTIMATED COSTS PREPARED BY: Centrum Architects

Land acquisition	\$	
Construction	\$	438,300
Non-building costs	\$	
Architects fees	\$	30,681
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	468,981
Total for this request only	\$	468,981
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

AH-GWAH-CHING NURSING HOME

INSTITUTION DETAIL

REQUEST: Repair flat roofs - Power House and Garage \$ 36,000

JUSTIFICATION: The roofs are in need of repair to protect and prolong the life of the buildings.

DESCRIPTION: This project will repair the roof of the Power House and the Garage Building next to the Power House.

ALTERNATIVES CONSIDERED:

Not to repair would jeopardize the life of the buildings.

ESTIMATED COSTS PREPARED BY: Ah-gwah-ching staff

Land acquisition	\$	
Construction	\$	36,000
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	36,000
Total for this request only	\$	36,000
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE
ANOKA STATE HOSPITAL
INSTITUTION DETAIL

REQUEST: Vehicle Storage Building (Garage) \$ 48,000

JUSTIFICATION: To replace the present garage which will be torn down to make room for our new building.

DESCRIPTION: A Butler type steel building size 60' x 120' 7200 sq. ft.
2 - 12' x 12' overhead doors 16 parking bays.

ALTERNATIVES CONSIDERED: Leaving vehicles outside but Minnesota weather does not permit this, also, it would increase the chance of pilferage.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	48,000
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Balco Building Systems, Inc.		
Mpls., Minnesota		
Total project cost	\$	48,000
Total for this request only	\$	48,000
Cost/gross square footage	4	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

DEPARTMENT OF PUBLIC WELFARE
ANOKA STATE HOSPITAL
INSTITUTION DETAIL

REQUEST: Remodeling - Cottage 2 (\$192,600), Cottage 3 - (\$192,600) \$ 962,807
Cottage 4 (\$192,600), Auditorium (\$192,407) Fahr (\$192,600)

JUSTIFICATION: To bring this patient resident and program areas into compliance with Life Safety standards and Department of Health, Education & Welfare law.

DESCRIPTION: Fire escapes to be installed, walls added to divide wards into 4-bed units. Sprinkler system to be installed. Label doors to be installed.

ALTERNATIVES CONSIDERED:

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	\$899,820
Non-building costs	\$	
Architects fees	\$	62,987
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	962,807
Total for this request only	\$	962,807
Cost/gross square footage	\$	10.15
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

ANOKA STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Air condition remaining part of Miller Building \$ 154,080

JUSTIFICATION: We feel that high heat and humidity have a tendency to aggravate these symptoms in our patients. This building has a flat roof which we believe tends to make it even warmer in the summer time.

DESCRIPTION:

ALTERNATIVES CONSIDERED:

None

ESTIMATED COSTS PREPARED BY: Sun Mechanical & Electrical Co. 1210 Glenwood Ave., Mpls.

Land acquisition	\$	
Construction	\$	144,000
Non-building costs	\$	
Architects fees	\$	10,080
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	154,080
Total for this request only	\$	154,080
Cost/gross square footage	\$	
Cost/assignable square footage	\$	18.78

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

Some increase.

DEPARTMENT OF PUBLIC WELFARE

ANOKA STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Roofing Porch roofs of Cottages 2, 3, and 4, Nurses \$ 91,940
Dormitory, Auditorium, Power Plant (\$70,340)
Repair roads on grounds (\$21,600)

JUSTIFICATION: The porch roofs of Cottages 2, 3, and 4 are leaking. The
Dormitory roof is 25 years old, Auditorium roof is 20 years old, Power
Plant roof is 20 years old.
Repair roads to prevent further deterioration.

DESCRIPTION: Contractor to remove old roofing material and install a new
roof mat according to the plans and specifications of the State Architect's
Office. Several roads and parking lots need new mats and sealcoating.

ALTERNATIVES CONSIDERED:

ESTIMATED COSTS PREPARED BY: Roofs-using State Architect's figures of
\$3.64 a square foot.
Roads - H & S Asphalt Co., Anoka

Land acquisition	\$	
Construction	\$	91,940
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	91,940
Total for this request only	\$	91,940
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

BRAINERD STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Remodel Building 20, provide furniture and carpeting, \$ 1,687,956
Air Condition to meet Code Requirements.

JUSTIFICATION: Building 20 is one of 5 remaining resident buildings which do not meet standards for facilities for mentally retarded. The project would result in a 64-bed residential building consisting of 4 living units or households of 16 each which would meet all applicable standards.

DESCRIPTION: Structural remodeling and furnishing to meet ICF/MR and Life Safety Code Standards, air conditioning and carpeting to meet stipulations included in the Welsch vs. Dirkswager Court Order.

ALTERNATIVES CONSIDERED:

Federal standards must be met by July, 1980, or Federal funding for cost of care will be in jeopardy.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	1,522,800
Non-building costs	\$	
Architects' fees	\$	106,596
Equipment	\$	
Site work	\$	
Other Furniture and carpeting	\$	58,560
Total project cost	\$	1,687,956
Total for this request only	\$	1,687,956
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

\$5,900 increase fuel, utilities (estimate)

DEPARTMENT OF PUBLIC WELFARE

BRAINERD STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Remodel Building 19, provide furniture and carpeting, \$ 1,687,956
air condition to meet code requirements.

JUSTIFICATION: Building 19 is one of 5 remaining resident buildings which do not meet standards for facilities for mentally retarded. The project would result in a 64-bed residential building consisting of 4 living units or households of 16 each which would meet all applicable standards.

DESCRIPTION: Structural remodeling and furnishing to meet ICF/MR and Life Safety Code standards. Air conditioning and carpeting to meet stipulations included in the Welsch vs. Dirkswager Court Order.

ALTERNATIVES CONSIDERED:

Federal standards must be met by July, 1980 or federal funding for cost of care will be jeopardized.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	1,522,800
Non-building costs	\$	
Architects' fees	\$	106,596
Equipment	\$	
Site work	\$	
Other Furniture and carpeting	\$	58,560
Total project cost	\$	1,687,956
Total for this request only	\$	1,687,956
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

\$5,900 increase, fuel and utilities (estimate)

DEPARTMENT OF PUBLIC WELFARE
CAMBRIDGE STATE HOSPITAL
INSTITUTION DETAIL

REQUEST: Construct sidewalks - Boswell, McBroom, Cottages
8 and 11 \$ 12,360

JUSTIFICATION: Households of Boswell, McBroom, 8 and 11 are being remodeled to include a "front door" for each that is separate from the common building front entrance. Safe walkways are needed to link these entrances to the present sidewalk system.

DESCRIPTION: 4-foot wide sidewalks

ALTERNATIVES CONSIDERED: Until sidewalks are built it will be necessary for the households to continue to use the common building front entrance.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction (cost estimate based on work of this kind being done locally)	\$	12,360
Non-building costs	\$	
Architects' fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	12,360
Total for this request only	\$	12,360
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

INSTITUTION DETAIL

I-77

DEPARTMENT OF PUBLIC WELFARE

CAMBRIDGE STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Correct Life Safety Code deficiencies \$ 588,072
Cottages 1, 2, 6 and Main

JUSTIFICATION: This work is needed so the buildings will be in compliance with the Life Safety Code.

DESCRIPTION: Install emergency power circuitry, enclose stairwells, install fire-rated doors, install smoke detectors, replace plain glass with wire glass, install automatic door closers and install fire exits.

ALTERNATIVES CONSIDERED: Since these buildings are needed for residential and program use, they must be brought into compliance to be safe for use.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction (costs based on estimates by consulting architect)	\$	549,600
Non-building costs	\$	
Architects fees	\$	38,472
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	588,072
Total for this request only	\$	588,072
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

FARIBAULT STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: #55 Hickory, #56 Elm, and #53 Linden - code compliance improvements, roof repair and furniture. \$ 2,526,682

JUSTIFICATION: These buildings do not comply with Life Safety Code, Department of Health and DPW Rule 34. Compliance is necessary and is advisable to create a proper living/training environment for residents.

DESCRIPTION: The project involves corrections for Life Safety Code, establishment of individual households with individualized sleeping, toileting and living space - \$1,207,268. These three buildings house physically handicapped residents and should be air conditioned - \$1,070,214. Barriers to the physically handicapped will be removed. Carpeting and furnishings need to be enhanced - \$90,000. Elm building requires an exit stair tower due to elevation. Linden requires reroofing and insulation to correct severe leakage problems - \$140,000. Enclose docks on Hickory and Elm - \$19,200.

ALTERNATIVES CONSIDERED: There are no good alternatives.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction (Hickory-\$281,120 and \$270,000) (Elm-\$319,120 and \$273,500) (Linden-\$340,000 and \$290,000)	\$	2,287,688
Non-building costs	\$	
Architects fees	\$	148,994
Equipment	\$	90,000
Site work	\$	
Other	\$	
Total project cost	\$	2,526,682
Total for this request only	\$	
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

FARIBAULT STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Reroof #45 Birch - \$126,000 and #30 Seneca - \$126,000; \$ 521,608
exit stair tower, reroof - \$21,000, and other repairs
for #50 hospital - \$248,608.

JUSTIFICATION: Birch and Seneca roofs have deteriorated beyond repair
and require reroofing; Acute Hospital has code requirements for exit
stair tower and alarm and call systems.

DESCRIPTION: Birch and Seneca replace existing deteriorated roofing,
roof insulation, fascia and soffits. Acute Hospital-construct enclosed
exit stair towers, standby electric generation. Upgrade and extend
fire alarm and nurses call system. Partial reroof and roof insulation
replacement. Replace and reset entry stair stone. Remove barriers to
the handicapped.

ALTERNATIVES CONSIDERED: No good alternatives available. Emergency electrical
generation necessary in hospital due to size of essential load.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	505,344
Non-building costs	\$	
Architects fees	\$	16,264
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	521,608
Total for this request only	\$	521,608
Cost/gross square footage		
Cost/assignable square footage		

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

FARIBAULT STATE HSOPITAL

INSTITUTION DETAIL

REQUEST: Code compliance #111 Main Kitchen, #49 Laundry, \$ 541,188
emergency electrical power for various resident
and service areas.

JUSTIFICATION: Code compliance for Main Kitchen and Laundry is necessary
to protect health and safety of staff, and to prevent disease dissemina-
tion. Emergency electrical power necessary for safety and life support.

DESCRIPTION: Provide automatic carbon dioxide fire extinguishing system
over cooking appliances. Upgrade kitchen fire alarm system, install auto-
matic sensors - \$79,608. Install battery pack emergency light packs in
resident and service areas, and utilize instantaneous generators in areas
with life support requirements - \$177,600. Replace and upgrade unreliable
fire alarm system campus-wide. In the laundry provide for sorted laundry
(\$121,980) cart sterilization, contaminated laundry washing and construct
flammable paint storage in Paint Shop area (\$42,000) as required by OSHA.
Roof kitchen - \$120,000.

ALTERNATIVES CONSIDERED: Alternatives to Code compliance don't usually exist.
In this case an alternate of a combination of battery packs and small generators
can much more econonically meet the need for emergency power than can central
generation.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	528,008
Non-building costs	\$	
Architects fees	\$	13,180
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	541,188
Total for this request only	\$	541,188
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

FARIBAULT STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: #49 Laundry, reconstruct wash area, mechanize
soiled sorting, provide enclosed campus soiled laundry
storage, improve dock. \$ 116,844

JUSTIFICATION: Laundry is producing in a cost effective manner. The
improvement will improve staff utilization. The floor in the wash
room has shifted and broken up and must be replaced.

DESCRIPTION: Remove and replace washroom floor and plumbing. Install
dump and conveyor system for soiled laundry sorting. Provide enclosed
storage for soiled laundry at each pick-up location. Enclose dispatch
dock and install dock levelers.

ALTERNATIVES CONSIDERED:

No alternatives available.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	109,200
Non-building costs	\$	
Architects fees	\$	7,644
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	116,844
Total for this request only	\$	116,844
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

FERGUS FALLS STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Remodel Geriatrics Building #13 (Priority #1) \$ 1,091,400

JUSTIFICATION: We will be (1979) going ahead with replacing all windows, re-doing one unit (1 of 5) and changing bathrooms as far as available funds will allow. This request will allow completion of remaining 4 living areas to all codes and in accordance with present work completed on the other "G" building.

DESCRIPTION: Reconstruct remaining building to four additional 16-bed units, including furniture and carpeting. Building then will meet all codes and house 80 mentally retarded residents in five 16-bed "homes" contingent to each other but having each its own individuality.

ALTERNATIVES CONSIDERED: Continue to occupy the area as a large "ward" would be an only alternative. It would be out of compliance with code (Life Safety and ICF/MR) and we can demonstrate an advantage to residents of smaller but still contingent units.

ESTIMATED COSTS PREPARED: Roger Keiser, Keiser Architecture Corporation	
Land acquisition	\$
Construction	\$ 1,020,000
Non-building costs	\$
Architects fees	\$ 71,400
Equipment	\$
Site work	\$
Other	\$
Total project cost	\$ 1,500,000
Total for this request only	\$ 1,091,400
Cost/gross square footage	\$
Cost/assignable square footage	\$

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST: Slight increase in personnel because of smaller areas to staff. Some additional cost in housekeeping - no figures available.

DEPARTMENT OF PUBLIC WELFARE

FERGUS FALLS STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Improvements - Buildings 22, 24, 26, and 28 (Priority #2) \$ 449,400
Life Safety and remodeling in psychiatric units.

JUSTIFICATION: It is necessary at this point to put some emphasis on upgrading for the psychiatric services since most of our energy has been spent on improving and upgrading the areas for the mentally retarded during the last few years. Funds requested here are costs determined by the architect. We need smaller, more homogenous units and can accomplish this with these.

DESCRIPTION: We plan to move the Psychiatric Unit (upon completion of the space for MR) to a series of areas in the main building. These smaller areas will be close to each other but separated to minimize the mix of residents with dissimilar problems that now exist.

ALTERNATIVES CONSIDERED: Move into area as is. This would mean inadequate bathroom and activity space and not a very pleasant area for the mentally ill as compared to other groups of residents. It would not conform to Life Safety standards and eventually would cause loss of funding and accreditation.

ESTIMATED COSTS PREPARED BY:

Land acquisition		\$	
Construction	Codes	\$	176,400
Non-building costs	Improvements	\$	243,600
Architects fees		\$	
Equipment		\$	29,400
Site work		\$	
Other		\$	4
Total project cost		\$	449,400
Total for this request only		\$	449,400
Cost/gross square footage		\$	
Cost/assignable square footage		\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

FERGUS FALLS STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Repair Roofs-Buildings #1, 12, 13, 14, 25 and 32 \$ 655,200
(Priority 10)

JUSTIFICATION: These roofs are leaking and in need of repair. We have been repairing with maintenance staff but only for temporary repair. For preservation of the roofs, a professional job should be done. - 180,000 sq. ft.

DESCRIPTION: Repairs to flat built-up roofs. Contractor to prepare roofs and provide professional expertise to repair in good condition.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	655,200
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	655,200
Total for this request only	\$	655,200
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

MOOSE LAKE STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Building 10 Re-roofing \$ 109,200

JUSTIFICATION: Remodeling of C-10 to meet Code Standards will begin sometime in Spring of 1979. Investment of Capital Improvement Funds for inside remodeling makes it essential that substantial roof is in place.

DESCRIPTION: Replacement material should be in accordance with Architectural recommendations. Architect estimates call for \$3.64 sq. ft.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	109,200
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	109,200
Total for this request only	\$	109,200
Cost/gross square footage	\$	
Cost/assignable square footage	\$	3.64 sq. ft.

SPACE RELEASED:

CHANGE IN ANNUAL OPERATING COST:

DEPARTMENT OF PUBLIC WELFARE

MOOSE LAKE STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Roofing - Buildings 1, 2, 3, 4, 51, 52 and 60 \$ 174,247

JUSTIFICATION: The over-all plan has been to replace roofs every 20 years. However, the latest materials (asphalt) used have not held up adequately. Also, putting pent houses, etc. on roofs have created leaky roofs.

DESCRIPTION: Present roofs should be repaired by removing gravel, replace drains and expansion joints if necessary. Replacement material should be according to Architects recommendations. Architect's estimate is \$3.64 per square foot.

ALTERNATIVES CONSIDERED: There are no alternatives except to vacate buildings. This is not possible at the present with existing client population.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	174,247
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	174,247
Total for this request only	\$	174,247
Cost/gross square footage	\$	
Cost/assignable square footage	\$	3.64 sq. ft.

COST RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

OAK TERRACE NURSING HOME

INSTITUTION DETAIL

REQUEST: Roofing - Buildings #11, #15, #17 \$ 92,980

JUSTIFICATION: The roofs on these three buildings are leaking and badly in need of repair. We have been fixing areas and sealing them ourselves each year. For the preservation of the roofs, a professional job must be done at least every 20 years.

DESCRIPTION: Repairs to build up roof. Contractor to prepare roof by removing gravel, repair bad spots and install a mat of membrane and cover with hot tar and gravel. Costs obtained from State Architect's Sch. \$3.64 per sq. ft. - 25,544 sq. ft.

ALTERNATIVES CONSIDERED:

Since we cannot vacate the building, the only other alternative would be to build a pitched roof on the building, which would be a prohibitive expense.

ESTIMATED COSTS PREPARED BY: OTNH Staff and State Architect's Office

Land acquisition	\$	
Construction	\$	92,980
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	92,980
Total for this request only	\$	92,980
Cost/gross square footage	\$	
Cost/assignable square footage	\$	3.64

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

OAK TERRACE NURSING HOME

INSTITUTION DETAIL

REQUEST: Patient Ward Remodeling - Buildings #12, #13, #14 \$ 722,764

JUSTIFICATION: To bring our patient wards up to standard as recommended by the State Department of Health. Patient bathrooms need extensive remodeling and MHD has recommended better clothing storage in patient rooms and replacement of worn out hoppers in all janitor closets.

DESCRIPTION: Remodel 13 patient wards by replacing fixtures in bathrooms, tiling walls and widen doorways for wheelchairs. Create closets in patient rooms for storage of clothing, replace old porcelain hoppers with floor mounted type in janitor closets, replace sterilizers and hoppers in utility room.

ALTERNATIVES CONSIDERED:

Considered working on one floor at a time with our own maintenance staff, but concluded this would take too long.

ESTIMATED COSTS PREPARED BY: OTNH Staff & State Architects Office

Land acquisition	\$	
Construction	\$	675,480
Non-building costs	\$	
Architects fees	\$	47,284
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	722,764
Total for this request only	\$	722,764
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

CHANGE IN ANNUAL OPERATING COST:

DEPARTMENT OF PUBLIC WELFARE

OAK TERRACE NURSING HOME

INSTITUTION DETAIL

REQUEST: Laundry and Trash Chutes - Buildings 12, #13, #14 \$ 96,300

JUSTIFICATION: The State Health Department has criticized our trash and laundry operations. By the installation of laundry and trash chutes, we could satisfy them on a sanitary operation and economize on labor saving from our present system of making numerous pickups daily of laundry and trash on 13 wards. Would also save wear and tear on elevators which are overcrowded.

DESCRIPTION: Install stainless steel, self-cleaning sprinklered chutes in all three wings for the removal of laundry and trash. Each access will be complete with fire doors and be accessible from all five levels vertically, to a central collection point in the basement of each wing.

ALTERNATIVES CONSIDERED:

Removal of laundry and trash by truck from each floor to the laundry and compactor.

ESTIMATED COSTS PREPARED BY: OTNH Staff and State Architects Office

Land acquisition	\$	
Construction	\$	90,000
Non-building costs	\$	
Architects fees	\$	6,300
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	96,300
Total for this request only	\$	96,300
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

Prices obtained from Wilkerson Chute Co., Cleveland, Ohio

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

Saving of one full time janitor - approximately \$15,000 a year.

DEPARTMENT OF PUBLIC WELFARE

ROCHESTER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Physical Plant Repairs \$ 201,760

JUSTIFICATION: Provide controls which will make more efficient use of energy in the Power Plant. Replace a leaking roof which is damaging the inner construction. Update elevator to comply with the code requirements. Provide automatic switchgear for emergency generator.

DESCRIPTION: This request includes (1) automatic switchgear for emergency generator - \$20,000; (2) replacement of the roof on the Medical 2 building approximately 180 squares - \$109,760; (3) renovations of the elevator in PS2 building to include new control equipment, car operating panels, electric door operator and new landing control panels - \$36,000; (4) the valve and pump unit on Medical 2 elevator must be replaced due to obsolescence of old unit - \$36,000.

ALTERNATIVES CONSIDERED:

There are no alternatives available.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	199,400
Non-building costs	\$	
Architects fees	\$	2,360
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	201,760
Total for this request only	\$	201,760
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

ROCHESTER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Air-Condition MR Education Building (Building #7) \$ 288,900

JUSTIFICATION: The compliance of the consent decree of the Welsch vs. Dirkswager is required of all state hospitals who offer services to the mentally retarded.

DESCRIPTION: Centralized air conditioning of the building in which MR education programs are conducted.

ALTERNATIVES CONSIDERED:

Window or wall air conditioners would be more expensive due to power requirements which would need to be installed. No other buildings available on campus for this activity.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	270,000
Non-building costs	\$	
Architects fees	\$	18,900
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	288,900
Total for this request only	\$	
Cost/gross square footage	\$	7.59
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

Annual energy costs would increase during the summer months approximately \$2,500.

DEPARTMENT OF PUBLIC WELFARE

ST. PETER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Reroof Shantz Hall, Machine Shop and Laundry Buildings \$ 222,096
Priority #1

JUSTIFICATION: The roofs on these three buildings are in poor repair and need to be replaced.

DESCRIPTION: On the Shantz Hall and Laundry roofs we would have the contractor remove old surface and all old flashing and replace with new surface and flashing. On the Machine Shop roof contractor would remove old shingles, replace exterior plywood sheeting, felt, and new shingles.

ALTERNATIVES CONSIDERED: Our only alternative is to continue the upkeep and maintenance of existing buildings which are used for housing/programming/support services for our resident population.

ESTIMATED COSTS PREPARED BY: Department of Public Welfare Building Maintenance Advisor

Land acquisition	\$	
Construction	\$	222,096
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	222,096
Total for this request only	\$	222,096
Cost/gross square footage	\$	
Cost/assignable square footage	\$	3.64

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

ST. PETER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Remodeling to resident buildings. Priority #2 \$ 343,830

JUSTIFICATION: To improve buildings used to house our patient/resident population to make these areas more comfortable and homelike.

DESCRIPTION: Improve the ventilation/air filtration system in Shantz, Pexton, and Bartlett Halls, change entrance doors, install hold-open devices and add awning to front of buildings, etc.

ALTERNATIVES CONSIDERED: Our only alternative is to continue the upkeep and maintenance of existing buildings which are used for housing/programming/support services for our resident population.

ESTIMATED COSTS PREPARED BY; St. Peter State Hospital staff with assistance from consulting architect.

Land acquisition	\$	
Construction	\$	321,336
Non-building costs	\$	
Architects fees	\$	22,494
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	343,830
Total for this request only	\$	343,830
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

ST. PETER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Life Safety Improvements Priority #4 \$ 401,577

JUSTIFICATION: Those Life Safety improvements that our Life Safety inspector has indicated as "high priority" needs.

DESCRIPTION: Items such as sprinkler system for O.T. area, smoke dampers in ventilating ducts, manual shut-down of fire alarm system, etc.

ALTERNATIVES CONSIDERED: Our only alternative is to continue the upkeep and maintenance of existing buildings which are used for housing/programming/support services for our resident population.

ESTIMATED COSTS PREPARED BY: St. Peter State Hospital staff with assistance from our consulting architect.

Land acquisition	\$	
Construction	\$	375,306
Non-building costs	\$	
Architects fees	\$	26,271
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	401,577
Total for this request only	\$	401,577
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

ST. PETER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Remodel to meet code compliance in Shantz Hall, Pexton Hall and Bartlett Hall. Priority #5 \$ 167,383

JUSTIFICATION: We continue to make modifications to our buildings that will bring us into compliance with Rules 34, 35, and 36 as well as other codes.

DESCRIPTION: Replace lockers with built-in wardrobes, remodel and equip decentralized dining areas, improve lights in hallways and bedrooms, remodel clothes/linen storage areas, replace window units, install security screens, etc.

ALTERNATIVES CONSIDERED: Our only alternative is to continue the upkeep and maintenance of existing buildings which are used for housing/programming/support services for our resident population.

ESTIMATED COSTS PREPARED BY: St. Peter State Hospital staff with assistance from consulting architect.

Land acquisition	\$	
Construction	\$	156,433
Non-building costs	\$	
Architects fees	\$	10,950
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	167,383
Total for this request only	\$	167,383
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

ST. PETER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Remodel to meet codes in Shantz Hall, Pexton Hall, \$ 115,592
Bartlett Hall, Administration Building, Service Building,
and Tomlinson Hall.

JUSTIFICATION: We make an ongoing effort to keep our buildings acceptable
to meet various codes and standards. The funds requested in this priority
would be utilized to remodel in accordance with those codes and standards.

DESCRIPTION: Such things as replace unit entrance doors with single door
with hold open, remodel and equip decentralized dining areas, modify
bedroom locks, install bathroom cabinets, partition doors, etc.

ALTERNATIVES CONSIDERED: Our only alternative is to continue the upkeep and
maintenance of existing buildings which are used for housing/programming/
support services for our resident population.

ESTIMATED COSTS PREPARED BY: St. Peter State Hospital staff with
assistance from our consulting architect.

Land acquisition	\$	
Construction	\$	108,030
Non-building costs	\$	
Architects fees	\$	7,562
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	115,592
Total for this request only	\$	115,592
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

ST. PETER STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Remodel to meet codes in Johnson Hall and Phelps Hall \$ 142,254
Priority #10

JUSTIFICATION: We've been cited by the Joint Commission for Accreditation of Hospitals to make specific improvements to these buildings to make them more acceptable as resident living and program areas.

DESCRIPTION: Improve ventilation, communications and correct structural damages throughout buildings as recommended by JCAH.

ALTERNATIVES CONSIDERED: Our only alternative is to continue the upkeep and maintenance of existing buildings which are used for house/programming/support services for our resident population.

ESTIMATED COSTS PREPARED BY: St. Peter State Hospital staff with assistance from our consulting architect.

Land acquisition	\$	
Construction	\$	132,948
Non-building costs	\$	
Architects fees	\$	9,306
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	142,254
Total for this request only	\$	142,254
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

WILLMAR STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Completion of Life Safety requirements to comply with the 1973 code other than fire escapes. \$ 166,920

JUSTIFICATION: We are very close to complying in this area except for the difference between the 1967 and 1973 code which has been adopted. Therefore, with a minimum amount of money this project can be completed.

DESCRIPTION: Includes completing the detection in MTC, installing pull stations at each exit in the Administration Building, installing fire dampers in Cottage 1, sprinkling basement storerooms in the Administration Building and Building 1 and partitioning the large dayrooms in four buildings.

ALTERNATIVES CONSIDERED:

None

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	156,000
Non-building costs	\$	
Architects fees	\$	10,920
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	166,920
Total for this request only	\$	166,920
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

WILLMAR STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Repair roofs on Service Building, Cottage 1, Pump House #5, and porches on all cottages. \$ 243,903

JUSTIFICATION: Some of these roofs have been on the buildings since 1950 and have been repaired by the Maintenance Department many times but have deteriorated to the point that they need major repairs to protect the buildings and insulation.

DESCRIPTION: Repairs to build up roof. Contractor to prepare roof by removing gravel, repair bad spots and install a mat of membrane and cover with hot tar and gravel. Total square footage - 67,000 sq. ft.

ALTERNATIVES CONSIDERED: If these repairs aren't made in the very near future, the insulation will be destroyed and consequently, will also need replacing at a much larger figure than the \$243,903.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	243,903
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	243,903
Total for this request only	\$	243,903
Cost/gross square footage \$3.64		
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

DEPARTMENT OF PUBLIC WELFARE

WILLMAR STATE HOSPITAL

INSTITUTION DETAIL

REQUEST: Repair the interior ceilings in the large freezers \$ 14,400
in the Service Building

JUSTIFICATION: These freezers were constructed in 1957 and have been temporarily repaired many times by the Maintenance Department, but the plastering keeps falling down. We are recommending that a new ceiling be installed to protect the insulation and the rest of the building.

DESCRIPTION: We recommend that a new metal-type ceiling be installed to replace the plaster which continually comes loose and falls off.

ALTERNATIVES CONSIDERED: It is impossible to keep plastering and patching this ceiling as it is impossible to turn off the freezers, and if it is not repaired very soon the insulation will be ruined, and consequently the cost will be enormous.

ESTIMATED COSTS PREPARED BY:

Land acquisition	\$	
Construction	\$	14,400
Non-building costs	\$	
Architects fees	\$	
Equipment	\$	
Site work	\$	
Other	\$	
Total project cost	\$	14,400
Total for this request only	\$	14,400
Cost/gross square footage	\$	
Cost/assignable square footage	\$	

SPACE RELEASED:

None

CHANGE IN ANNUAL OPERATING COST:

None

I-38

P.....	Program (Present Effort)
SD.....	Schematic Design (Present Effort)
DD.....	Design Development (Present Effort)
WD.....	Working Drawings (Present Effort)
(1-15-79).....	Estimated Bid Date
1-15-78.....	Actual Bid Date
UC.....	Under Construction
(8-15-79).....	Estimated Substantial Completion
8-15-78.....	Actual Substantial Completion Date
OS.....	On Schedule -Y (yes) -N (no)

DIVISION OF ARCHITECTURE AND ENGINEERING
PROJECT STATUS REPORT

LAWS OF 1976 - CHAPTER 347

December 31, 1978

CITATION AND PROJECT	ALLOCATION	CONSULTANT	P	SD	DD	WD	BID	UC	SUB	COMP	OS	REMARKS
SECTION 7-PUBLIC WELFARE	940,750											
Subd 2: Plant Reprs & Renvtns:												
Anoka Hospital	262,000	Horty Elving	X	X	X	X	102778	X	082978	Y		complete
Brainerd Hospital	58,000	Rafferty-Rafferty	X	X	X	X	083177	X	110278	N		strikes & unforeseen condition
Cambridge Hospital	130,000	Robert Hanson	X	X	X	X	020278	X	122578	Y		
Faribault Hospital	15,000	David T. Runyon	X	X	X	X	090177	X	111578	Y		
Fergus Falls Hospital	25,000	Roger Keiser	X	X	X	X	090977	X	092678	Y		
Moose Lake Hospital	15,000	Gordon Metcalf	X	X	X	X	121477	X	012679	Y		
Rochester Hospital	148,000	Spaulding Eng	X	X	X	X	082677	X	113078	Y		
St. Peter Hospital	42,750	A E I Design	X	X	X	X	062878	X	090678	Y		
Ah-Gwah-Ching Home	140,000	Bass Associates	X	X	X	X	122277	X	112078	Y		
Braille School-remod	55,000	A J Berreau	X	X	X	X	090877	X	100178	Y		complete
Subd 4: Demol Ivy Bldg-FSH	50,000	in house	X	X	X	X	072078	X	111278	Y		

DIVISION OF ARCHITECTURE AND ENGINEERING
PROJECT STATUS REPORT

LAWS OF 1976 - CHAPTER 348

December 31, 1978

CITATION AND PROJECT	ALLOCATION	CONSULTANT	P	SD	DD	WD	BID	UC	SUB COMP	OS	REMARKS
SECTION 7-PUBLIC WELFARE	12,843,620										
Subd 2: Constr New Bldgs:											
a. Willmar Hospital	2,000,000	Hammel/Green	X	X	X	X	100677	X	042579	Y	
b. Anoka Hospital	1,500,000	Close Assoc	X	X	X	X	011579			Y	
Subd 3: Life Safety:											
Anoka Hospital	350,000	Horty Elving	X	X	X	X	102778	X	082978	Y	complete
Brainerd Hospital	400,000	Rafferty Rafferty	X	X	X	X	083177	X	110278	N	strikes & unforeseen conditions
Cambridge Hospital	850,000	Robert Hanson	X	X	X	X	020278	X	122578	Y	
Faribault Hospital	659,620	David T. Runyon	X	X	X	X	090177	X	111578	Y	
Faribault Hospital	340,000	A J Berreau	X	X	X	X	022477	X	070078	Y	complete
Fergus Falls Hospital	600,000	Roger Keiser	X	X	X	X	090977	X	092678	Y	
Moose Lake Hospital	730,000	Gordon Metcalf	X	X	X	X	121477	X	012679	Y	
Rochester Hospital	634,000	Spaulding Eng'r	X	X	X	X	082677	X	113078	Y	
St. Peter Hospital	430,000	A E I Design	X	X	X	X	062877	X	090678	Y	
Ah-Gwah-Ching Home	153,000	Bass Assoc	X	X	X	X	122277	X	112078	Y	
Subd 4: Remod & Renovt:											
Anoka Hospital	150,000	Horty Elving	X	X	X	X	102777	X	082978	Y	complete
Brainerd Hospital	1,245,000	Rafferty Rafferty	X	X	X	X	083177	X	110278	N	strikes & unforeseen conditions
Cambridge Hospital	590,000	Robert Hanson	X	X	X	X	020278	X	122578	Y	
Faribault Hospital	355,180	David T. Runyon	X	X	X	X	090177	X	111578	Y	
Faribault Hospital	294,820	A J Berreau	X	X	X	X	092477	X	070078	Y	complete
Fergus Falls Hospital	200,000	Roger Keiser	X	X	X	X	090977	X	092678	Y	
Moose Lake Hospital	85,000	Gordon Metcalf	X	X	X	X	121477	X	012679	Y	
Rochester Hospital	150,000	Spaulding Eng'r	X	X	X	X	082677	X	113078	Y	
St. Peter Hospital	185,000	A E I Design	X	X	X	X	062877	X	090678	Y	
Ah-Gwah-Ching Home	160,000	Bass Assoc	X	X	X	X	122277	X	112078	Y	
Subd 5: Air Conditioning:											
Brainerd Hospital	42,000	Rafferty Rafferty	X	X	X	X	083177	X	110278	N	strickes & unforeseen conditions
Cambridge Hospital	125,000	Robert Hanson	X	X	X	X	020278	X	122578	Y	
Faribault Hospital	250,000	David T. Runyon	X	X	X	X	090177	X	111578	Y	
Fergus Falls Hospital	70,000	Roger Keiser	X	X	X	X	090977	X	092678	Y	
Moose Lake Hospital	40,000	Gordon Metcalf	X	X	X	X	121477	X	012679	Y	
Rochester Hospital	185,000	Spaulding Eng'r	X	X	X	X	082677	X	113078	Y	
St. Peter Hospital	70,000	A E I Design	X	X	X	X	062877	X	090678	Y	

DIVISION OF ARCHITECTURE AND ENGINEERING
PROJECT STATUS REPORT

LAWS OF 1978 - CHAPTER 791

December 31, 1978

CITATION AND PROJECT	ALLOCATION	CONSULTANT	P	SD	DD	WD	BID	UC	SUB COMP	OS	REMARKS
SECTION 10-PUBLIC WELFARE	732,000										
a) Furniture	350,000	in house by DPW	-	-	-	-	n/a				purchase through Procurement purchase through Procurement
b) Carpeting	132,000	in house by DPW	-	-	-	-	n/a				
d) ASH-new construction	150,000	Close Assoc	X	X	X	X	(011579)				
ASH-demolition Burns Bldg.	100,000	in house	X	X	X	X	120778				
LAWS OF 1978 - CHAPTER 792											
SECTION 15-PUBLIC WELFARE	16,850,000										
a) St. Peter Security Hospital	8,700,000	Hammel-Green	X	X	X						
b) Life Safety:	2,000,000										
ASH-Miller Bldg	140,000	Horty-Elving Assoc	X	X	X	X	051878	X	030879	Y	
Brainerd Hospital	51,000	Rafferty Rafferty	X	X	X	X	(041579)				
CSH-Cttds 3,4,5,9,12& Delwd	204,000	Robert Hanson	X	X	X	X	(021579)				
FSH-Mohawk Cottage	138,000	David T. Runyon	X	X	X	X	(031579)				
FSH-Seneca Cottage	94,000	A J Berreau	X	X	X	X	(022879)				
Fergus Falls Hospital	324,000	Roger Keiser	X	X	X	X	(013079)				
MLSH-Cottage 10	120,000	Gordon Metcalf	X	X	X	X	(030579)				
Rochester Hospital	377,000	Spaulding Eng'r	X	X	X	X	(012579)				
St. Peter Hospital	100,000	A E I Design	X	X	X	X	(033079)				
Willmar Hospital	70,000	Armstrong Torseth	X	X	X	X	(021579)				
Ah Gwah Ching Nursing Home	209,000	Bass Assoc	X	X	X	X	092878	X	(070179)	Y	
Oak Terrace Home	172,500	in house	X				(030179)				
c) Remod & Renovt:	2,700,000										
Anoka Hospital	65,000	Horty Elving	X	X	X	X	051878	X	030879	Y	
Brainerd Hospital	615,000	Rafferty Rafferty	X	X	X	X	(041579)				
CHS-Bldg 8 & Infirmary	575,000	Robert Hanson	X	X	X	X	(021579)				
FSH-Mohawk Cottage	258,500	David T. Runyon	X	X	X	X	(031579)	X			
FSH-Seneca Cottage	176,500	A J Berreau	X	X	X	X	(022879)				

CITATION AND PROJECT	ALLOCATION	CONSULTANT	P	SD	DD	WD	BID	UC	SUB	COMP	OS	REMARKS
PUBLIC WELFARE:												
Ah-Gwah-Ching Home	32,000	Bass Assoc	X									
Anoka State Hospital	92,600	Horty-Elving	X									
Brainerd Hospital	40,000	Rafferty-Rafferty	X									
Cambridge Hospital	163,500	Robert Hanson	X									
Faribault Hospital	222,250	Runyon & Assoc	X									
Fergus Falls Hospital	125,000	Roger Keiser	X									
Moose Lake Hospital	130,000	Gordon Metcalf	X									
Oak Terrace Hospital	105,095	Centrum Architects	X									
Rochester Hospital	65,000	Spaulding Eng'r	X									
St. Peter Hospital	150,000	A E I Design	X									
Willmar State Hospital	150,000	Armstrong-Torseth	X									

DIVISION OF ARCHITECTURE AND ENGINEERING
PROJECT STATUS REPORT

F.Y. 1979 - MISCELLANEOUS PROJECTS

December 31, 1978

CITATION AND PROJECT	ALLOCATION	CONSULTANT	P	SD	DD	WD	BID	UC	SUB	COMP	OS	REMARKS
AGENCY-PUBLIC WELFARE	2,056,729											
GCH-Boiler Plant Renvtns I	190,000	O S M	X	X	X	X	102077	X	021778	Y		complete
GCH-Boiler Plant Renovation II	245,000	O S M	X	X	X	X	081578	X	070178	Y		
GCH-Beautification Projects	26,969	in house	X	X	X	X	n/a	-	070178	Y		drawings & est only=complete
ASH-Miller Bldg Entrance Remod	10,000	in house	X	X	X	X	041578	X	081578	Y		complete
ASH-Replace Damaged Generator	15,000	in house										
ASH-New Kitchen Cabinet (steel)	17,000	in house	X	X	X	X	062978	X	031979	Y		
ASH-Chimney Repair	7,000	in house	X	X	X	X	062878	X	092978	Y		
ASH-Boiler Controls	8,000	in house	X									abandoned short of funds
ASH-Retaining Wall	13,000	in house	X	X	X	X	060278	X	080178	Y		complete
ASH-Repair Generator	12,000	in house	X	X	X		111578			Y		emergency funding
ASH-Beautification Projects	54,000	Ted Harris	X	X	X		n/a	-	(051579)	Y		drawings & estimate only
BSH-Oil Storage Tank	50,000	in house	X	X	X	X	081778	X	120178	Y		
BSH-Oil Recovery	12,000	in house	X	X	X	X	041578	X	070078	Y		complete
BSH-Beautification Projects	60,825	in house	X	X	X	X	n/a	-	070178	Y		drawings & est only=complete
CSH-Sewage Lift Station	24,000	in house	X	X	X	X	081778	X	102578	Y		
CSH-Attic Insulation-Bldg	8,000	in house	X	X	X	X	060178	X	090178	Y		complete
CSH-Smoke Stack Inspection	1,800	in house	X	X	X	X	092078	X	011079	Y		complete
CSH-Smoke Sack Renovation		in house	X									
CSH-Beautification Projects	50,456	in house	X	X	X	X	n/a	-	070178	Y		drawings & est only=complete
FSH-Demolition Ivy Bldg.	38,810	in house	X	X	X	X	072678	X	111278	Y		
FSH-New Conduit & Steam Lines	34,883	in house	X	X	X	X	091578	X	(010179)	Y		awarded
FSH-Beautification Projects	63,346	Hemming	X	X			n/a	-				drawings & est only=complete
DEAF: Reroof Service Bldg Gar	3,850	in house	X	X	X	X	112078		(123078)			award problems
FFSH-Remodel Store Elevator	49,711	in house	X	X	X	X	063078	X	121378			
FFSH-Beautification Projects	26,000	in house	X	X	X	X	n/a	-	070178	Y		drawings & est only=complete

DIVISION OF ARCHITECTURE AND ENGINEERING
PROJECT STATUS REPORT

F.Y. 1979 - MISCELLANEOUS PROJECTS

December 31, 1978

CITATION AND PROJECT	ALLOCATION	CONSULTANT	P	SD	DD	WD	BID	UC	SUB COMP	OS	REMARKS
AGENCY-PUBLIC WELFARE (cont)											
MLSH-Roof Cottage 8 & Mnt Bldg	115,000	in house	X	X	X	X	092078	X	060879	Y	
MLSH-Decorating Plan	5,000	in house	X	X	X	X	090678		121478		
MLSH-Smokestack Demolition	12,000	in house	X	X	X	X	090678		121478		
MLSH-Paint Water Tower	20,000	in house	X	X	X	X	090678		(050179)		hold til Spring 1979
MLSH-Beautification Projects	67,094	in house	X	X	X	X	n/a	-	080178	Y	drawings & est only=complete
OTNH-Re=roofing	50,000	in house	X	X	X	X	072878		041079	Y	
OTNH-Beautification Projects	25,000	in house	X	X	X	X	n/a	-	070178	Y	drawings & est only=complete
RSH-Obsrvtn Rm Remod P S 3 Bld	34,000	Peiper-Richmond	X	X	X	X	020978	X		N	material delivery delays
RSH- Re=roof P S - 1	9,000	in=house	X	X	X	X	080378	X	110478	N	material delivery delays
RSH-Water Well	9,000	in house	X	X	X	X	010578	X			awaiting supplemental work
RSH-Generator Installation	125,000	in house	X	X	X	X	022578	X			awaiting removal exit
RSH-Sidewalk Repair	30,000	in house	X	X	X	X	101278	X	103078		
RSH-Repair & Modernize Switbd	65,000	Pfeifer-Schultz	X								
RSH-Beautification Projects	45,500	Howe-Hagedorn	X	X			n/a				drawings & est only
RSH-Maint Bldg Demolition		in house	X								
SPSH-Tckpt Old Main, Johnson H	50,000	in house	X	X	X	X	090178	X	(050179)		
SPSH-Shantz H & Security Remd	150,000	A E I Design	X	X	X	X	011978	X	070078	Y	complete
SPSH-Attic Insulation=Bldgs	6,000	in house	X	X	X	X	060178	X	090178	Y	
SPSH-Attic Ventilation=Bldgs	5,000	in house	X	X	X	X	060178	X	090178	Y	
SPSH-Replace damaged cable	13,000	A E I Design	X	X	X		(010179)			Y	emergency funding
SPSH-Sunrise Bldg-New Rf Drain	4,200	in house	X	X	X	X	093178				
SPSH-Beautification Projects	105,150	in house	X	X	X	X	n/a	-	(020179)	Y	drawings & est only
SPSH-Bldg 30 Demolition		in house	X								
WSH-Emergency Power	21,000	in house	X	X	X	X	022878	X	111678	N	complete
WSH-Beautification Projects	69,135	in house	X	X	X	X	n/a	-	(020179)	Y	drawings & est only

VETERANS AFFAIRS
VETERANS HOME - HASTINGS
INSTITUTION DETAIL

REQUEST: This request is to demolish Buildings # 1, 2 \$100,000
& 4 on the campus of the Minnesota Veterans
Home - Hastings.

JUSTIFICATION: A review of these buildings has been made by
the State Architects Office per our request and the depart-
ment has been informed that the cost to remodel these build-
ings for use as care buildings is not feasible. The condi-
tion of the buildings is such that expenditure of additional
state funds would be unwise.

DESCRIPTION: The funding would be used to remove the
buildings from the site and would provide for the appropri-
ate landscaping.

ALTERNATIVES CONSIDERED: The alternatives are primarily
two fold:

- 1.) Continue to heat the buildings at state expense.
- 2.) Sever utility service and the buildings will
deteriorate rapidly.

ESTIMATED COSTS PREPARED BY: State Architects Office*

Land acquisition	\$
Construction	\$
Non-building costs	\$
Architects fees	\$
Equipment	\$
Site work	\$
Other Demolishment/limited landscaping	\$100,000
Total project cost	\$100,000
Total for this request only	\$100,000
Cost/gross square footage	
Cost/assignable square footage	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: The demolition would
result in the reduction of utilities/heat to these buildings
however, actual cost cannot be determined at the present time.

*See attached letter

VETERANS AFFAIRS
VETERANS HOME - MINNEAPOLIS
INSTITUTION DETAIL

REQUEST: Equipment - Nursing facility \$192,500

JUSTIFICATION: The estimated allocation for equipment in the original appropriation has essentially been eliminated due to increased fees and inflationary costs.

DESCRIPTION: A breakdown of equipment needed and the estimated costs is attached.

ALTERNATIVES CONSIDERED: Use existing equipment - this does not appear to be feasible in as much as the existing nursing building does not have sufficient equipment to furnish the 250 bed facility.

ESTIMATED COSTS PREPARED BY: Architects

Land acquisition	\$
Construction	\$
Non-building costs	\$
Architects fees	\$ 30,000
Equipment	\$495,000
Site work	\$
Other Contingency (5%)	\$ 25,000

Total project cost	<u>\$550,000</u>
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Total for this request only - State share (35%)	\$192,500
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AGENCY NAME

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Veterans Home - Minneapolis	a. 2 Elevators Bldg #9 b. Remodeling Bldg #6 c. Auditorium elevator	<u>State Share</u> \$100,000 (1973)		a. 2 Elevator completed b. Completed c. Insufficient funds to complete project	
Veterans Home - Minneapolis	a. Nursing facility b. Fire protection, remodeling c. Call system	<u>State Share</u> \$1,925,000 66,150 40,000 Total: \$2,031,150 (1978)	a. May 10, 1978 b. Sept 15, 1978 c. Staff - instal- led	a. 10% b. 50% c. Completed	a. April 1980 b. Mar. 15-78 c. Completed July, 1978
Veterans Home - Minneapolis	a. Supplemental Nursing Bldg. b. Walkway c. Boiler Replace. d. Voltage System e. Utility tunnel f. Sewer lift station	<u>State Share</u> \$267,750 52,500 457,800 64,750 118,650 22,650 Total: \$984,100 (1978)	a. May 10, 1978 b. None c. None d. None e. None f. None	a. b. planning c. planning d. planning e. planning f. planning	a. April 1980 b. Jan. 1981 c. Jan. 1981 d. Jan. 1981 e. Jan. 1981 f. Jan. 1981
Veterans Home - Hastings	Remodeling - Life/Safety	\$688,870 (1978)	None	Planning	Jan. 1981

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 1

REQUEST: Life Safety Modifications to Meet the Fire Code in Capitol Square Building

DESCRIPTION & JUSTIFICATION: Complete inspection of the building by the state and city fire marshals has resulted in an order to have the building and its occupants protected by a complete sprinkler system. Several fire hazards would be overcome by such an installation. In addition, lighted fire exit signs have been ordered to be installed in several corridor areas on each floor. Funds are requested to accomplish this work as soon as possible.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 270,000	\$ 270,000
Non-Building Costs		
Architect's Fees	27,216	30,482
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation-12%/year)	32,400	68,688
Contingency	<u>30,240</u>	<u>33,869</u>
Total Project Cost	\$ 359,856	\$ 403,039
 Total for this Request Only	 \$ 360,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 2

REQUEST: Replace Six Non-Load Break Switches

DESCRIPTION & JUSTIFICATION: Replace six non-loadbreak, 5,000 volt electrical switches in the Capitol Complex with six loadbreak, 15,000 volt switches. The existing switches are hazardous to operate and represent a serious weak link in the Capitol Complex electric distribution system.

The general power outage that occurred a few months ago would have been prevented from spreading beyond one building had a switch of this type been installed in the building that was first affected.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 48,000	\$ 48,000
Non-Building Costs		
Architect's Fees	4,838	5,419
Equipment		
Site Work		
Other (inflation @ 12%/year)	5,760	12,211
Contingency	<u>5,376</u>	<u>6,021</u>
Total Project Cost	\$ 63,974	\$ 71,651
 Total for this Request Only	 \$ 64,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 3

REQUEST: Repair and Improve Capitol Roof System

DESCRIPTION & JUSTIFICATION: Funds are requested to repair and replace sections of the existing built-up roof which is causing leakage and subsequent damage to the finished ceilings below. New interior painting work will be completed in the spring of 1979 and it is therefore considered imperative that this work take place as soon as possible.

In addition, it is proposed that the remaining uncovered skylights be enclosed with plexiglas covers to prevent condensation and that considerable repair work be done on metal flashing and gutters.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 130,000	\$ 130,000
Non-Building Costs		
Architect's Fees	13,104	14,676
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	21,357	45,277
Contingency	<u>14,560</u>	<u>16,307</u>
Total Project Cost	\$ 173,264	\$ 194,056
 Total for this Request Only	 \$ 173,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 4

REQUEST: Repair Administration Building Parking Ramp and Plaza

DESCRIPTION & JUSTIFICATION: Funds are requested to perform significant repair work on the surfaces of this structure. The concrete surfaces are deteriorating badly. Spalling is quite evident and joints between structural joists are cracked, allowing water to collect and freeze. This has accelerated surface deterioration and some amount of bearing ledge deterioration. It is considered urgent that proper repairs are made as soon as possible.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 349,100	\$ 349,100
Non-Building Costs		
Architect's Fees	31,560	35,348
Equipment		
Site Work		
Other (inflation @ 12%/year)	41,892	88,811
Contingency	<u>39,448</u>	<u>44,517</u>
Total Project Cost	\$ 462,000	\$ 517,776
 Total for this Request Only	 \$ 462,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION
CAPITOL COMPLEX

ITEM NO. 5

REQUEST: Reroute Steam Line to Veteran's Service Building

DESCRIPTION & JUSTIFICATION: The existing steam line passes from the power plant through the Historical Building to the center of the median strip on Cedar Street to Columbus Avenue and then to the Veteran's Service Building. The installation dates from the original construction of the building. The piping passes through a pipe chase located underground which results in considerable difficulty in servicing the lines when problems arise. Because of the age of the system and its inaccessibility for service, the probabilities of costly breakdown are greater as each year passes. The most feasible and economic solution involves routing the steam service from available piping at the State Office Building through the existing tunnel system to the Veteran's Service Building. The advantage of this approach consists of the potential for early diagnosis of pipe failure or malfunction. Being readily accessible, repair costs would involve labor and materials directly needed to correct the problem and not include costly excavation. In addition, some heat would be added to an otherwise unheated portion of the tunnel system.

Recently, the condensate return line sustained an underground leak and was abandoned. A new line was installed in the tunnel system. Since condensate can be wasted to the sewer if necessary and the building continue to function, it is not quite as critical as the steam line situation. Therefore, funds are requested for the completion of this conversion.

ALTERNATIVES CONSIDERED: A new direct buried line could be installed. This would be more costly and still not provide for easy inspection and future repair.

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 100,000	\$ 100,000
Non-Building Costs		
Architect's Fees	10,080	11,290
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	12,000	25,440
Contingency	<u>11,200</u>	<u>12,544</u>
Total Project Cost	\$ 133,280	\$ 149,274
Total for this Request Only	\$ 133,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 6

REQUEST: Reroof Ceremonial House and Carriage House

DESCRIPTION & JUSTIFICATION: This request is for a new slate roof for the main house itself. Slate that is removed and is still sound will then be used to repair the roof of the carriage house. This is necessary because new tile will not match the original tile installation.

Leaks have occurred in both buildings and have necessitated almost constant plaster repairs in several areas.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 70,000	\$ 70,000
Non-Building Costs		
Architect's Fees	7,056	7,903
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	8,400	17,808
Contingency	<u>7,840</u>	<u>8,781</u>
Total Project Cost	\$ 93,296	\$ 104,492
 Total for this Request Only	 \$ 93,300	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 7

REQUEST: Replace Deareator/Feedwater Heater and Piping in Power Plant

DESCRIPTION & JUSTIFICATION: This request is to replace equipment originally installed in 1954 and which has reached the end of its economic life. Its purposes are to preheat and remove oxygen from the water before it enters the boiler system, to prevent corrosion.

Loss of the unit would damage the boiler system and could require a shutdown of the entire plant for emergency repairs during a period of high steam demand.

ALTERNATIVES CONSIDERED: The only alternative of operating the equipment until failure is not considered an acceptable option due to the risk of plant shut-down during cold weather.

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 50,000	\$ 50,000
Non-Building Costs		
Architect's Fees	5,040	5,645
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	6,000	12,720
Contingency	<u>5,600</u>	<u>6,272</u>
Total Project Cost	\$ 66,640	\$ 74,637
 Total for this Request Only	 \$ 66,600	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 8

REQUEST: Reroof Transportation Building

DESCRIPTION & JUSTIFICATION: The original roof of this building is now 24 years old and well past the expected life of a built-up roof. Leaks are becoming more frequent as time goes on, especially at the south end of the building. A new roof would be built to energy code requirements and could be expected to save about \$4,000 per year in energy costs.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 177,976	\$ 177,976
Non-Building Costs		
Architect's Fees	17,940	20,093
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	21,357	45,277
Contingency	<u>19,933</u>	<u>22,325</u>
Total Project Cost	\$ 237,206	\$ 265,671
 Total for this Request Only	 \$ 237,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Energy savings estimated @ \$4,000/year.

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 9

REQUEST: General Purpose Remodeling Funds

DESCRIPTION & JUSTIFICATION: This request is to accomplish necessary and unanticipated remodeling in the Capitol Complex, 1246 University Avenue, and the Health Building. The agencies in the Capitol Complex undergo changes in program necessitating related changes in physical arrangements to reflect new functional relationships and requirements for efficient operation. It is not possible to predict in advance all the moving or remodeling needed to accommodate these changes.

ALTERNATIVES CONSIDERED: The only alternative would be to request specific appropriations for each project. Experience has shown this to be impossible to predict accurately enough in advance and therefore long delays would result before desired work could be accomplished.

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	N/A	
Non-Building Costs	N/A	
Architect's Fees	N/A	
Equipment	N/A	
Site Work	N/A	
Other	N/A	
Contingency	<u>N/A</u>	<u></u>
Total Project Cost	\$ 300,000	\$ 300,000
 Total for this Request Only	 \$ 300,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: N/A

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 10

REQUEST: Additional Paving, Lighting, and Landscaping for Parking Lots Q and V

DESCRIPTION & JUSTIFICATION: The 1978 Legislature appropriated \$140,000 for paving parking lot Q for public use and for grading lot V for employee parking. The funds now being requested would complete the paving of lot V, provide security lighting for both lots, and landscape the entire area in accordance with the plans of the Capitol Area Architectural & Planning Board. It would also provide a sprinkler system for maintaining the landscaped areas.

Parking lot Q is located on Cedar Street between Sherburne and Charles Avenues. Lot V is just north between Charles and Como.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 142,100	\$ 142,100
Non-Building Costs		
Architect's Fees	14,324	16,043
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	17,052	36,150
Contingency	<u>15,915</u>	<u>17,825</u>
Total Project Cost	\$ 189,391	\$ 212,118
 Total for this Request Only	 \$ 189,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM:NO. 11

REQUEST: Centennial and Transportation Building Ventilation and Air Conditioning

DESCRIPTION & JUSTIFICATION: Requested to clean and rebalance air handling systems in Transportation and Centennial Buildings to provide proper air distribution, eliminate air stratification and stale air conditions in several areas, and clean approximately 20 years' accumulation of dirt and dust from the system. Install unitary air conditioners in special use areas such as the key punch and materials testing areas in Centennial and the Motor Vehicle area in Transportation to provide controlled temperature conditions at night and on weekends when the main fan systems are shut down for energy conservation. Ventilation of the main transformer vault in Centennial is also proposed in order to increase transformer efficiency and prolong transformer and telephone equipment life.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 167,000	\$ 167,000
Non-Building Costs		
Architect's Fees	16,834	18,854
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	20,040	42,485
Contingency	<u>\$ 18,704</u>	<u>\$ 20,948</u>
Total Project Cost	\$ 222,578	\$ 249,287
 Total for this Request Only	 \$ 223,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 12

REQUEST: Remodel Ford Building Second Floor Storage to Offices

DESCRIPTION & JUSTIFICATION: The original program for remodeling the Ford Building contemplated using the second floor for storage for the printing operation and the law library. The critical shortage of office space in the Capitol Complex has dictated that this space be used for this purpose. The funds requested will provide for 11,500 net square feet of prime office space.

ALTERNATIVES CONSIDERED: The space could remain as storage space.

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 250,125	\$ 250,125
Non-Building Costs		
Architect's Fees	25,213	28,238
Equipment	N/A	N/A
Site Work		
Other (inflation @ 12%/year)	30,015	63,632
Contingency	<u>42,021</u>	<u>47,064</u>
Total Project Cost	\$ 347,374	\$ 389,058
 Total for this Request Only	 \$ 347,000	
Cost/Gross Square Footage	\$27.19	\$30.49
Cost/Assignable Square Footage	\$30.17	\$33.83

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 13

REQUEST: Cleaning and Repointing State Office and Historical Building Exteriors

DESCRIPTION & JUSTIFICATION: This request is for cleaning and repairing the exteriors of both buildings. Neither has received this treatment for many years and therefore the exteriors have darkened to a considerable extent and mortar joints are also in need of repair. The granite will be treated with a chemical cleaner and rinsed with water. It is estimated there will be some economy in doing both buildings simultaneously. The work is similar to what was done on the Capitol Building for the Bicentennial.

ALTERNATIVES CONSIDERED: To delay cleaning to some future date. In the case of the State Office Building, if remodeling work is done and new windows are installed, possible damage to those windows could occur if cleaning is done later. Protecting windows would increase costs.

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 220,000	\$ 220,000
Non-Building Costs		
Architect's Fees	22,176	24,837
Equipment	N/A	
Site Work	N/A	
Other (inflation @ 12%/year)	26,400	55,968
Contingency	<u>24,640</u>	<u>27,597</u>
Total Project Cost	\$ 293,216	\$ 328,402
 Total for this Request Only	 \$ 293,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 14

REQUEST: Additional Funds for Replacement of Capitol Dock and Outside Freight Elevator

DESCRIPTION & JUSTIFICATION: The 1973 Legislature appropriated \$80,000 for this work of which approximately \$1,000 was used for an architectural study.

This study indicated that to construct a dock and install a freight elevator, both of ample size and capacity for the foreseeable future while being of appropriate design to match the architecture of the building, will now require an expenditure of approximately \$216,000. Therefore, it is requested that an additional \$137,000 appropriation be made at this time.

The existing dock and elevator are apparently original Capitol construction and are quite inadequate for their present load. Delivery truck congestion is often severe and the small size of the elevator precludes many items that then must be brought in thru the public spaces. The age of the elevator machinery has occasioned many breakdowns in recent years.

ALTERNATIVES CONSIDERED:

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	
Construction	\$ 103,000	\$ 103,000
Non-Building Costs		
Architect's Fees	10,382	11,628
Equipment	N/A	
Site Work	N/A	
Other (inflation @ 12%/year)	12,360	26,203
Contingency	<u>11,536</u>	<u>12,920</u>
Total Project Cost	\$ 137,278	\$ 153,752
 Total for this Request Only	 \$ 137,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 15

REQUEST: Modernize and Improve Elevators in Transportation Building

DESCRIPTION & JUSTIFICATION: A study authorized by the 1978 Legislature and conducted by a consulting firm specializing in vertical transportation, pointed out that the existing elevator system is inadequate to fully meet the needs of the building. The consultants observed that although well maintained, existing equipment is nearing the end of its useful life due to obsolescence and should be modernized in the near future. In summary, the consultant's recommendations are as follows:

- A. Modernize elevators 1 thru 4
- B. Extend travel of elevators 3 and 4 to basement
- C. Install new elevator to serve all floors
- D. As an alternate to (C.) above, limit travel of existing elevators and install two shuttle elevators between basement and first floor.

Due to the extremely high costs involved, it is recommended that only (A.) and (B.) be done at this time. The consultant estimates that by so doing, a 10% to 15% improvement in overall service would result. The amount requested reflects this recommendation.

ALTERNATIVES CONSIDERED: Included in the description above.

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 415,600	\$ 415,600
Non-Building Costs		
Architect's Fees	41,832	46,852
Equipment	N/A	N/A
Site Work	N/A	N/A
Other	49,800	105,576
Contingency	<u>46,480</u>	<u>52,058</u>
Total Project Cost	\$ 553,112	\$ 619,485
Total for this Request Only	\$ 553,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 16

REQUEST: Capitol Complex Exterior Signage Completion

DESCRIPTION & JUSTIFICATION: These funds are requested for the second phase of a two part project to provide proper identification and direction to visitors to the Capitol Complex. The first phase, completed in 1978 at a cost of approximately \$25,000 provided for some directory and identification type signage in most key areas of the Complex. It is now proposed that the signage program be completed throughout the area. Signage design has followed the design approved by the Capitol Area Architectural & Planning Board some years ago.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 53,000	\$ 53,000
Non-Building Costs		
Architect's Fees	8,000	8,000
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	6,360	13,483
Contingency	<u>5,936</u>	<u>6,648</u>
Total Project Cost	\$ 73,296	\$ 81,132
 Total for this Request Only	 \$ 73,300	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 17

REQUEST: Replace Carpet in Governor's Reception Area

DESCRIPTION & JUSTIFICATION: This carpeting is now approximately eight years old. It is showing wear patterns that are becoming severe in certain areas due to extremely high traffic. It is recommended that this specially designed carpet be replaced because of the high visibility of these rooms to the general public.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 12,000	\$ 12,000
Non-Building Costs		
Architect's Fees	1,210	1,355
Equipment		
Site Work	N/A	N/A
Other (inflation @ 12%/year)	1,440	3,053
Contingency	<u>1,344</u>	<u>1,505</u>
Total Project Cost	\$ 15,994	\$ 17,913
 Total for this Request Only	 \$ 16,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: None

DEPARTMENT OF ADMINISTRATION

CAPITOL COMPLEX

ITEM NO. 18

REQUEST: Screening and Lighting of Parking Lots and Continued Grounds Improvements.

DESCRIPTION & JUSTIFICATION: This request is to provide adequate security lighting and vegetation screening for certain parking areas in the Capitol Complex and to continue the tree replacement program initiated by the 1978 Legislature. Specifically, parking lots C, R, and Z are planned for these improvements. The tree replacement program would be continued thru the mall area and various other areas on the periphery of the campus. All work will be done in accordance with the Capitol Area Architectural & Planning Board.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS BY THE COMMISSIONER OF ADMINISTRATION:

	<u>F.Y. 1980</u>	<u>F.Y. 1981</u>
Land Acquisition	N/A	N/A
Construction	\$ 118,000	\$ 118,000
Non-Building Costs		
Architect's Fees	11,894	13,322
Equipment	N/A	N/A
Site Work	N/A	N/A
Other (inflation @ 12%/year)	14,160	30,019
Contingency	<u>13,216</u>	<u>14,802</u>
Total Project Cost	\$ 157,270	\$ 176,143
 Total for this Request Only	 \$ 157,000	
Cost/Gross Square Footage	N/A	
Cost/Assignable Square Footage	N/A	

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF ADMINISTRATION

REQUEST: STATE OFFICE BUILDING REMODELING

DESCRIPTION AND JUSTIFICATION: The 1973 Legislature appropriated \$1,200,000 for "Preliminary plans and cost estimates for Capitol Building Annex". About \$90,000 of this appropriation was used to prepare a program of legislative space requirements as well as could be foreseen to 1990.

In late 1975 a joint committee of the House and Senate considering legislative space needs authorized the Department of Administration to retain consulting architects to evaluate the potential of the State Office Building for conversion to a legislative office building. The office requirements were as set forth in the legislative space program, and construction requirements included code compliance and modernization of the building.

A report was made to the State Departments Division of the House Appropriations Committee in February, 1978 on the possible arrangements for legislative offices in the State Office Building. The 1978 Legislature reappropriated the unencumbered balance (about \$500,000) remaining in the 1973 appropriation for plans for remodeling the State Office Building for legislative purposes.

While the plans are being developed, the architect and department staff have examined two possible methods of accomplishing the construction. One is to phase the construction so that parts of the building are undergoing remodeling while other parts are occupied. If construction begins in July, 1980 this will require a stoppage of work during the 1981 and 1982 legislative sessions, with completion prior to the 1983 session.

The other option is to make the entire building available for construction operations from July, 1980 to January, 1982. This procedure would result in an estimated construction cost saving of \$2,700,000.

Choosing this later path would necessitate alternative space to house the legislature during the intervening period. Suitable space in close proximity to the Capitol Building does not exist except in the state-owned Mechanic Arts High School.

It is suggested that this building be considered for this purpose. Preliminary investigation indicates that the school district could possibly vacate in time and that temporary use would be permitted without extensive remodeling for code compliance. Preparing the building for such use, including additional operating costs, would be approximately \$1,650,000.

Therefore, it appears that there would be a net saving of about \$1,050,000 from continuous construction.

Regardless of the method of construction operation selected, it is recommended that the 1979 Legislature appropriate an additional \$50,000 for architectural fees enabling continuous progress on working drawings for the project. This will permit all design work up to actual bidding to proceed without interruption and also allow construction funds to be provided by the 1980 Legislature.

In summary, the estimated total construction costs are as follows:

Continuous Construction

construction	\$13,420,000
contingency at 5%	671,000
fees	<u>913,000</u>
Total	\$15,004,000

Phased Construction

Phased construction will add approximately one year to the schedule:

15,004,000 x 0.12	\$ 1,800,000
additional contractor mobilization	300,000
additional construction oversight	200,000
internal office relocation	<u>400,000</u>
Total	\$ 2,700,000

Mechanic Arts Utilization \$ 1,650,000

Working Drawing Completion \$ 50,000

Total Request: \$16,704,000

DEPARTMENT OF ADMINISTRATION

REQUEST: HANDICAPPED ACCESS TO STATE-OWNED BUILDINGS

DESCRIPTION AND JUSTIFICATION: In accordance with State Legislative mandate and with the Federal Rehabilitation Act of 1973, Departments operating State-owned buildings have submitted transition plans and funding requests to the Department of Administration for providing access to handicapped persons.

To date, nine Departments have received allocations totaling \$4,585,000.00 from Legislative appropriations made in 1976, 1977 and 1978.

Of these nine, seven Departments require additional funding for handicapped access projects in the amount of \$7,577,361.00. They include: Economic Security, Public Welfare, Transportation, Natural Resources, Education, Community College Board and State University System. Remodeling projects planned include exterior site modifications such as parking spaces, picnic, camping and hiking areas, parks, and roadside rest areas, curb cuts and ramps to building entrances. They also include, building entrances, and corridors, stair railings, elevators, interior ramps, restrooms, and lowering of water fountains and public telephones. Other modifications involve gymnasium facilities, institutional cottages and employee residences.

Total Requested: \$7,577,000

Agencies and InstitutionsFY 1980 Estimated CostDepartment of Education

Area Vocational Technical Institutes

Anoka	\$ 14,300
Faribault	69,960
Hutchinson	6,600
White Bear Lake	5,636
Red Wing	55,000
St. Cloud	11,000
St. Paul	35,904
Willmar	117,700
TOTAL	<u>\$316,100</u>

Community College System

Austin	26,840
Brainerd	11,407
Fergus Falls	5,368
Northland (Thief River Falls)	11,407
Rainy River (International Falls)	4,928
Vermillion (Ely)	10,065
Worthington	23,015
TOTAL	<u>\$ 93,030</u>

Department of Public Welfare

Willmar	80,000
Ah-Gwah-Ching (Walker)	46,000
Fergus Falls	264,000
Brainerd	178,200
Cambridge	669,800
Rochester	175,000
Anoka	177,000
Moose Lake	180,000
St. Peter	458,600
Oak Terrace (Minnetonka)	90,000
Faribault	576,000
TOTAL	<u>\$2,894,400</u>

Department of Economic Security

St. Paul Employment Center	\$ 2,751
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Department of Natural Resources

Statewide Park Sites, Buildings and Facilities	\$2,900,000
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Agencies and InstitutionsFY 1980 Estimated CostDepartment of Transportation

Arden Hills Training Center	\$ 91,617
Interstate Information Centers	15,576
Interstate Rest Areas	39,387
Drivers Exam Stations	25,278
District Headquarters	47,573
U.S. Highway Rest Areas	30,607
TOTAL	<u>\$ 250,038</u>

State University System

Bemidji	\$ 62,832
Mankato	54,054
Moorhead	459,166
St. Cloud	89,516
Winona	257,031
Southwest (Marshall)	198,443
TOTAL	<u>\$1,121,042</u>

Total: \$7,577,361

Total Requested: \$7,577,000

DEPARTMENT OF ADMINISTRATION

REQUEST: CONTINUATION OF ENERGY CONSERVATION SURVEYS

DESCRIPTION AND JUSTIFICATION: A law enacted by the 1976 Legislature required the Department of Administration begin surveying all state buildings to determine what changes could be made that would reduce their use by energy.

Of the approximately 3,200 total buildings, 1,880 contain some form of heating system. Of this latter group, about 454 are 25,000 square feet in size or larger or have other important characteristics that warrant an energy survey. Since these larger buildings represent a greater potential for energy savings, we are now concentrating our efforts on them. To date 264 of the 454 have been surveyed including many smaller buildings, during which time the survey system was developed and field tested.

The funds requested would complete the surveys of these larger buildings.

Total Requested: \$285,000

DEPARTMENT OF ADMINISTRATION

REQUEST: ENERGY CONSERVATION RETROFIT

DESCRIPTION AND JUSTIFICATION: Laws of 1976 required the surveying of State buildings to determine what changes could be made to reduce the consumption of all forms of energy.

The results of the first group of surveys was reported to the 1978 Legislature, which chose to appropriate funds for accomplishing those projects having a five year or less payback period. The amount appropriated was \$2,635,100.

Since that time a second group of 97 buildings has been surveyed, and the results of these surveys are summarized on the following three tables. As before, we have grouped those items into payback periods of different lengths to facilitate discussion of appropriate funding levels.

Table 1 - shows basic construction costs in present dollars.

Table 2 - includes the above plus fees, contingency and one year's inflation at 12%. This represents accomplishment during FY 80.

Table 3 - includes the above plus an additional year's inflation if the work is to be accomplished in FY 81.

It is recommended that funds be appropriated in the amount necessary to complete those items with a five year or less payback period during FY 80.

Total \$4,696,840

Total Requested: \$4,700,000

DEPARTMENT OF ADMINISTRATION

REQUESTS: STATE BUILDING CONTINGENCY ACCOUNT

DESCRIPTION AND JUSTIFICATION: Funds are requested for expenditures for plans, studies and surveys, alterations, construction, reconstruction, improvements, or rehabilitation of any state-owned building or structure by the Commissioner of Administration if it appears necessary to avoid injury or damages to persons or property. Expenditures are not to be made prior to consultation with the chairmen of the house appropriations and senate finance committees.

Due to the increased size of the State's physical plant and also the current inflationary construction cost situation, it is recommended that the following amount be appropriated for this purpose:

Total Requested: \$600,000

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Capitol Complex	Emergency Light and Warning System	Laws of 1973, Chapter 778, Section 6, Building Remodel- ing, Rehabilita- tion, Special Projects	140,221	Under Construction	5/79
Ceremonial House K-27	Improvements		125,000	Balance held for further work	
Minnesota State Prison	Boiler Repairs	Laws of 1973, Chapter 778, Section 13, Building Emergency Contingent Funds \$300,000	39,119	Completed	
University of Minnesota	Fire Damage - Diehl Hall		103,132	Completed	
Minnesota State Prison	Security Fence Cell Hall A		20,949	Completed	
Minnesota State Reform- atory for Men	Security Modifications		19,767	Completed	
Minnesota State Prison	Powerhouse - Coal Ash Conveyor		5,000	Completed	
Dept. of Trans. Building	Water Problem		3,176	Completed	

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Minnesota State Reform- atory for Men	Fire Damage - Labor	Laws of 1973, Chapter 778, Section 13, Building Emergency Contingent Funds (Contd.)	5,373	Completed	
State Training School for the Blind	Fire Damage		6,447	Completed	
Minnesota State Reform- atory for Men	Fire Damage		2,884	Completed	
Rochester Community College	Emergency Repairs		26,752	Completed	

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Capitol Complex	Modifications for Handicapped	Laws of 1976, Chapter 347, Section 2 Capitol Complex \$729,500	85,000	Under Construction	4/79
Capitol Complex	Fire Marshal Modifications		50,000	Programming	
Capitol Complex	General Remodeling		125,000	Balance held for future remodeling	
Capitol Complex	Emergency Lighting and Warning System		110,000	Under Construction	3/79
Capitol Square Building	Perimeter Leaks		50,000	Under Construction	4/79
Historical Society Bldg.	Perimeter Leaks		50,000	Contract Awarded	
Capitol Square Building	Freight Elevator		40,000	Under Construction	4/79
Historical Society Bldg.	Improvements		225,000	Contract Awarded	10/79
Veterans Ser- vice Building	Improvements		80,000	Under Construction	4/79
Centennial Building	Improvements to Central Air Handling System Dampers		18,500	Completed	4/78
Maintenance Building	Hydraulic Lift		9,500	Under Construction	4/79
Transportation	Improvements to Air Handling System Dampers		25,000	Completed	4/78

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
		Laws of 1976, Chapter 348, Section 2, Capitol Complex \$1,870,000			
1246 University	Remodeling		1,061,000	Under Construction	1/80
117 University	Improvements		809,000	Under Construction	6/79
		Laws of 1976, Chapter 348, Section 11, Building Contin- gent \$500,000			
K-30					
Rochester Community College	Emergency Repairs		90,990	Completed	
St. Croix Forestry Camp	Sewer Improvements		38,114	Completed	
Minnesota State Prison	Boiler Repairs		115,652	Completed	
Willmar State Hospital	Transformer		1,779	Completed	
Brainerd State Hospital	Transformer		4,083	Completed	
Vermillion Community College	Roof Repairs		94,843	Completed	

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
		Laws of 1976, Chapter 348, Section 11, Building Contin- gent (Contd.)			
Camp Ripley	Fire Damage		34,000	Completed	
Minnesota State Prison	Fire Cordage Building		4,778	Completed	
Faribault Deaf School K-3-1	Feeder Cables		7,813	Completed	
		Laws of 1977, Chapter 451, Section 11, Handicapped Accessibility, \$500,000			
Ceremonial House	Handicapped Accessibility		10,000	Substantially Completed	12/78
St. Cloud	" "		175,000	Project Abandoned	
State Parks	" "		200,000	Under Construction	Spring 1979
Thistledew Camp	" "		10,000	Project Cancelled	
Historical Building			22,500	Working Drawings (Bid 02/01/79 Est.)	

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION BY YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Duluth	Office Space Study	Laws of 1977, Chapter 451, Section 14, Public Land and Buildings \$369,300	25,000	Study Completed	9/77
Capitol Building	Remodeling		100,000	Completed	12/77
Capitol Complex K-32	Improvements to Capitol Area	151,300 + 218,000 (EDA)			
	a.) Iglehart Landscape		38,000	Under Construction	5/79
	b.) Leif Erickson Park		310,300	Completed	12/78
	c.) Exterior Signage		21,000	Under Construction	12/78

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
		Laws of 1978, Chapter 791, Section 2, Capitol Complex \$2,133,240			
Capitol Complex	a.) Emergency Lighting		130,000	Working Drawings (Est. Bid 01-15-79)	10/79
Transportation Building	b.) Emergency Lighting		100,000	Under Construction	4/79
Centennial Building	c.) Replace Condenser		43,600	Hold for new chiller	
Transportation Building	d.) Dewatering and Electrical System Modification		11,660	Programming	
Capitol Building	e.) Smoke Detectors		39,000	Working Drawings (Est. Bid 01-15-79)	10/79
Veterans Ser- vice Building	f.) Humidifier		11,555	Completed	1978
Capitol Building	g.) Repair Steam Lines		98,100	Completed	1978
Transportation Building	h.) Humidifier		15,825	Completed	1978
Capitol Building	i.) Rewire Chandelier		29,500	Under Construction	1/79
Capitol Complex	j.) General Purpose Remodeling		125,000	Balance held for future remodeling	
Centennial Building	k.) Remodel Revenue Office Space		125,000	Planning Complete	3/79
Historical Building	l.) Replace Doors		16,000	Schematic Drawings	Summer/79

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
		Laws of 1978, Chapter 791, Section 2, Capitol Complex (Contd.)			
Historical Building	m.) Remodel Curator Office Remodel Photo Lab		1,500 63,500	Bids Due 12-21-78 Working Drawings (Bid Feb. 1979)	Feb. 1979
Capitol Building	n.) Regild Horses and Install Protective Barrier		95,000	Design Development Drawings	Summer 1979
Veterans Ser- vice Building	o.) Repair Pool		22,000	Under Design	Spring 1979
Transportation Building	p.) Ventilation and Cooling of Room 159		4,700	Completed	10/78
Transportation Building	q.) Remodeling of Room 159		4,300	Contract Awarded	Feb. 1979
Transportation Building	r.) Study Elevator Needs		6,000	Study Completed	
Capitol Complex	s.) Surface Parking Lots Q and V		140,000	Under Construction	12/78
St. Paul	t.) Energy Agency Remodeling		90,000	Under Construction	2/79
St. Paul	u.) Relocate Department of Agriculture		1,000,000	Leased Building Now Under Construction	Aug. 1979

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
		Laws of 1978, Chapter 792, Section 4, Capitol Complex \$4,215,700			
Capitol Building	a.) Resurface West Plaza		165,600	Completed	11/78
Centennial Building	b.) Replace Roof		192,000	Under Construction	12/78
Administration Building	Replace Roof		56,000	Completed	11/78
Centennial Building	c.) Rebuild East Entrance		120,000	Under Construction	6/79
Historical Building	d.) Replace Roof and Skylight		147,000	Contract Awarded	10/79
State Office Building	e.) Preliminary Design and Working Drawings		1,200,000	Schematic Drawings	
Metropolitan Area	f.) Office Space Needs Study		300,000	Study Contract Awarded	
Power Plant	g.) Coal Power Plant Planning		300,000	Hold Until 12/31/78	
Power Plant	h.) Chiller		872,000	Design Development Drawings	1/80
117 University	i.) Remodel		600,000	Under Construction	6/79
1246 University	j.) Remodel		1,109,000	Under Construction	1/80
Capitol Complex	k.) Reforest and Landscape		354,100	Under Construction Phase I	11/78

DEPARTMENT OF ADMINISTRATION
SECTION VI: PROPOSED CAPITAL BUDGET
PROJECT STATUS REPORT

LOCATION	PROJECT	APPROPRIATION AND YEAR	ALLOCATION BY PROJECT	STATUS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Capitol Building	Outside Locks	Laws of 1971, Chapter 963, Building, Remodel- ing and Rehabilita- tion, Special Projects	5,000	Balance Held for Further Work	
Capitol Building	Interior Restoration		200,000	Under Construction	4/79
Capitol Building	House of Representatives Seats		95,000	On hold by House	
Capitol Building	Toilet Remodeling	Laws of 1973, Chapter 777, Section 14 Reappropriated Funds	32,000	In design	4/79
Capitol Building	Outside Freight Elevator		80,000	Hold for additional funds	

DEPARTMENT OF NATURAL RESOURCES
DETAIL SECTION SUPPLEMENT

Request: French River Hatchery Water Supply Intake and Raceways(Operational Emergency)

JUSTIFICATION: The state's \$2 million investment in the new French River Hatchery is totally dependent on an adequate supply of water for operation of the facility. At the time the new hatchery was constructed it was determined by consultants that the existing water supply intake into Lake Superior that was serving the old hatchery would adequately serve the new hatchery, too. The existing intake line, constructed approximately 30 years ago, is a 12 inch pipeline extending about 1500 feet into Lake Superior and is the only existing water supply facility. After about 2 years of operating experience and numerous problems, it is obvious that a new water supply intake is needed. The pumping of sand into the water supply system, numerous breaks in the intake pipeline, and severe pump cavitation are some of the problems being encountered in trying to keep the hatchery water supply in operation. Remedial actions to keep the water intake operable on a tentative basis but early action is required to replace the intake pipeline to provide a dependable water supply.

The project also includes construction of a second rearing module at the French River Trout Hatching and Rearing Facility. This module containing (5) raceways with water filtration and recirculation features was included in the original design but not built at time of construction for lack of funds.

DESCRIPTION: The proposed project consists of furnishing and installing 1750 lineal feet of 24 inch diameter steel pipeline from the existing pumping station into Lake Superior. The pipeline at the intake end in Lake Superior would be about 65-70 feet below the surface of the lake. The pipeline will have to be tunneled under U.S. Highway 61 and trenched into the lake bottom for the first 200-300 feet to provide protection from wave action and ice. It is proposed to retain the existing intake pipeline as a backup for emergencies.

It also includes construction of a second rearing module containing (5) raceways with water filtration and recirculation features.

ALTERNATIVES CONSIDERED: Shut down hatchery or attempt to provide continuing maintenance to existing line and plan on early replacement of pumps.

ESTIMATED COSTS PREPARED BY: Department of Natural Resources

Land Acquisition	\$ N/A
Construction	1,270,000
Non-Building Costs	N/A
Professional Services	47,000
Equipment	N/A
Site Work	N/A
Other - Contingency (15%)	70,500
Total Project Cost	1,387,500
Total for this Request Only	1,387,500
Cost/gross square footage	N/A
Cost/assignable square footage	N/A

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Lac Qui Parle Wildlife Management Area Metal Storage Building Supplement

JUSTIFICATION: This project is a supplemental request. The 1978 Legislature appropriated \$20,000 of the requested \$44,800 (1978 costs) for this project. The projected 1979 construction cost for this building is \$52,000 due to inflation. Thus a supplemental appropriation of \$32,000 is requested to allow construction of this project. Storage facilities for both Enforcement and Wildlife are inadequate at the Lac Qui Parle Headquarters. This necessitates outside storage of a substantial amount of vehicles and equipment which is subjected to weather and vandalism.

DESCRIPTION: It is proposed to construct a new unheated metal storage building (44' x 80') at the Wildlife Management Area for storage of equipment and supplies.

ALTERNATIVES CONSIDERED: Continue to store outside and expose equipment and materials to weather and vandalism.

ESTIMATED COSTS PREPARED BY: Department of Natural Resources

Land Acquisition	\$ N/A
Construction	\$ 52,000
Non-building costs	\$ N/A
Professional Services	\$ N/A
Equipment	\$ N/A
Site Work	\$ N/A
Other - Contingency (15%)	\$ 4,800
Total project cost	\$ 56,800
Total for this request only	\$ 36,800
Cost/gross square footage	\$ 15.00
Cost/assignable square footage	\$

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Unknown

Note: An appropriation of \$20,000 was made pursuant to Laws of 1978, Chapter 791, Section 3, Item e for this project.

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Orr Forestry Sewer System (Pollution)

JUSTIFICATION: The sewage wastes from the office and two residences at the Orr station currently discharges into a septic tank/drainfield system. This system has failed resulting in the effluent discharging into a ditch along U.S. Highway 53 and ultimately into Pelican Lake. This situation is both a health and environmental hazard that must be corrected as rapidly as possible.

DESCRIPTION: It is proposed to abandon the old septic tank/drainfield system and connect the buildings at the station to the municipal sewer system. Included in the project will be a required sewerage lift station to allow connection to the municipal system.

ALTERNATIVES CONSIDERED: None available

ESTIMATED COSTS PREPARED BY: Department of Natural Resources

Land Acquisition	\$ N/A
Construction	\$ 42,000
Non-Building Costs	\$ N/A
Professional Services	\$ N/A
Equipment	\$ N/A
Site Work	\$ N/A
Other - Contingency (15%)	\$ 6,300
Total project cost	\$ 48,300
Total for this request only	\$ 48,300
Cost/gross square footage	\$ N/A
Cost/assignable square footage	\$ N/A

SPACE RELEASED:

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Southern Service Center Remodeling (Energy)

JUSTIFICATION: The DNR building located on Warner Road in St. Paul currently houses the regional headquarters staff, the southern service center (serving the southern half of the state), the fish hatchery, and the area Fisheries staff. This building was remodeled in 1976 to allow for this consolidation, but insufficient funds were available to complete all required remodeling at that time; no exterior work was done and no work was done in the shop portion of the Southern Service Center. The work items proposed are primarily energy and safety related.

DESCRIPTION: It is proposed to do further remodeling work on the building including the following:

replacement of single pane metal-frame windows and doors in the shop area; remodel plumbing and insulate steam lines to improve heating efficiency; resurface bituminous roads and parking areas that are badly broken up and a safety hazard construct a loading dock and access road at the receiving room to eliminate double handling of incoming and outgoing supplies at the service center; install a no-lead gas pump and tank to service vehicles; sandblast and tuckpoint the brick exterior of the building to prevent further deterioration and to reduce heat loss; and replacement of the vehicle ramp to the building that is currently in danger of collapse and a safety hazard (timber supports were placed under the ramp two years ago to prevent its collapse).

ALTERNATIVES CONSIDERED:

Continuing as is and allow building to deteriorate.

ESTIMATED COSTS PREPARED BY: Department of Natural Resources

Land Acquisition	N/A
Construction	\$ 101,000
Non-Building Costs	N/A
Professional Services	N/A
Equipment	N/A
Site Work	40,000
Other Contingency -(15%)	21,100
Total Project Cost	\$ 162,100
Total for this request only	\$ 162,100
Cost/gross square footage	N/A
Cost/Assignable square footage	N/A
SPACE RELEASED	N/A
CHANGE IN ANNUAL OPERATING COST:	Unknown

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Rochester Regional Headquarters Facilities Completion (Energy)

JUSTIFICATION: The DNR received the cow barn and other farm buildings from the state hospital for use as the regional headquarters. The barn was remodeled for the regional office in 1976; however, sufficient funds were unavailable at that time to remodel the north wing or the shop area or to complete exterior work. The primary items in this proposal are to reduce energy consumption, improve the exterior facilities so that they are more usable, and replace 3 obsolete farm buildings.

DESCRIPTION: It is proposed to complete the regional facilities at Rochester by undertaking the following work items: construct an unheated metal storage building to eliminate maintenance on 3 obsolete farm buildings; remodel the north wing of the offices to improve energy efficiency; repair workshop wall and replace single-pane windows to improve energy efficiency; replace a broken concrete slab outside the shop; place a crushed rock surface in the outside storage area to eliminate a very muddy situation; and bituminous surface the parking area at the office.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Department of Natural Resources

Land Acquisition	N/A
Construction	\$ 124,000
Non-Building Costs	N/A
Professional Services	N/A
Equipment	N/A
Site Work	20,000
Other -Contingency (15%)	<u>21,600</u>
Total Project Cost	\$ 165,600
Total for this Request Only	\$ 165,600
Cost/gross square footage	N/A
Cost/assignable square footage	N/A

SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Assumed 35% savings.

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Little Fork Forestry Shop/Warehouse (Consolidation)

JUSTIFICATION: It is proposed to move an existing warehouse from Dentaybow to Littlefork Area Headquarters for use as a shop/warehouse. Consolidation of the Dentaybow District to the Littlefork facility has prompted additional warehousing needs at the latter location. Moving of this existing building will serve this need as well as provide shop repair facilities at the area.

DESCRIPTION: The Dentaybow District Forestry office has been consolidated to the Littlefork Area Forestry office and it is proposed to move a building from the Dentaybow site to provide needed shop/warehouse space.

ALTERNATIVES CONSIDERED: None

ESTIMATED COSTS PREPARED BY: Department of Natural Resources.

Land Acquisition	N/A
Construction	\$ 9,000
Non-Building Costs	
Professional Services	N/A
Equipment	N/A
Site Work	17,000
Other - Contingency (15%)	<u>3,900</u>
Total Project Costs	\$29,900
Total for this Request Only	\$29,900
Cost/gross square footage	\$14.00
Cost/assignable square footage	

SPACE RELEASED: Dentaybow Site & Residence to be sold.

CHANGE IN ANNUAL OPERATING COST: None.

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Lanesboro Hatchery Residence Remodeling (Energy)

JUSTIFICATION: It is proposed to remodel an existing residence at the Lanesboro Fish Hatchery. Remodeling will include insulation, replacement of furnace, improvement of water system, upgrading of plumbing and electrical, floor covering etc. The residence provides housing for hatchery personnel and is located on the site where fish stock is maintained. Remodeling of this facility is expected to reduce energy consumption by 40%.

DESCRIPTION: It is proposed to remodel the Hatchery manager's residence at Lanesboro to improve energy efficiency and to make the residence more liveable.

ALTERNATIVES CONSIDERED: None.

ESTIMATED COSTS PREPARED BY: Department of Natural Resources.

Land Acquisition	N/A
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Construction	\$ 31,000
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Non-Building Costs

Professional Services	N/A
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Equipment	N/A
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Site Work	N/A
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Other -Contingency (15%)	4,600
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Total Project Cost	\$ 35,600
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Total for this Request Only	\$ 35,600
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Cost/gross square footage	N/A
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Cost/assignable square footage	N/A
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SPACE RELEASED: N/A

CHANGE IN ANNUAL OPERATING COST: Assumed 40% savings.

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Badoura Forest Nursery Improvements

JUSTIFICATION: Demands are being made for increased productivity of timber resources. A key element to meet that demand is to improve output at the Badoura Nursery through improved efficiency and productivity which will require up-dating the present facilities at the nursery. The current seed extractor is a home-made machine that was built nearly 30 years ago and is very inefficient. The seed produced from Badoura is used both at this nursery and other nurseries for production of nursery stock as well as for direct seeding of state lands. Also the current tree packing facilities are inadequate.

DESCRIPTION: The proposed project is composed of two primary elements; construction of a new seed extraction facility and construction of an addition to the packing facility. It is proposed to construct a 40 x 80 foot building to house new automated seed extraction equipment which will increase output and efficiency. The equipment is primarily composed of a cone storage bin, a conveyor system, a kiln to release the seeds from the cones, and screens to clean the seeds. Also proposed is a 20 x 32 foot addition to connect two existing buildings which will provide additional space for parking.

ALTERNATIVES CONSIDERED:
None.

ESTIMATED COSTS PREPARED BY: Department of Natural Resources.

Land Acquisition	N/A
Construction	\$ 142,000
Non-Building Costs	
Professional Services	31,000
Equipment	162,000
Site Work	4,000
Other - Contingency (15%)	<u>42,200</u>
Total Project Cost	\$ 385,200
Total for this Request Only	\$ 385,200
Cost/gross square footage	\$ 37.00 S.F.
Cost/assignable square footage	N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: Unknown - more efficiency should reduce costs 25% to 30%.

DEPARTMENT OF NATURAL RESOURCES
DETAIL SECTION SUPPLEMENT

REQUEST: New Ulm Regional Headquarters Shop/Warehouse

JUSTIFICATION: This proposed building would be located at the regional headquarters site for repair of vehicles and equipment in the region and to provide for central receiving and distribution of supplies for the region. The regional headquarters office building was constructed in 1976 but no repair shop or storage facilities are available in the office building. Present repair work and supplies are handled in inadequate facilities at Flandrau State Park. Sufficient land (which was donated to the State by the City of New Ulm) is available at the site for this facility.

DESCRIPTION: The proposed building would be located at the new Regional Headquarters for repair of vehicles and equipment, and to provide for central receiving and distribution of supplies for the region. In addition to the new building, is the construction of the road, service court and utilities at the new building.

ALTERNATIVES CONSIDERED:
None.

ESTIMATED COSTS PREPARED BY: Department of Natural Resources

Land Acquisition	N/A
Construction	\$ 236,599
Non-Building Costs	
Professional Services	\$ 31,000
Equipment	
Site Work/Utilities	68,401
Other - Contingency (15%)	<u>45,700</u>
Total Project Cost	\$ 381,700
Total for this Request Only	381,700
Cost/gross square footage building	44.00 S.F.
Cost/assignable square footage	N/A

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: Unknown

DEPARTMENT OF NATURAL RESOURCES

DETAIL SECTION SUPPLEMENT

REQUEST: Security Fencing - Various Sites

JUSTIFICATION: It is proposed to construct security fencing at selected sites to reduce vandalism and loss of equipment. The fencing proposed at Carlos Avery is replacement of deteriorated predator control fencing.

DESCRIPTION: Security fencing is proposed at Waterville Fisheries Headquarters, Carlos Avery Wildlife Management Area and at 8 fire tower sites.

ALTERNATIVES CONSIDERED:

None, except leave unprotected and subject to vandalism.

ESTIMATED COSTS PREPARED BY: Department of Natural Resources

Land Acquisition	N/A
Construction	N/A
Non-Building Costs	
Professional Services	N/A
Equipment	N/A
*Site Work	\$ 55,000
Other -Contingency (15%)	<u>8,200</u>
Total Project Cost	\$ 63,200
Total for this Request Only	\$ 63,200
Cost/gross square footage	N/A
Cost/assignable square footage	N/A

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: None, except for savings realized due to decreased vandalism.

*Whitewater Wildlife Management Area - 1,100 L.F. @ \$10.00
Waterville Area Fisheries Headquarters - 600 L.F. @ \$10.00 (7' high)
Carlos Avery Wildlife Management Area - 4,200 L.F. @ \$6.00 (5' high)
Fergus Falls Area Headquarters - 1,000 L.F. @ \$10.00
Bemidji Area Headquarters - 260 L.F. @ \$10.00

DEPARTMENT OF NATURAL RESOURCES

PROJECT STATUS REPORT

DISCIPLINE/ DIVISION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ACTUAL/ESTIMATED COMPLETION DATE
1) Administration	Bemidji Regional Hqtrs.	\$ 175,000-L. '71	August, 1972	--	June, 1973
2) Administration	New Ulm Regional Hqtrs.	\$ 125,000-L. '71	May, 1976	--	August, 1977
		\$ 173,000-L. '75			
3) Fish & Wildlife	French River Hatchery	\$1,658,000-L. '73	December, 1974	--	October, 1976
	(Phases I, II and III)	\$ 200,000-L. '75	October, 1975		
4) Administration	Rochester Regional Hqtrs.	\$ 85,000-L. '75	May, 1976	--	October, 1977
5) Administration	Metro Regional Hqtrs.	\$ 175,000-L. '75	May, 1976	--	February, 1977
6) Administration	Brainerd Regional & Area Hqtrs. (Plan)	\$ 35,000-L. '78	August, 1978	--	January, 1979 - report
7) Administration	Grand Rapids Regional Hqtrs.	\$2,148,750-L. '78	June, 1978 (architects)	Prog.-Schematic- Design Phase	April, 1980
8) Field Services	Bemidji Regional Shop & Warehouse	\$ 252,000-L. '78	--	Dev. of Prelimi- nary Data	May, 1980
9) Minerals	Drill Core Library	\$ 144,200-L. '78	--	Site Design	December, 1979
10) Field Services	Grand Rapids Service Center Heating System	\$ 38,640-L. '78	June, 1978 (architects)	Incl. in Item #7 Above	April, 1980
11) Minerals	Remodel Hibbing Minerals Office	\$ 70,000-L. '78	--	Preliminary Data	June, 1980
12) Field Services	Grand Rapids Serv. Ctr. Roof	\$ 12,880-L. '78	--	--	July, 1979
13) Forestry	Connect Littlefork Area Hqtrs. Sewer	\$ 28,750-L. '78	--	--	April, 1979
14) Forestry	General Andrews Nursery Heating System	\$ 34,500-L. '78	--	Developing Wood Heat Report	December, 1979
15) Fish & Wildlife	Carlos Avery Wildlife Mgmt. Area Heating System	\$ 38,640-L. '78	December, 1978	--	February, 1979
16) Fish & Wildlife	Remodel "Old" French River Hatchery	\$ 167,500-L. '78	--	--	July, 1980
17) Fish & Wildlife	Lac Qui Parle Wildlife Mgmt. Area Storage Building	\$ 20,000-L. '78	--	Insufficient Funds	N/A
18) Fish & Wildlife	Lanesboro Hatchery Sewer Sys.	\$ 32,200-L. '78	--	System Design	August, 1979
19) Fish & Wildlife	Install Security Fencing	\$ 26,000-L. '78	--	Bid Opening - Feb., 1979	June, 1979
20) Forestry	Hibbing Air Tanker Base	\$ 251,780-L. '78	--	"Hold Status"	N/A

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Planning and Design Funds for Itasca Interpretive Center \$ 250,000.00

JUSTIFICATION: Laws of Minnesota, 1977, Chapter 372, Section 2, Subdivision 13. Such funds are needed to begin the design development phase.

DESCRIPTION: To develop and design an interpretive center for Itasca State Park. The funds requested relate to architectural design costs.

ALTERNATIVES CONSIDERED: The present physical structures are not adequate for such a use.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 2,568,000.00
Non-building costs	\$ 836,000.00
Architects fees	\$ 250,000.00
Equipment	\$ 50,000.00
Site Work	\$ 286,000.00
Other - Exhibits	\$ 250,000.00
Total project cost	\$ 3,404,000.00
Total for this request only	\$ 250,000.00
Cost/gross square footage	\$ -0-
Cost/assignable square footage	\$ -0-

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: Ultimately the construction of such a center would result in increased annual operating costs of about \$125,000.00 to the Minnesota Historical Society.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Replace Exterior Windows and Improve Roof Drainage System-James J. Hill House \$ 135,000.00

JUSTIFICATION: To conserve energy and provide needed restoration to windows and roof drainage system.

DESCRIPTION: Replace existing wood storms and screens with permanent mount-type thermopane units. Such units would have built-in screens as required.

ALTERNATIVES CONSIDERED: The cost of repairing and mounting present storms and screens is excessive. Also, they are not energy efficient.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 125,000.00
Non-building costs	\$ 10,000.00
Architects fees	\$ -0-
Equipment	\$ -0-
Site Work	\$ -0-
Other	
Total project cost	\$ 135,000.00
Total for this request only	\$ 135,000.00
Cost/gross square footage	\$ -0-
Cost/assignable square footage	\$ -0-

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: Reduce heating cost by approximately \$2,000.00 annually and window changeover costs by \$3,000.00 annually.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Sprinkler System \$ 66,000.00

JUSTIFICATION: Provide a complete fire control system for State Archives to protect the rare collections.

DESCRIPTION: Provide a sprinkler system for fire control throughout the storage areas at the Research Center at 1500 Mississippi Street.

ALTERNATIVES CONSIDERED: None other than a "Halon" system, which is not feasible.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 60,000.00
Non-building costs	\$ 6,000.00
Architects fees	\$ 6,000.00
Equipment	\$ -0-
Site work	\$ -0-
Other	
Total project cost	\$ 66,000.00
Total for this request only	\$ 66,000.00
Cost/gross square footage	\$
Cost/assignable square footage	\$

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: None.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Energy Conservation-Historic Houses \$ 82,500.00

JUSTIFICATION: Insulation, window replacement, and tuck-pointing in older type historic houses would improve energy consumption and structure preservation.

DESCRIPTION: Replace windows, insulate roof interior and exterior walls, and tuck-pointing: Lindbergh and Ramsey Houses.

ALTERNATIVES CONSIDERED: Continue present conditions which are costly and lead to continued deterioration.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 75,000.00
Non-building costs	\$ 7,500.00
Architects fees	\$ 7,500.00
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 82,500.00
Total for this request only	\$ 82,500.00
Cost/gross square footage	\$ -0-
Cost/assignable square footage	\$ -0-

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: \$5,000.00 decrease is anticipated as a result of such measures, plus improved preservation of the structures.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Museum Exhibit Staging and Patron Area \$ 37,700.00

JUSTIFICATION: There is a need to provide space for assembly, repair, and storage of exhibits used in the third floor Museum. Also to provide an adequate area for patrons and staff for lunch and relief purposes.

DESCRIPTION: Remodel lower level of N.W. Terrace to provide ventilation, lighting, tool storage, and a staging area for exhibits. Remodel current Library processing area (in N.W. Terrace) into patron and staff room. Have library use existing staff room for processing.

ALTERNATIVES CONSIDERED: No adequate exhibit storage area exists. Space rental would be too costly and provide security problems. Have all patrons and staff use the Centennial Building lunch room.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 30,000.00
Non-building costs	\$ 7,700.00
Architects fees	\$ 3,000.00
Equipment	\$ 4,700.00
Site Work	\$ -0-
Other	\$ -0-
Total project cost	\$ 37,700.00
Total for this request only	\$ 37,700.00
Cost/gross square footage	\$
Cost/assignable square footage	\$

SPACE RELEASED: None. Library would use current staff room for their processing needs.

CHANGE IN ANNUAL OPERATING COST: None.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: LAC QUI PARLE Mission Restoration-Phase I \$ 35,650.00

JUSTIFICATION: The mission structure and site need to be restored to properly preserve its historical features.

DESCRIPTION: Phase I includes wall restoration, markers, trails, cabin restoration, landscaping, cemetery preservation, and construction of a new parking lot.

ALTERNATIVES CONSIDERED: Deferring such preservation needs would lead to further deterioration of the property.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 32,450.00
Non-building costs	\$ 3,200.00
Architects fees	\$ 3,200.00
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 98,450.00
Total for this request only	\$ 35,650.00
Cost/gross square footage	\$ -0-
Cost/assignable square footage	\$ -0-

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: Operating costs for grounds maintenance would increase about \$1,000.00 annually.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Meighen Store Restoration-Forestville State Bank \$ 100,000.00

JUSTIFICATION: To preserve existing historic structures.
Preservation need relates to exterior brick, porches, stairs.
and room interiors.

DESCRIPTION: Restore exterior brick, including restoration of
all porches, exterior stairs, and historic room interiors.

ALTERNATIVES CONSIDERED: Needed to preserve existing structures.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 88,000.00
Non-building costs	\$ 12,000.00
Architects fees	\$ 12,000.00
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ -0-
Total project cost	\$ 100,000.00
Total for this request only	\$ 100,000.00
Cost/gross square footage	\$ N.A.
Cost/assignable square footage	\$ N.A.

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: None.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Fort Ridgely - Phase I \$ 225,000.00

JUSTIFICATION: In conformance with master plan as required
by Outdoor Recreation Act of 1975.

DESCRIPTION: Relocate monuments, access roads, archaeological
research, development of trails, and relocating existing parking.

ALTERNATIVES CONSIDERED: Required for proper site development.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 200,000.00
Non-building costs	\$ 25,000.00
Architects fees	\$ 20,000.00
Equipment	\$ -0-
Site work	\$ -0-
Other	\$ 5,000.00
Total project cost	\$ 225,000.00
Total for this request only	\$ 225,000.00
Cost/gross square footage	\$ N.A.
Cost/assignable square footage	\$ N.A.

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: None.

MINNESOTA HISTORICAL SOCIETY

REQUEST DETAIL

REQUEST: Birch Coulee Restoration - Phase I \$ 50,000.00

JUSTIFICATION: To provide needed restoration in conformance with Outdoor Recreation Act master plan.

DESCRIPTION: Restoration to include earth works, battlefield site, roadways, and interpretive display structure.

ALTERNATIVES CONSIDERED: Defer until 1983. Park gets extensive local use however.

ESTIMATED COSTS PREPARED BY: John J. Wood, M.H.S.

Land acquisition	\$ -0-
Construction	\$ 33,000.00
Non-building costs	\$ 17,000.00
Architects fees	\$ 5,000.00
Equipment	\$ -0-
Site work	\$ 6,000.00
Other-Archaeology	\$ 6,000.00
Total project cost-Phase I and II	\$ 217,000.00
Total for this request only	\$ 50,000.00
Cost/gross square footage	\$ -0-
Cost/assignable square footage	\$ -0-

SPACE RELEASED: None

CHANGE IN ANNUAL OPERATING COST: \$2,800.00 increase per year.

MINNESOTA HISTORICAL SOCIETY

PROJECT STATUS REPORT

INSTITUTION	PROJECT	APPROPRIATION AND YEAR	CONTRACT AWARD	PROGRESS AS OF 12-1-78	ESTIMATED COMPLETION DATE
Research Center	Humidity and temperature control for rare documents	\$325,000.00 (1976)	March 2, 1978	90%	4-1-79
Kelley Farm	Restore house	\$75,000.00 (1976)	August 16, 1976	95%	2-1-79
M.H.S. Building and Capitol	Exhibit construction	\$100,000.00 (1978)	September 8, 1978	50%	6-30-79
Fort Snelling M-10	Visitor Center	\$2,977,944.00	In final specification preparation phase with D.O.T.	Out for bid on 4-4-79	6-30-80
Historic Site	Split Rock Lighthouse	\$130,000.00 (1978)	---	Architect selected; in design phase	12-1-79
James J. Hill House	Code compliance	\$208,000.00 (1978)	Being bid in January of 1979	---	8-1-79
Research Center	Landscaping	\$13,000.00 (1978)	Will be bid in April of 1979	---	6-30-79

Department of Transportation

Detail Section

1. Request: Miscellaneous Materials & Contracts, Reroofing, Fencing and Energy Modifications. \$440,000

Justification: These funds are needed for material & contract modifications to existing structures, for reroofing several buildings statewide, for security fencing at several truck stations statewide, for miscellaneous remodeling of transportation building, and for energy improvements on several buildings statewide.

Description: These funds will be used to repair and replace many building components such as door, heaters, & provide ventilation. It will provide for repair or reroofing of several builtup roofs which are over 20 years old. It will provide security fencing around several truck station yards where security of stored materials and equipment is a problem. It will provide for energy improvements to several buildings which are also in need of repair & not covered by energy audit requests.

Alternatives Considered: We could simply do nothing and let buildings deteriorate, roofs leak, vandalism continue, and energy waste continues, but that would be poor management of the state resources.

Estimated Costs:	Prepared by Paul M. Jensen, Building Engineer	
	Miscellaneous Materials and Contracts	100,000
	Reroofing projects, statewide	100,000
	Security Fencing	65,000
	Transportation Bldg. Miscellaneous Remodeling	75,000
	Energy Improvements, Statewide	100,000
		<hr/>
	Total	440,000

2. Request: Metro Area Salt Buildings & Miscellaneous Chemical Shed Materials - Statewide 350,000

Justification: Shelters for road salt are badly needed in the Metro area where large quantities are used and stored without cover. Also many sites outstate are of inadequate size to completely house the quantities needed. Environmental pressures necessitate constructing shelters for these chemicals.

Description: These funds would provide for six large storage sheds in the Metro area and several additions and replacements sheds outstate.

Alternatives: To continue to stockpile chemicals with plastic coverings which blow off in the wind and subject the department to criticism and problems with the environment.

DETAIL SECTION (Continued)

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer	
6 Metro Area Shelters @ \$45,000	\$ 270,000
Miscellaneous Additions & Replacement Sheds Statewide	80,000
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Total for this request	350,000
Cost/Gross Square Footage (18,432) Sq. Ft.	\$ 14.65

3. Request: Electronic Communications Buildings @ Thief River Falls, Duluth & Hawley. 70,000

Justification: The building at Thief River Falls is necessary to house radio repair shop on our present site. We now lease from the city and it will be sold to a developer who will clear the site. The building at Duluth is necessary to locate the transmitters at the tower site and to eliminate present interference problems. The building at Hawley is needed to eliminate crowded conditions of transmitters and also to house additional equipment for Public Safety and N. W. S. radio.

Description: These funds would provide buildings for housing of radio transmitters used by Mn/DOT, Public Safety, National Weather Service and also an installation & repair facility for electronic communications staff in Thief River Falls.

Alternatives: We could look for other leased space in Thief River Falls, however it is a disadvantage to be located away from the transmitter & tower which is at the present truck station site. Only alternates would be to lease other space which may require additional tower erection.

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer

1000 Sq. Ft. @ Thief River Falls	\$ 35,000
Addition at Hawley building (96) Sq. Ft.	15,000
Building at Duluth (576) Sq. Ft.	20,000
	<hr/>
Total for This Request	\$ 70,000
Cost/Gross Square Footage (1672) Sq. Ft.	\$ 41.86

Change in Annual Operating Cost:

\$6,000 per year less cost at Thief River Falls from savings in rent.

4. Request: Morris Maintenance Area Headquarters 2,323,200

Justification: A new facility is needed to replace the present 51 year old structure which is inadequate in size. A new building will provide adequate space for maintenance and storage of the vehicles used on highway maintenance, will result in improved safety to employees, better service to the public, will reduce rental space expenses and inefficiency of separated work stations,

DETAIL SECTION (Continued)

and the State Patrol employees will be combined into this facility improving coordination with the patrol.

Description: These funds will provide for a new headquarters building totaling 41,000 Sq. Ft. consisting of office, repair shop, heated truck storage, stockroom for secure storage of inventory. Chemical storage and cold storage also will be constructed. It will also provide for site developments of security fence, curb & gutter, bituminous surfacing, grading & base, sidewalk, sod & landscaping, storm sewer and night security lighting.

Alternatives: The only alternative is to continue as is. The site was previously approved and acquired. The city has installed a 12" water main to the site for fire safety and this has been paid for. The city is installing sanitary sewer service past the site in 1979 and we will be assessed for that. Highway access to the site has been provided by the Morris TH 59 bypass. A consultant was retained to prepare construction drawings in 1974. Due to the above and increased need each year the only feasible alternate is to construct.

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer

a) Land Acquisitions	- 0 -
b) Construction - Headquarters Building	\$ 1,825,200
Chemical & Cold Storage	75,000
c) Non-Building Costs	
1. Architects fees	133,000
2. Equipment - fuel dispensing system	20,000
3. Utilities - Water, sewer, & gas	15,000
4. Grading & Surfacing	179,000
5. Landscaping	41,000
6. Security Fencing	35,000
d) Total Project Cost	2,323,200
e) Total for this request	2,323,200
f) Cost/Gross Square Footage (40,500) Sq. Ft.	45.00
g) Cost/Assignable Square Footage	

Space Released: The existing Morris site could be sold or transferred to another government agency.

Change in Annual Operating Cost: No additional personnel. The rent paid for leased construction office space \$6600 per year will offset any increased utility costs.

Existing Square footage: Assignable 15,057. (172% Increase)

5. Request: Land Acquisition at Benson, Granite Falls, Mapleton, Northome & Park Rapids. 105,000

Justification: New sites are needed for stockpile of winter sand and chemicals to replace present sites in a residential area, and

DETAIL SECTION (Continued)

Also in order to plan and estimate the future equipment storage buildings more accurately rather than receiving a land and building authorization at same time and not being able to proceed with the building for a year or two.

Description: These funds would provide for a new site in Benson so we can relocate our facilities out of a 1/2 acre residential area and also gain adequate space so we don't have to lease stockpile space. It will provide a replacement at Granite Falls for the 1/3 acre site now occupied which does not provide adequate storage space or room to buffer our operations from the neighbors in residential area. At Mapleton and Northome it will provide storage sites which we now lease. We also lease the truck storage buildings at those two locations. At Park Rapids it will provide a replacement site for the four-tenths acre site now occupied which provides inadequate storage space.

Alternatives Considered: Leasing storage space located separately from an owned or rented equipment storage building is inefficient and does not provide the desired security for our materials and equipment.

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer.

Land Acquisition: Benson	\$ 20,000
Granite Falls	25,000
Mapleton	20,000
Northome	20,000
Park Rapids	<u>20,000</u>
Total for this request	\$105,000

Space Released: We would be able to terminate a lease on stockpile site at Benson.

Change in Annual Operating Cost: Decreased Cost of Rent at Benson.

6. Request: Golden Valley Office Addition \$ 906,000

Justification: This office addition to the present district headquarters building is needed to replace leased space at two locations. The space presently leased consists of office space totaling 16,193 square feet at the Bassett Creek Complex located about two blocks away from the headquarters, and office space totaling 4,000 square feet located in Plymouth, about five miles from the headquarters.

The Bassett Creek Building houses approximately 112 people composed of Right of Way; Final Design; Layout, Research and Development; Transportation Planning; and Traffic Engineering. The leased space in Plymouth houses 78 people composed of Field Construction Personnel and Surveys Personnel.

DETAIL SECTION (Continued)

This addition would enable us to bring all of these people into one building providing for a much more efficient operation and would also be more convenient for the public. Using projected costs for the years 1980-1986, it is estimated that the cost of this building would be recovered in 7.4 years.

Description: These funds would be used to build a new energy efficient and long-life office addition to the present district headquarters building, architects fees, and site development consisting of modification of parking areas to handle the increased parking required.

Alternatives: The only alternative available would be to continue the present leasing of office space at the two locations perpetuating the present inefficient operation and inconvenience to the public.

Estimated Cost: Prepared by Paul M. Jensen, Building Engineer

a) Land Acquisition	None
b) Construction	\$ 800,000
c) Non-building Costs	
1. Architects fees	56,000
2. Equipment - Elevator	40,000
3. Site Work	10,000
d) Total Project Cost	906,000
e) Total for this Request	906,000
f) Cost/Gross Square Footage (20,000)	40.00

Space Released: Rentals of 16,200 & 4,000 Sq. Ft. at Bassett Creek and Plymouth

Change in Annual Operating Cost:

Increase 1 Janitor 710 x 12 months	\$ +8,520
Increase Janitorial Service	+8,700
Increase in Utilities	30,000
Increase Subtotal	<u>47,220</u>

Decrease for 2 leases & utilities paid \$ 173,535

Net savings per year \$ 126,315

7. Request: Equipment Storage Building - Aitkin 278,160

Justification: The present building which was constructed in 1931 is inadequate in size, is energy inefficient, is in poor condition, & is located on a 0.6 acre lot. There is no sewer or water at the building.

DETAIL SECTION (Continued)

Description: These funds would provide a new equipment storage building of adequate size, utilities, a fuel dispensing system, grading & surfacing of yard and drive areas, security fencing and landscaping for a complete maintenance operation at Aitkin.

Alternatives: The site is owned already and used as a stockpile site. It is not possible to continue with the present structure very long, and leasing of heated storage space is not a desired alternate.

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer

a) Land Acquisition	None
b) Construction	\$ 188,160
c) Non-building Costs	
1. Architects fees	None
2. Equipment - Fuel Dispensing System	20,000
3. Utilities	15,000
4. Grading & surfacing	30,000
5. Security fencing	15,000
6. Landscaping	10,000
d) Total project cost	278,160
e) Total for this request	278,160
f) Cost/Gross Square Footage (4704) Sq. Ft.	40.00

Space released: The existing site could be sold. The building, 30' x 44', on the site has essentially no salvage value.

Change in Annual Operating Cost: Minor Utility increase

Existing Gross Square Footage: 1320 Sq. Ft. (256% Increase)

8. Request: Equipment Storage Building - Grygla \$ 238,140

Justification: An equipment storage building of adequate size with sanitary facilities is needed. The present wood frame building was moved onto the site in 1964, is only adequate for one crew, and has no sanitary facilities. Another structure is rented at a separate location to house the second crew and it also has no sanitary facilities.

Description: These funds would provide a new equipment storage building of adequate size with sanitary facilities & utilities, a fuel dispensing system, grading & surfacing of storage & drive area, security fencing and landscaping all located on our existing land parcel of 4.7 acres.

DETAIL SECTION (Continued)

Alternatives Considered: We had intended to lease space in a proposed new municipal building, however, the city has dropped plans for the building due to financial considerations. No other adequate space is available for lease in the area.

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer.

a) Land Acquisition	None
b) Construction	\$ 147,840
c) Non-building Costs	
1. Architects Fees	None
2. Equipment - Fuel Dispensing System	20,000
3. Utilities - Sewer & Water	7,000
4. Grading & Surfacing	40,000
5. Security Fencing	13,000
6. Landscaping	10,000
d) Total Project Cost	238,140
e) Total For This Request	238,140
f) Cost Per Gross Square Footage (3696) Sq. Ft.	40.00

Space Released: The rental building will be released and the existing wood frame building will be used for miscellaneous cold storage.

9. Request: Equipment Storage Building - Redwood Falls. 327,930

Justification: An equipment storage building of adequate size on a new and larger site are needed to accommodate our operations. The existing building is a wood structure constructed in 1931 and is 32 x 50 feet with a 28 feet addition. The total site is only 100 x 180 feet or four-tenths of an acre. We share a common sanitary sewer connection with two homes and have had backup problems. The existing site is in a residential area, is inadequate to accommodate stockpiles of winter sand and is not large enough to allow screening from our neighbors.

Description: These funds would provide for a proposed 6.8 acre site in the Redwood Falls industrial park, a new equipment storage building of adequate size, all utilities, a fuel dispensing system, grading and surfacing of storage and drive areas, security fencing and landscaping.

Alternative Considered: Leasing of space is a temporary solution, if it were available. Over a long period it is more prudent financially to develop our own site and thereby lower the life cycle cost of operating.

DETAIL SECTION (Continued)

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer

a) Land Acquisition:	\$ 30,600
b) Construction	188,160
c) Non-building Costs	
1) Architects Fees	None
2) Equipment - Fuel Dispensing System	20,000
3) Utilities	14,170
4) Grading & Surfacing	50,000
5) Security Fencing	15,000
6) Landscaping	10,000
d) Total Project Cost	327,930
e) Total For This Request	327,930
f) Cost/Gross Square Footage (3696) Sq. Ft.	40.00

Space Released: The existing lot 100 x 180 feet and structure could be sold.

Change in Annual Operating Cost: ~~Minor~~ utility increases.

Existing Gross Square Footage: 2,500 Sq. Ft. (47%) Increase.

10. Request: Office Addition - Detroit Lakes 183,200

Justification: An addition is necessary to provide adequate space for present operations and to relocate some functions within the office area. The soils laboratory area is not adequate to accommodate some of the equipment being utilized during the past 5 years. The permits section is located in the basement and should be located near the entry area. The present location of the Ozalid blue printing machine causes fume problems within the building, a separate vented room is needed. A separate room is needed to locate the new computer & typewriter equipment for the location and survey section. A separate room is needed for the photo-log equipment as it is noisy to run the projection equipment in a large work area. Also the patrol rents from us and could be better located near the entry to provide security for the building.

Description: These funds will provide for an office addition of 3,540 Sq. Ft. which will close in a courtyard area between the office and shop areas. By placing a 78 Ft. section of outside wall it will replace 218 lineal feet of exterior wall in the present structure. A very functional office arrangement will result and it will remove a large area of single glazed window area from the shop which would have to be dealt with soon.

Alternatives Considered: We have considered leasing space in downtown Detroit Lakes but rejected that due to cost and inefficiency of splitting up office sections. We considered remodeling of a present

DETAIL SECTION (Continued)

cold storage structure adjacent to the main structure and moving laboratory & construction office functions to this area. However, the high cost of providing utilities, insulating, and relocating the laboratory equipment was prohibitive in relation to the present request. The addition requested would allow all office functions to remain together, provide better access to the public who utilize our services, and help with energy efficiency of the present structure by eliminating single glazed windows.

Estimated Costs: Prepared by Paul Jensen, Building Engineer

a) Land Acquisition	None
b) Construction	165,000
c) Non-building Costs	
1. Architects Fees	13,200
2. Grading & Sidewalks	2,500
3. Landscaping	2,500
d) Total Project Cost	183,200
e) Total for this Request	183,200
f) Cost/Gross Square Footage (3300) Sq. Ft.	50.00

Space Released: None

Change in Annual Operating Cost: Minor Utility Cost

Existing Gross Square Footage: 16,726 Sq. Ft. Office (20% increase)

11. Request: Equipment Storage Addition - Oakdale 609,200

Justification: An addition to truck storage is necessary so that we can consolidate the Stillwater station with Oakdale, absorb some route assignments and equipment from the projected closing of St. Paul Park and provide space for the increased workload on I94 when it is completed to the Wisconsin state line. The Stillwater structure was built in 1938, is adjacent to a residential area and is only 1.2 acres in size. Without this addition, we cannot fully close Stillwater and St. Paul Park facilities.

Description: These funds will provide for a matching addition on the existing structure at Oakdale which will accommodate approximately 22 equipment units. The 80 x 200 foot space would be minimally heated and provide storage for the 6 trucks and support equipment from Stillwater, 7 trucks and related equipment transferred from St. Paul Park, and the 3 or 4 additional units to be added following future road openings. The seventeen trucks and support equipment will occupy all available space in the new addition.

Alternatives Considered: We have investigated ideas as to how to shield our operations at Stillwater & St. Paul Park from the adjacent residential neighborhoods but due to the size of our lots, it is not feasible. We do not feel that relocating the present operation elsewhere in Stillwater is feasible since Oakdale is close

DETAIL SECTION (Continued)

enough to operate out of, and there are some efficiencies gained by consolidating.

Estimated Cost: Prepared by Paul M. Jensen, Building Engineer

a) Land Acquisition	None
b) Construction	\$ 560,000
c) Non-building Costs	
1. Architects Fees	39,200
2. Grading & Surfacing	5,000
3. Landscaping	5,000
d) Total Project Cost	609,200
e) Total for this Request	609,200
f) Cost/Gross Square Footage (16,000) Sq. Ft.	35.00

Space Released: The existing 1.2 acres and structure at Stillwater could be sold. Following the completion of the Dakota County Building authorized by the 1978 legislature and the occupancy of a surplus building at Minnesota Veterans Home in Hastings, the 2.8 acre St. Paul Park facility can be sold also.

Change in Annual Operating Costs: Reduction of Utilities from two other Truck Stations.

Existing Gross Square Footage: 31,500 Sq. Ft. (50% increase)

12. Request: Equipment Storage Building - Grand Rapids 574,000

Justification: A new facility is needed to replace the existing facility at 505 8th Avenue West which was constructed in 1937 on a nine-tenths acre lot. The present facility is not sufficient in size, so we are renting 2500 square feet of space to supplement the existing structure of 2860 square feet. A construction office housing 18 personnel is also included in the rental building. Increased space will be needed shortly when the four lane divided highway is completed between Deer River and Cohasset.

Description: These funds would provide for a new Equipment Storage Building and construction office to house 12 maintenance personnel and equipment and 18 construction personnel & their equipment. It would also provide grading and surfacing, utilities, fuel dispensing system, security fencing and landscaping for a complete facility.

Alternatives Considered: To continue operating as is in a residential area and renting, which splits the locations is not feasible. Total leasing at a new site is not cost efficient over a 30 to 40 year life cycle. Therefore, in order to provide adequate space and combine operations for efficiency, the best alternative is to construct a durable new structure on a presently owned site southeasterly of Grand Rapids.

DETAIL SECTION (Contd.)

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer

a) Land Acquisition	\$ None
b) Construction	464,000
c) Non-building Costs	
1. Architects Fees	None
2. Equipment - Fuel Dispensing	20,000
3. Utilities	15,000
4. Grading and Surfacing	50,000
5. Security Fencing	15,000
6. Landscaping	10,000
d) Total Project Costs	574,000
e) Total for this Request	574,000
f) Cost/Gross Square Footage (15,000)	35.69

Space Released: The existing site at 505 8th Avenue West could be sold and the rental space would be released.

Change in Annual Operating Cost: Decrease of \$5,400 for rent and utilities would balance very closely.

Existing Gross Square Footage: 2860 owned, 2500 leased. (142% increase)

13. Request: Remodeling and conversion of surplus laundry building at Minnesota Veterans Home - Hastings into a Truck Station Facility.

Justification: Mn/DOT was approached in December, 1978 by the State Architects Office with the information that the Minnesota Veterans Home at Hastings had a surplus building which they were willing to give custodial control to another government agency to use as they could not make good use of this building. Due to size and structure of the building a truck storage facility was suggested.

This suggestion fits our long range plan very well as our ten year building program included plans for a request for a new facility in Hastings during F.Y. 1982-83. The timing of this proposed conversion will help us in closing the old St. Paul Park facility as soon as the new Dakota County facility is complete which was approved in 1978.

By implementing this proposal, it will save the state over \$500,000 not having to purchase additional land and constructing a new building in the near future.

Therefore, we have proceeded to inform the Minnesota Veterans Home of our intent to occupy the building and a minimal site adjacent to the building for a stockpile site.

Description: These funds would be used to convert the existing laundry building built in 1963 and an adjacent site to a truck station facility. Funds would be used for grading and paving of a storage site, remodeling of structural and mechanical portions of the building and reroofing since the roof leaks in several places now.

Estimated Costs: Prepared by Paul M. Jensen, Building Engineer

a) Land acquisition - by custodial control	\$ None
b) Construction - Remodeling and Reroofing	130,000
c) Non-building costs	
1. Architects Fees - Mechanical Consultant	3,000
2. Equipment - Fueling Island	20,000
3. Site Work - Clearing, Grading and Paving	30,000
4. Material for Chemical Storage Building	10,000
d) Total Project Cost	193,000
e) Total for this request	193,000

Space Released: The rental space at Dakota Count Shop would be terminated and St. Paul Park facility would be closed following completion of authorized Dakota County Facility.

Change in Annual Operating Costs: The utilities purchased from the Veterans Home would be relatively the same as compared to present rental cost at Dakota County Shop in Hastings.

DEPARTMENT OF TRANSPORTATION

PROJECT STATUS REPORT

Project	Appropriation/Year	Contract Date	12/1/78 Progress	Estimated Completion
<u>Equipment Storage Buildings</u>				
Blue Earth	103,000 / 1973	July '74	Completed 1975	
Caledonia	75,900 / 1973	Oct. '74	Completed 1975	
Fairmont	103,000 / 1973	July '74	Completed 1975	
Little Fork	86,000 / 1973	Oct. '74	Completed 1975	
Monticello	20,000 / 1973	Oct. '74	Completed 1975	
Moose Lake	85,000 / 1973	Dec. '74	Completed 1975	
Ortonville	66,000 / 1973	Oct. '74	Completed 1975	
Wells	86,000 / 1973	Nov. '75	Amended 1975 Ltg.	
<u>Planning Funds for New Headquarters Buildings</u>				
Willmar - Design				
Development	56,000 / 1973	Feb. '74	Completed 1975	
Marshall Construction	17,400 / 1973	Oct. '73	80% completed 1974	
Morris Documents	16,000 / 1973	Oct. '73	80% completed 1974	
<u>Land Acquisition</u>				
Duluth Dr. License	40,000 / 1973		Completed 1973	
Little Fork	10,000 / 1973		Completed 1974	
Milaca	10,000 / 1973		Completed 1974	
Monticello	10,000 / 1973		Completed 1974	
Chemical Storage Materials	175,000 / 1973		Completed 1974	
Misc. Materials & Improvements	70,000 / 1973		Completed 1975	
Scanlon Weigh Station	319,000 / 1973		Plans 80% complete (\$15,166 expended)	No Letting Planned
New Bldg. Contingency	177,000 / 1974		Completed 1976	
Design - Morris Hdqrs.	49,000 / 1974	May '74	80% complete	
Design - Marshall Hdqrs.	45,000 / 1974	May '74	80% complete	
<u>Equipment Storage Buildings</u>				
Bagley	109,200 / 1975	Aug. '75	Completed 1976	
Cannon Falls	103,345 / 1975	Aug. '76	Completed 1977	
Hibbing	148,050 / 1975	Oct. '76	Completed 1977	
Karlstad	82,990 / 1975	Aug. '75	Completed 1976	

PROJECT STATUS REPORT (Continued)

Project	Appropriation/Year	Contract Date	12/1/78 Progress	Estimated Completion
<u>Equipment Storage Buildings (Cont'd)</u>				
Nopeming	252,100 / 1975	June '76	Completed 1977	
St. Peter	136,212 / 1975	Dec. '75	Completed 1976	
Wells	64,910 / 1975	Nov. '75	Completed 1976	
New Bldg. Contingency	134,521 / 1975		Completed 1978	
<u>Land Acquisition</u>				
Sandstone	5,000 / 1975			April 1979
Hibbing	25,000 / 1975		Completed 1976	
International Falls	6,500 / 1975			April 1979
Albany	10,000 / 1975		Completed 1977	
Anoka	40,000 / 1975		Completed 1976	
Contingency	12,975			April 1979
Chemical Storage Materials	158,500 / 1975		Completed 1977	
Misc. Materials & Improvements	416,752 / 1975		87% complete	Sept. 1979
<u>Equipment Storage Bldg. & Misc.</u>				
Eden Prairie	780,000 / 1976	Oct. '76	99% complete	June 1979
Willmar Dist. Hdqrs.	2,539,700 / 1978		In Detail Design	Letting March 29, '79
<u>Equipment Storage Buildings</u>				
Dakota Co. (including land)	849,000 / 1978		locating site	
Waseca	163,500 / 1978		Prelim. Design	Fall 1979
Slayton	158,050	July '78	Occupied Dec. '78	June, 1979
Milaca	158,050	July '78	Under Constr.	July, 1979
Deer River	168,950	Aug. '78	Under Constr.	July, 1979
Zumbrota	158,050		Detail Design	Fall 1979
Hawley	147,150	Aug. '78	Under Constr.	July, 1979
McGregor	207,100		Detail Design	Fall 1979
Anoka	417,880		Constr. Documents	Spring 1980
Wabasha	176,200		Prelim. Design	Spring 1980
Contingency	586,148		17% Encumbered	
Energy Construction Supplement	20,000		Prelim. Design	with Waseca

PROJECT STATUS REPORT (Continued)

Project	Appropriation/Year	Contract Date	12/1/78 Progress	Estimated Completion
<u>Equipment Storage Buildings (Cont'd)</u>				
Planning of Hdqrs., Central Shop & Metro Facilities	40,000		Gathering Data	
Energy Conservation Remodeling Traffic Management Center	28,000		Design Completed	June 1979
Chemical Storage Sheds	47,000	Aug. '78	Completed Dec. 1978	
Misc. Repair & Remodeling	616,940		54% completed	

MINNESOTA DEPARTMENT OF TRANSPORTATION
DETAIL SECTION

Interstate Rest Area Program

Beginning in 1967, Mn/DOT proposed development of a network of 30 Interstate safety rest areas and 6 combined Travel Information Center/safety rest areas. The primary objective is to provide safe stopping points for the highway traveler with parking areas and such facilities deemed necessary for his rest, relaxation, comfort and information needs. The Interstate Safety Rest Area development program is an integral part of the Federal Aid Interstate highway program, and as such is funded with 90 - 10 monies through the Federal Highway Administration. To date, Mn/DOT has completed or is in the process of completing 29 rest areas and travel information facilities.

The request which follows is necessary to complete the remaining 5 Interstate rest area projects. This request, as part of the Federal-Aid-Interstate program, is backed by 90% Interstate funding.

Building and project development costs have increased substantially since the initial building appropriations in 1967. Increases have been due to growing costs for construction, labor, materials, design fees, new energy policies and general inflation. In an effort to keep pace with these cost increases, Mn/DOT has continually adjusted available appropriations for this purpose in order to cover current building construction costs.

Approval of this request will allow the remaining 5 building projects to continue on schedule thus minimizing future inflationary cost increases.

INTERSTATE REST AREA DETAIL

<u>PROJECTS</u>	<u>ESTIMATED LETTING</u>	<u>ORIGINAL APPROPRIATIONS</u>	<u>REMAINING APPROPRIATIONS</u>	<u>PROJECTED DEVELOP. COST</u>	<u>ADDITIONAL APPROP. REQUIRED</u>	<u>REMARKS</u>
I-90 W.B. Oakland Woods (Albert Lea) (8 fixtures)	11-16-79	\$71,500 (1973) 21,625 (1975)	-0-	*136,000 (1280 sq. ft.)	\$136,000.00	Project currently in detail design stage. G&S scheduled for 3/23/79. R/W acquired. Water well completed.
I-90 E.B. Albert Lea Lake (8 fixtures)	5-23-80	\$71,500 (1973) 21,625 (1975)	-0-	*136,000 (1280 sq. ft.)	\$136,000.00	Currently in preliminary design and R/W acquisition stage of development G&S scheduled for 8/24/79. Water well complete.
I-94 W.B. St. Croix Info Center (12 fixtures & travel information facilities)	7-83	\$135,000 (1971) 41,175 (1975)	\$25,565.00	*262,000 (2640 sq. ft.)	\$236,435.00	Project development depends on construction scheduling of I-94 from I-694 to St. Croix River. Project could be accelerated, but would require additional funding for bldg. development.
I-35 S.B. Pine City (12 fixtures)	1-25-81	\$75,000 (1969) 20,800 (1975)	-0-	*162,000 (1640 sq. ft.)	\$162,000.00	This rest area development tied to the upgrading of CSAH 11 Henrietta Road at Pine City.
I-35 N.B. Culkin Prop. (Otter Creek) (8 fixtures)	Unscheduled	\$95,000 (1971) 3,975 (1975)	-0-	*136,000 (1280 sq. ft.)	\$136,000.00	Deferred to determine future needs for this section of Interstate based on development of Voyageurs National Park
TOTAL					\$806,435.00	

*Estimated costs based on the number of fixtures/building using F.H.W.A. guidelines established in May 1974 and revised according to the current Boeckh Building cost modifiers. Statewide averages for Volumes 2 and 3 for reinforced concrete Frame B. Budget figures may vary depending on date building is let out for bids.

INTERSTATE REST AREA STATUS REPORT

EXISTING REST AREA BUILDINGS

I-35 Albert Lea Information Center	- complete and in operation
I-35 Forest Lake Rest Area	- complete and in operation
I-35 Goose Creek Rest Area	- complete and in operation
I-35 Kettle River Rest Area	- complete and in operation
I-35 General Andrews Rest Area	- complete and in operation
I-35 Thompson Hill Information Center	- complete and in operation
I-90 Dresbach Information Center	- complete and in operation
I-90 Enterprise Rest Area	- complete and in operation
I-90 Marion Rest Area	- complete and in operation
I-90 High Forest Rest Area	- complete and in operation
I-90 Des Moines River Rest Area	- complete and in operation
I-90 Clear Lake Rest Area	- complete and in operation
I-90 Adrain E.B. Rest Area	- complete and in operation
I-90 Adrain W.B. Rest Area	- complete and in operation
I-90 Beaver Creek Information Center	- complete and in operation
I-94 Elm Creek Rest Area	- complete and in operation
I-94 Fuller Lake Rest Area	- complete and in operation
I-94 Burgen Lake Rest Area	- complete and in operation
I-94 Lake Latoka Rest Area	- complete and in operation
I-94 Lake Hansel Rest Area	- complete and in operation
I-94 Lake Iverson Rest Area	- complete and in operation
I-94 Moorhead Information Center	- complete and in operation

REST AREA BUILDINGS UNDER CONSTRUCTION

I-35 Straight River Rest Area S.B.	- to be completed March 1, 1979
I-35 Straight River Rest Area N.B.	- to be completed March 1, 1979
I-94 Enfield Rest Area	- to be completed October 1, 1979
I-94 Middle Spunk Lake Rest Area	- to be completed July 1, 1979
I-94 Big Spunk Lake Rest Area	- to be completed July 1, 1979
I-90 Blue Earth E.B. Rest Area	- to be completed July 1, 1979
I-90 Blue Earth W.B. Rest Area	- to be completed July 1, 1979

REST AREA BUILDINGS BEING DESIGNED

I-35 Heath Creek Rest Area	- scheduled for letting May 25, 1979
I-35 Scott County Line Rest Area	- scheduled for letting May 25, 1979

MINNESOTA DEPARTMENT OF ECONOMIC SECURITY

REQUEST: Economic Security Minneapolis Area Office
Renovation, 309 Second Ave. So., Minneapolis

JUSTIFICATION: Built in 1958 with third floor added in 1971. 1978 property assessment of \$1,480,000. An Architectural survey will be available in March to specify exact requirements. The space can be more efficiently used with changes in walls and location of client services. This building is our main downtown office. No state funds have been used for remodeling purposes since this building was constructed. Minor modifications have been made with federal available to renovate this state-owned property. The building has many deficiencies of a structural nature causing leakage and deterioration.

DESCRIPTION:

- A. Plaster and window ventilation
- B. Interior modifications.

ALTERNATIVES CONSIDERED: Do nothing.

ESTIMATED COSTS PREPARED BY: Len Stanmore, Arch. & Engineering Div.
Department of Administration

Gary Dodge, Management Support Division
Department of Economic Security

Repairs and renovation	\$ 550,000.00
Non-building costs	
Architects fee	\$ 60,000.00
Total project cost	\$ 610,000.00
Total for this request only	\$ 610,000.00
Cost/gross square footage - $\$610/56 = \$11/\text{SF}$	
Cost/assignable square footage	

SPACE RELEASED: None.

CHANGE IN ANNUAL OPERATING COST: Unknown.

MINNESOTA DEPARTMENT OF ECONOMIC SECURITY

REQUEST: Economic Security Administration Building
Renovation, 390 North Robert, St. Paul.

JUSTIFICATION: Structural improvements consist of converting basement warehouse space to office use, improving material handling in warehouse, outside surface caulking, skyway entrance door. Interior modifications include floor covering, open space conversion of floor-to-ceiling walls for improved space use. This building was constructed in 1967 and has had minor remodeling. No federal funds are available to make these major changes in building utilization of a state-owned property. These changes will result in reduced use of leased properties in downtown St. Paul.

DESCRIPTION:

- A. Structural Improvements
- B. Interior Modifications

ALTERNATIVES CONSIDERED: Do nothing.

ESTIMATED COSTS PREPARED BY: Gary C. Dodge, Management Support Division
Department of Economic Security

Repairs and Renovation	\$ 426,000.00
Non-building costs	
Architects fee	\$ 35,000.00
Total project cost	\$ 461,000.00
Total for this request only	\$ 461,000.00
Cost/gross square footage - $\$461/106 = \$4.4/\text{SF}$	
Cost/assignable square footage	

SPACE RELEASED: Leased property

CHANGE IN ANNUAL OPERATING COST: \$50,000