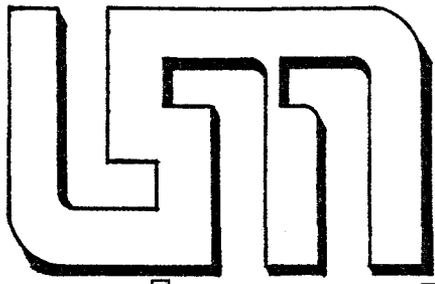


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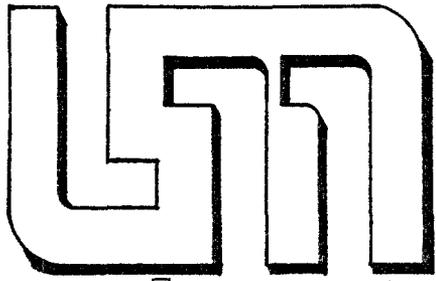


**progress report
on planning**

university of minnesota

**submitted pursuant to chapter 8, section 18
of the 1967 legislative session laws**

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TWIN CITIES CAMPUS

MASTER PLANNING

In 1975, the President appointed the Planning Council as an advisory group to his office. It includes members of the faculty and student body as well as representatives of central administration, the Council of Academic Officers, and the coordinate campuses. The Council is currently discussing alternative planning mechanisms. During the past nine months, under the chairmanship of the Vice President for Administration and Planning, the Council has addressed the design and establishment of a planning process and has arrived at a recommendation for initiating a formal planning process at the University. This process is built on a framework that requires the University, as well as each academic and non-academic unit, to identify its mission, goals, objectives, priorities, and operating assumptions. As envisioned, the University would ultimately have specific institution-wide goals that correlate with its mission, a series of program objectives which flow from these goals, and a set of operating priorities which would aid budgetary decisions. Similarly, colleges and support units would have a like set of planning materials to aid them in decision-making.

The focus of the Planning Council for the 1978-79 academic year is on the development of recommendations to improve resource allocation processes, on the development of policy analysis and data base capability and on the development of an institution-wide approach to the articulation of mission, goals, objectives and priorities.

The major thrust of physical planning activity during the last year has been based on the Long Range Development Plan Framework for the Twin Cities Campus, Minneapolis, adopted in principle by the Board of Regents in January 1976. While concerned with the Minneapolis Campus, the planning framework affects

the entire Twin Cities Campus, particularly in the area of transportation and parking. It is one of a series of planning reports which together form the Long Range Development Plan for the Minneapolis Campus.

A Long Range Development Plan ensures that the physical environment will suit the needs of its users and enables institutional goals and decisions to be realized. The plan is the vehicle to get things built or grown or maintained or preserved in a rational manner. Generally the plan calls for:

1. Continued improvement of academic space through extensive renovation and some new construction coordinated with social, commercial and common space activities;
2. Development of passive and active recreational components of a consolidated open space system;
3. Full implementation of the parking, transit, auto movement, and circulation aspects of a recommended vehicular system plan.

As part of the implementation of the transportation element of the Framework Plan for the Minneapolis Campus, an interagency study was conducted to look at the recommended plan in greater detail. Staff time and funds for this study were provided by the Cities of Minneapolis and St. Paul, the Metropolitan Council, Minnesota Department of Transportation, Metropolitan Transit Commission, and the University of Minnesota.

The plan completed in July 1978, includes an intercampus busway coupled with "remote intercept" parking facilities. It is designed to reduce the costs and increase the efficiency of intercampus transit as well as reduce other negative auto-related impacts in residential neighborhoods surrounding the University.

A funding request for implementation of the plan's transit facilities was included under the I335 Interstate substitution program. This request is currently being reviewed by the Department of Transportation and approval is expected in 1979.

Not specifically addressed in the Long Range Development Plan Framework for the Twin Cities Campus, Minneapolis, but part of the general planning matrix for the entire Twin Cities Campus are the following:

Signage and Graphics Program -- The standardization of signage and graphics has been continued in new construction projects and major remodeling, with the development of specific signage hardware as dictated by special needs. In addition, the following special programs have been initiated or completed:

1. Implementation of smoking regulation signage on all campuses of the University in accordance with the Minnesota Clean Indoor Air Act;
2. Implementation of a building address signage system for the Minneapolis Campus;
3. Research into signage systems for the visually handicapped;
4. Publication in March 1977 of a design manual titled, Signage and Graphics Standardization Program for the University of Minnesota.

Aid to the Physically Handicapped -- An on-going program of making older buildings accessible to the physically handicapped has been in progress for some time. Curb cuts, ramps to entrances, special lavatory facilities, and wider doors are a few of the improvements being made. The Legislative appropriated \$300,000 in 1973, \$400,000 in 1976 and \$1,000,000 in 1978 to continue these efforts. These funds have been committed to the removal of existing architectural barriers, and fifty University buildings throughout the system have been made either totally or partially accessible to the physically handicapped. On the Twin Cities Campus, where parking had been a problem, a new system has been implemented to provide centrally located parking spaces designated for the disabled.

Grid-Connected Integrated Community Energy System (ICES) -- Under contract with the department of Energy, the University agreed in February, 1977 to undertake a feasibility study to determine the cost- and energy-effectiveness of an integrated community energy system. This study is fully funded by the Department of Energy. The Grid-ICES concept offers improvements in the efficient use of primary and secondary energy sources (coal, oil, gas, hospital wastes) and economic improvements in the production of end-use energy (steam, electricity, hot water). Further, cogeneration of steam and electricity can result in a fifty-six percent saving of fuel needed to produce electricity alone.

Health Sciences -- Planning for the Health Sciences, first initiated on a concerted basis in 1966, continues. The Office of Physical Planning's Health Science Planning Office handles a broad spectrum of activities ranging from assistance in the preparation of state legislative requests and federal grant applications at the onset of projects to overseeing the completion of construction and the occupancy of newly constructed and remodeled facilities.

Based upon the 1969 Legislative support of the University's plan to increase health manpower education, planning has continued for the physical facilities which will accommodate the Health Sciences program expansion. The major new units involved in this program expansion, together with remodeling of existing areas to accommodate Basic Sciences departments, the School of Public Health, the Medical School, and the University Hospitals, include:

Unit A, which houses the School of Dentistry and provides some space for the Basic Sciences, Medical School and School of Public Health;

Unit BC, which provides space for the Medical School clinical program, the Hospital Outpatient Department and other supporting units;

Unit K/E, which is the Cardio-Vascular Research Center and Receiving and Storage Facility for the Health Sciences Complex and the unit for which there are now schematic plans for an addition to house hospital functions; and

Unit F, which will be occupied by the College of Pharmacy and the School of Nursing.

Occupational Safety and Health Act Projects -- Miscellaneous projects to correct safety-related deficiencies in various Twin Cities and outstate campus buildings have been undertaken. Among such projects are the enclosure of interior stairwells in four Twin Cities Campus buildings and the construction of three ventilated and fire-proofed workrooms in the Bell Museum of Natural History.

Landscape Planning -- Landscape planning has always played a significant role in new construction and major remodeling as well as in the development of parking lots, athletic fields, and ground maintenance. With the rapid demise of the elm and oak tree population due to disease, landscape planning has become even more important for the restoration of trees and shrubbery appropriate to terrain, climate, and the need for variegated planting. The campus tree replanting master plan is being implemented with funds provided by the Legislature as part of a six-year replanting funding request.

Updated University traffic and parking regulations will protect tree plantings against possible damage.

Energy Retrofit, University-Wide -- Contracts have been awarded to connect various buildings to the building systems automation system on the Minneapolis and Duluth Campuses. This includes nine buildings on the Minneapolis Campus and six buildings on the Duluth Campus.

Energy Conservation, University-Wide -- As part of a project being conducted for the Twin Cities Campus Energy Committee, the Office of Engineering and Construction is presently studying the total energy consumption in Alderman Hall and in the Space Science Center. When completed, this study will indicate the pattern of energy use and will form the basis for a number of recommendations on energy conservation.

COMMUNITY RELATIONS

Community involvement and participation are integral to University planning activity. Because of the University's substantial long range planning program, this involvement has necessarily intensified and expanded.

In general, community participation in University planning for the Twin Cities Campus, Minneapolis, engages three areas:

1. The four residential neighborhoods of Cedar/Riverside, Motley/Prospect Park, U.D.I.A., and Como.
2. The private institutions located adjacent to the West Bank Campus, Augsburg College, St. Mary's Hospital, and Fairview Hospital (West Bank Process Committee).
3. The various public agencies and jurisdictions which must necessarily be involved in University planning efforts. Some of these are the City of Minneapolis, the Metropolitan Transit Commission,

the Metropolitan Council, State and County Transportation Departments, and the Minneapolis Department of Education.

The Office of Physical Planning is represented on the Board of Directors for the 2nd Southeast Corporation. This group involves itself with the upgrading and renovation of housing in neighborhoods which interface with the University as well as concerning itself with stabilizing the family occupancy of these neighborhoods.

The Office of Physical Planning's representative in the Community-University Breakfast Group meets with community representatives once a month to review planning issues involving the University and the City of Minneapolis.

Two community organizations adjacent to or in the vicinity of the Twin Cities Campus, St. Paul, are the St. Anthony Park Association and the South St. Anthony Park Association. The University maintains contact with both groups as well as with the District 12 Planning Council of which both groups are members. The Council also has representation from the Midway Area Business Association. The Office of Physical Planning has a representative who sits on the Council and participates in subcommittee meetings and activities. In addition, the Physical Planning staff meets with residents of both the University Grove Association and representatives of the Falcon Heights community to discuss issues of mutual concern.

The Physical Planning staff maintains contact with various student housing committees such as the Commonwealth Terrace Cooperative, a 502-unit housing complex on the St. Paul Campus, and the residents of the Como Avenue Housing Cooperative in Minneapolis. Communications also are maintained with the various fraternity and sorority houses adjacent to the St. Paul Campus.

The University's Office of Physical Planning maintains communication with a number of public agencies with which University operations interact and, conversely, whose activities may impact on the St. Paul Campus. Among these are the Cities of Falcon Heights, Roseville, and Lauderdale, the City of St. Paul, Ramsey County, Ramsey County Historical Society, and the Minnesota State Fair Board. Matters of utilities, drainage, water supply, vehicular traffic, parking resources, land use, and the like are typical items of mutual concern.

Minneapolis, Projects Completed:

BOTANY BUILDING REMODELING: Funds were provided by the 1976 Legislature to upgrade life-safety code requirements in the Botany Building. The project provided enclosure of an open stairway and installation of fire alarms. The work was completed in the Spring of 1978.

JOHNSTON HALL REMODELING: Major remodeling of the basement and first floor for the College of Liberal Arts has been completed.

CENTENNIAL HALL WINDOW REPLACEMENT: Approximately 900 windows in Centennial Hall were replaced with new energy-saving windows. Completion date was October of 1978.

PIONEER HALL RENOVATION: The living quarters have been updated to comply with current OSHA and Life-Safety Standards. Ninety percent of the windows have been replaced with thermo-break, energy-saving windows.

SURGICAL PATHOLOGY RENOVATION: Renovation of 2,235 square feet on the fifth floor of Jackson Hall was completed in January of 1978.

UNIVERSITY HOSPITALS' WAREHOUSE: A medical supply warehouse and distribution facility was completed in November of 1978 using \$1.2 million from Hospital reserve funds.

EAST BANK BOOKSTORE/ADMISSIONS AND RECORDS FACILITY (Williamson Hall): This facility was completed and occupied in June 1977. Construction of the solar collector is in progress. Anticipated completion date is late Spring 1979.

STUDIO ARTS BUILDING ADDITION: Phase I of a 10,000 square foot addition to the existing art facilities on the West Bank was completed in the Spring of 1978. Construction documents for Phase II of the project were completed and bids were rejected. The project will be rebid in early Spring of 1979.

Minneapolis, Projects in Progress:

CIVIL/MINERAL ENGINEERING: The Building Advisory Committee completed the building program in October 1978, the architect completed schematic design in February 1979, and the Regents approved the building concept at their February meeting. Construction funds have been requested in the University's 1979-80 Legislative Request.

MUSIC BUILDING: A Building Advisory Committee has prepared a revised draft of the previous program document. The site review for the proposed facility is being completed. The State Designer Selection Board will be asked to name an architectural consultant for the project.

WEST BANK UNION: This building will contain an auditorium, meeting rooms and student organization offices. A portion of the building will bridge Washington Avenue and provide an enclosed pedestrian link between the north

and south portions of the West Bank Campus. Construction bids for this \$1.9 million project were opened and awarded January 1979.

CHEMICAL ENGINEERING BUILDING: Remodeling the building's central core to meet OSHA requirements will be part of a major remodeling of the building.

COOKE HALL/NORRIS GYMNASIUM REMODELING: The Building Advisory Committee is in the process of refining the building programs. The buildings were surveyed and deficiencies were noted. The tasks necessary to correct these deficiencies will be prioritized after cost estimates have been prepared.

NICHOLSON HALL RENOVATION: A Building Advisory Committee has prepared a program document, and the architect has begun design work. Construction is expected to begin in the Spring of 1980.

SMITH HALL REMODELING: A Building Advisory Committee has been appointed and is proceeding with the development of program plans for this remodeling. The initial focus is on the completion of Laboratory Room 410 and the installation of fume hoods in Rooms 433 and 445. The development of program plans will determine the overall use of the building, and this will serve as a basis for calculating the cost to complete the renovation.

GRID-ICES PROGRAM: The University is presently pursuing contract negotiations with the Department of Energy for cost sharing on design and procurement for Phase III and IV of the Basic GRID-ICES Program. It is anticipated that the ICES cost-shared program will be presented to the Regents for approval in March 1979.

POLLUTION CONTROL AND HEATING PLANT EXPANSION: Pursuant to a 1978 Legislature appropriation of \$3,673,000, the University has completed purchase of

the retired Southeast Steam Plant, has completed installation of baghouses for pollution control on the existing Minneapolis Campus Heating Plant and has awarded contracts for construction of Stage 1 of normal expansion of the existing University Heating Plant. This construction is for Unitrain unloading of Western coal.

SEWER SEPARATION: The sewer separation program for the East Bank should receive Regent's approval in April 1979. At that time the University will advertise for bids with construction to begin in May 1979. The project is scheduled for completion in February 1980.

ST. ANTHONY STORM SEWER ASSESSMENT: As part of this construction project, the University will begin construction of an inlet structure in April of 1979 with an expected completion date of June 1979. The City of St. Paul's portion of the project is currently under construction, and they will bill the University when this sewer segment is completed.

CONVERSION OF PRIMARY ELECTRICAL SERVICES: Plans and specifications are in the process of being bid in early 1979. Funds were appropriated by the 1978 Legislature.

PRIMARY ELECTRIC SYSTEM: This project is under construction with funds appropriated by the 1978 Legislature. Completion is scheduled for June 1980.

HEALTH SCIENCES UNIT B/C: A portion of the interior shell space for this fifteen-story structure was completed and occupied in February 1979 by the Medical School and Hospital Outpatient facilities. Funds have been provided to complete the Eye Clinic for the Department of Ophthalmology and some hospital

areas such as Medical Records. The remaining interior shell space will be completed by private funds for which a major fund drive is currently underway.

HEALTH SCIENCES UNIT F: Construction on this structure which will house the School of Nursing and the College of Pharmacy is currently underway. Project completion is scheduled for the Fall of 1980.

BASIC SCIENCES REMODELING: The first phase of the remodeling project for the Jackson/Owre/Millard/Lyon Complex involved the construction of two mechanical towers. The second phase, which is nearing completion, involves remodeling of the interior finishings and mechanical systems. The entire project will be completed by mid-June 1979.

MASONIC-CONFERENCE ROOM AND NUTRITION GALLEY: Project consists of converting an unused kitchen area into a divisible conference room and Nutrition Department galley. Project completion is scheduled for the Summer of 1979.

MAYO - 20 MEV LINEAR ACCELERATOR: This project requires the construction of an underground facility to house a sophisticated piece of radiation treatment equipment. Completion is scheduled for the Spring of 1980.

St. Paul, Projects Completed:

CONTINUING EDUCATION FACILITY: This facility is complete and occupied. It contains meeting rooms, food service and office space for Continuing Education. It also serves as the initial link for the enclosed pedestrian street which will connect the Fairground Parking Lots with the campus, as recommended in the St. Paul Long Range Development Plan. An unfinished basement space was constructed under the building. Bids will be received in March 1979 for the completion of approximately one-half of the basement space.

GREENHOUSE AND HEADHOUSE: Construction of these facilities for the Department of Agronomy and Plant Genetics has been completed, utilizing funds appropriated by the 1976 Legislature.

HOME ECONOMICS: The Phase III remodeling work for Home Economics was substantially completed during the Fall of 1978.

ST. PAUL PRIMARY ELECTRIC, PHASE IV: This project was completed in June of 1978 with funds appropriated by the 1978 Legislature.

St. Paul, Projects in Progress:

VETERINARY MEDICINE, PHASE II: The program document and design development has been completed. Working drawings are scheduled for completion by May 1979.

VOCATIONAL/TECHNICAL EDUCATION: The Building Advisory Committee has completed its review and evaluation of the original program, and the architect has been selected. The schematic design was completed in January of 1979. Working drawings are scheduled for completion by June 1979.

EXPANSION OF INTRAMURAL SPORTS FACILITIES: The grading for this project was completed during the Fall of 1978. Seeding will be done during the Spring of 1979. Project completion is scheduled for September 1979.

LAUDERDALE COMPUTER CENTER/MECC OFFICES: Planning is currently underway for remodeling approximately 4,000 sq. ft. of warehouse space into offices. The construction should be completed by Fall of 1979.

MAINTENANCE AND CENTRAL STORAGE BUILDING: This facility, funded by the 1978 Legislature, is scheduled for completion in the Fall of 1979.

ST. PAUL STUDENT CENTER ADDITION: A major portion of the building expansion is underground and links the Student Center with Coffey Hall. The project was rebid in the Spring of 1978 and has a total project cost of \$4.1 million. Construction is underway, and completion is scheduled for Fall 1979.

LEARNING RESOURCES CENTER: Funds were provided by the 1976 Legislature for this project. The \$4.9 million facility will provide additional study stations, stack area, and new accommodations for the Instructional Resource Center currently occupying Temporary South of Coffey. The project was successfully rebid in November of 1978 and is now under construction. Completion is scheduled for early 1980.

GREEN HALL ADDITION: The schematic design for the Green Hall Addition, containing an auditorium, laboratories, offices, and student lounge space as well as an underground link to the Forest Products Building, is complete and forms the basis for the 1979-80 Legislative Capital Improvement Request for working drawing funds.

POULTRY RESEARCH AND TEACHING FACILITY: Program documents and schematics have been completed for this project which was partially funded by the 1978 Legislature. An architect has been selected for the design work.

SNYDER HALL REMODELING: The remodeling of various areas to meet minimum OSHA requirements has been deferred.

DULUTH CAMPUS

MASTER PLANNING

A major planning program similar to the one in St. Paul was initiated for the Duluth Campus in September 1979. A Planning Advisory Committee was appointed which held numerous meetings with neighborhood groups and public agencies such as the Head of Lakes Council, the City Planning Commission, and the State Highway Department. Faculty and students also participated in these meetings.

In May 1979, the Long Range Development Plan was presented to the Advisory Committee for review and comment. Two related reports -- the "Facilities Utilization Study" and the "Central Entrance Proposal" -- were completed subsequently. Both reports affected many of the recommendations in the 1973 Plan and therefore delayed completion of the report.

In May 1977 the Planning Advisory Committee was reactivated as a review body for the development of the updated Long Range Development Plan. Committee meetings were held twice a month for discussion of work in progress. A number of key issues were evaluated in detail such as space use and utilization, student housing, parking and campus boundaries.

A final draft of the updated Long Range Development Plan was adopted by the Board of Regents in December 1978. Copies of the report should be available in April.

COMMUNITY RELATIONS

In conjunction with efforts by the Duluth Campus administration, the Office of Physical Planning continues to maintain communication with city

and neighborhood groups, including the Duluth City Planning Office, the Duluth-Superior Council of Government, the Duluth Transit Authority, the U.S. Department of Agriculture, and the Duluth Area District Office of the Minnesota Highway Department.

Relationships with all groups have been extremely good in implementing projects of mutual concern such as the City Fire Station, Junction Avenue roadway project, and Junction Avenue student housing.

PROJECT PLANNING AND CONSTRUCTION

KIRBY STUDENT CENTER: The building was occupied in November of 1978.

HEALTH SERVICE BUILDING: Construction has been completed and the building is now occupied. Design work on graphics is currently in progress.

BASIC MEDICAL SCIENCE BUILDING: This project, funded by the 1973 and 1976 Legislatures, is substantially complete. The building was partially occupied in December 1978 and was fully occupied during Spring Quarter 1979.

HEALTH SCIENCES LIBRARY ADDITION: This project, funded by the 1973 Legislature, is substantially complete. Graphics have been designed and are ready for application. Anticipated occupancy is for the Spring of 1979.

ANIMAL RESOURCE IMPROVEMENT: Construction has been completed on the conversion of the swine facility at the UMD Field Study Center (Old Northeast Experiment Station) to a dog care facility. Occupancy is scheduled for early Spring of 1979.

BOILER ADDITION TO HEATING PLANT: Phase I of the boiler modification to the heating plant for the "Lower Campus" has been completed to meet MPCA requirements. Phase II of the project involves refinement of the system.

COAL GASIFIER AND HEATING PLANT MODIFICATIONS: Construction on the Duluth Gasifier was completed in September of 1978. The first start-up occurred in October and early November. There was a shutdown in November for minor modifications and repairs. The unit will again be started during February 1979 for an anticipated six months to one year continuous operation.

CAMPUS UTILITIES, WATER DISTRIBUTION IMPROVEMENT: The first portion of this project, which involves the development of a loop system for a water main to provide fire protection, was completed in the Fall of 1978; it provides service to the turnkey housing units. The second section of the loop will tie into Buffalo Street and will be completed in the Summer of 1979.

UTILITY IMPROVEMENTS: This project, involving storm sewer improvements, will be advertised for bids during the Spring of 1979. Construction should begin May 1, 1979 with an anticipated completion date of Summer 1979.

WATER DISTRIBUTION SYSTEM EXPANSION: Working drawings have been completed, specifications are in progress and bids should be received in April. Completion of this project funded by the 1978 Legislature is scheduled for September of 1979.

BUSINESS AND ECONOMICS BUILDING: The program document and design schematics have been completed on this project funded by the 1973 and 1978 Legislatures.

SOCIAL SCIENCES, HOME ECONOMICS, HUMANITIES AND ALWORTH HALL: Programming has been completed and the design staff has completed phases of the construction documents consistent with the \$218,292 appropriated by the 1978 Legislature. Renovation has begun in Home Economics and Social Sciences, third floor.

MORRIS CAMPUS

MASTER PLANNING

Previous planning studies prepared for the University of Minnesota at Morris have provided useful background data for developing plans for specific areas of the campus. They are also useful for developing updated planning documents consistent with the policies established for overall long range development planning and general University objectives.

COMMUNITY RELATIONS

A number of community and regional issues in the past have required supportive assistance from the Office of Physical Planning in the Morris area. Highway plans for by-passing the developed portions of the community have required cooperation and communication between the Morris Campus administration and the Office of Physical Planning and the City of Morris, Stevens County officials, and the District Highway Department Office. In the course of general planning, on-going discussions between the City staff, elected officials, and University staff have been held. On occasion, the Morris Campus administration and the Office of Physical Planning staff have also made formal presentations to the Morris City Planning Commission regarding campus plans and projects. Discussions have been held between the University and City representatives regarding the cooperative use and maintenance of the Morris Campus intramural fields.

PROJECT PLANNING AND CONSTRUCTION

The following projects have been completed, are under construction, or are being planned:

CAMPUS MALL ROAD: Phase II of a five-year reconstruction project was completed during the Summer of 1977. Lack of funding has prevented further progress on this project.

EAST CAMPUS ENTRANCE ROAD: Construction began in the Fall of 1977 on the Highway 59 bypass east of the campus and on the connecting entrance road to the campus. Work was completed in the Fall of 1978. Lighting will be completed in the Summer of 1979.

SOCIAL SCIENCE BUILDING: The Phase I basement remodeling of the Social Science Building was begun in the Spring of 1978 to improve the Psychology Laboratory.

CROOKSTON CAMPUS

MASTER PLANNING

An initial design framework planning study for the University of Minnesota at Crookston and the Agricultural Experiment Station at Crookston was completed in 1971. A data inventory has been formulated and reviewed by all interested participants, and work on specific areas of the campus is carried out as funding is made available.

One of the primary planning concerns at the Crookston Campus was housing. A new 48-student housing complex was opened for occupancy in the Fall of 1976, and a second 48-student housing complex was purchased from an Air Force missile base and erected at the Crookston Campus for occupancy in the Fall of 1977.

COMMUNITY RELATIONS

Efforts are being made to inform the community of Crookston on the work and plans which have been done and to coordinate future developments and needs of the University and the community. The College participates in a number of organizations such as the Crookston Joint Powers Committee, which is composed of the School District and the City Council. Although the Crookston Campus administration retains the prime responsibility for exchange with the community, the Office of Physical Planning has assisted the Crookston Campus administration when required.

An area-wide recreation and sports committee, in which the Office of Physical Planning participates, is currently working with the College as plans are completed for the physical education complex. The services of the facility will include: College of Physical Education, Intramural, Interscholastic and Community and Regional activities.

PROJECT PLANNING AND CONSTRUCTION

FOOD SERVICE BUILDING: The program document and working drawings for the building have been completed, and the ground has been broken. Completion is scheduled for April of 1979.

LEARNING RESOURCE CENTER ADDITION AND REMODELING: Groundbreaking ceremonies for this new facility funded by the 1976 Legislature were held in August of 1978. Project completion is scheduled for September of 1979.

ROAD AND CAMPUS IMPROVEMENT: The plans and design for this work which was funded by the 1978 Legislature have been completed; construction was partially completed during the 1978 construction season. The remainder of the project will be completed by July of 1979.

HEATING PLANT IMPROVEMENTS: A contract has been awarded for the installation of the new automated ash handling system utilizing funds appropriated by the 1978 Legislature. Project completion is scheduled for September 1979.

PHYSICAL EDUCATION BUILDING AND OUTDOOR RECREATION AREA: The Building Advisory Committee developed the facilities program, and the architect completed the schematic design in February 1979. The University is requesting construction funds from the 1979 Legislature.

WASECA CAMPUS

MASTER PLANNING

In 1971 a design framework was developed for the University of Minnesota at Waseca and the Southern Experiment Station at Waseca to assist in the siting of additional facilities. This plan is a working document that requires continual re-evaluation and updating.

COMMUNITY RELATIONS

The Waseca Campus administration is actively engaged in coordinating campus development with the City of Waseca's plans and needs. The Office of Physical Planning lends support to this effort by providing staff and materials as needed. For example, the University is now studying the City's proposal to site a water well for the City's water system on University property. In addition, the Campus administration holds annual "neighborhood meetings" with adjacent property owners and residents to discuss common concerns.

PROJECT PLANNING AND CONSTRUCTION

HOUSING: A 64-student housing project was completed for the Fall of 1978 occupancy.

PLANT SERVICES ADDITION: Construction is underway on this project which was funded by the 1976 Legislature. Completion is scheduled for the Spring of 1979.

CONSTRUCT AND EQUIP CLASSROOM/LABORATORY BUILDING AND ADDITION FOR

SPECIAL PURPOSE LABORATORIES: The design has been completed, and bids will be taken in Spring 1979. Start of construction is anticipated in May 1979.

OUTDOOR PHYSICAL EDUCATION FACILITIES: The design has been completed and has gone out for bid. Construction is scheduled for Summer of 1979, for this project funded by the 1978 Legislature.

GREENHOUSE: The schematic design was approved and construction is expected during the Summer of 1979 for this project funded by the 1978 Legislature.

SCHOOL FACILITIES RENOVATION: A draft of a program document was begun, but the project has been put on hold until internal decisions are made at the college and the new facilities construction is underway.

HEATING PLANT IMPROVEMENTS: The design work is in progress on this project which was funded by the 1978 Legislature. Completion of the work is expected by Fall 1979.

RESEARCH AND EXPERIMENT STATIONS

MASTER PLANNING

Planning at research and experiment stations is organized differently from the Coordinate Campuses. There is a Planning Coordinator for the research and experiment stations who serves as a liaison between their activities and the Office of Physical Planning. The goal of the Office of Physical Planning is to develop long range framework plans at each of the Stations for land use, circulation, and facilities development.

COMMUNITY RELATIONS

University-Community relation activities at the research and experiment stations are primarily the responsibility of the respective station administrations. The Office of Physical Planning does play a supportive role, providing technical expertise and assistance as required. The liaison between research and experiment stations and the local communities and government agencies is quite extensive and involves programmatic concerns as well as physical planning.

PROJECT PLANNING AND CONSTRUCTION

The following projects have been completed, are under construction, or are being planned:

AGRICULTURAL EXPERIMENT STATION-ROSEMOUNT:

A 60' x 100' clear span, metal clad machine shed with 40'-wide x 14'-high bi-fold door in each end has been constructed on the General Farm.

Bunk and bunk feeder installation is completed on the Dairy Farm.

A milk house on the Dairy Farm was remodeled to accommodate a new 2,500 gallon bulk milk tank.

A 40' x 100' machine modification, repair and storage building was constructed on the Agricultural Engineering Farm. Completion will be in Spring of 1979 when the concrete floor is poured.

Several sewage systems were repaired by installation of new field tile absorption systems.

A 16,800 bushel capacity crop dryer grain storage bin was installed on the General Farm.

Development of a program for the Legislative funded Feed Mixing and Handling Facility is complete. The State Architectural Selection Board selected Schipke Engineers as the consultant for the project.

The drilling of a 150 gpm well on the Agronomy Farm will be bid in 1979. This will supply water for research plots and will supply water for rice paddies which are to be constructed in the Spring of 1979.

Two igloos (ex-powder storage buildings) were converted into silage storage bunkers on the General Farm.

RESEARCH CENTER - ROSEMOUNT:

A second pole-type, open front building will be constructed on the Veterinary Medicine Farm.

NORTHWEST EXPERIMENT STATION - CROOKSTON:

A program for the field laboratory building is completed. First bid received

exceeded available funds. Revised bid documents will ask for proposals for spring 1979 construction. A contract for an on-site well has been let, and underground electric service is installed.

Completion of the storm drainage system and the road surfacing of the south entrance road benefits both the Technical College and the Experiment Station.

The \$35,000 appropriated for auditorium remodeling was asked to be reappropriated by the Legislature to be used for plans and specifications preparation.

NORTH CENTRAL EXPERIMENT STATION - GRAND RAPIDS:

Refurbishing of an addition to the old creamery building (No. 10) is completed.

Headhouse - Greenhouse funds were appropriated by the 1978 Legislature. Contracts were let and construction will be completed in Spring of 1979.

A small forestry storage building is under construction. Completion will be in 1979.

Planning is underway for a chemical storage facility which will be constructed in 1979.

Bids will be received for the construction of a silo in the Spring of 1979.

The availability of useful land continues to be monitored. Efforts will be made to negotiate a purchase whenever feasible.

WEST CENTRAL EXPERIMENT STATION - MORRIS:

The field drain tile installation has been completed.

The Highway Department has completed construction of a bypass between the college and the station, a new bridge across the river and a new road past

the Experiment Station.

Bituminous surfacing of the entrance road to and from the parking lot adjacent to the office is complete. The lighting will be installed in 1979.

A contract has been let for construction of a 60' x 160' machine shed in 1979.

A chemical storage building will be bid in 1979.

SOUTHERN EXPERIMENT STATION - WASECA:

The Office/Meeting/Laboratory Facility was completed and occupied on May 25, 1978.

The old office building was razed. No bids were received for its sale.

The program for a new Shop and Farm Operation Center has been completed and revised. Cost estimates for the original program exceeded the available funds. Bids will be taken for Spring 1979 construction.

A chemical storage building will be constructed in 1979.

The availability of useful land continues to be monitored. Efforts will be made to negotiate a purchase whenever feasible.

SOUTHWEST EXPERIMENT STATION - LAMBERTON:

A 5,500 bushel crop drier grain bin was installed.

Bituminous surfacing of the parking lot and entrance road is complete.

The west door of Quonset, which was damaged during a break-in, will be replaced by the installation of an overhead door.

An existing chemical storage room is being remodeled.

CLOQUET FORESTRY CENTER - CLOQUET:

Fume hood installation is completed.

Remodeling of kitchen facilities will be bid in 1979.

An addition to the staff cabin will be constructed in 1979.

A sewage effluent field tile absorption system will be bid in 1979. This solution is more acceptable than the requested polishing pond, and it was approved by the PCA.

An addition to the sewer system will be bid in 1979.

LAKE ITASCA FORESTRY AND BIOLOGICAL STATION:

Remodeling of the laboratory in Building 48 will be completed in the Spring of 1979.

Rehabilitation of the Assembly and Dining Hall will be rebid in the Spring of 1979. No bids were received in the Fall of 1978.

Planning is underway for the Resident Manager's house and office.

HORTICULTURE RESEARCH CENTER - EXCELSIOR:

A contract has been let for chain link fence installation on Farm No. 1. Completion is scheduled for 1979.

An irrigation well on Farm No. 2 was installed north of Highway No. 5.

The program for the pesticide storage facility to be constructed in 1979 is

underway.

Additional funds are requested from the 1979 Legislature to connect the sewer from Farm No. 1 to the Metropolitan Sewer System.

LANDSCAPE ARBORETUM - CHASKA:

A 2-foot contour map of the Landscape Arboretum was created from aerial photographs by Martinez Ortho-Mapping Corporation of St. Paul.

Bid documents for the conservatory greenhouse are all complete, and bids will be secured for Spring 1979 construction.

Bid documents for sanitary sewer connection will be bid for 1979 construction upon approval by the Metropolitan Sewer Board.

Dedication of Arboretum Drive to the University has been requested from Chanhassen and from Victoria.

Bid documents are being prepared for a machine shed to be bid for 1979 construction.

CEDAR CREEK NATURAL HISTORY AREA - BETHEL:

The program for remodeling of the laboratory is complete. Bid documents will be prepared for 1979 construction.

A new well was installed for supplying water to the duck ponds.

Plans are being developed for a 40' x 60' pole-type building.

ST. PAUL CAMPUS:

A headhouse and greenhouse for Agronomy and Plant Genetics is completed.

The program for a maintenance and central storage building is nearing completion. The State Architectural Selection Board will select the architect.

HORMEL INSTITUTE - AUSTIN:

Schematics have been completed for constructing and equipping a small animal holding facility. Rockey and Cheever are the architects.