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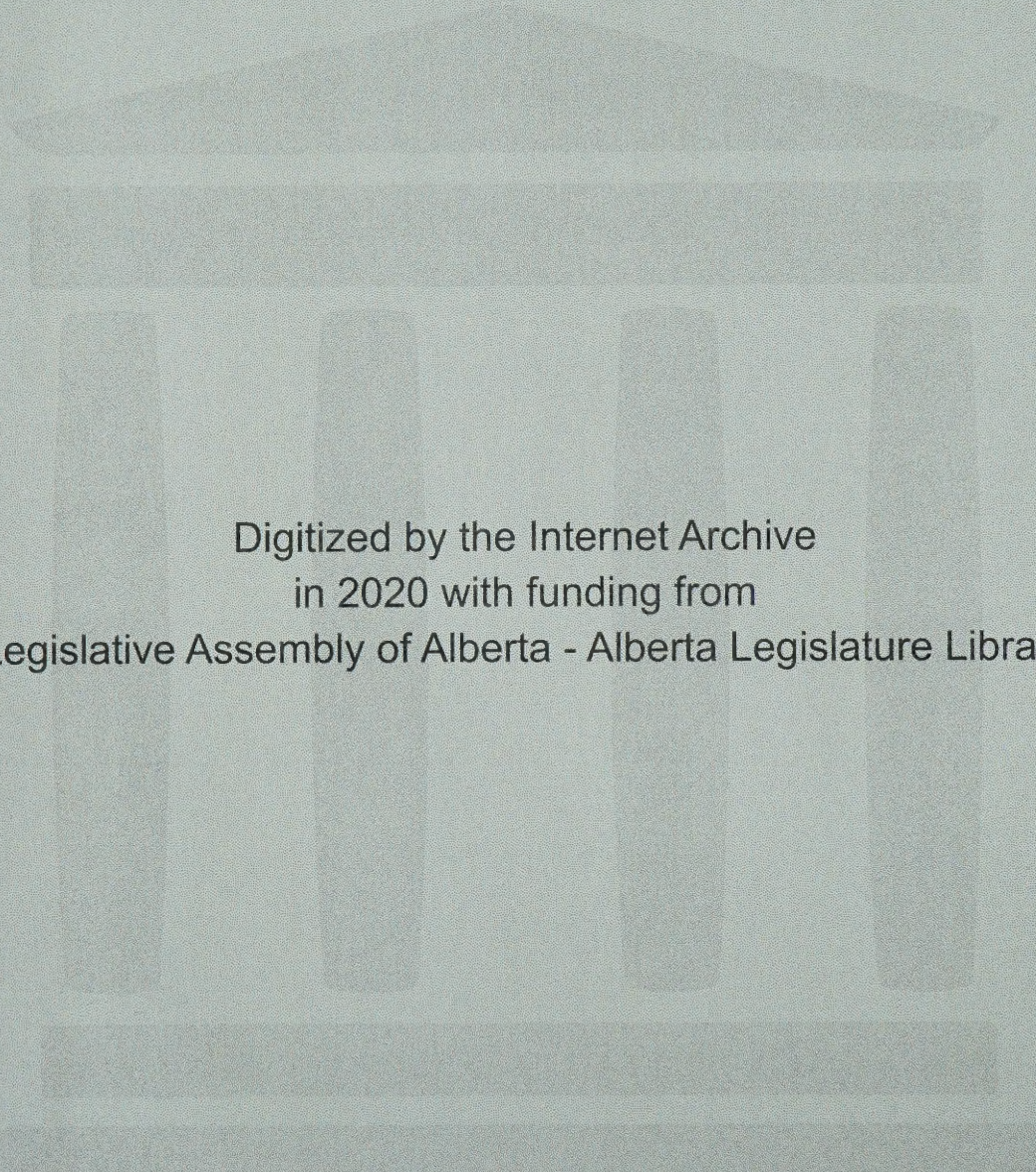
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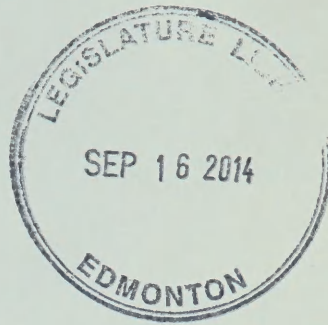
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**ANNUAL REPORT**  
**of the**  
**DEPARTMENT OF PUBLIC WORKS**  
**of the**  
**PROVINCE OF ALBERTA**  
**1968 - 1969**



The Honourable A. W. Ludwig, Q.C.,  
Minister of Public Works

Edmonton, Alberta,

October 1, 1969.

To His Honour J. W. Grant MacEwan,

Lieutenant Governor

of the Province of Alberta.

Sir:

The undersigned has the honour to submit herewith the report of the Department of Public Works for the year ended March 31, 1969.

Respectfully submitted,

A. W. LUDWIG, Q.C.,

Minister of Public Works.

68/69



Edmonton, Alberta,  
October 1, 1969.

To:  
The Honourable A. W. Ludwig, Q.C.,  
Minister,  
Department of Public Works.

Sir:

I have the honour to submit herewith a report covering the activities of the Department of Public Works for the fiscal year ending March 31, 1969. This report comprises:

1. a report on the functions of the department
2. an organization chart
3. detailed procedure on calling of tenders and award of contracts
4. a list of tenders called, bids received and contracts awarded
5. a list of projects completed in the fiscal year
6. a breakdown of paving and related work done at various government institutions
7. a list of all commissions awarded to architectural and engineering consultants during the year
8. Architectural Branch report
9. Southern Region Architectural Branch report
10. Engineering Branch report
11. Maintenance Branch report
12. Utilities Branch report
13. Stock Advance Branch report and statement of operation
14. Personnel Branch report
15. Construction Branch report
16. grants payable towards the cost of construction of swimming pools
17. Properties Administration Section report
18. The Crown Properties Municipal Grants Act showing grants paid in lieu of taxes
19. A table showing total expenditures over the last five years

During the fiscal year under review, the department undertook yet another heavy program of design, construction and maintenance. Our close liaison with the Alberta Construction Association has continued during the past year, and I am happy to report that both members of this department and of the Association are very satisfied with this relationship. The General Manager of the Association, or his representative, attends all tender openings and assists the Tendering Committee in reviewing bids in terms of compliance with the Alberta Bid Depository Limited regulations.



We are continuing to make minor changes in the internal organization in order to stabilize the establishment. In addition, changes have been made in the organization of the Physical Plant and Maintenance Branches as outlined in the report of the Personnel Officer.

The activities of the various operational committees of the department have, I believe, continued to be very successful during the past year. The processing of tenders, the allocation of space for government departments, the selection of private architectural and engineering consultants and other functions of the department have been carried out by the committees established for these various purposes. I am able to report that no complaints have been received from any source with regard to the activities of these committees. The method of processing tenders, in particular, continues to be satisfactory to the construction industry in the province.

The year under review has been another busy one; however, the staff of the department have responded in their usual cooperative manner to the various demands on their capability, and I wish to record my appreciation for their good work.

Respectfully submitted,

S. E. KENWORTHY,  
Deputy Minister of Public Works.

Chief Architect .....  
 Chief Engineer .....  
 Chief Estimator .....  
 Director of Physical Plant .....  
 Director of Property Services .....  
 Director of Maintenance .....  
 Director of Construction .....  
 Director of Property Administration .....  
 Director of Personnel .....

The department is also responsible for the services and maintenance of all provincial government-owned buildings, with the exception of various self-governing institutions such as the universities in education and health, and also requires the services of a large group of various skilled technical staffs. Engineers, planners, electricians and other tradesmen and other buildings in great regular numbers. The surrounding process which are also responsible for the people, vehicles keep the buildings clean, well-maintained and safe and the services about the buildings at night.

The extensive program of construction which we are carrying out requires not only the services of a large staff of architects, engineers, draftsmen, surveyors and planning experts but also the services and plans of the buildings and also the work of the construction staff, who are supported by a staff of private consulting architects and engineers. A major source of the engagement of consultants follows later in this report.





THE FUNCTIONS OF THE DEPARTMENT OF  
PUBLIC WORKS

The Department of Public Works is required to provide suitable accommodation, the necessary furnishings and equipment to all departments of the government so that the departments may carry out the various functions required of them. Such accommodation is provided in buildings rented, purchased or constructed by the Department of Public Works. The department is responsible for the construction of all provincial government buildings.

The chief officials of the department are:

Minister of Public Works .....	Honourable A. W. Ludwig, Q.C.
Deputy Minister of Public Works .....	S. E. Kenworthy
Assistant Deputy Minister of Public Works .....	G. D. Menzies
Director of Design and Construction .....	J. F. Hunt
Chief Architect .....	N. M. Fleming
Project Director (Calgary) .....	V. G. Bathory
Chief Engineer .....	H. H. Neelands
Director of Physical Plant .....	W. S. Davies
Director of Utility Services .....	L. A. Undershultz
Administrative Accountant .....	K. C. Thomas
Director of Maintenance .....	H. W. Brettelle
Chief Construction Engineer .....	E. M. Silver
Superintendent of Construction .....	H. O. Kinsey
Property Administrator .....	E. E. Wilson
Personnel Officer .....	W. A. R. Barry

The department is also responsible for the servicing and maintenance of all provincial government-owned buildings, with the exception of various self-governing institutions such as the Universities in Edmonton and Calgary, and this requires the services of a large group of men with assorted technical skills. Carpenters, plumbers, electricians and other tradesmen keep these buildings in good repair; gardeners maintain the surrounding grounds which are quite extensive at some points; caretakers keep the buildings clean; men operate the elevators and watchmen guard the buildings at night.

The extensive program of construction which we are presently undertaking requires not only the services of a large staff of architects, engineers, draftsmen, surveyors and building inspectors who design and plan the buildings and supervise the work of the contractors but, also, the engagement of private consulting architects and engineers. A resume dealing with the engagement of consultants follows later in this report.

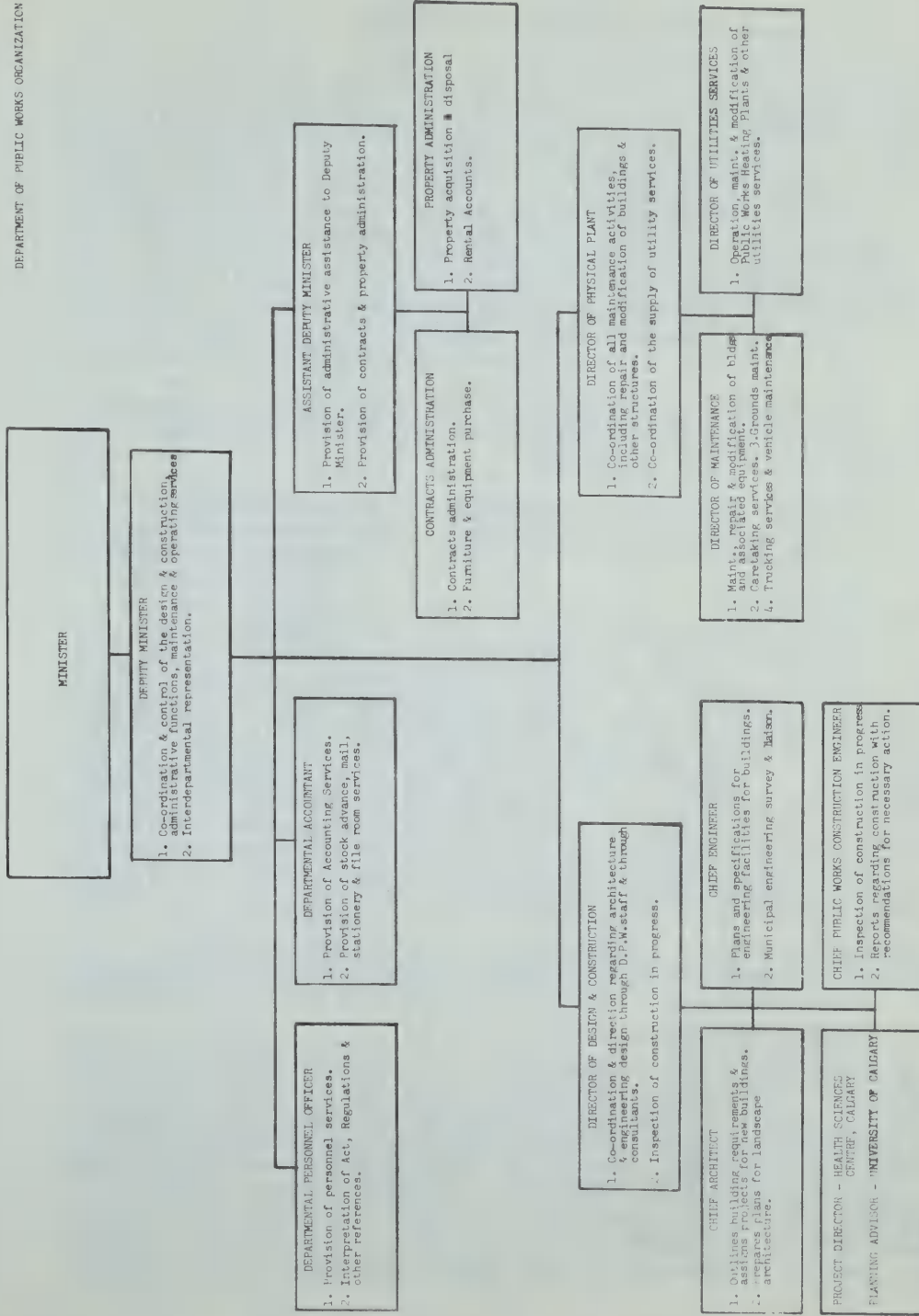
Some urgent and also minor construction work is undertaken by our own forces. Such work is kept to a minimum because it is the policy of the department to have whatever construction work necessary done whenever possible by the contractors. This requires the department to maintain a staff of tradesmen which is augmented by temporary staff as the requirements of the work necessitate. The department also operates various trade shops where furniture and equipment such as laboratory benches, etc., are made.

A group of engineers, firemen and tradesmen working under the Director of Utility Services is responsible for the supply of electric power, heat, water and sewage disposal at the twenty-two largest institutions. These men also design, install and maintain the special equipment necessary. At these institutions, farm machinery, milking, canning, laundry, kitchen and fire fighting equipment is maintained and kept in good repair by the staff. The utilities and maintenance service of a large institution is comparable to the servicing of a town of two or three thousand people.

The department has a number of other functions including the arrangements for the installation and rental of telephones, rental of parking stalls on government property in Edmonton and Calgary to civil servants and, when required, the buying and leasing of lands for building sites. The department was responsible for the renting to civil servants of government-owned residences located throughout the province (mainly at the provincial mental institutions and gaols) until January 1, 1969, at which time the Alberta Housing and Urban Renewal Corporation assumed the responsibility.

A large, modern garage located on the ground floor of Block "E", Terrace Building, Edmonton, services the automobile fleet of the government.





CALLING TENDERS AND AWARDING CONTRACTS

Departments of the government which need additional work space submit their space requirements to the Department of Public Works. If, in order to provide this additional space, a new building is deemed necessary, the Properties Section prepares a program of requirements for the architectural office. The architects, in turn, effect liaison with the departments concerned, and the actual space requirements and the purpose of the proposed building are determined. In cooperation with the departments which will be housed in the building, preliminary plans are drawn and, from such plans, an estimate of construction cost is obtained. A sum of money is submitted in the annual estimates for the next fiscal year for approval by the Legislature. The actual amount of money requested is dependent upon the amount of construction that this department estimates will be done in the following fiscal year. If actual construction is not expected in the following fiscal year, a nominal sum not exceeding \$10,000.00 is requested to cover preliminary investigations on the site, which may include soil testing and/or utility line relocations.

The design and basic construction and materials of which the structure will be built are determined by the Director of Design and Construction in consultation with his technical staff and with any private consultants who may have been commissioned. Their recommendations in the form of sketch proposals accompanied by a full report and budget are then submitted to the Deputy Minister for approval and referral to the user department. When the proposals are approved by the department concerned, the Minister of Public Works is requested to submit the proposal to the Treasury Board and to obtain approval to proceed with final plans. Detailed plans are then drawn and submitted for approval to the Deputy Minister, bearing the signatures of the Director of Design and Construction, the Chief Architect and the Chief Engineer. If approval is obtained from the Deputy Minister, the plans are then submitted to the Minister of the department concerned and this Minister is requested to sign the plans. Finally, the plans are submitted to the Minister of the Department of Public Works with a request that he obtain Treasury Board approval to call tenders on the project. When Treasury Board approval has been obtained, tenders are then called.

Advertisements calling for tenders are placed in the major newspapers throughout the province and in trade papers, and such advertisements usually run for a period of two days. Advertisements are also placed in newspapers of major centres across the country for tenders on larger projects.

The size of the project under construction determines the length of the "tender period". All tenders are opened in public at two o'clock on a Thursday afternoon in the Conference Room of the Department of Public Works. The department will consider the use of acceptable alternate materials to those specified during the tender period, but applications for such alternate approvals will not be accepted later than a stipulated period, usually fourteen days prior to the closing date of tenders. No request for the employment of alternate materials is considered after the contract has been awarded. When it is necessary to issue addenda approving alternate materials



or a change in design, such addenda are issued at least seven days prior to the closing of tenders and, incidentally, these addenda are sent by double registered mail to any contractor who has indicated his intention to bid on the project by obtaining plans and specifications. The plans and specifications are available by the payment of a nominal deposit to those firms registered in or eligible for registration in the Province of Alberta. This is refunded when the plans and specifications are returned to the department within a specified time limit. Additional copies of the plans and specifications are also sent to the Construction Associations in the major cities throughout the province and to the other major cities in Canada in the case of larger projects. Plan Room Services provided by these Associations to their members are of considerable benefit to the department, as trade contractors and suppliers who are otherwise unable to obtain plans and specifications may prepare their quotations using the facilities of the Associations.

During the past year, the department has continued to use the services of the Alberta Bid Depository for all contracts exceeding \$100,000.00. The Alberta Bid Depository is operated by the Alberta Construction Association, which represents the building industry in Alberta. This system requires all subcontractors to send to the Alberta Bid Depository any bids the subcontractor wishes to submit to a general contractor. The Alberta Bid Depository distributes to the general contractors the bids received from the subcontractors.

Each tenderer must submit with his tender a sum of not less than 10% of the total tender price or a stipulated amount. While such deposit is usually a Bid Bond, the department accepts cash, Dominion of Canada Bearer Bonds or a certified cheque. At the close of the tender opening, the tender deposits submitted by the two lowest tenderers are held pending a review of tenders. The lowest tender is checked carefully by the department Tendering Committee to ensure that it complies with the specifications and that all subcontractors are shown and that those shown are acceptable to the department. A bid sheet is prepared and signed by the committee that opened the tenders and is forwarded to the Minister of Public Works with a press release giving complete details. Following the Minister's approval, a letter of intent is forwarded by the department to the successful tenderer advising that contract documents are being prepared for his signature. The contract documents are prepared in duplicate and forwarded to the contractor. When returned properly signed by the contractor, they are then signed by the Minister of Public Works.

When the successful contractor returns the signed contract documents to the department, he may substitute his tender deposit with a Performance Bond. If he does not do this but leaves as a guarantee or security deposit the original certified cheque or replaces this cheque with Dominion of Canada Bearer Bonds equal to 10% of the total tendered price, the department retains as a holdback 10% of the total of each progress estimate. However, if the contractor does substitute a Performance Bond for his original tender deposit, the department retains 15% of the total of each progress estimate. It will thus be seen that when the contractor has completed the project, the department has either:

1. A certified cheque or Dominion of Canada Bearer Bonds equal to 10% of the total tendered price as a guarantee for the satisfactory completion of the contract and also a holdback equal to 10% of the total payments made by progress estimates, or
2. A Performance Bond as a guarantee for the satisfactory completion of the contract and also a holdback equal to 15% of the total payments made by progress estimates.

The department makes an inspection of the completed project and, if the contract has been completed to the satisfaction of the department, payment of the monies held back from the payment of each progress estimate is made to the contractor 30 days later. If the project is not completed to the satisfaction of the department, the payment of the monies held back from the payment of each progress estimate is withheld until all deficiencies have been corrected.

Performance Bonds expire one year after the acceptance of the project, thus providing a guarantee for that period. If a certified cheque or Government of Canada bonds equal to 10% of the tender price have been deposited as guarantee for the successful completion of the contract, the security deposit is returned to the contractor progressively during the warranty year.

On the following pages will be found a list of tenders called and contracts awarded during the fiscal year under review. Previous annual reports have included detailed descriptions of the majority of the projects under construction during the year. This section of the report has been discontinued; however, information on specific projects may be obtained by interested parties on application to the department. Such applications may be forwarded to the attention of Honourable A. W. Ludwig, Q.C., Minister of Public Works, Legislative Building, Edmonton, Alberta.



TENDERS CALLED AND CONTRACTS AWARDED

The following bids were opened in public and contracts awarded during the fiscal year which ended March 31, 1969. Bids marked with an asterisk were withdrawn by the tenderers before this department had forwarded a letter of acceptance to the bidder, or were rejected by this department because the bidder failed to comply with the regulations governing the submission of tenders. Where a valid low bid was withdrawn or rejected and the contract awarded to the second lowest bidder, authority for so doing was obtained by Order of the Lieutenant Governor in Council.

CONTRACT TENDERED FOR AND TENDERERSAMOUNT BID

BIOLOGICAL SCIENCES BUILDING, PHASE III,  
UNIVERSITY OF ALBERTA, EDMONTON. April 11, 1968.

Smith Bros. & Wilson Limited	\$ 2,850,000.00
Brown & Root Ltd.	2,422,000.00
Poole Construction Limited	2,388,119.00
Laing Construction & Equipment Limited	2,384,000.00
Christensen and Macdonald Construction Ltd.	2,359,110.00
Alta-West Construction Ltd.	2,353,207.00
Universal Construction Co. Ltd.	2,318,316.00
Burns & Dutton Construction (1962) Ltd.	awarded 2,313,000.00

ADDITION TO ALBERTA RESEARCH COUNCIL, UNIVERSITY  
OF ALBERTA, EDMONTON. April 18, 1968.

Fort Construction Company Limited	516,786.00
Universal Construction Co. Ltd.	507,000.00
Bird Construction Co. Ltd.	505,899.00
Alther Construction Ltd.	501,519.00
Norman Nilsen Construction Ltd.	494,951.00
W. J. Bennett Contractors Ltd.	492,143.00
A. V. Carlson Construction Ltd.	491,237.00
Camwil Construction Ltd.	484,300.00
Smith Bros. & Wilson Limited	483,657.00
Stuart Olson Limited	480,646.00
MacCalder Construction Co. Ltd.	478,500.00
Poole Construction Limited	awarded 472,045.00

KILLARNEY TREASURY BRANCH, EDMONTON. April 18, 1968.

McRae & Associates Construction Ltd.	90,580.00
Jason Construction Ltd.	89,292.00
P. W. Graham & Sons Northern Ltd.	86,730.00
Holzer Construction Ltd.	85,891.00
Hrudey Construction Ltd.	85,240.00
Westwood Construction (Edmonton) Ltd.	84,300.00
Norman Nilsen Construction Ltd.	83,333.00
M & M Construction Ltd.	82,990.00
Enterprise Building Contractors Ltd.	82,467.00
Joslyn & Olsen Contractors Ltd.	80,758.00
M. Dreweth Construction Ltd.	awarded 79,091.00

CONTRACT TENDERED FOR AND TENDERERSAMOUNT BID

HOME ECONOMICS, COMMERCIAL & ACADEMIC BUILDING,  
PHASE II, AGRICULTURAL & VOCATIONAL COLLEGE,  
VERMILION. April 25, 1968.

Bilodeau & Sons Construction Ltd.	289,900.00
Fort Construction Company Limited	282,953.00
Smith Bros. & Wilson Limited	268,855.00
McRae & Associates Construction Ltd.	264,206.00
Valere's Construction Co. Ltd.	260,461.00
Universal Construction Co. Ltd.	258,849.00
Parkins Construction Limited	254,800.00
Fraser & Sons Construction Ltd.	251,290.00
P. W. Graham & Sons Northern Ltd.	248,560.00
Poole Construction Limited	246,472.00
K. G. Myers Construction Ltd.	241,800.00
Briden Construction Ltd.	241,470.00
Joslyn & Olsen Contractors Ltd.	239,131.00
A. V. Carlson Construction Ltd.	225,852.00

awarded

DEMOLITION AND/OR REMOVAL OF DONALD H. BAIN  
BUILDING, 10257 - 108 STREET, EDMONTON.  
May 23, 1968.

Wallin Demolition & Trucking Co. Ltd.	17,900.00
Adby Demolition Co. Ltd.	14,495.00
J. B. McDonald & Son Contractors Edmonton Ltd.	8,969.70

awarded

PAVING AND RELATED WORK, PROVINCIAL BUILDING,  
OLDS. May 30, 1968.

Gallelli Construction Materials Limited	17,919.75
Pioneer Paving Ltd.	4,735.50
Border Paving Ltd.	3,640.25

awarded

SIGN, PAINT AND CARPENTER SHOP, DEPARTMENT OF  
HIGHWAYS, SOUTHEAST EDMONTON. June 13, 1968.

Universal Construction Co. Ltd.	746,000.00
Prism Construction Company Ltd.	735,223.00
Laing Construction & Equipment Limited	733,765.00
Parkins Construction Limited	733,300.00
P. W. Graham & Sons Northern Ltd.	727,523.00
W. J. Bennett Contractors Ltd.	725,875.00
H. D. C. Construction Co. Ltd.	720,013.00
Camwil Construction Ltd.	718,700.00
Christensen and Macdonald Construction Ltd.	715,526.00
State Construction Ltd.	715,000.00
Forest Construction Ltd.	714,595.00
Poole Construction Limited	713,638.00
Briden Construction Ltd.	709,400.00
Stuart Olson Limited	706,605.00
Harsim Construction Limited	699,290.00

awarded



<u>CONTRACT TENDERED FOR AND TENDERERS</u>	<u>AMOUNT BID</u>
TRANS CANADA HIGHWAY CAMPSITE, TILLEBROOK PROVINCIAL PARK. June 13, 1968.	
Borger Construction Limited	71,360.00
Dunford Construction Ltd.	59,187.00
Bird Construction Company Limited	56,000.00
Jason Construction Ltd.	49,850.00
	awarded
DAIRY CATTLE RESEARCH UNIT, UNIVERSITY OF ALBERTA FARM, EDMONTON. June 20, 1968.	
P. W. Graham & Sons Northern Ltd.	275,000.00
Laing Construction & Equipment Limited	272,400.00
Alta-West Construction Ltd.	254,000.00
Hrudey Construction Ltd.	253,435.00
Poole Construction Limited	249,073.00
Grady Construction Ltd.	247,822.00
Bird Construction Co. Ltd.	244,389.00
MacCalder Construction Co. Ltd.	243,000.00
Parkins Construction Ltd.	239,917.00
Jason Construction Ltd.	238,725.00
W. J. Bennett Contractors Ltd.	234,774.00
Camwil Construction Ltd.	233,800.00
Joslyn & Olsen Contractors Ltd.	232,966.00
D. S. Greenfield Construction Ltd.	232,900.00
Stuart Olson Limited	225,158.00
Universal Construction Co. Ltd.	203,793.00
	awarded
MECHANICAL AND/OR ELECTRICAL WORK FOR CASEWORK AND LABORATORY FURNITURE, ZOOLOGY WING, BIOLOGICAL SCIENCES BUILDING, UNIVERSITY OF ALBERTA, EDMONTON. June 20, 1968.	
<u>Mechanical</u>	
Meccon Installations Ltd.	309,876.00
S. E. Johnson Plumbing & Heating Ltd.	265,313.00
Canadian Comstock Co. Ltd.	202,215.00
Industrial Power Installations Ltd.	124,379.00
	awarded
<u>Electrical</u>	
Progress Electric Ltd.	18,433.00
	awarded
DEMOLITION AND LEVELLING TWO STOREY AND BASEMENT WALK-UP APARTMENT BLOCK, CALGARY. June 20, 1968.	
Avalon Contracting	7,300.00
A. B. C. Demolition	3,750.00
Bill Wearmouth Holdings Ltd.	3,625.00
Adby Demolition Co. Ltd.	2,492.00
	awarded

<u>CONTRACT TENDERED FOR AND TENDERERS</u>	<u>AMOUNT BID</u>
ADDITION TO COLD STORAGE BUILDING, PHASE I, OLIVER TREE NURSERY, EDMONTON. July 4, 1968.	
Werner Construction	33,358.00
H. W. M. Construction Ltd.	33,000.00
Nor-Way Construction Ltd.	31,596.00
Norman Nilsen Construction Ltd.	29,620.00
Alther Construction Ltd.	28,948.00
Holzer Construction Ltd.	27,622.00
Gill B's Construction	26,700.00
Watson (Tofield) Limited	awarded 25,095.00
PAVING AND RELATED WORK, DEPARTMENT OF HIGHWAYS DRIVER TESTING AREA, CALGARY. July 4, 1968.	
Standard-General Construction (International) Ltd.	38,426.00
Pioneer Paving Ltd.	36,462.00
Gallelli & Sons Company Limited	awarded 36,099.50
PAVING, STREET LIGHTING AND RELATED WORK, PHASE III, DEPARTMENT OF HIGHWAYS YARD, SOUTHEAST EDMONTON. July 4, 1968.	
O'Hanlon Paving Ltd.	146,785.52
Poole Engineering Company Limited	136,072.50
Everall Construction (Edmonton) Ltd.	126,673.90
W. C. Wells Construction Company Limited	awarded 117,945.40
GRADING, GRAVELLING, PAVING AND RELATED WORK, AGRICULTURAL AND VOCATIONAL COLLEGE, OLDS. July 4, 1968.	
Everall Construction (Edmonton) Ltd.	80,383.00
Gallelli and Sons Company Limited	66,248.00
Border Paving Ltd.	64,328.50
Pioneer Paving Ltd.	awarded 62,779.00
GRADING, GRAVELLING, PAVING AND RELATED WORK, AGRICULTURAL AND VOCATIONAL COLLEGE, FAIRVIEW. July 4, 1968.	
Everall Construction (Edmonton) Ltd.	awarded 94,312.00
GROUP "A" SALT STORAGE SHEDS AT ATHABASCA, CLYDE, EDSON, EVANSBURG, LEDUC, SOUTHEAST EDMONTON, CAMROSE, PONOKA AND OIL STORAGE SHED AT BRUDERHEIM. August 1, 1968.	
Bilodeau & Sons Construction Ltd.	102,500.00
Gill B's Construction	94,800.00
Brytex Metal & Covering Ltd.	82,949.00
M & M Construction Ltd.	awarded 65,943.00



CONTRACT TENDERED FOR AND TENDERERSAMOUNT BID

GROUP "B" SALT STORAGE SHEDS AT RED DEER,  
OLDS, DRUMHELLER, GLEICHEN AND OIL STORAGE  
SHED AT DRUMHELLER. August 1, 1968.

Bilodeau & Sons Construction Ltd.	57,200.00
W. R. Sandquist Construction Ltd.	50,533.00
Brytex Metal & Covering Ltd.	45,494.00
Crown Lumber Company Limited	42,820.00
Bird Construction Company Limited	42,270.00
Dunford Construction Ltd.	41,635.00
Celtic Construction Limited	39,985.00
A. Grieb Construction Co.	33,366.00
Wickhorst Construction	31,108.46

awarded

GROUP "C" SALT STORAGE SHEDS AT BONNYVILLE,  
ST. PAUL, TWO HILLS, VERMILION AND OIL  
STORAGE SHED AT VERMILION. August 1, 1968.

Bilodeau & Sons Construction Ltd.	56,300.00
D. A. McIntyre Const. Co. Ltd.	55,770.00
J. M. Clayton Construction Ltd.	51,750.00
Brytex Metal & Covering Ltd.	42,972.00
Wild & Welin Construction Ltd.	41,936.00
Nelson Lumber Company Ltd.	40,645.00
Alko Builders Ltd.	34,202.00

awarded

GROUP "D" SALT STORAGE SHEDS AT MEDICINE  
HAT AND FORT MACLEOD. August 1, 1968.

Bilodeau & Sons Construction Ltd.	25,000.00
Brytex Metal & Covering Ltd.	23,275.00
D & H Construction Ltd.	18,686.00
Bird Construction Company Limited	17,840.00
Crown Lumber Company Limited	17,758.00
Dunford Construction Ltd.	17,580.00
John Ens Construction Ltd.	15,804.00
Celtic Construction Limited	14,784.00

awarded

MECHANICAL CONTRACT FOR CONVERSION OF HEATING  
SYSTEMS, DORMITORY AND ANIMAL SCIENCES BUILDING,  
AGRICULTURAL AND VOCATIONAL COLLEGE, VERMILION.  
August 1, 1968.

Tower Plumbing & Heating Ltd.	49,435.00
Christman Mechanical Ltd.	48,800.00
Meyer's Plumbing Ltd.	44,775.00

awarded

EXTENSION OF GRADING, PAVING AND RELATED WORK,  
SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY,  
CALGARY. August 8, 1968.

Gallelli Construction Materials Ltd.	17,801.30
Pioneer Paving Ltd.	13,580.50
Standard-General Construction (International) Ltd.	13,449.00

awarded

CONTRACT TENDERED FOR AND TENDERERSAMOUNT BID

PAVING AND RELATED WORK, GOLDEN ACRES LODGE,  
LETHBRIDGE. August 15, 1968.

Tollestrup Construction Company Ltd. awarded 6,340.00

GRADING, GRAVELLING, FENCING AND RELATED  
WORK, DEPARTMENT OF LANDS AND FORESTS YARD,  
EDSON. August 15, 1968.

Everall Construction (Edmonton) Ltd. 21,375.00  
T. R. Piping & Construction Co. Ltd. 21,336.00  
J. M. Clayton Construction Ltd. 21,134.00  
Whissell Enterprises Limited awarded 16,206.50

CONCRETE SIDEWALKS, SPRUCECLIFF HOME,  
CALGARY. August 15, 1968.

A. Construction 1,637.60  
Dan's Concrete 1,612.90  
D & T Construction Ltd. awarded 1,179.50

PAVING AND RELATED WORK, ALBERTA FIRE  
TRAINING SCHOOL, VERMILION. August 15, 1968.

O'Hanlon Paving Ltd. 12,167.00  
Everall Construction (Edmonton) Ltd. 10,873.00  
Border Paving Ltd. awarded 8,340.00

DEEP TUNNEL SEWER, PHASE II AND III,  
UNIVERSITY OF ALBERTA, EDMONTON.  
August 22, 1968.

Wappel Concrete & Construction Co. Ltd. 2,873,044.00  
Brown & Root Ltd. 2,407,380.00  
Poole Engineering Company Ltd. & Peter  
Kiewit Sons Co. of Canada Ltd. 2,384,118.00  
Burns & Dutton Construction (1962) Ltd. 2,317,945.00  
Beaver Underground Structures 2,246,195.00  
Alta-West Construction Ltd. awarded 1,951,451.15

WATER BOOSTER STATION, DEPARTMENT OF HIGHWAYS,  
SOUTHEAST EDMONTON. August 29, 1968.

H. W. M. Construction Ltd. 26,000.00  
Norman Nilsen Construction Limited 24,533.00  
Harsim Construction Ltd. 24,339.00  
Brown & Root Ltd. 22,359.00  
Alther Construction Ltd. 21,750.00  
Watson (Tofield) Ltd. 21,396.00  
G. C. McLeod & Co. Ltd. awarded 21,343.00



CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

ADDITIONS AND ALTERATIONS TO SERVICES BUILDING,  
DEERHOME INSTITUTION, RED DEER. August 29, 1968.

Bird Construction Co. Ltd.		106,384.00
W. R. Sandquist Construction		105,330.00
Commonwealth Construction Co. Ltd.		104,438.00
Jason Construction Ltd.		98,933.00
A. Grieb Construction Co.		98,000.00
Hornstrom Bros. Construction Ltd.		97,967.00
Holzer Construction Ltd.	awarded	96,534.00

GRADING, GRAVELLING AND RELATED WORK, SKI  
LODGE, CYPRESS HILLS PROVINCIAL PARK,  
ELKWATER. August 29, 1968.

Gallelli & Sons Ltd.		60,930.00
Rokosh Engineering & Construction Ltd.	awarded	58,071.00

PAVING AND RELATED WORK, FORESTRY HEADQUARTERS,  
GRANDE PRAIRIE. August 29, 1968.

Lenrice Engineering Ltd.		23,262.00
Everall Construction (Edmonton) Ltd.		19,331.00
Wapiti Gravel Suppliers Ltd.	awarded	19,205.00

PAVING AND RELATED WORK, AGRICULTURAL AND  
VOCATIONAL COLLEGE, VERMILION. August 29, 1968.

Everall Construction (Edmonton) Ltd.		94,922.00
Border Paving Ltd.	awarded	79,428.00

FENCING, SPRUCECLIFF HOME, CALGARY.  
August 29, 1968.

A.I.M. Steel Limited		5,663.00
Wire Rope Industries		5,352.68
The Steel Company of Canada Limited	awarded	4,884.86

RIVER INTAKE SLOPE STABILIZATION,  
CORRECTIONAL INSTITUTION, PEACE RIVER.  
August 29, 1968.

Lorenz Construction Ltd.	awarded	11,630.00
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PAVING AND RELATED WORK, SCHOOL BOOK  
BRANCH, EDMONTON. September 5, 1968.

Crown Paving (1966) Ltd.		5,507.00
W. C. Wells Construction Co. Ltd.		5,279.00
O'Hanlon Paving Ltd.		4,896.15
Everall Construction (Edmonton) Ltd.	awarded	4,884.60

CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

INFIRMARY BUILDING, ALBERTA HOSPITAL,  
EDMONTON. September 5, 1968.

Norman Nilsen Construction Ltd.		2,236,795.00
Burns & Dutton Construction (1962) Ltd.		2,212,000.00
Universal Construction Co. Ltd.		2,189,000.00
Poole Construction Ltd.		2,128,750.00
Forest Construction Ltd.		2,123,798.00
Christensen and MacDonald Construction Ltd.		2,102,775.00
Laing Construction & Equipment Ltd.		2,094,000.00
Brown and Root Ltd.	awarded	2,029,504.00

REROOFING EAST WING, EAST BLOCK, SOUTHERN  
ALBERTA INSTITUTE OF TECHNOLOGY, CALGARY.  
September 12, 1968.

F. Neilson & Son Ltd.		10,971.00
Aetna Roofing (1965) Ltd.		8,870.00
Utzig Roofing Alberta Ltd.		8,545.00
Wm. Clerk Roofing Ltd.	awarded	8,112.00

MECHANICAL AND/OR ELECTRICAL WORK FOR CASEWORK,  
LABORATORY FURNITURE, CENTRE WING, BIOLOGICAL  
SCIENCES BUILDING, UNIVERSITY OF ALBERTA,  
EDMONTON. September 12, 1968.

Mechanical

Canadian Comstock Co. Ltd.	awarded	231,627.00
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Electrical

Western Electrical Constructors Ltd.		19,171.00
Progress Electric Ltd.	awarded	16,850.00

GRADING, GRAVELLING AND RELATED WORK,  
NORTHERN ALBERTA INSTITUTE OF TECHNOLOGY,  
EDMONTON. September 12, 1968.

O'Hanlon Paving Ltd.		19,227.10
W. C. Wells Construction Co. Ltd.		18,968.25
Everall Construction (Edmonton) Ltd.	awarded	17,320.31

ADMINISTRATION AND ACADEMIC BUILDING,  
AGRICULTURAL AND VOCATIONAL COLLEGE,  
OLDS. September 12, 1968.

Oland Construction Ltd.		1,243,200.00
Bennett & White Alberta (1963) Ltd.		1,232,703.00
W. J. Bennett Contractors Ltd.		1,226,336.00
Poole Construction Ltd.		1,217,000.00
Commonwealth Construction Co. Ltd.		1,213,430.00
Laing Construction & Equipment Limited	awarded	1,201,642.00

CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

FINISHING OF 9TH AND 10TH FLOORS, "N" BLOCK,  
SOUTH COMPLEX, SOUTHERN ALBERTA INSTITUTE OF  
TECHNOLOGY, CALGARY. September 12, 1968.

Poole Construction Limited awarded 268,628.00

TREASURY BRANCH, 17 AVENUE S.W., CALGARY.  
September 19, 1968.

N. Y. Construction Ltd.	103,876.00
Priddy Bros. Construction Limited	102,872.00
Poole Construction Limited	98,829.00
Hornstrom Bros. Construction Ltd.	98,484.00
McTavish, McKay & Company Limited	97,470.00
Commonwealth Construction Company Limited	96,271.00
Bayker Construction Ltd.	94,980.00
Dunford Construction Ltd.	89,980.00
Jason Construction Ltd.	88,774.00
Thor Construction Limited	awarded 88,400.00

EXTENSION OF SEWAGE LAGOON, PROVINCIAL GAOL,  
LETHBRIDGE. September 19, 1968.

Borger Construction Limited	28,239.50
Craig's Welding and Construction	27,947.60 *
Whissell Enterprises Limited	27,714.75
Brazeau River Constructors Ltd.	awarded 25,127.00

GRADING, GRAVELLING AND RELATED WORK,  
DEPARTMENT OF HIGHWAYS YARD, RED DEER.  
September 19, 1968.

Border Paving Ltd. awarded 5,337.50

WATER TREATMENT PLANT, FORESTRY HEADQUARTERS,  
FOOTNER LAKE. September 26, 1968.

Camwil Construction Ltd. awarded 64,390.00

SEWER AND WATER EXTENSION, AGRICULTURAL AND  
VOCATIONAL COLLEGE, VERMILION. September 26, 1968.

G. C. McLeod & Company Ltd.	18,437.00
Whissell Enterprises Limited	14,929.70
Noyen Construction Ltd.	14,041.75
Meyer's Plumbing Ltd.	awarded 13,565.00



CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

ELECTRICAL CONTRACT FOR FLOOD AND LANDSCAPE LIGHTING, PROVINCIAL MUSEUM AND ARCHIVES, EDMONTON. September 26, 1968.

Progress Electric Ltd.		18,450.00
Hammond Electric Ltd.		15,890.00
Western Electrical Constructors Ltd.		11,346.00
Peterson Electrical Const. Co. Ltd.	awarded	10,513.00

ELECTRICAL CONTRACT FOR CENTRAL METERING AND HIGH VOLTAGE BUILDING SUPPLY, HIGHWAY MAINTENANCE GARAGE, SOUTHEAST EDMONTON. September 26, 1968.

Peterson Electrical Const. Co. Ltd.		28,241.00
Robert Wood Electric Ltd.		25,767.00
Hammond Electric Ltd.		25,654.00
Progress Electric Ltd.		22,191.00
Industrial Power Installations Ltd.		22,084.00
Matthews Electric Ltd.	awarded	22,067.00

PAVING AND RELATED WORK, CLINICAL SCIENCES BUILDING, UNIVERSITY OF ALBERTA HEALTH SCIENCES CENTRE, EDMONTON. October 3, 1968.

Everall Construction (Edmonton) Ltd.		34,419.65
W. C. Wells Construction Co. Ltd.		29,134.25
Crown Paving (1966) Ltd.	awarded	28,452.00

GRADING, PAVING AND RELATED WORK, ALBERTA HOSPITAL, CLARESHOLM. October 3, 1968.

Lewis & Wilson Excavating Contractors Ltd.	awarded	20,136.00
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REROOFING OF RECREATION AND THERAPY BUILDING, DEERHOME INSTITUTION, RED DEER. October 3, 1968.

Aetna Roofing (1965) Ltd.		7,971.00
Otto Roofing Red Deer Ltd.		7,810.00
Christensen & McLean Roofing (Red Deer) Ltd.		6,817.00
Mid-West Roofing & Maintenance Ltd.	awarded	6,529.00

SENIOR CITIZENS' HOME, MEDICINE HAT. October 3, 1968.

Paul Stober Construction Ltd.		415,600.00
Bird Construction Company Limited		410,900.00
MacWilliam Construction Co. Ltd.		400,859.00
Rittinger Construction Ltd.	awarded	393,933.00

CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

BUNKHOUSE, DEPARTMENT OF LANDS AND FORESTS,  
LAC LA BICHE. October 3, 1968.

Jason Construction Ltd.	41,308.00 *
Haagenson Morton Construction Ltd.	38,950.00
D. S. Greenfield Construction Ltd.	37,470.00
Bilodeau & Sons Construction Ltd.	32,450.00
M & M Construction Ltd.	31,779.00

awarded

BUNKHOUSE, DEPARTMENT OF LANDS AND FORESTS,  
ROCKY MOUNTAIN HOUSE. October 3, 1968.

Jason Construction Ltd.	39,615.00
O. T. Challand Construction & Building Supplies Ltd.	36,340.00
Bilodeau & Sons Construction Ltd.	35,500.00
M & M Construction Ltd.	33,685.00
A. Grieb Construction Co.	31,800.00
Saracen Construction Ltd.	27,588.00

awarded

BUNKHOUSE, FOUR TRAILER PADS AND WIRING,  
DEPARTMENT OF LANDS AND FORESTS, EDSON.  
October 3, 1968.

Jason Construction Ltd.	43,891.00 *
State Construction Ltd.	42,000.00
Prism Construction Company Ltd.	39,733.00
D. S. Greenfield Construction Ltd.	37,978.00
M & M Construction Ltd.	36,717.00
Gill B's Construction	35,480.00

awarded

GRADING, GRAVELLING AND RELATED WORK,  
JARVIS BAY PROVINCIAL PARK, SYLVAN LAKE.  
October 3, 1968.

Bell Brothers	108,164.32
Whissell Enterprises Limited	94,729.58
Craig's Welding & Construction	91,837.37
Rokosh Engineering & Construction Ltd.	82,950.00
G. C. McLeod & Company Ltd.	56,553.74

awarded

REROOFING LODGE 500, JACQUES SITE, SENIOR  
CITIZENS' HOME, CALGARY. October 24, 1968.

Freeze Maxwell Co. Ltd.	9,664.00 *
Wm. Clark Roofing Ltd.	9,118.00

awarded

GRADING, GRAVELLING AND RELATED WORK, DEERHOME  
INSTITUTION, RED DEER. October 24, 1968.

Whissell Enterprises Ltd.	13,255.00
G. C. McLeod & Company Ltd.	11,595.00
Border Paving Ltd.	9,350.00
J. M. Clayton Construction Ltd.	9,300.00

awarded

CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

KITCHEN ADDITION, PROVINCIAL GAOL, CALGARY.  
November 7, 1968.

Bird Construction Company Limited	346,973.00
Bayker Construction Ltd.	346,200.00
Inspiration Limited	344,965.00
Bennett & White Alberta (1963) Ltd.	337,942.00
Hornstrom Bros. Construction Ltd.	334,629.00
Laing Construction and Equipment Limited	327,100.00
Poole Construction Limited	321,037.00
Keller Construction Ltd.	awarded 319,950.00

SANITARY SEWER TIE-IN TO CITY SYSTEM, PHASE I,  
ALBERTA HOSPITAL, EDMONTON. November 7, 1968.

Borger Bros. (1963) Ltd.	131,000.00
Prodor Construction Co. Ltd.	125,671.00
Arthur A. Voice Construction Co. Ltd.	118,316.03
N. S. Pawliuk & Son Contracting Ltd.	106,289.00
Whissell Enterprises Limited	103,620.62
G. C. McLeod & Company Ltd.	102,438.61
Borger Construction Limited	101,321.85
Poole Engineering Company Limited	awarded 100,982.20

UNIVERSITY OF ALBERTA AREA UTILITIES ELECTRICAL  
CONVERSION, PHASE I, EDMONTON. November 14, 1968.

G. C. McLeod & Company Ltd.	137,646.00
Camwil Construction	134,400.00
Burns & Dutton Construction (1962) Ltd.	94,844.00
D. S. Greenfield Construction Ltd.	79,600.00
Poole Construction Limited	awarded 77,626.00

STEAM DISTRIBUTION LINE, ALBERTA HOSPITAL,  
EDMONTON. November 14, 1968.

Northway Plumbing & Mechanical Installations Ltd.	132,258.00
Mecon Installations Ltd.	121,800.00
Dowell Mechanical Services Ltd.	108,000.00
Premier Plumbing Co. (1966) Ltd.	99,250.00
Crest Plumbing & Heating Limited	96,484.00
Nor-Way Construction Ltd.	91,000.00
Industrial Power Installations (Edmonton) Ltd.	89,168.00
Lockerbie and Hole Western Limited	84,400.00
Fuller & Knowles Co. Ltd.	awarded 73,200.00

UTILITY SERVICES, NO. 2 LAUNDRY BUILDING,  
ALBERTA HOSPITAL, PONOKA. November 28, 1968.

Northway Plumbing & Mechanical Installations Ltd.	53,900.00
W. W. Heating & Plumbing Ltd.	47,000.00
F. M. Hayhoe Plumbing & Heating (1967) Ltd.	43,213.00
Crest Plumbing & Heating Limited	awarded 41,746.00



CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

SEWER, WATER AND GAS LINE EXTENSION, VOCATIONAL  
TRAINING SCHOOL, FORT McMURRAY. November 28, 1968.

Can-West Mechanical Ltd.		35,198.45
Whissell-McLeod Ventures Ltd.		16,146.30
Nikiforuk Construction Ltd.	awarded	14,942.00

MECHANICAL AND/OR ELECTRICAL WORK FOR CASEWORK  
TO THE MICROBIOLOGY WING, BIOLOGICAL SCIENCES  
BUILDING, UNIVERSITY OF ALBERTA, EDMONTON.  
December 5, 1968.

Mechanical

Canadian Comstock Company Limited	not awarded	130,760.00
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Electrical

Progress Electric Limited		13,512.00
Western Electrical Constructors Ltd.		12,710.00
Provincial Electric Co. Ltd.		8,657.00
Charlesmur Electric Services Ltd.	awarded	7,858.00

ADDITION TO HEATING PLANT, ALBERTA HOSPITAL,  
EDMONTON. December 5, 1968.

Bird Construction Company Limited		545,800.00
Laing Construction and Equipment Limited		545,000.00
Camwil Construction Ltd.		515,000.00
Brown & Root Ltd.		500,000.00
Briden Construction Ltd.		490,000.00
Joslyn & Olsen Contractors Ltd.		483,825.00
Burns & Dutton Construction (1962) Ltd.		482,982.00
Alther Construction Ltd.		480,590.00
W. C. Wells Construction Co. Ltd.		479,570.00
Poole Construction Limited		478,050.00
Christensen and Macdonald Construction Ltd.	awarded	464,858.00

WATER METER CHAMBER AND PRIMARY WATER FEEDERS,  
UNIVERSITY OF ALBERTA, EDMONTON.  
December 19, 1968.

Borger Construction Limited		152,897.00
Burns & Dutton Construction (1962) Ltd.		118,000.00
Whissell Enterprises Limited		96,967.23
G. C. McLeod & Company Ltd.	awarded	92,524.30

CONTRACTS TENDERED FOR AND CONTRACTS AWARDEDAMOUNT BID

SEEDLING AND SEED STORAGE BUILDING, PHASE I,  
PART 2, OLIVER TREE NURSERY, EDMONTON.  
December 19, 1968.

Brown & Root Ltd.	102,776.00
W. J. Bennett Contractors Ltd.	100,912.00
Nor-Way Construction Ltd.	99,564.00
Gill B's Construction	97,900.00
Norman Nilsen Construction Ltd.	97,875.00
McRae & Associates Construction Ltd.	96,827.00
Fort Construction Company Limited	96,549.00
Joslyn & Olsen Contractors Ltd.	96,422.00
J. M. Clayton Construction Ltd.	96,377.00
Summit Construction Ltd.	96,332.00
M & M Construction Ltd.	95,545.00
D. S. Greenfield Construction Ltd.	94,600.00
Burns & Dutton Construction (1962) Ltd.	93,750.00
Christensen and MacDonald Construction Ltd.	92,988.00
Watson (Tofield) Limited	91,795.00
Enterprise Building Contractors Ltd.	88,675.00
Drewoth Construction Ltd.	awarded 85,000.00

FARM MAINTENANCE BUILDING, AGRICULTURAL AND  
VOCATIONAL COLLEGE, OLDS. December 19, 1968.

Bilodeau & Sons Construction Ltd.	107,800.00
W. R. Sandquist Construction Ltd.	104,760.00
Dunford Construction Ltd.	99,214.00
Poole Construction Limited	99,200.00
Commonwealth Construction Company Limited	96,488.00
Celtic Construction Ltd.	96,095.00
Bennett & White Alberta (1963) Ltd.	95,111.00
Laing Construction & Equipment Limited	94,900.00
Watson (Tofield) Ltd.	awarded 91,085.00

MECHANICAL RENOVATIONS, MANCHESTER SHOPS,  
CALGARY. January 2, 1969.

Industrial Power Installations (Calgary) Ltd.	55,060.00
Crest Plumbing & Heating Limited	awarded 51,300.00

EXTENSION OF STORM SEWER OUTFALL, AGRICULTURAL  
AND VOCATIONAL COLLEGE, VERMILION.  
January 30, 1969.

McLaren Construction Co. Ltd.	10,348.00
Bell & Fountain Contractors Ltd.	awarded 9,903.00

CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

CENTRAL TESTING LABORATORY, DEPARTMENT OF  
HIGHWAYS, SOUTHEAST EDMONTON. February 6, 1969.

Morin Bros. Construction Ltd.	896,477.00
Universal Construction Co. Ltd.	889,742.00
Camwil Construction Ltd.	888,628.00
Brown & Root Ltd.	886,291.00
Forest Construction Ltd.	874,960.00
A. V. Carlson Construction Ltd.	871,387.00
D. S. Greenfield Construction Ltd.	865,905.00
Norman Nilsen Construction Ltd.	865,225.00
Christensen and Macdonald Construction Ltd.	862,880.00
W. J. Bennett Contractors Ltd.	853,175.00
Stuart Olson Construction Ltd.	852,640.00
Laing Construction and Equipment Limited	851,133.00
Enterprise Building Contractors Ltd.	846,028.00
Poole Construction Limited	843,175.00
MacCalder Construction Co. Ltd.	843,072.00
Prism Construction Company Ltd.	awarded 838,450.00

WATER DISTRIBUTION SYSTEM, PHASE II, CLEARWATER  
FORESTRY HEADQUARTERS, ROCKY MOUNTAIN HOUSE.  
February 6, 1969.

DeVries Bros. Excavating Ltd.	19,807.00
Spar Construction Ltd.	14,367.00
Bee & Bee Plumbing and Heating Ltd.	10,150.79
Nikiforuk Construction Ltd.	9,777.50
G. C. McLeod & Company Ltd.	awarded 9,468.25

SEWER TRUNK AND WATER SYSTEM EXTENSION,  
HEALTH SCIENCES CENTRE, CALGARY.  
February 13, 1969.

Burns & Dutton Construction (1962) Ltd.	249,648.00
G. C. McLeod & Company Ltd.	233,826.50
DeVries Bros. Excavating Ltd.	216,829.25
I. W. Campbell Construction Ltd.	216,154.00
Whissell Enterprises Ltd.	212,157.01
Borger Construction Limited	awarded 205,896.25

MEDICAL SCIENCES WING, BLOCK "R", SOUTHERN ALBERTA  
INSTITUTE OF TECHNOLOGY, CALGARY. February 20, 1969.

Cascade Builders Ltd.	2,090,000.00
Bennett & White Alberta (1963) Ltd.	2,020,719.00
Commonwealth Construction Company Limited	1,976,377.00
Oland Construction Co. Ltd.	1,975,259.00
Smith Bros. & Wilson Limited	1,940,000.00
Laing Construction and Equipment Limited	1,895,159.00
Bird Construction Company Limited	1,888,380.00
Poole Construction Limited	1,853,143.00
Burns & Dutton Construction (1962) Ltd.	awarded 1,836,000.00



CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BID

UNIVERSITY OF ALBERTA AREA UTILITIES ELECTRICAL  
CONVERSION, PHASE II, EDMONTON. February 27, 1969.

Burns & Dutton Construction (1962) Ltd.	293,278.00
Joice-Sweaner Electric Limited	268,311.00
Industrial Power Installations (Edmonton) Ltd.	265,562.00
Canadian Comstock Company Limited	251,588.00

awarded

DEMOLITION AND/OR REMOVAL OF FORMER PROVINCIAL  
BUILDING, LOTS 14-15, BLOCK 18, LETHBRIDGE.  
March 13, 1969.

Gallelli Construction Materials Ltd.	15,700.00
Steve P. Zatylny	13,435.00
Herman G. Scheffer	11,790.00
Kenwood Engineering Construction Ltd.	8,400.00
R. Heinen & Sons	8,400.00
Adby Demolition Co. Ltd.	3,900.00

awarded

DEMOLITION AND/OR REMOVAL OF STAFF RESIDENCE  
BUILDING #12 AND MATRON RESIDENCE BUILDING #17,  
ALBERTA HOSPITAL, CLARESHOLM. March 13, 1969.

Herman G. Scheffer	5,425.00
Gallelli Construction Materials Ltd.	3,975.00
Kenwood Engineering Construction Ltd.	2,800.00
Adby Demolition Co. Ltd.	2,100.00
Welke Demolition	1,960.00

awarded

SALE OF THE OLD SINGLE MEN'S HOSTEL, CALGARY.  
March 25, 1969.

Herb Styles	8,500.00
E. Cohen	19,700.00
Alsam Investments	23,300.00
Hartel Holding Co. Ltd.	35,430.80

To be paid to  
Government:

TENDERS CALLED ON BEHALF OF THE  
ALBERTA LIQUOR CONTROL BOARD

ALBERTA LIQUOR CONTROL BOARD STORE,  
MANNVILLE. April 18, 1968.

McRae & Associates Construction Ltd.	52,016.00
Enterprise Building Contractors Ltd.	48,240.00
Jason Construction Ltd.	47,371.00
H. W. M. Construction Ltd.	45,509.00
Joslyn & Olsen Contractors Ltd.	41,846.00

awarded

CONTRACTS TENDERED FOR AND TENDERERSAMOUNT BIDALBERTA LIQUOR CONTROL BOARD STORE,  
SUNDRE. April 18, 1968.

McRae & Associates Construction Ltd.	57,251.00
Bennett & White Alberta (1963) Ltd.	57,215.00
Eric R. French & Son Ltd.	51,760.00
McLean Construction Ltd.	49,550.00
W. R. Sandquist Construction Ltd.	47,884.00
Dunford Construction Ltd.	47,758.00
Commonwealth Construction Co. Ltd.	47,625.00
Celtic Construction Ltd.	46,996.00
Jason Construction Ltd.	45,878.00
	awarded

ALBERTA LIQUOR CONTROL BOARD STORE,  
HIGH LEVEL. September 5, 1968.

Camwil Construction Ltd.	65,700.00
Keller Construction Ltd.	64,800.00
Nor-Way Construction Ltd.	64,419.00
A. H. Hagen Construction Ltd.	63,934.00
Parkins Construction Ltd.	59,940.00
	awarded

ALBERTA LIQUOR CONTROL BOARD STORE,  
McLENNAN. September 5, 1968.

Keller Construction Ltd.	61,000.00
Camwil Construction Ltd.	59,300.00
Nor-Way Construction Ltd.	57,677.00
McRae & Associates Construction Ltd.	55,413.00
Joslyn & Olsen Contractors Ltd.	54,187.00
Senco Construction Ltd.	54,000.00
Parkins Construction Ltd.	53,079.00
Hi Line Construction Ltd.	52,800.00
Powell Construction Ltd.	51,369.00
	awarded

PROJECTS COMPLETED IN THE FISCAL YEAR 1968 - 1969

PROJECT AND LOCATION	CONTRACTOR	TENDER PRICE	CHANGE ORDERS	TOTAL COST	DATE ACCEPTED FROM CONTRACTOR
Treasury Branch, Drumheller	Poole Construction Limited	\$ 77,900.00	\$ 332.79	\$ 78,232.79	April 19, 1968
"J" Wing, Northern Alberta Institute of Technology, Edmonton	Poole Construction Limited	1,275,951.00	13,010.11	1,288,961.11	April 25, 1968
Students' Residence, Phase I, Agricultural & Vocational College, Olds	Burns & Dutton Construction (1962) Ltd.	2,452,000.00	48,872.98	2,500,872.98	May 14, 1968
Home for the Aged, Camrose	4 Star Construction Ltd.	57,950.00	2,049.00 cr	55,901.00	May 15, 1968
Single Men's Hostel, Calgary	Oland Construction Ltd.	1,012,200.00	10,279.24	1,022,479.24	May 22, 1968
Home for the Aged, Barrhead	Enterprise Building Contractors Ltd.	51,781.00	1,608.71 cr	50,172.29	May 28, 1968
Home for the Aged, Westlock	Enterprise Building Contractors Ltd.	54,107.00	2,896.04 cr	51,210.96	May 29, 1968
Comfort Station, Wabamun	Holzer Construction Ltd.	40,991.00	480.34	41,471.34	May 31, 1968
Plant Science Building, Agricultural and Vocational College, Fairview	Poole Construction Limited	293,211.00	2,410.88	295,621.88	June 1, 1968
Alberta Liquor Control Board Store, Carstairs	Poole Construction Limited	45,334.00	176.40	45,510.40	June 5, 1968
Home for the Aged, Lethbridge	Bilodeau & Sons Construction Ltd.	209,880.00	11,243.72 cr	198,636.28	June 6, 1968
Air Conditioning, Provincial Building, Grande Prairie	Lockerbie & Hole Western Ltd.	43,777.00	--	43,777.00	June 6, 1968
Loading Dock Addition, Alberta Liquor Store, Grande Prairie	Fraser & Rice Limited	16,666.00	126.00	16,792.00	June 10, 1968
Maintenance Building, Agricultural & Vocational College, Olds	Jason Construction Ltd.	107,747.00	1,221.11	108,968.11	June 10, 1968



PROJECT AND LOCATION	CONTRACTOR	TENDER PRICE	TOTAL CHANGE ORDERS	TOTAL COST	DATE ACCEPTED FROM CONTRACTOR
Services Garage & Storage Building, U. of A., Edmonton	D. S. Greenfield Construction Ltd.	89,874.00	644.77	90,518.77	June 11, 1968
Home for the Aged, Smoky Lake	Bilodeau & Sons Construction Ltd.	53,215.00	2,663.03 cr	50,551.97	June 12, 1968
Administration Building, Fire Training School, Vermillion	Joslyn & Olsen Contractors Ltd.	33,582.00	286.73	33,868.73	June 14, 1968
Provincial Building, Lacombe	Jason Construction Ltd.	337,676.00	4,182.38	341,858.38	June 24, 1968
Treasury Branch, Vegreville	Holzer Construction Ltd.	85,114.00	674.43 cr	84,439.57	July 10, 1968
Home for the Aged, Vermillion	Bilodeau & Sons Construction Ltd.	109,890.00	3,963.45 cr	105,926.55	July 10, 1968
Maintenance Building, Agricultural & Vocational College, Fairview	Powell Construction Limited	132,757.00	1,166.78	133,923.78	August 1, 1968
Home for the Aged, Drumheller	Greene Construction Ltd.	158,597.00	5,508.90 cr	153,088.10	August 8, 1968
Civil Engineering Centre, Phase IV, University of Calgary, Calgary	Burns & Dutton Construction (1962) Ltd.	2,329,400.00	18,328.94	2,347,728.94	August 28, 1968
Home for the Aged, Vegreville	Holzer Construction Ltd.	52,671.00	2,843.17 cr	49,827.83	September 6, 1968
Students' Residence, Agricultural & Vocational College, Olds	Oland Construction Ltd.	2,908,200.00	26,414.09	2,934,614.09	September 19, 1968
Education Building, University of Calgary, Calgary	Burns & Dutton Construction (1962) Ltd.	5,347,500.00	90,918.32	5,438,418.32	October 1, 1968
Provincial Building, Athabasca	Universal Construction Co. Ltd.	498,898.00	4,775.45	503,673.45	October 15, 1968
Alberta Liquor Control Board Store, Mannville	Joslyn & Olsen Contractors Ltd.	41,846.00	2,504.28	44,350.28	October 21, 1968
Nurses' Residence, Alberta Hospital, Claresholm	Arias (Spanish) Construction Ltd.	358,500.00	3,155.68	361,655.68	October 22, 1968

PROJECT AND LOCATION	CONTRACTOR	TENDER PRICE	TOTAL CHANGE ORDERS	TOTAL COST	DATE ACCEPTED FROM CONTRACTOR'S
Boiler Plant and Tunnel Extension, Alberta Hospital, Claresholm	Poole Construction Limited	403,000.00	3,735.15	406,735.15	October 22, 1968
Treasury Branch, Wainwright	Jason Construction Ltd.	76,726.00	119.09 cr	76,606.91	October 23, 1968
South Power Plant Addition, Edmonton	Smith Bros. & Wilson Ltd.	987,842.00	25,779.45	1,013,621.45	October 29, 1968
Animal Sciences Building, Agricultural & Vocational College, Fairview	Poole Construction Limited	279,219.00	455.47	279,674.47	October 29, 1968
Alberta Liquor Control Board Store, Consort	Greene Construction Ltd.	43,022.00	398.00	43,420.00	November 4, 1968
Killarney Treasury Branch, Edmonton	M. Drewth Construction Ltd.	79,091.00	1,237.32	80,328.32	November 8, 1968
Cold Storage Building Addition, Tree Nursery, Oliver	Watson (Tofield) Limited	25,095.00	501.29	25,596.29	November 15, 1968
O. S. Longman Building, Edmonton	Universal Construction Co. Ltd.	4,199,458.00	55,715.08	4,255,173.08	November 15, 1968
Group "D" Salt Storage Sheds, Medicine Hat & Fort Macleod	Celtic Construction Ltd.	14,784.00	476.00 cr	14,308.00	November 20, 1968
McLean Hall, Alberta Hospital, Claresholm	Arias (Spanish) Construction Ltd.	422,643.00	3,271.57	425,914.57	November 28, 1968
Home Economics, Commercial & Academic Building, Phase II, Agricultural & Vocational College, Vermilion	A. V. Carlson Construction Ltd.	225,852.00	242.24	226,094.24	December 3, 1968
Addition to Administration Building, Alberta Hospital, Ponoka	Holzer Construction Ltd.	62,655.00	245.69 cr	62,409.31	December 3, 1968
Group "B" Salt Storage Sheds, Red Deer, Olds, Drumheller, Gleichen & Oil Storage Shed, Drumheller	Wickhorst Construction Ltd.	31,108.46	1,948.80	33,057.26	December 6, 1968
North Loop Services Tunnel, University of Alberta, Edmonton	Burns & Dutton Construction (1962) Ltd.	3,294,500.00	159,572.84	3,454,072.84	December 12, 1968

PROJECT AND LOCATION	CONTRACTOR	TENDER PRICE	CHANGE ORDERS	TOTAL COST	DATE ACCEPTED FROM CONTRACTOR
Group "A" Salt Storage Sheds, Athabasca, Clyde, Edson, Evansburg, Leduc, S.E. Edmonton, Camrose, Ponoka & Oil Storage Shed, Bruderheim	M & M Construction Ltd.	65,943.00	5,532.00	71,475.00	December 13, 1968
Utilities Services, Clinical Sciences Building, University of Alberta, Edmonton	Jason Construction Ltd.	159,893.00	618.11	160,511.11	January 23, 1969
Kananaskis Science Station Addition, Calgary	Jason Construction Ltd.	154,725.00	4,475.91	159,200.91	January 23, 1969
Alberta Liquor Control Board Store, Sundre	Jason Construction Ltd.	45,878.00	182.50	46,060.50	January 23, 1969
Trans Canada Highway Campsite, Tillebrook Provincial Park	Jason Construction Ltd.	49,850.00	276.00	50,126.00	January 23, 1969
Sciences IIIB - Mathematics, University of Calgary, Calgary	Burns & Dutton Construction (1962) Ltd.	1,626,000.00	29,594.50	1,655,594.50	February 1, 1969
Bunkhouse, Rocky Mountain House	Saracen Construction Ltd.	27,588.00	2,005.71	29,593.71	February 5, 1969
Physical Plant Building, University of Calgary, Calgary	Bird Construction Co. Ltd.	579,795.00	2,969.94	582,764.94	February 12, 1969
Central Services Building, Rosehaven Home, Camrose	Inspiration Ltd.	991,547.00	47,790.99	1,039,337.99	February 20, 1969
Bunkhouse, Edson	Gill B's Construction	35,480.00	---	35,480.00	February 20, 1969
Bunkhouse, Lac La Biche	M & M Construction Ltd.	31,779.00	64.00	31,843.00	February 26, 1969
Alberta Forest Service Depot, Edmonton	Forest Construction Ltd.	1,069,820.00	92,980.01	1,162,800.01	February 27, 1969
Alberta Liquor Control Board Store, McLennan	Powell Construction Ltd.	51,369.00	191.91 cr	51,177.09	March 1, 1969
9th & 10th Floors, "N" Block, South Complex, Southern Alberta Institute of Technology, Calgary	Poole Construction Limited	268,628.00	760.28	269,388.28	March 18, 1969



PROJECT AND LOCATION	CONTRACTOR	TENDER PRICE	TOTAL CHANGE ORDERS	TOTAL COST	DATE ACCEPTED FROM CONTRACTOR
Ward Building #3, Rosehaven Home, Camrose	Brown & Root Ltd.	496,655.00	7,855.40	504,510.40	March 18, 1969
#2 Laundry Building, Alberta Hospital, Ponoka	Poole Construction Limited	701,362.00	11,006.20	712,368.20	March 18, 1969
Utilities Services, #2 Laundry Building, Alberta Hospital, Ponoka	Crest Plumbing & Heating Ltd.	<u>41,746.00</u>	<u>160.00 cr</u>	<u>41,586.00</u>	March 25, 1969
		<u>\$ 34,820,268.46</u>	<u>\$ 653,612.89</u>	<u>\$ 35,473,881.35</u>	

34.

Total change orders for all of the above projects equal 1.8% of total tender value

PAVING AND RELATED WORK - GOVERNMENT INSTITUTIONS

This area of the work deals with site finishing and landscaping at various institutions. In order to maintain a good system of roadways and parking areas, the latest construction standards for this type of work are used, taking into account such factors as load bearing and drainage requirements. Installation of street lights, car plug-ins, retaining walls, patios and walks is also carried out during this phase of the work. A continuous process of upgrading is constantly being carried out at the older institutions in the province where existing road systems, water and drainage systems and like works are regularly being improved.

The following is a breakdown of projects in this branch for the fiscal year under review:

Agricultural & Vocational College, Olds - Paving & Related Work, Phase I  
 Agricultural & Vocational College, Vermilion - Paving & Related Work, Phase I  
 Agricultural & Vocational College, Fairview - Paving & Related Work, Phase I  
 Agricultural & Vocational College, Vermilion - Sanitary Sewer Extension  
 Forestry Division, Footner Lake - Raw Water Reservoir & Plant Extension  
 Alberta Hospital, Claresholm - Paving & Related Work, Phase I  
 Provincial Gaol, Lethbridge - Extension of Sewage Lagoon  
 Alberta Hospital, Edmonton - Sewer Tie-In to City of Edmonton System, Phase I  
 Highway Maintenance Yard, Southeast Edmonton - Paving & Related Work, Phase III  
 Cypress Hills Provincial Park, Elkwater - Paving & Related Work  
 Tillebrook Trans Canada Campsite Provincial Park - Site Grading & Utility Installations  
 Jarvis Bay Provincial Park - Site Grading & Utility Installations  
 Lands & Forests Headquarters Yard, Grande Prairie - Paving & Related Work  
 Lands & Forests Headquarters Yard, Edson - Paving & Related Work  
 Northern Alberta Institute of Technology, Edmonton - Paving & Related Extension Work  
 Department of Highways Driver Examiner Yard, Calgary - Paving & Related Work  
 Provincial Building, Olds - Paving & Related Work  
 Home for the Aged, Lethbridge - Paving & Related Extension Work  
 Cancer Institute, Edmonton - Paving & Related Work  
 Department of Highways Yard, Southeast Edmonton - Water Booster Station

CONSULTING ARCHITECTS AND ENGINEERS COMMISSIONED BY THE  
DEPARTMENT OF PUBLIC WORKS DURING  
THE FISCAL YEAR 1968-69

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<u>Consultant</u>	<u>Type of Service</u>	<u>Project</u>
Cheriton Bolstad Engineering Consultants Limited - Edmonton	All Engineering	Health Sciences Centre, Calgary
Stanley Associates Engineering Ltd. - Edmonton	Traffic Engineering	Health Sciences Centre, Calgary
Cheriton Bolstad Engineering Consultants Limited - Edmonton	Mechanical & Electrical Engineering	Utility Services Clinical Sciences Building, University of Alberta, Edmonton
Cheriton Bolstad Engineering Consultants Limited - Edmonton	All Engineering	Health Sciences Centre, Edmonton
W. R. Cheriton & Associates Ltd. - Edmonton	Electrical Engineering	Campus Electrical System, University of Alberta, Edmonton
J. D. Henderson Engineering Ltd. - Edmonton	Mechanical Engineering	Services Tunnel, Phase II, University of Alberta, Edmonton
Edwards & Woolfenden - Edmonton	Architectural	Remand Centre, Edmonton
Chabot Engineering Ltd. - Edmonton	Mechanical Engineering	Domestic and Laboratory Plumbing Systems, Medical Sciences Wing, Block "R", Southern Alberta Institute of Technology, Calgary
G. R. Beatson - Calgary	Architectural	Senior Citizens' Home, Lamont
Maaco Engineering Ltd. - Calgary	Mechanical & Electrical Engineering	Mechanical Renovations, Manchester Shops, Calgary
Stanley Associates Engineering Ltd. - Edmonton	Municipal Engineering	Water Meter Chamber and Water Main, University of Alberta, Edmonton



<u>Consultant</u>	<u>Type of Service</u>	<u>Project</u>
Eugene Bolstad Engineering Ltd. - Edmonton	All Engineering	Renovations to Steam Distribution System, West Line, University of Alberta, Edmonton
Keen Engineering Limited - Edmonton	Mechanical Engineering	Central Cooling Plant and Utilities Distribution System, University of Alberta,
D. Panar & Associates Engineering Ltd. - Edmonton	Mechanical Engineering	Installation of Steam Turbine, Power Plant, Alberta Hospital, Edmonton
John William Hill (operating as Control Land Surveys) - Edmonton	Surveying	Services Tunnel, Phase II, University of Alberta, Edmonton
R.M. Hardy & Associates Ltd. - Edmonton	Subsoil Investigation	Agricultural and Vocational College Campus, Vermillion
Siemens Engineering Ltd. - Edmonton	All Engineering	Conversion of Heating System, Dormitory and Animal Science Building, Agricultural and Vocational College, Vermillion
O. De Santis Surveys Limited - Calgary	Surveying	Southern Alberta Institute of Technology, Calgary
Stanley Associates Engineering Ltd. - Edmonton	Municipal Engineering	Phases IV, V and VI, Sewer Mains and Water Services, University of Alberta Area, Edmonton

ANNUAL REPORT 1968-69  
ARCHITECTURAL BRANCH  
DEPARTMENT OF PUBLIC WORKS

During the past fiscal year, some staff and position changes occurred in this branch of the department. Mr. W. Niemann's class title was changed from Principal Architect to Senior Architect following the redistribution of staff and the elimination of one architectural section. Mr. A. Jess was appointed to the position of Landscape Development Supervisor after the resignation of Mr. P. Butler.

The following positions were vacated during the fiscal year:

- 1 Landscape Architect II - Resigned
- 1 Architect II - Deceased
- 1 Architect II - Dismissed
- 1 Architect II - Transferred to Municipal Affairs Department
- 1 Landscape Architect I - Resigned
- 1 Landscape Architect I - Dismissed
- 1 Architect I - Suspended and Retired
- 3 Technical Assistants I - Resigned
- 1 Technical Assistant II - Resigned
- 1 Technical Assistant III - Resigned

On March 31, 1969, we had a total architectural staff of eighty. This staff consisted of:

- 19 Architects (including one on a temporary basis)
- 1 Architectural Artist
- 1 Agrolgist
- 2 Specification Writers
- 45 Technologists (including one on a temporary basis)
- 3 Interior Design Technicians
- 9 Clerical Staff

Of a total of 87 positions, the following seven were vacant as of March 31, 1969:

- 2 Architects
- 4 Technologists
- 1 Clerical

The practice of retaining private architectural consultants and, through them, their engineering associates for government projects is now well established. During the 1968-69 fiscal year, a total of 28 architectural consulting firms were engaged in the various phases of design, planning and contract supervision of 43 major projects. Other consulting firms were newly commissioned. (A list of consulting architects and engineers commissioned during the fiscal year is included elsewhere in this report.) All fees paid were in accordance with the Schedule of Minimum Professional Charges as recommended by the Alberta Associa-

tion of Architects and the Association of Professional Engineers of Alberta. Total fees were \$2,000,765.30, including \$747,146.00 paid directly to engineering consultants.

All work commissioned to private consultants was checked by the Liaison Architect and the Principal Architects of the Department of Public Works.

The Architectural Branch of the Department of Public Works was engaged in long-range development, program preparation, checking and contract administration, as well as the design and planning of buildings which were considered to be unsuitable to be commissioned to private consultants. A total of 168 projects were processed in the past fiscal year and the expenditures totalled \$26,506,485.47, not including \$13,591,149.89 for buildings on the University of Alberta Campus.

#### The Alberta Liquor Control Board

Four liquor Stores were designed, planned and constructed during the past fiscal year at the following locations: Mannville, Sundre, High Level and McLennan. All projects were commissioned to private consultants and the value of this work totalled \$199,446.74.



ANNUAL REPORT 1968-69  
 ARCHITECTURAL BRANCH - SOUTHERN REGION  
DEPARTMENT OF PUBLIC WORKS

Health Sciences Centre, Calgary

With Mr. V. G. Bathory as Project Director, this office is involved in and responsible for the coordinated physical development of all projects sponsored by the three Participants--the Government, the University of Calgary and the Foothills Hospital.

The overall development is controlled by the Health Sciences Coordinating Committee chaired by the Honourable Dr. J. D. Ross, and consisting of representatives from the Department of Public Works, Department of Health, University of Calgary Board of Governors and Faculty of Medicine and the Foothills Hospital.

The Planning Group, a subcommittee of the Coordinating Committee, is made up of representatives from the Department of Health, the Foothills Hospital and the University of Calgary and is chaired by Mr. Bathory. This Group assesses the detailed requirements of each component project, correlates its functioning and makes recommendations for approval by the Coordinating Committee.

The Planning Group held regular meetings during the year and made several recommendations based on regional needs and projections concerning the Auxiliary Hospital, T.B. and Cancer Units as well as the Multiple Handicapped Children's facilities. Recommendations were put forward for temporary facilities for the Medical Faculty which resulted in awarding a contract for the construction of additional floors to the Foothills Hospital.

The Project Director developed program planning and cost projections along with phased site development plans to 1976. These projections are subject to revision from time to time. Interim Report #1 dated December, 1968, was prepared to indicate immediate and future sequences of development on the site.

The following is a list of projects, consultants and progress made during this fiscal year:

<u>PROJECT</u>	<u>CONSULTANT</u>	<u>PROGRESS</u>
Master Plan and Utilities	D.P.W. Calgary	Sanitary sewer, storm sewer and water main extension 70% complete
Ambulatory Care Building	J.H. Cook & Associates Architects	To be a later phase of the Medical School. Alterations have commenced on the 5th & 6th floors of the House Staff Residence to accommodate the University's Ambulatory Care Centre on a temporary basis

<u>PROJECT</u>	<u>CONSULTANT</u>	<u>PROGRESS</u>
Auxiliary Hospital, T.B. and Cancer Clinics, Foothills Hospital	D.S. Stevens & Partners, Architects	Assembling of program requirements near completion
House Staff Residence	Cohos, Delesalle & Evamy, Architects	Overall percentage of construction 89% complete. Expected completion date June, 1969
Addition to Central Power Plant & Distribution	D.S. Stevens & Partners, Architects  H. W. Klassen & Associates	Overall percentage of construction 26% complete. Expected completion date August, 1969
Alberta Mental Health Centre	Stevenson, Raines, Barrett, Hutton, Seton, and Partners, Architects	Revision of contract documents for general contract completed
Site Services	Cheriton Bolstad Engineering Consultants Ltd.	
Traffic and Parking Study	Stanley Associates Engineering Ltd.	
Foothills Hospital Additional Floors to Clinical Wing Temporary Facilities Medical School University of Calgary	D. S. Stevens & Partners, Architects	Tenders for Structural Steel awarded Tenders for general contract to be received April, 1969
Provincial Laboratory of Public Health	Department of Public Works	To plan. Program requirements to be established beginning April, 1969
Basic Medical Sciences	J.H. Cook & Associates, Architects	Academic program approved by the University and is to be submitted to the Universities Commission for approval in April, 1969
School of Health Professions	J.H. Cook & Associates, Architects	

Interim Report #1 to December, 1968, was submitted to all parties concerned.

### The University of Calgary - Long-Range Development Plan

During this fiscal year, an agreement between the University of Calgary and the Alberta Government was signed formally appointing Mr. V. G. Bathory and the Calgary office of the Department of Public Works as the Long-Range Planners.

Through close consultation with the Director of Physical Planning of the University of Calgary, the Long-Range Planning Guide, prepared by this office the previous year, has been updated. Detailed programs have been submitted for several proposed new buildings and expansion of existing buildings. Continuous contact is maintained with the University of Calgary to interpret space needs, academic planning and policy decisions of the Board of Governors.

The following individual studies and reports have been prepared and submitted to the University during the year:

- Analysis of the Walker Report on Housing (February, 1968)
- Supplementary Report #1 (May, 1968)
- Physical and Life Science Area (May, 1968)
- Architectural Considerations for the Physical Education Complex, Stage II (August, 1968)
- Architectural Considerations for the Biological Science Complex (September, 1968)
- Architectural Considerations for the Civil Engineering 1968 (December, 1968)
- Planning and Architectural Considerations for the Library Extension 1968 (March, 1969)

#### Site Development

- Long-Range Development Plan - Supplementary Report #2 on Landscape Development (May, 1968)

Due to internal reorganization, the department relinquished the responsibility of the landscape development and the University engaged private consultants to assist the long-range development.

Projects under consideration during the year 1968-69 were University Offices Building, Addition to Library, Civil Engineering, Science Theatres, Addition to Science IIIB, Science Courtyard, Married Student Housing, Parking and Traffic, Physical Education, Rapid Transit, Biological Science, Earth Science and Faculty Club.

#### General Work

From the capital projects of the department during this fiscal year, this office was responsible for the design of the following:

- Kitchen and Dining Room Addition, Calgary Provincial Gaol  
Construction started in November, 1968. Scheduled completion August, 1969.



Alterations and Relocation of Control Rooms in Southeast and Southwest Dormitories, Calgary Provincial Gaol  
Completed to tendering stage. Plan shelved awaiting recommendations from McGrath Report

Heat and Ventilate Dormitory and Laundry, Calgary Provincial Gaol  
Design completed.

Alterations to Infirmary Building #4, Baker Memorial Sanitarium, Calgary  
Completed to tendering stage

Services Building, Baker Memorial Sanitarium, Calgary  
Site location, preliminary design and schedule of accommodation prepared. Considerable data collected in preparation for a new Master Plan as the Alberta School Hospital serving the southern half of the province

Alberta Hospital, Lethbridge  
Preliminary analysis of physical requirements and site needs has been commenced

Parking Structure for John J. Bowlen Building, Calgary  
A seven level, 300-car capacity building designed and detailed to tendering stage.

Depot Building Addition, Red Cross Blood Transfusion Centre, Calgary  
completed to tendering stage. To go to tender April, 1969

Adult Vocational Centre, Calgary  
Upgrading of rented facilities by air conditioning four classrooms, canteen and washrooms has been designed

Division of Alcoholism, Calgary  
Program and schedule of accommodation has been prepared in cooperation with the users for approval by the Department of Health

This office has also been engaged in a resurveying program of all government buildings and institutions in the southern half of the province during the fiscal year. Surveys of the following buildings have been completed:

Courthouse, Cardston  
Provincial Building, Cardston  
Provincial Building #1, Calgary  
Second Floor, Oil & Gas Conservation Board Building, Calgary  
Courthouse, Lethbridge  
Courthouse, Calgary

Consultations and joint studies have been carried out with the City of Calgary Planning Department concerning the urban renewal affecting government buildings.

ANNUAL REPORT 1968-69

ENGINEERING BRANCH

DEPARTMENT OF PUBLIC WORKS

There was a minimum of staff and position changes during the past fiscal year in this branch of the department. Mr. E. C. Luck's class title was changed from Chief Planning and Design Engineer to Assistant Chief Engineer. Mr. C. Goodrich was appointed to the vacant position of Chief Mechanical Engineer.

To maintain proper scheduling and to alleviate some of the workload on our own staff, we have commissioned private consultants to carry out engineering work for some of our projects during the past fiscal year. All consultants retained for projects involving fees over \$2,500.00 were selected by the Department of Public Works' Committee for Engineering Consultants. We have endeavoured to spread out the work over as many firms as possible, keeping in mind, of course, that some firms are more suited for certain types of projects than others. All fees paid out were in accordance with the recommendations set forth in the Schedule of Minimum Fees as established by the Association of Professional Engineers of Alberta. Before any of the work is started with consulting engineers, authorization is obtained by Order in Council and an agreement between the department and the consulting engineer is prepared. This agreement is signed by both the engineer and the Minister of Public Works, and defines the scope of the work for which the engineer has been retained.

During the fiscal year 1968-69, we retained 29 different consulting firms to whom we paid out a total of \$675,577.00. In addition to the above consulting firms, we also retained eight different firms to carry out soil testing and foundation investigation services for our buildings and other structures. To these firms the Department of Public Works paid out a total of \$44,746.00. For our program of water well drilling and testing, which was necessary to supply potable water to building sites where required, the department retained five different firms to carry out this work at a total of \$24,387.00. A number of problems developed with roofs on some of our building projects, and these prompted us to retain the services of firms specializing in this type of work. Three such firms were retained and a total of \$2,436.00 was paid out for this work.

In the past fiscal year, the engineering section undertook 148 different projects. The value of this work totalled \$9,165,832.00. Of this amount, 51.8 percent involved work of an engineering nature. This, however, includes work done for the Maintenance Branch as well as renovation work. 41 percent was engineering work in support of the Architectural Section and 7.2 percent was for paving and related work.

By departments, the projects which we worked on in the engineering section were divided up as follows:

Department of Agriculture	\$ 655,623.00
Department of the Attorney General	286,384.00

Department of Education	\$ 1,591,142.00
Department of the Executive Council	39,055.00
Department of Highways	907,137.00
Department of Lands and Forests	464,758.00
Department of the Provincial Treasurer	85,900.00
Department of the Provincial Secretary	72,000.00
Department of Public Health	935,316.00
Department of Public Welfare	11,874.00
Department of Public Works	4,116,643.00

Included in the above work done by the Department of Public Works is work relating to the supply and installation of utilities to the total campus area of the University of Alberta in Edmonton and the Health Sciences Centre in Calgary. At the University in Edmonton, we undertook the design of Phases II and III of the utility tunnel system, both with our own staff electrically and structurally and a consulting engineer mechanically. Also, a consultant was retained to design an addition to the cooling capacity of the Central Cooling Plant at the University. Major electrical renovations were undertaken to convert the campus electrical system from 4,160 Volts to 15,000 Volts and to upgrade the reliability and standard of performance of the overall campus electrical system. The west steam line, which at present supplies the major amount of steam to the University buildings, was completely renovated and rebuilt to provide a reliability in service compatible with the requirements of today's campus needs. A program for the installation of deep sewers required by the development of the University was continued with Phases II and III being let for contract.

In the way of research, the Department of Public Works assigned an architect and an engineer to carry out a complete in-depth study of roofing systems. A report was prepared by Mr. T. B. Campbell-Hope of the Architectural Section and Mr. E. C. Luck, Assistant Chief Engineer, and was distributed, not only in the department, but also to interested firms and companies in private industry.

Another function performed by the engineering section of the department involves the checking of engineering work carried out in association with private architects on the many projects for which the Architectural Section retains private architects. In 1968-69, 49 projects were reviewed by the engineering section and, of these, 26 projects were designed by private firms. The senior engineers of the engineering section have, over the past several years, reviewed and checked on the average of one project per week including projects designed within the department and those designed by private consultants.

ANNUAL REPORT 1968-69MAINTENANCE BRANCHDEPARTMENT OF PUBLIC WORKS

The Maintenance Branch is responsible for maintenance and custodial services of all government buildings in the province. Custodial services are not provided at provincial gaols and some institutions.

On November 1, 1968, the Maintenance and Utilities Branches were amalgamated and titled Physical Plant Division. Mr. W. S. Davies, the former Director of Utilities Services, was appointed Director of Physical Plant on that date. The union of the two branches was effected to consolidate supervision at public buildings, gaols and institutions. Amalgamation was appropriate at this time since retirement of several Maintenance Supervisors and Heating Plant Chief Engineers in the next few years will permit reorganization and replacement of supervisory staff during the early period of transition. It is anticipated that the merger will also provide a considerable saving in the further consolidation of staff and resultant efficiency of operation.

Maintenance funds were provided under the following Appropriations:

	<u>Estimate</u>	<u>Expended</u>
2609 .....	\$ 1,023,060.00	\$ 1,054,503.92
2610 .....	13,275,980.00	12,895,270.04
2612 .....	3,630,180.00	3,383,294.71
2620 .....	83,840.00	77,926.86

A program of expenditure restraint was continued throughout this fiscal year and was reflected in the final total of expenditures which were, under Appropriations 2610 and 2612, considerably below the appropriated amounts.

Funds were provided under Appropriation 2699, which is a transfer vote, for the payment of salary pool tradesmen, grounds, utility workers and labour staff. This enables the salaries of these employees to be charged against Capital and Income Appropriations.

To provide the services for which it is responsible, the Maintenance Branch operates a total of twenty-one fully equipped Shops at strategic locations throughout the province as well as at institutions and gaols. Each Shop has a complement of tradesmen to provide the necessary maintenance services. In addition to these, central Shops located at Edmonton and Calgary manufacture, refinish and repair furniture and equipment for all departments.

A fleet of trucks from half ton to diesel tractor units operating out of the Edmonton and Calgary D.P.W. Shops provides trucking service for this and other departments.



The Government Garage in the Terrace Building and the Heavy Equipment Repair Shop at Lambton Park provide mechanical services for the government car and truck fleets and heavy equipment which it services for other departments.

Security services are provided at the various Alberta Hospitals, Legislative Building and Grounds and the Auditoria. Canadian Corps of Commissionaires Inc. employees are utilized extensively for this purpose as well as for the control of parking and traffic in parking lots. More use was made in the year under review of private firms which offer security services utilizing specially trained employees for this purpose.

The Maintenance Branch staff totalled 2,612 employees comprised of tradesmen, labourers, groundsmen, administrative staff, utility workers, gardeners, custodial staff and wages staff.

Capital construction in the amount of \$1,521,850.00 was carried out during the fiscal year by the Maintenance Branch. This work was carried out with the approval of the Deputy Minister which, for various reasons, was more expedient to be done by the Maintenance Branch. Most of this construction was necessary at institutes, hospitals and public buildings where normal business activity must be carried on during construction.

The Provincial Auditoria, the Legislative Building, the Provincial Museum and Archives and the Government Greenhouse continue to attract many thousands of tourists and local citizens as points of interest in Edmonton and Calgary.

The annual meeting of the Maintenance Branch Supervisors was held on March 25, 26 and 27, 1969, with most of the Supervisors in attendance. Mr. Davies addressed the meeting and gave a preliminary report on the amalgamation of the two branches. It was generally felt that the Maintenance Branch had completed a successful year of operation with most commitments carried out and, as previously reported, well within the budgeted amounts.

ANNUAL REPORT 1968-69UTILITIES BRANCHDEPARTMENT OF PUBLIC WORKS

The Utilities Branch is responsible for the operation and maintenance of eleven power plants and eleven heating plants serving major provincial institutions and other establishments in the province. Plant locations are: eight in Edmonton and vicinity; two in Red Deer; three in Calgary; one each at Ponoka, Camrose, Bowden, Claresholm, Lethbridge, Olds, Vermilion, Peace River and Fairview. These plants provide heat and power and, in most instances, include facilities for water and sewage treatment.

Plant and office personnel total two hundred and sixteen regular employees, which is a net increase of one over the 1967-68 total. This was caused by the hiring of a Special Projects Engineer for the Utilities Branch head office. During this fiscal year, thirty-five new employees were hired to replace those who retired or resigned. Thirteen employees received promotions within this branch.

A conference of the chief engineers from all the plants was held on April 29 and 30, 1968, and one for the chief engineers from the eleven power plants was held on October 15 and 16, 1968. These conferences provided an opportunity to exchange ideas for the development of improved methods of plant operation. These were the third and fourth such conferences, and they proved to be very successful.

Staff from this branch worked with the University of Alberta and the University of Alberta Hospital to prepare an agreement regarding the production, distribution and use of electrical energy in the greater Edmonton campus area. The three sections of the agreement that were completed and signed by all parties concerned covered lines of jurisdiction, clearance procedures and metering of electrical energy. A similar agreement is also being prepared with regard to the production, distribution and use of steam in the University area.

Extensive experimentation was carried out by the Utilities Branch staff at the Alberta Hospital, Ponoka, with regard to the methods of operation of the sewage treatment plant. This work has resulted in a fifty percent reduction in operating staff while maintaining the exceptionally high quality of plant effluent.

Major expansion to the facilities at the Alberta Hospital, Claresholm; Public Works South Power Plant, Edmonton; Alberta Hospital, Edmonton; and Rosehaven Home, Camrose, were planned and/or constructed under the direction of the Design and Construction Branch of the Department of Public Works during this fiscal year.

The power plant statistical figures on the following pages show a fifteen percent increase of steam production and sixteen percent for electrical power

consumption compared to the 1967-68 fiscal year. Overall operating costs increased by thirteen percent. The heating plant figures show approximately a twenty-five percent increase in fuel consumption and a twenty-five percent increase in electrical power consumption; overall operating costs increased by twenty-nine percent.

GOVERNMENT OF ALBERTA POWER PLANT STATISTICS  
FOR YEAR ENDING MARCH 31, 1969

APPROPRIATION 2614

	FUEL		WATER		ELECTRICITY		STEAM	EXPENDITURE
	Fuel Oil (Imp. Gals.)	Gas (Cu. Ft.)	Pumped From Local Sources (Imperial Gallons)	Purchased (Imperial Gallons)	Generated (Kilowatt Hours)	Purchased (Kilowatt Hours)	Produced (Lbs.)	Plant Operation & Institutional Utilities
Baker Memorial Sanatorium, Calgary	50	38,493,000	24,365,690	---	911,290	453,590	63,891,120	\$ 124,413.27
Southern Alberta Institute of Technology, Calgary	---	275,635,000	---	46,693,000	1,368,460	20,577,600	191,694,500	341,578.59
Alberta Hospital, Clareholm	2,800	83,640,000	---	20,982,560	585,600	1,695,800	53,522,250	147,245.71
Public Works South Power Plant, Edmonton	---	1,386,953,000	---	25,110,625	20,078,000	93,497,600	1,221,500,955	1,097,946.48
Legislative Buildings Power Plant, Edmonton	1,058	255,036,000	---	73,531,125	2,494,200	19,056,800	215,413,600	297,247.17
Provincial Gaol, Fort Saskatchewan	500	86,752,000	17,109,763	---	1,013,400	366,000	68,303,190	95,674.76
Provincial Gaol, Lethbridge	---	61,345,000	---	46,748,900	625,810	30,240	43,618,900	95,051.05
Alberta Hospital, Edmonton	2,000	362,316,000	---	92,861,250	5,513,100	1,215,170	310,765,400	253,533.04
Alberta Hospital, Ponoka	1,450	315,242,000	61,530,000	---	5,203,300	253,800	262,192,800	205,043.97
Alberta School Hospital, Red Deer	2,280	194,800,000	---	43,255,063	1,911,400	1,909,572	155,464,428	181,056.51
Deerome Institution, Red Deer	80	154,737,000	---	52,365,063	912,524	4,072,725	133,519,700	174,582.99
10,218	3,264,949,000	103,005,453	401,547,585	40,617,084	143,128,837	2,729,886,843	13,003,384.54	

Total Fuel Oil Used . . . . . 10,218 Imperial Gallons  
 Total Gas Used . . . . . 3,264,949,000 Cubic Feet  
 Total Water Used . . . . . 504,553,089 Imperial Gallons  
 Total Electricity Used . . . . . 183,745,971 Kilowatt Hours  
 Total Steam Produced . . . . . 2,729,886,843 Pounds



GOVERNMENT OF ALBERTA HEATING PLANT STATISTICS  
FOR YEAR ENDING MARCH 31, 1969

APPROPRIATION 2615

	HEATING OIL (Imp. Gals.)	GAS (Cu. Ft.)	WATER (Imp. Gallons)	POWER (Kilowatt Hours)	EXPENDITURE Plant Operation and Maintenance
Bowden Institution, Bowden	1,000	48,996,000	10,550,000	1,128,300	\$ 102,637.21
Provincial Gaol, Calgary	140	57,986,000	19,199,000	1,859,210	94,594.17
Rosehaven Home, Camrose	---	64,107,000	14,626,644	1,248,130	109,503.42
Belmont Rehabilitation Centre, Edmonton	40	26,543,000	7,865,063	523,800	58,721.26
Alberta Institution for Girls, Edmonton	100	23,488,000	3,672,187	689,120	50,690.44
Alberta School for the Deaf, Edmonton	54	36,844,000	8,578,313	1,052,800	74,094.12
Northern Alberta Institute of Technology, Edmonton	248	248,604,000	51,548,313	15,487,715	253,615.77
Correctional Institution, Peace River	1,148	60,560,000	5,956,232	2,044,575	131,492.71
Agricultural & Vocational College, Fairview	9,168	46,648,000	3,209,400	1,375,654	105,050.08
Agricultural & Vocational College, Olds	400	62,402,000	10,943,400	2,268,363	136,158.52
Agricultural & Vocational College, Vermilion	359	44,161,000	7,146,000	1,233,780	88,038.87
12,657	720,339,000	143,294,552	28,911,447	\$1,205,606.57	
	Total Fuel Oil Used			12,657 Imperial Gallons	
	Total Gas Used			720,339,000 Cubic Feet	
	Total Water Used			143,294,552 Imperial Gallons	
	Total Power Used			28,911,447 Kilowatt Hours	

STATISTICS ON CAPITAL EXPENDITURES - PROVINCIAL GOVERNMENT POWER PLANTS  
FOR YEAR ENDING MARCH 31, 1959

APPROPRIATION 2684

	SHOP EQUIPMENT AND TOOLS AIR COMPRESSORS	SAFETY OVERTSPEED TRIP EQUIPMENT	RECORDING EQUIPMENT	BOILER ROOM, BOILER AND TURBINE RENOVATIONS	ELECTRICAL RENOVATIONS, ALARM AND INTERCOM SYSTEMS	WATER AND SEWAGE TREATMENT PLANTS, REPAIRS AND EQUIPMENT	TOTAL EXPENDITURE (EACH PLANT)
Baker Memorial Sanatorium, Calgary	---	\$ 1,831.49	\$ 274.03	---	---	---	\$ 2,105.52
Southern Alberta Institute of Technology, Calgary	\$11,528.98	---	---	\$ 2,056.40	\$ 452.73	---	\$ 14,048.11
Alberta Hospital, Clareholm	\$ 524.54	---	\$ 1,225.99	\$ 371.21	---	---	\$ 2,121.74
Public Works South Power Plant, Edmonton	\$ 1,270.42	---	\$ 3,072.54	\$56,051.06	\$ 199.09	---	\$ 60,593.11
Legislative Buildings Power Plant, Edmonton	---	\$ 2,355.75	\$ 1,242.88	---	\$ 20.72	---	\$ 3,619.35
Provincial Gaol, Fort Saskatchewan	---	\$ 1,701.27	\$ 2,000.87	---	---	\$ 690.16	\$ 4,392.30
Provincial Gaol, Lethbridge	---	\$ 1,669.15	\$ 2,612.63	---	---	---	\$ 4,281.78
Alberta Hospital, Edmonton	---	\$ 2,313.40	\$ 405.00	---	---	---	\$ 2,718.40
Alberta Hospital, Ponoka	---	\$ 1,010.76	\$ 1,059.08	\$ 5,031.72	---	\$2,593.90	\$ 9,695.46
Alberta School Hospital, Red Deer	---	\$ 1,989.63	\$ 1,441.34	\$ 67.29	\$6,256.60	---	\$ 9,754.86
Deerhome Institution, Red Deer	---	\$ 971.64	\$ 704.37	---	---	---	\$ 1,676.01
TOTALS:	\$13,323.94	\$13,843.09	\$14,038.73	\$63,577.68	\$6,939.14	\$3,274.06	\$114,996.64

STATISTICS ON CAPITAL EXPENDITURES - PROVINCIAL GOVERNMENT HEATING PLANTS  
FOR YEAR ENDING MARCH 31, 1969

APPROPRIATION 2684

	SHOP EQUIPMENT AND TOOLS AIR COMPRESSORS	RECORDING EQUIPMENT	BOILER ROOM, BOILER AND TURBINE RENOVATIONS	WATER AND SEWAGE TREATMENT PLANTS, REPAIRS AND EQUIPMENT	TOTAL EXPENDITURE (EACH PLANT)
Bowden Institution, Bowden	---	\$ 1,009.79	\$1,877.92	\$1,200.45	\$ 4,088.16
Provincial Gaol, Calgary	---	\$ 624.45	\$1,673.31	---	\$ 2,297.76
Rosehaven Home, Camrose	---	---	---	---	---
Belmont Rehabilitation Centre, Edmonton	---	\$ 878.97	---	---	\$ 878.97
Alberta School for the Deaf, Edmonton	---	\$ 810.15	---	---	\$ 810.15
Northern Alberta Institute of Technology, Edmonton	---	\$ 438.82	\$1,429.60	---	\$ 1,868.42
Correctional Institution, Peace River	\$ 3,209.93	\$ 2,667.81	\$1,379.28	\$1,256.46	\$ 8,513.48
Agricultural & Vocational College, Fairview	\$ 2,873.08	\$ 3,278.53	---	---	\$ 6,156.61
Agricultural & Vocational College, Olds	\$ 3,065.95	\$ 2,066.50	---	---	\$ 5,132.45
Agricultural & Vocational College, Vermillion	\$ 2,662.66	\$ 3,424.22	---	---	\$ 6,086.88
TOTALS:	\$11,816.62	\$15,199.24	\$6,360.11	\$2,456.91	\$35,832.88

ANNUAL REPORT 1968-69STOCK ADVANCE BRANCHDEPARTMENT OF PUBLIC WORKS

Mr. B. Neilson, Stock Advance Administrator, directs the operation of this branch from the central office in the Terrace Building, Edmonton. A total staff of 34 employees is divided into a stores section for which Mr. R. A. English, Chief Stockkeeper is responsible, and an accounting section with Mr. D. Kostiw, Chief Clerk Accountant, in charge.

This section of the department is responsible for the administration of the Stock Advance Fund and the inventory of machinery, equipment and material necessary for its operation. A sum of money is allocated each fiscal year to the branch as a working fund in order that the department may purchase and maintain a stock of machinery, equipment and material. This provides an immediate source of supply for the government trade forces, thus eliminating unnecessary delays and reducing down-time to the minimum. The funds advanced in the year 1968-69 were \$1,500,000.00.

The main function of the Stock Advance Branch is to provide a material warehousing service where more than 4,000 stock items are held available, which include building materials, furnishings, automotive and equipment parts and gasoline and diesel fuels. The operation of the Stock Advance Fund allows the branch to obtain all the benefits of bulk purchasing. Purchases are made through the facilities of the Government Purchasing Agency. The stock is charged, as issued, against various departments, services and government-sponsored activities.

A stock of building and industrial equipment, including a fleet of trucks, is purchased out of the fund and is maintained by the branch and is an immediate source of supply through rental to the various departments.

A stock of office furniture is purchased and maintained for standardization of government offices throughout the province, and is charged, as issued, against the various buildings.

Building Material Catalogues and Equipment Rental Booklets, which are revised annually, are distributed throughout the government service. The branch also undertakes other promotional and informative activities to develop and maintain a quantitative foundation with relation to cost benefits and target priorities of departmental programs and budgets.

The department operates production shops in the cities of Edmonton and Calgary. When a special item of furniture or equipment is required which is not readily obtainable from an outside supplier, it is manufactured in our own shop. The cost is obtained by issuing a Stock Advance Job Order for the work involved. This permits the the Stock Advance Section to obtain the cost of the work



and thus charge the total manufacturing cost to the particular department of service.

The department also operates an automotive garage and a heavy equipment repair shop and, when a unit operated by a department requires repairs, the cost is obtained and charged in a similar manner.

A ten percent charge to cover supervision and administration is made on all operations. The profits arising from the operations of the year, as shown by the statements certified by the Provincial Auditor, are transferred to the General Revenue Fund.

STATEMENT OF OPERATIONS AS AT MARCH 31, 1969  
STOCK ADVANCE BRANCH  
DEPARTMENT OF PUBLIC WORKS

56.

Account Titles	Trial Balance		Profit & Loss Statement		Balance Sheet	
	Debit	Credit	Debit	Credit	Assets	Liabilities
Material & Supplies	\$ 370,672.35	\$	\$	\$	\$ 370,672.35	\$
Work in Process	3,597.15				3,597.15	
Accounts Receivable	395,049.99				395,049.99	
Equipment New	254,119.27				254,119.27	
Prepaid Expenses	7,993.89				7,993.89	
Accounts Payable		86,904.17				86,904.17
Provincial Treasurer's Advance		871,002.29				871,002.29
Supervision Charged Out		155,190.47		155,190.47		
Labour Charged Out		390,377.10		390,377.10		
Previous Year's Refunds		117.91		117.91		
Equipment Rentals		294,491.04		294,491.04		
Profit & Loss on Disposal of Non-Stock Scrap		511.11		511.11		
Equipment Operating Expense	121,897.88		121,897.88			
Office Equipment Services & Rentals	794.25		794.25			
Stock Insurance	2,076.20		2,076.20			
Sundry Expenses	12.50		12.50			
Telephone, Telegraph & Postage	82.91		82.91			
Dry Cleaning	284.45		284.45			
Depreciation on Equipment	104,290.16		104,290.16			
Stationery & Supplies	4,887.79		4,887.79			
Shipping Supplies	882.82		882.82			
Uniforms	53.10		53.10			
Profit & Loss on Disposal of Equipment		6,166.75		6,166.75		
Inventory Adjustment Account		7,779.84		7,779.84		
Salaries (Staff)	151,603.22		151,603.22			
Travelling Expenses (Staff)	299.44		299.44			
Salaries & Wages (Casual Help)	145.14		145.14			
Labour Expense (S.A. Jobs)	390,377.10		390,377.10			
Late Labour Charge-Outs by Data Centre (S.A. Jobs)	3,421.07				3,421.07	
	\$1,812,540.68	\$1,812,540.68	\$777,686.96	\$854,634.22	\$1,034,853.72	\$ 957,906.46
Net Profit			76,947.26			76,947.26
			\$854,634.22			\$1,034,853.72

ANNUAL REPORT 1968-69PERSONNEL BRANCHDEPARTMENT OF PUBLIC WORKSSENIOR STAFF CHANGES

The only change in the senior staff of the department during the year was the appointment of Mr. W. S. Davies to the position of Director of Physical Plant on October 1, 1968. Mr. Davies was appointed to this position to organize the directorate of Physical Plant with a view to amalgamating the Maintenance and Utilities Services. He had formerly been appointed Director of Utilities Services on January 4, 1966. Subsequent to the transfer of Mr. Davies, Mr. L. A. Undershultz was appointed Director of Utilities Services.

MAJOR CLASSIFICATION CHANGES

The Technologist's series was set up for Technologist I to Technologist V inclusive to replace the series which formerly consisted of Technical Aide, Technical Assistant I to III inclusive and Architectural Assistant. The new series was discussed with representatives of this department in February and March and the reclassifications were implemented to be effective January 1, 1969, which coincided with the pay review effective that date.

MEASURE OF ACHIEVEMENT

The provision of suitably qualified staff for the branches of the department was tabulated at the end of each month in the following four organizational elements wherein the percentages of positions filled varied as follows:

Administration	from 82.7% to 92.3%
Design and Construction	from 82.1% to 93.2%
Maintenance	from 92.6% to 95.1%
Utilities	from 93.1% to 97.7%

STATISTICAL DATA - ESTABLISHMENT

The following provides a record of establishment changes during the past four fiscal years:

	<u>1965-66</u>	<u>1966-67</u>	<u>1967-68</u>	<u>1968-69</u>
Positions beginning of fiscal year	1722	1863	2063	2293
Additions	141	242	274	159
Abolishments	0	42	44	114
	<hr/>	<hr/>	<hr/>	<hr/>
Positions at end of fiscal year	1863	2063	2293	2338

STATISTICAL DATA - TURNOVER AND COMPETITIONS

	<u>1965-66</u>	<u>1966-67</u>	<u>1967-68</u>	<u>1968-69</u>
Resigned (including temporary summer relief employees) .....	115	146	160	198
Retired .....	27	35	45	50
Deceased .....	15	10	14	11
Transferred to other departments ...	14	8	15	10
Dismissed .....	10	12	14	13
	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>
Total Terminations	181	211	248	282
Vacancies advertised through the Personnel Administration Office ...	129	202	194	108
Positions advertised through D.P.W. Competitions .....	94	264	177	131
	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>
Total Vacancies Advertised .....	223	466	371	239

STATISTICAL DATA - WAGES STAFF

The following provides a record of ~~some~~ measure of the changes in numbers of wage employees that occurred during the year:

<u>Employees</u>	<u>1965-66</u>	<u>1966-67</u>	<u>1967-68</u>	<u>1968-69</u>
Beginning of fiscal year .....	469	653	683	443
End of fiscal year .....	603	732	707	409
Average per month .....	583	842	868	470



ANNUAL REPORT 1968-69CONSTRUCTION BRANCHDEPARTMENT OF PUBLIC WORKS

With the advent of the policy of restraint, the volume of field work in hand at the beginning of the fiscal year started to show a slight decrease as other government departments held back on the initiation and approval of new projects. Despite this, however, a total of 94 projects, ranging from Salt Sheds for the Department of Highways to the large Biological Sciences Complex at the University of Alberta, were in progress, representing the control and expenditure of some \$73,000,000.00 in capital funds.

During the year, the Universities at Calgary and Edmonton had financial responsibility for their own buildings transferred to them, with the Construction Branch continuing to control the field execution of the existing contracts. In line with the new policy, the Construction Branch commenced a phased withdrawal from the University building program, leaving themselves only the responsibility for the completion of the Social Sciences Building, Phase I, at the University of Calgary, and the Biological Sciences Complex at the University of Alberta. Utility services projects on the University of Alberta Campus and their tie-in to the Department of Public Works South Power Plant continued to be executed under the control of the Construction Branch.

The organizational setup of the Branch was further developed through the course of the year by the allocation of Inspector I's to medium-sized projects and groups of smaller projects and the appointment of Senior Inspectors or Inspector II's to major projects with additional area responsibility for general supervision of the work of the Inspector I's. The progressive tightening up of inspection standards and in-depth inspection of construction details was continued. Specialist assistance on loan from the Maintenance Branch improved the performance and quality of painting and roofing subcontract work.

Improved routines were initiated, with benefit to contracting forces, for the expeditious handling of Change Orders and Progress Claims. Project coordination continued to be developed through the branch head, Mr. E. M. Silver, P. Eng., utilizing the services of the department engineers, private architects and professional consultants.

GRANTS PAYABLE UNDER THE DEPARTMENT OF PUBLIC WORKS ACT,  
CHAPTER 79, SECTION 11, TOWARDS THE COST OF CONSTRUCTION  
OF SWIMMING POOLS OR THE IMPROVEMENTS THEREOF

1. A grant of \$7,000.00 or one-third of the actual cost of construction, whichever is the lesser amount, is payable towards the cost of construction of a swimming pool.
2. A grant of \$7,000.00 is payable towards the cost of improvements to an already existing swimming pool for which no grant has already been paid, or one-third of the actual cost of such improvements, whichever is the lesser amount.
3. Grants as set forth above are payable to municipalities with a population of not more than 10,000.
4. Approval by the engineers of the Department of Public Works must be obtained for the plans of the pool and drainage arrangements.
5. Approval of the plans of the pool as to sanitary arrangements must be obtained from the sanitary engineers of the Department of Health.
6. The grant will be computed from an audited statement of expenditure which must be submitted to the Department of Public Works.
7. The title of the swimming pool must be held by the municipality, village, town or city.

During the fiscal year 1968-69, a total of \$56,000.00 was paid to the following as "swimming pool grants":

Village of Forestburg  
Town of Fort Saskatchewan  
Town of Coronation  
Town of Barrhead  
Town of Castor  
Town of Redwater  
Town of Westlock  
Town of Nanton

ANNUAL REPORT 1968-69PROPERTIES ADMINISTRATION SECTIONDEPARTMENT OF PUBLIC WORKS

The various functions of the Properties Administration Section are:

1. To acquire sites for all government building developments
2. To accommodate all government departments in government buildings
3. To negotiate and provide for leased accommodation when government accommodation is not available
4. To pay all Grants in Lieu of Taxes and frontage taxes

Administratively, the above involves the following:

- a. Negotiation for properties
- b. Property appraisals
- c. Documentation relating to transfer of properties
- d. Negotiation for easements and rights of way over privately-owned land
- e. Granting of easements and rights of way over crown-owned land
- f. Custody of records and Certificates of Titles
- g. Supplying and moving of telephones
- h. Administration of grants in lieu of taxes
- i. Payment of utilities
- j. Insurance on buildings for fire, contents and public liability
- k. Provision and allocation of parking and collection of parking fees
- l. Disposal of properties surplus to government requirements
- m. Compilation of statistics related to occupancy of government buildings
- n. Administration of Public Works Development Areas
- o. Representation on "Property Committee" when the government works in unison with other agencies for assembly and controlled development of lands
- p. Coordinating the implementation of survey requirements of the department with the Director of Surveys, Department of Highways

Acquisition of properties for major and long-term developments is normally carried out under that section of the Public Works Act which provides for certain areas being declared by Order in Council to be "Public Works Development Areas".

In 1968-69, no new "Public Works Development Areas" were established, but the section continued to administer the existing Public Works Development Areas. All buildings on the site of the proposed new Courthouse in Edmonton were demolished by the end of the fiscal year with the exception of the Weights and Measures Building and the Waverly Rooms. The number of properties acquired was three for a cost of \$304,570.00, with cost per square foot being approximately \$16.00.

The expansion of the University of Alberta, Edmonton, into the "Garneau Area" continued with a total of fourteen properties acquired for a cost of \$415,895.00,

with cost per square foot being approximately \$5.00. There were only 45 properties left to be acquired in the coming year.

In the Government Development Area, only those properties which the owners were anxious to sell were purchased. This involved two properties for a total purchase price of \$123,000.00, for approximately \$5.50 per square foot.

Some of the purchases involving properties of considerable magnitude were:

1. Site for Courthouse, Edmonton	\$719,155.14
2. Alberta Industrial Training Centre, Calgary	749,925.00
3. D.P.W. Residences, Peace River	91,338.48
4. Motor Vehicle Testing Site, Calgary	313,967.18

Of considerable interest was the transfer of administration and control to the Alberta Housing and Urban Renewal Corporation early in 1969 of all staff housing.

#### SUMMARY

Total cost of properties purchased for the year - \$2,950,517.32  
 Total parking stalls administered - 4,500  
 Total money paid for Grants in Lieu of Taxes involving in excess of  
 100 cities, towns, municipalities and counties - \$2,614,096.05  
 Total leases administered - 300 involving 620,000 square feet (this does  
 not include Driver Examiner space, which is leased on a daily basis,  
 Magistrate's Courts, various storage space and miscellaneous space)



THE CROWN PROPERTY MUNICIPAL GRANTS ACT

Under "The Crown Property Municipal Grants Act", being Chapter 20 of the Statutes of Alberta, 1961, and amendments and regulations thereto, grants are paid on all Crown-owned properties other than the following:

- (a) real property forming part of an undertaking in respect of the conservation, irrigation, reclamation, rehabilitation or reforestation of land;
- (b) any park, historical site, monument or museum;
- (c) except when otherwise prescribed by the Provincial Treasurer, real property leased to or occupied by a person from whom the municipality may, by reason of his interest in the property, levy and collect a municipal tax;
- (d) real property used for or in connection with academic, trade, forestry or agricultural schools, colleges or universities;
- (e) real property used for or in connection with hospitals and mental institutions;
- (f) (deleted by amendment);
- (g) real property comprising streets, lanes, roadways or road allowances;
- (h) real property that is not used or actively occupied by the Crown and that is not occupied by a person under a lease, licence permit or agreement for sale;
- (i) real property owned by the Alberta Liquor Control Board, the Alberta Government Telephones Commission or the Workmen's Compensation Board;
- (j) any specific property or class of real property exempted from the provisions of the Act by the Lieutenant Governor in Council.

In addition to this, grants are paid on any building which would otherwise be excluded but which are serviced by local utilities services, such as forestry ranger buildings.

In the case of grazing leases on Crown lands, a portion of the lease fee is returned to the Municipality and such payments made are not included in the figures shown as payments made under "The Crown Property Municipal Grants Act".

## GRANTS IN LIEU OF TAXES

During the fiscal year 1968-69, a total of \$2,616,778.40 was paid to the following Cities, Towns, Villages, Counties and Municipal Districts throughout Alberta as grants in lieu of taxes for government buildings:

CITY OF:			
Calgary .....	\$ 445,006.40	Three Hills .....	\$ 1,198.66
Camrose .....	20,712.38	Trochu .....	158.62
Drumheller .....	16,322.18	Two Hills .....	2,333.20
Edmonton .....	1,226,535.78	Valleyview .....	3,232.05
Grande Prairie .....	40,557.33	Vegreville .....	5,167.70
Lethbridge .....	53,577.26	Vermilion .....	4,375.52
Medicine Hat .....	28,222.38	Viking .....	984.20
Red Deer .....	37,699.45	Vulcan .....	1,083.60
Wetaskiwin .....	9,860.76	Wainwright .....	887.51
		Westlock .....	674.56
		Whitecourt .....	3,865.55
TOWN OF:			
Athabasca .....	4,028.50	VILLAGE OF:	
Barrhead .....	7,164.33	Andrew .....	658.80
Beaverlodge .....	153.60	Bon Accord .....	201.91
Black Diamond .....	196.35	Boyle .....	42.16
Blairmore .....	5,348.72	Breton .....	1,881.00
Bonnyville .....	4,374.61	Caroline .....	327.75
Bow Island .....	1,328.40	Chipman .....	47.00
Brooks .....	2,282.70	Consort .....	1,076.46
Cardston .....	2,820.60	Czar .....	312.48
Castor .....	7,175.48	Duchess .....	1,388.10
Claresholm .....	5,834.88	Elnora .....	138.05
Cold Lake .....	1,053.50	Evansburg .....	210.70
Coleman .....	630.96	Hines Creek .....	671.30
Coronation .....	6,301.56	Kinuso .....	46.20
Devon .....	376.20	Oyen .....	379.80
Didsbury .....	531.24	Rycroft .....	1,907.20
Drayton Valley .....	3,507.00	Ryley .....	1,145.25
Edson .....	17,976.82		
Fairview .....	1,389.92	COUNTY OF:	
Falher .....	8,144.76	Forty Mile #8 .....	1,068.00
Fort Macleod .....	7,002.84	Grande Prairie #1 .....	228.80
Fort McMurray .....	20,015.89	Lac Ste. Anne #28 .....	8,861.91
Fort Saskatchewan .....	53,704.16	Lacombe #13 .....	802.90
Fox Creek .....	1,630.80	Leduc #25 .....	3,021.47
Gleichen .....	317.55	Lethbridge #26 .....	49,849.97
Granum .....	645.88	Newell #4 .....	10,603.52
Grimshaw .....	5,597.28	Ponoka #3 .....	8,615.31
Hanna .....	11,808.30	Red Deer #23 .....	91,917.36
High Level .....	2,011.80	St. Paul #19 .....	63.23
High Prairie .....	12,862.21	Smoky Lake #13 .....	32.76
Hinton .....	1,527.60	Stettler #6 .....	114.10
Innisfail .....	1,407.52	Strathcona #20 .....	2,493.93
Killam .....	896.79	Thorhild #7 .....	75.60
Lac La Biche .....	9,580.33	Two Hills #21 .....	130.87
Lacombe .....	3,429.92	Vermilion River #24 .....	2,631.96
Magrath .....	1,077.93	Warner #5 .....	530.76
Manning .....	3,654.82	Wetaskiwin #10 .....	1,090.44
Mayerthorpe .....	3,672.90	Wheatland #16 .....	310.50
McLennan .....	706.32		
Nanton .....	1,402.56	MUNICIPAL DISTRICT OF:	
Olds .....	13,247.31	Fairview #136 .....	1,767.68
Peace River .....	33,618.59	Foothills #31 .....	1,772.14
Ponoka .....	1,225.57	Peace #135 .....	85,771.56
Rimbey .....	300.30	Rockyview #44 .....	87,645.19
Rocky Mountain House .....	13,409.90	Stony Plain #84 .....	1,337.19
Slave Lake .....	15,020.85	Sturgeon #90 .....	8,770.76
Smoky Lake .....	76.14	Westlock #92 .....	124.60
Spirit River .....	6,565.60	Willow Creek #26 .....	712.40
Stettler .....	5,186.72		
St. Paul .....	6,362.40	IMPROVEMENT DISTRICT OF:	
Strathmore .....	2,985.84	Drumheller #42 .....	492.02
Swan Hills .....	2,927.60	Canmore #46 .....	1,944.50
Taber .....	2,378.53	Entrance #96 .....	2,021.30
		Raven River #65 .....	873.68
		Manning #138 .....	1,333.86
Totals for previous five years:		1966-67 .....	1,711,522.25
1963-64 .....	1,461,790.64	1967-68 .....	2,133,228.29
1964-65 .....	1,544,669.82		
1965-66 .....	1,642,952.99		

SUMMARY OF EXPENDITURES BY THE DEPARTMENT OF PUBLIC WORKS FOR THE FISCAL YEAR ENDING MARCH 31, 1969,  
AND THE CORRESPONDING FIGURES FOR THE PREVIOUS FIVE YEARS

Appropriation Number	Description	Amount					Total	1963 - 1964
		1968 - 1968	1967 - 1968	1966 - 1967	1965 - 1966	1964 - 1965		
		\$	\$	\$	\$	\$	\$	
2601	ADMINISTRATION:	28,393.75	21,701.85	25,109.29	19,611.92	19,826.65	21,105.15	
2602	Minister's Office	533,630.46	531,992.78	447,080.75	308,454.93	265,374.42	307,950.76	
2606	General Administration	1,590,758.25	1,548,955.29	1,336,912.89	1,053,103.44	905,232.22	868,075.25	
2608	Public Buildings Staff	83,742.81	76,855.86	61,126.44	55,577.87	49,180.05	48,305.35	
2609	Utilities Branch	1,054,503.92	925,739.04	696,389.67	591,504.37	262,766.11	--	
	Maintenance Branch							
2610	MAINTENANCE:	12,895,270.04	11,947,186.81	9,173,215.71	7,640,044.85	6,885,676.46	6,167,042.90	
2612	Legislative & Public Buildings	3,383,294.71	3,279,292.46	2,926,651.00	2,507,108.06	2,302,316.38	1,806,865.52	
2614	Public Institutions	3,003,384.54	2,645,646.69	2,403,383.78	2,259,410.30	2,111,109.12	2,002,671.01	
2615	High Pressure Power Plants	1,205,606.57	931,224.53	632,346.12	581,977.24	531,116.88	497,239.15	
2620	Low Pressure Power Plants	77,926.86	93,701.23	70,191.03	78,650.92	80,199.49	74,223.68	
	Government Automobile Service							
2624	GRANTS:	56,000.00	34,840.11	42,000.00	14,000.00	28,232.32	14,000.00	
2625	Grants to Municipalities for Swimming Pools							
2626	Grants for Construction of Public Buildings	70,283.26	48,846.11	5,680.26	111,333.36	70,768.10	312,727.29	
	Grants to Municipalities in Lieu of Taxes	2,614,096.05	2,123,522.59	1,711,522.25	1,642,900.55	1,544,669.82	1,461,790.64	
2681	CAPITAL:							
2682	Administrative & Judicial Buildings - Furnishings & Equipment	826,567.13	924,279.35	664,891.46	455,172.68	437,303.98	414,652.65	
2683	Public Buildings - Sites & Construction	26,506,485.47	78,184,624.80	80,007,623.37	37,778,360.82	19,363,809.10	13,155,337.37	
	Specialized Institutional & Departmental Buildings - Furnishings & Equipment	4,919,116.13	14,204,041.55	9,841,854.41	6,771,299.15	4,735,109.95	6,843,585.24	
2684	Power Plant Construction	150,829.52	81,150.78	80,897.25	90,859.92	118,165.72	131,321.85	
		<u>58,999,889.47</u>	<u>117,603,601.83</u>	<u>110,126,875.78</u>	<u>61,999,370.45</u>	<u>39,710,856.77</u>	<u>34,126,893.81</u>	







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