

24. Re: Proposed Pedestrian Structure
Lougheed Mall.

The C.I.P. has an amount of \$60,000.00 provided this year for the proposed construction of the above-named structure. It is the intention that this structure will ultimately be paid for by the apartment developers on the south side of Lougheed Highway, and to this end \$13,000.00 has been deposited to date as a result of a charge to apartment developers.

In order to proceed with the work the Engineer has invited proposals to carry out the required engineering for this structure from Associated Engineering Services Limited, N.D. Lea and Associates Limited, and Reid Crowther and Partners Limited. Attached hereto is a summary of the proposals received from these firms.

The proposed structure is to be located approximately 500 feet west of the existing traffic light at Austin and Lougheed Highway, and is primarily to provide access for children from the apartment area on the south side of Lougheed Highway to cross the highway to attend a school on the north side of the highway, and also to provide access to the apartment dwellers on the south side of the highway to the Lougheed Mall Shopping area. It is considered desirable to carry out the Engineering Study in three phases:

1. A preliminary study and report regarding the relative merits and disadvantages of the available alternative forms of structures, wall treatment, lighting, etc.
2. Detail design of structure, whichever type is decided upon.
3. Resident supervision of construction.

In order to construct an underpass, it would be necessary to relocate the traffic and open cut for tunnel construction, and at least one of the consulting firms, Reid Crowther and Partners Limited, have received a preliminary indication from the Department of Highways that they would consider this method of construction.

Although Reid Crowther and Partners are not the lowest in quoted engineering fee, being \$650.00 higher than N.D. Lea and Associates, they have proposed that they would place an upset value on their engineering fee of \$1,500.00 for the preliminary engineering study and report and \$4,150.00 for the detailed engineering design. For this reason, the Engineer recommends, and the Manager concurs, that the firm of Reid, Crowther and Partners be commissioned to carry out the engineering for the Lougheed Mall pedestrian structure on the basis of:

1. A preliminary study and report as outlined above, with payment to be based on 2½ times payroll to a maximum of \$1,500.00.
2. Detailed engineering design of whichever type of structure is decided upon at 2½ times payroll with a maximum of \$4,150.00.
3. Resident engineering, if required, to supervise construction with payment to be based on salaries plus 100%.

NAME OF CONSULTANT	Est. Underpass	Est. Overpass	Eng. Est. Preliminary	Eng. Est. Design	Eng. Est. Resident	Total Preliminary and Design
A. E. S. L.	\$80,000 (Verbal - not in proposal)	----	\$4,000 - \$6,000 Assoc. Hourly rates	6½ - 7½% Calculated \$6,000 @ 7½% of est. \$80,000 Hourly rates.	Salaries Plus 100%	\$10,000 - \$12,000 Estimated
Reid Crowther & Partners	\$66,000 - \$80,000 Verbal (not in proposal)	\$48,000 Verbal (not in proposal)	* \$1,500 2.5 times payroll	* \$4,150 2.5 times payroll or hourly rates	Salaries Plus 100%	* \$5,650
N. D. Lea & Associates	\$45,000	\$35,000	\$1,000 Assoc. Hourly Rates	\$4,000 Assoc. Hourly Rates	Salary + 100% Under Xing \$2,500 Over Xing \$3,000	\$5,000 Estimated

- * Maximum cost (other firms gave estimate of Engineering cost)
All proposed preliminary study and detail design to be paid
by Assoc. Hourly rates and only Reid Crowther set a maximum.
All proposed resident Engineering be paid salaries plus 100%. (No maximum)

Amount in C.I.P.

\$60,000.00

ITEM 24
MANAGER'S REPORT NO. 45
COUNCIL MEETING July 12/71