

In reference to Schedule “B”, page 56 of 82 – Tools and Equipment, project cost \$770,000:

Q. Please provide a list of the line tools and equipment to be replaced and the cost per unit and the reasons for replacing this equipment.

A. Line tools and equipment include various tools and equipment used by line staff, electrical maintenance staff, and engineering and field staff. A listing of the major items included in Line Tools and Equipment and their costs are provided below. Some tools and equipment are replaced on an ongoing basis as a result of breakage. Therefore, it is not possible to itemize all individual tools and equipment to be replaced in 2003.

General Description	Detailed Item	Unit Cost	Justification
Fall Arrest Equipment (\$100,000)	Full Body Harness	\$131	These items are required for the safe performance of the job.
	Shock Absorbing Lanyard	\$64	
	Pole Climbing Harness	\$265	
	Pole Choker	\$466	
Ergonomic Equipment (\$54,000)	Hydraulic Cable Cutter	\$1,047	These items will reduce the incidence of repetitive motion injuries.
	BCT500 Electric Crimping Tool	\$3,160	
Other Tools and Equipment (\$131,000)	CT-10 Hydraulic Crimping Tool	\$2,575	These items will replace broken and worn out tools & equipment.
	Y-35 Hydraulic Crimping Tool	\$1,465	
	Hydraulic Impact Wrench	\$1,250	
	6' Insulated Work Platform	\$1,300	
	8' Insulated Work Platform	\$1,425	
	Gas drills	\$1,200	
	Bucket liners	\$1,200	

Tension Stringing Equipment (\$120,000)	Tension stringing equipment consists of two self-contained identical reel trailers and a hydraulic system that is generally powered by a gas or diesel engine.	\$60,000	The existing equipment is over thirty years old and is requiring constant repair. The equipment is used to maintain positive control of conductor during stringing operations. The new equipment will significantly decrease the number of exposures the worker has to energized conductor.
Electrical Maintenance Centre (\$100,000)	Digital Hydrometer	\$5,000	The EMC is the primary storage and repair facility for large electrical equipment (including power transformers, breakers, reclosers, voltage regulators, metering tanks, three phase padmount transformers and step down transformers). The facility requires numerous types of specialized tools and test equipment. Innovations in tools and test equipment as well as normal deterioration require that some of this equipment be replaced every year.
	5 kV Megger	\$6,500	
	Transformer Winding Resistance Meter	\$20,000	
	Oil Test Set	\$10,000	
	Design Tools	\$5,000	
	Computer Test Equipment	\$5,000	
	SF6 Gas Reclaimer	\$15,000	
Telecommunications Test Equipment (\$30,000)	Communications Site Antenna & Cable Analyzer	\$15,000	This project will replace existing Telecommunications Test Equipment with modern equipment designed to monitor current communications protocols at the higher speeds used in today's network. This project is justified on the need to ensure the network infrastructure is available to support the corporate networks used by the SCADA system and the VHF mobile radio system.
	DNP 3.0 PC-Based Protocol Analyzers (3)	\$7,500	
	Industrial Labeling System	\$1,500	
	Fibre Optic Cable Fusion Splicer	\$5,000	

Commissioning Test Equipment (\$15,000)	Portable regulated AC supply	\$6,000	This will simplify the process of equipment testing, improve the ergonomics of carrying the test equipment around and enable the completion of more testing.
	Single phase AC/DC voltage & current source	\$8,000	
	Portable phase angle indicator	\$1,000	Replace outdated equipment