

Storage and Shipping

Under ordinary circumstances, instruments should not be shipped, but carried by box. Should circumstances require that an instrument be shipped, it should be clamped on its spindle and paper packed carefully and snugly into the box around it.

Careful consideration should be given to the location where instruments are stored when not in use, and every possible precaution should be taken to insure that they are not damaged, vandalized or stolen.

If it is sent in for repairs, **only** the instrument should be sent with a detailed report of why repairs are needed.

Sec. 3.03 **Calculators and Computers**

Since programmable calculators and computers have become available, various programs have been developed which will solve most routine surveying calculations. This applies mainly to the alphanumeric programmable type calculators with continuous memory. Available programs can be obtained by contacting the State Survey Program Manager or by contacting the VITA representative.

Sec. 3.04 **Electronic Distance Meter (EDM) Reflector Constants**

The constant for each reflector unit **must** be known before its use. If the refractive index of glass were the same index as air (1.00), there would be no corrective constant. Since the refractive index of glass is about 1.57, the thickness of the prism from the front of the apex to the back can be multiplied by 0.57, to get the reflector constant that is always negative. Actually, it is not necessary to do this because the constant, which varies with the different types of reflectors, is usually noted in the reflector specifications or corrected within the E.D.M. system. In any case, it must be taken into account, because failure to do so can result in serious errors.

Sec. 3.05 **Survey and Miscellaneous Supplies**

Surveying and miscellaneous supplies shall be obtained through the District Office, either from the District supply or by requisition.