

1101 GENERAL INSTRUCTIONS

The intent of this chapter is to present a series of guidelines and staking methods which will assist field personnel in construction surveying.

Additional information should be sought in the ADOT *Engineering Survey Services Manual for Field Surveys*. The Manual will explain how and when different survey methods and instruments should be used. All transits, theodolites, etc., will be referred to as instruments in this Manual since they are thoroughly discussed in the *Engineering Survey Services Manual for Field Surveys*. The Manual also illustrates field book notation and how electronic data files should be handled.

The methods for note preparation and staking procedures outlined in this chapter are presented only as acceptable methods of doing the work. The method selected for each phase of the construction survey must be determined by the Resident Engineer and the Contractor in conjunction with the Surveyor as each project may vary considerably in requirements.

Construction survey work should start before construction operations begin in order to avoid delay in the Contractor's operations. It is very important that the Resident Engineer and his or her(s) staff acquaint themselves with the Contractor's staking plan and give the Contractor formal approval before any staking begins. The Contractor's staking plan should be referenced throughout the project to assure that the Contractor is following this plan.