

CDOT Survey Manual

Chapter 3

Addendum

March 5, 2012

Surveying and mapping work, upon which planning, studies and engineering designs are based, shall use the established CDOT project datum. Unless otherwise determined and approved by CDOT Region Survey Coordinator, the horizontal datum shall be the most recent realization of the North American Datum of 1983 (NAD83) as defined by the National Geodetic Survey (NGS). The horizontal control may utilize accepted CDOT and NGS ground based monuments (such as former HARN) and CORS (Continuously Operating Reference Stations).

Established Static Procedures (two 20 minute observation times and fast static procedures) as written in Chapter 3 of CDOT's Survey Manual should be followed for base lines up to 60 kms.

For base lines greater than 60 kms the following should be followed unless otherwise determined and approved by the CDOT Region Coordinator:

Base line Distance	Number of Satellites	Observation Time (minutes)
Greater than 60 km (37.2 miles)	4	180
	5	135
	6 or more	95