

Office of Bridge Design

Technical Memorandum

Date: February 13, 2004

To: All Bridge Engineering Staff

From: Kevin Goeden
Bridge Design Engineer

Subject: Technical Memorandum BTM04.1
Survey Vertical Control Datum for Structure Plans

The survey datum for which the project vertical control was based upon shall be clearly shown on the "General Drawing" sheet of the plans for each structure involved. This datum reference shall be shown in the upper left corner of the sheet inside its own rectangular border (box).

Additionally for bridge structures, this reference shall be called out as the datum for all the elevations to be tabulated on the "As-Built Elevation Survey" sheet for each bridge.

The Department policy is to reference all project elevations to Mean Sea Level through the use of the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

Therefore, the General Drawing reference shall be shown as follows:

The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

And the As-Built Elevation Survey sheet shall include the following reference note:

"The elevations to be recorded in these tables shall be based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88)."

Reviewed by: _____

Approved by: John C. Cole, 2-19-2004, Chief Bridge Engineer

cc: File