A drawing is to be used to retrofit ODOT BTA Type 1 which has been upgraded to NCHRP Report 553 criteria, but does not have the required concrete curb. The fabricated curb assembly shown here is attached to the BTA post and concrete barrier of the ground line.

This sheet is only valid with BTA's constructed in compliance with SCD GR-3.3 dated either 4/18/03 or 4/18/04 or 04/16/10. These drawings depict a crashworthy BTA consisting of a 10 gauge concrete curb installed underneath the Parapet beam rail section and a single 45° gauge Thrie beam - berm fill section. The rail section is 63" long and is installed between posts 1 and 2. The gap is marked on the back of the panel. The assembly shown on this sheet is a substitute only for the missing concrete curb.

This sheet is not valid for new BTA construction, or for those BTA's converted to earlier drawings, in which the Parapet beam panel is not installed.

INTENDED USE: This drawing is to be used to retrofit ODOT BTA Type 1, which has been upgraded to NCHRP Report 553 criteria, but does not have the required concrete curb. The fabricated curb assembly shown here is attached to the BTA post and concrete barrier of the ground line.

FIELD INSTALLATION: Install to the existing BTA according to the the FIELD INSTALLATION Note. All four attachment points (barrier, posts #1, #2 & #3) are required. The only exception is Post #1 does not have to be attached to the barrier flared end of the Curb Assembly. All fasteners will be standard galvanized guardrail components such as post bolts, hex nuts, washers and oversized plate washers. Anchor to the barrier by either thru-bolting or attaching the plate nearest to the center of the wood post, but in no case closer than 1" to any post side face.

When installing the Curb Assembly, the concrete barrier is to be flush with ground line, the concrete curb is to be flush with ground line, and the Steel Tube Taper Plate is to be flush with concrete barrier. The fabricated Curb Assembly shown here is attached to the BTA post and concrete barrier of the ground line.

Anchoring of the use of two 3/4" dia. concrete anchors as per SCD GR-3.5 is an alternate method. See FIELD INSTALLATION Note.

NOTE: Payment will be Item 606 - Bridge Terminal Assembly, Type 1, Steel Curb Retrofit, and will include all parts. Fabrication, removal of curb stub and present all fasteners and complete installation to existing BTA.

See FIELD INSTALLATION Note for appropriate method.