

DETAIL OF SAFETY BARS

GENERAL NOTES:

Details on this sheet indicate the typical requirements for Metal Safety Slope Aprons. Refer to appropriate other Standard Road Plans as well as project plans for additional details of individual culverts installations. Alternate design details may be submitted to the Engineer for approval.

Materials and methods of construction shall be in accordance with current Standard and Supplemental Specifications.

Furnishing and installing the metal safety slope aprons shall conform to the requirements of current specifications for " Corrugated Culverts. "

Apron may be attached to culvert pipe as follows:

- A. If normal culvert is of circumferential corrugation type:
 - 1. Use an approved bolt or clamp to fasten apron directly to culvert.
- B. If normal culvert is of helical corrugation type:
 - 1. Use an approved sizing ring securely fastened to inside diameter of apron to connect to the culvert pipe using special dimple band connector.
 - 2. "Dimple" bands are not allowed when a positive joint is specified.

See Materials I.M. 441 for Approved Coupling Devices and specific requirements.

Any damage to galvanizing coat resulting from installation of culvert shall be repaired as directed by the Engineer.

Price bid for "Safety Slope Aprons" of the size specified shall be considered full compensation for fabrication and installation of metal aprons as indicated hereon.



METAL SAFETY SLOPE APRON 6:1 SLOPE

L Chron 06-07-00

APPROVED /B

project plans.

06-07-00

10-03-00