**GENERAL NOTES**


This barrier has been evaluated and approved to be of equal strength to barriers with like geometry, which were successfully crash tested to meet MASH requirements for Test Level 5.

**Design Loads**

Dynamic Load (For barrier Design) = 160°

Dynamic load is based on NCHRP 20-07.3965.

MASH Equivalency of NCHRP Report 350 - Approved Bridge Railings.

Equivalent Static Load (For footing design) = 28°

Footing design is based on NCHRP Report 663.

All Concrete shall be Class G-5 1'c = 4000 psi.

Reinforcing steel shall conform to ASTM Specification A615. All reinforcing shall be furnished as Grade 60. All reinforcing shall be epoxy coated at locations above an elevation of 4000 feet.

All bars and hooks shall meet the requirements of AASHTO LRFD Article 5.10. All bend dimensions for reinforcing shall be cut-out-from-of bars. All placement and bending of reinforcing shall be to the size of bars unless noted otherwise.

All reinforcing steel shall have 2 inch clear cover unless noted otherwise.

Concrete barriers on continuous superstructures shall have ½" bituminous joint filler in open joints over piers.

Bridge Number and Year Built, using ½" x ½" x 3" number impressions in concrete, located as shown at the approach end of the outside lane.

Anchor bars are included in the pay item for the barrier (item No. 601115).

*Oilt bridge barrier transition when concrete barrier is continuous beyond the bridge.

Dimensions shall not be scaled from drawings.

**AC Overlay Notes**

No AC overlay will be allowed on the bridge deck when the 42" single slope concrete barrier is used.