MATERIAL SPECIFICATIONS: The minimum design strength of the concrete is 4,000 psi, and meets the requirements of OMS 428. For reinforcing steel, use ASTM A615 Grade 60 black steel and provide 2" min. rerail cover. Material specifications for the hinge and reinforcing bars, as well as the connecting hardware, may be found on OMS 428. For additional material specifications not shown here, see OMS 428B and OMS 622.

HANDLING: The fabricator is responsible for the design of a lifting system for handling segments. A minimum of three lifting points is recommended, but more may be required. The minimum lifting point load shall be applied internally by a Registered Engineer and include these calculations with the Manufacturing Drawings required by Supplement 1073.12. Refer to Part 5 of the PCI Handbook. Approximate segment weight is 6,500 lbs (3000 kg).

PAYMENT: Payment will be made under Item 622 - Portable Barrier, "Y" Connector, and will include all forms, materials, and labor to cast this segment.

ALTERNATE METHOD: Contractors may choose to use a wide impact attenuator in lieu of the concrete "Y" alternate. The chosen unit will be a Type 2 or 3 Impact Attenuator matching the product previously called for on the project plans at the expected installation location. Such a precast unit shall be a Type 2 or 3 Impact Attenuator matching the product previously called for on the project plans at the expected installation location.