**Integral and Semi-Integral Abutment Backwall**

**Notes:**

1. Integral and Semi-Integral Abutment Bridges shall be considered for Steel Bridges less than 100' and Concrete Bridges less than 400' in length.
2. Approach slab thickness will match the road approach thickness (9" Min.)
3. Continue bottom mat of reinforcement through construction joint. Add extra reinforcement over beam (EA060400 bars).
4. Use for Integral Abutment Bridges only.
5. The joint is not optional, but required if Case 1 (See Bridge Manual 7.03.01) requires not backfilling above the bridge seat.
6. Semi-Integral Abutments should be used at stream crossings.

**Plan Notes:**

- Where Optional Construction Joints are used, there will be no payment for the required joint waterproofing.
- If a construction joint is not used, the contractor is to provide a sawed joint (1/3 deck slab thickness) 2" deep by 1/3 wide (Minimum) in the top of slab at transverse construction joints over the backwall. If a construction joint is not used, the joint is to be sawed within 24 hours of placing the curing and is to be filled to 1/3" below top of concrete with polyurethane or polyurethane hybrid joint sealant. (Included in the bid item "Superstructure Conc. Form, Finish, and Cure, Night Casting (Structure No.).")
- Notes:
  - Integral and Semi-Integral Abutment Bridges shall be considered for Steel Bridges less than 100' and Concrete Bridges less than 400' in length.
  - Approach slab thickness will match the road approach thickness (9" Min.)
  - Continue bottom mat of reinforcement through construction joint. Add extra reinforcement over beam (EA060400 bars).
  - Use for Integral Abutment Bridges only.
  - The joint is not optional, but required if Case 1 (See Bridge Manual 7.03.01) requires not backfilling above the bridge seat.
  - Semi-Integral Abutments should be used at stream crossings.
  - D = Backwall thickness. See Guide 6.20.01 for definition.