1. Refer to current edition of guidelines for crash cushions and barriers end treatments for approved system and for specific application details.
2. All applications require the use of a 10:1 slope or flatter to the front and side approaches. Use a 10:1 or flatter slope at the rear of the system when traffic also approaches from the rear of the system.
3. Project barrier ends with a W-beam guardrail transition and type G or type H in beam end treatment or type F end treatment as first option. Project concrete barrier end using a crash cushion type A, B, or D when the installation requirements of a W-beam guardrail transition and W-beam end treatment or type F end treatment cannot be met.
4. Complete slope preparations prior to installing system. Meet requirements as detailed in applicable standard drawing.
5. Use manufacturer’s specifications for pad and backup requirements. A concrete pad is required for permanent installation of type A, B & D crash cushions.
6. Match roadway grade profile.
7. Refer to current edition of guidelines for crash cushions and barriers end treatments for approved system and for specific application details.
8. Install proper markings according to applicable standard drawings.
9. Install constant slope transition section before installing no crash cushion or end treatment when constant slope type barrier is installed. Refer to CC 04 A.
10. Maintain AASHTO clear zone requirements.

**NOTES:**

- Varies by design.
- See Note 3.
- See Note 4.