

ERECTION, HOISTING AND DEMOLITION REQUIREMENTS

The following items are to be included in the design and construction procedures for all erection, hoisting, and demolition on, over, or adjacent to railroad tracks.

1. A plan showing the locations of cranes, horizontally and vertically, operating radii, with delivery or disposal locations shown. The location of all tracks and other railroad facilities shall also be shown.
2. Crane rating sheets showing cranes to be adequate for 150% of the actual weight of the pick. A complete set of crane charts, including crane, counterweight, and boom nomenclature is to be submitted.
3. Plans and computations showing weight of picks must be submitted. The weight shall include the weight of material and rigging that will be included in each pick. Calculations shall be made from plans of the existing and/or proposed structure showing complete and sufficient details with supporting data for the demolition or erection of the structure.
4. If the sponsor can prove to the Railroad that plans do not exist and weights must be calculated from field measurements, the field measurements are to be made under the supervision of the Licensed Professional Engineer submitting the procedure and he shall include sketches and estimated weight calculations with his procedure. If possible, field measurements shall be taken with a Railroad representative present. Weights shall include the weight of concrete, or other material, that will be included in the lifts.
5. If the procedure involves either the cutting of steel or the bolting of joints which would affect Railroad operations, a detailed staging plan with estimated durations will be required.
6. A location plan showing all obstructions such as wires, poles, adjacent structures, etc., must be provided to show that the proposed lifts are clear of these obstructions.
7. A data sheet shall be prepared listing the type, size, and arrangements of slings, shackles, or other connecting equipment. Include copies of catalog or information sheets for specialized equipment.
8. A complete procedure is to be included, indicating the order of lifts and any repositioning or re-hitching of the crane or cranes.
9. Demolition shield submittals must include a plan showing the details of the shield, a written installation and removal procedure and design calculations verifying the capacity of the shield. The shield should be designed for a minimum load of fifty (50) psf. plus the weight of the equipment, debris and any other load to be carried.
10. Temporary support of any components (overhead or under grade) or intermediate stages is to be shown and detailed. A guardrail (railroad) will be required to be installed in a track where a temporary bent is located within twelve (12) feet from the centerline of that track.

11. A time schedule of the various stages must be shown as well as a schedule for the entire lifting procedure.
12. All bridge erection or demolition procedures submitted will be prepared, signed and sealed by a Licensed Professional Engineer.
13. Three (3) copies of the lifting procedures are to be sent to the Railroad's Engineer. The sponsor is to expect a minimum thirty (30) day review period from the day the submission is received by the Engineer.
14. The Railroad's representative must be present at the site during the entire demolition and erection procedure period. The sponsor must notify the Railroad representative at least seventy-two (72) hours in advance of the work. No changes will be accepted after that time.
15. The name and experience of the employee supervising the operation must be supplied to the Railroad.