

CRITERIA FOR TEMPORARY SHEETING AND BULKHEADS TO PROTECT RAILWAY TRACK DURING ADJACENT STRUCTURE CONSTRUCTION

1. THE LIVE LOAD SURCHARGE FROM TRACK ADJACENT TO SHEETING AND BULKHEADS SHALL BE TAKEN INTO ACCOUNT IN THE SHEETING AND BULKHEAD DESIGN.
2. ALLOWABLE STRESSES CONTAINED IN THE AMERICAN RAILWAY ENGINEERING ASSOCIATION SPECIFICATIONS* (CHAPTERS 7, 8, AND 15) SHALL BE USED.
3. A CONSTRUCTION PROCEDURE FOR TEMPORARY SHEETING OR BULKHEAD CONSTRUCTION SHALL BE INCLUDED ON THE DRAWING.
4. SAFETY RAILINGS SHALL BE INSTALLED WHEN TEMPORARY SHEETING OR BULKHEADS ARE WITHIN 15 FT. OF TRACK.
5. A SAFETY FACTOR OF 2 SHALL BE USED IN THE TEMPORARY SHEETING OR BULKHEAD.

*AVAILABLE FROM AMERICAN RAILWAY ENGINEERING ASSOCIATION, 59 EAST VAN BUREN STREET, CHICAGO, ILLINOIS, 60605.

DRAWINGS AND CALCULATIONS NEEDED FOR APPROVAL

1. 3 COPIES OF DETAILED DRAWINGS SHOWING THE FOLLOWING:
 - A. TIMBER, STEEL, BOLT AND WELD SIZES AND DETAILS.
 - B. DIMENSIONS SHOWING DISTANCES FROM CENTERLINE TRACK TO TEMPORARY SHEETING OR BULKHEADS AND BETWEEN SUPPORTING ELEMENTS.
 - C. SECTION SHOWING TEMPORARY SHEETING OR BULKHEAD HEIGHTS AND TRACK ELEVATION.
2. CALCULATIONS COVERING TEMPORARY SHEETING OR BULKHEAD DESIGN.

LIVE LOAD

(A) THE RECOMMENDED LIVE LOAD FOR EACH TRACK IS THE COOPER E 80 LOAD, SHOWN IN FIG. 2

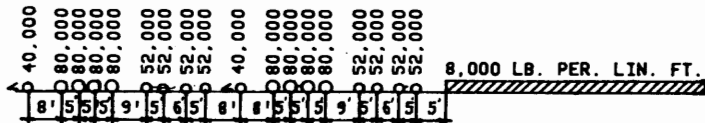
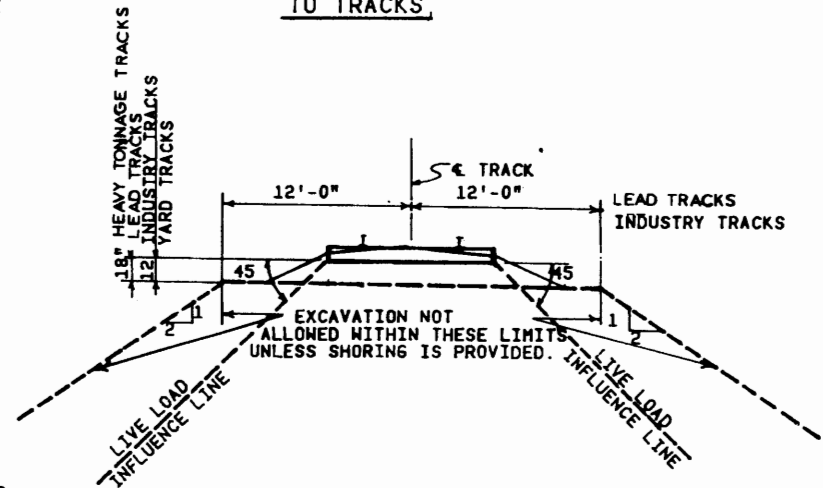


FIG. 2.

MINIMUM ROADBED SECTION FOR CONSTRUCTION ADJACENT TO TRACKS



NOTE

CONTRACTOR TO PROVIDE HANDRAIL PROTECTION FOR EXCAVATION ADJACENT TO TRACK.

TEMPORARY SHEETING OR BULKHEADS

FIG. 8