



ROADBED PROFILE - SHORING REQUIREMENTS

- ZONE 1 Excavation within zone 1 will require shoring for the protection of the Railroad
- ZONE 2 Excavation within zone 2 will require shoring consist of interlocking sheeting for the protection of the Railroad
- ZONE 3 NO EXCAVATIONS WILL BE ALLOWED IN ZONE 3

NOTE: Excavations outside of zone 1 may require shoring for safety. Lateral pressures due to train loadings do not affect shoring design outside of zone 1

NORFOLK SOUTHERN CORP STANDARD OVERHEAD BRIDGE DETAILS SHORING REQUIREMENTS

OFFICE OF CHIEF ENGINEER BRIDGES & STRUCTURES

FEBRUARY, 1998

SHEET 4