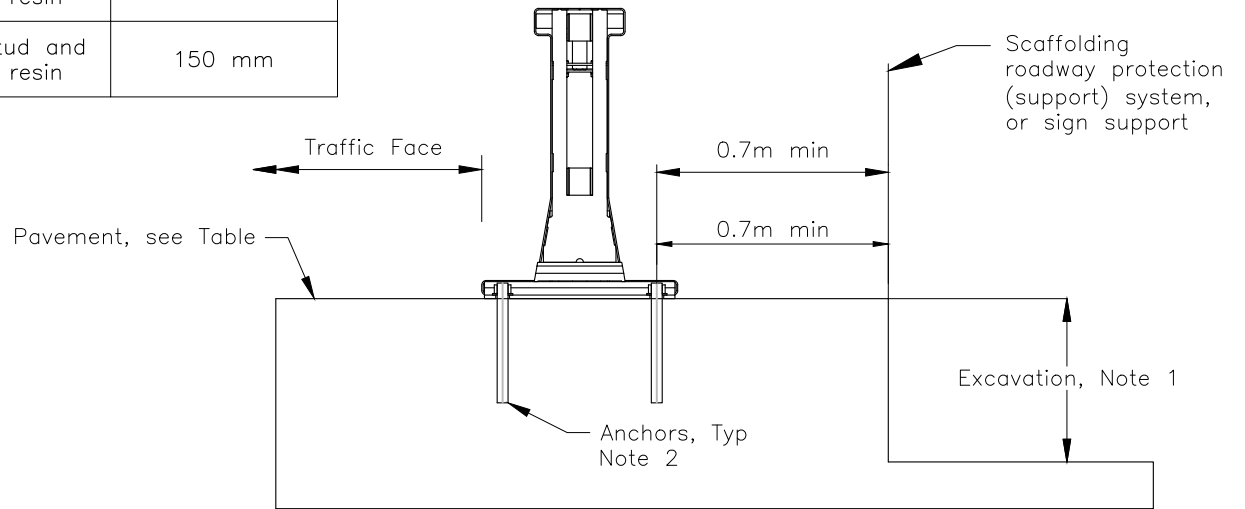


| Surface | Surface Thickness Requirements | Anchors | Minimum Embedment |
|--|--------------------------------|--------------------------------|-------------------|
| Asphalt | 150 mm min | Anchor Stud and chemical resin | 400 mm |
| Asphalt over compacted granular | 50 mm min | Anchor Stud and chemical resin | 400 mm |
| Asphalt over compacted granular | 150 mm min | Road Loc M24 300mm | 300 mm |
| Asphalt over reinforced concrete subbase | 50 mm min over 150 mm min | Anchor Stud and chemical resin | 400 mm |
| Reinforced concrete | 200 mm min | Anchor Stud and chemical resin | 150 mm |
| Nonreinforced concrete | 250 mm min | Anchor Stud and chemical resin | 150 mm |

NOTES:

1. When the level area between the back of the barrier and the upper edge of an excavation is less than one metre, use of this standard requires the Owner to have a signed and sealed memorandum from an Engineer for each installation used during construction according to Ontario Regulation 213/91.
2. This installation method shall not be used on bridge superstructures that contain post tensioned tendons within the concrete deck or bridge superstructures with longitudinally prestressed, transversally post tensioned, solid or voided concrete slab units.
3. Anchors shall be according to the manufacturer's specifications and installed to a minimum embedment in Table.
 - A. Anchors shall be according to the manufacturer's specifications and installed to a minimum embedment in Table.
 - B. MTOD shall be read in conjunction with MTOD 911.572.
 - C. System configuration meets MTO deflection categories I, II, and III.
 - D. All dimensions are in millimetres unless otherwise shown.



END VIEW

| | | | |
|--|----------------|-----------------------|---|
| MINISTRY OF TRANSPORTATION ONTARIO DRAWING | September 2022 | Rev | 1 |
| GUIDE RAIL SYSTEM, STEEL BARRIER HIGHWAY GUARD, LOWEST DEFLECTION SYSTEM, INSTALLATION | | ----- | |
| | | ----- | |
| | | MTOD - 911.573 | |