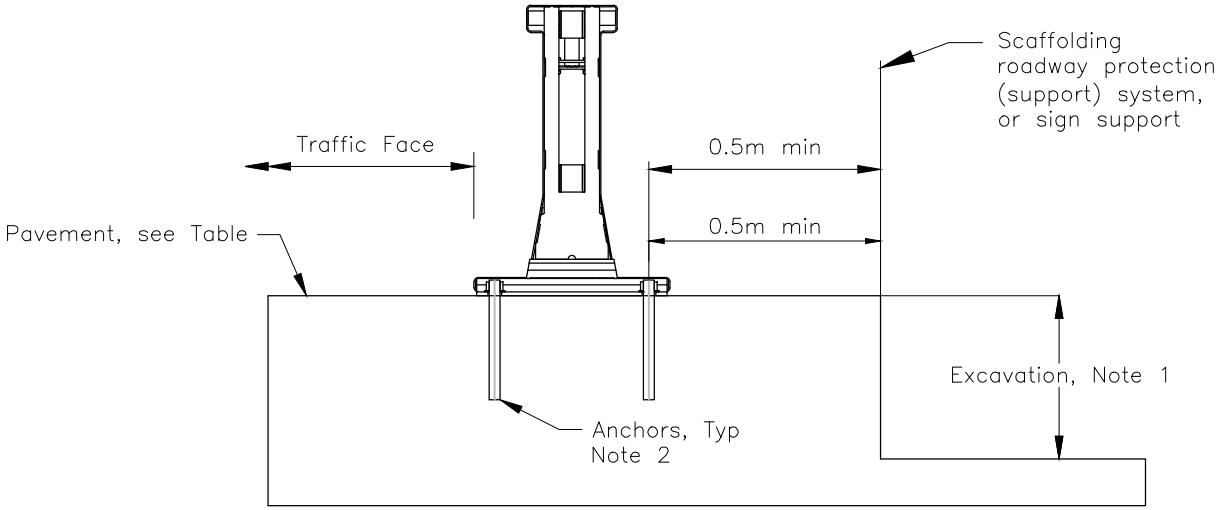
Surface	Surface Thickness Requirements	Anchors	Minimum Embedment
Asphalt	150 mm min	Anchor Stud and chemical resin	400 mm
Asphalt over compacted granular	50 mm min	Anchor Stud and chemical resin	400 mm
Asphalt over reinforced concrete subbase	50 mm min over 150 mm min	Anchor Stud and chemical resin	400 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



END VIEW

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 911.574.
C. System configuration meets MTO deflection categories I, II, III, and IV.
D. All dimensions are in millimetres unless otherwise shown.

MINISTRY OF TRANSPORTATION ONTARIO DRAWING	May 2022	Rev	0
GUIDE RAIL SYSTEM, STEEL BARRIER HIGHWAY GUARD, MINIMUM DEFLECTION SYSTEM, INSTALLATION			
	MTOD – 911.575		