

From: [Debra M. Butchart](#)
To: [BR](#)
Subject: Bridge Advertisement (DSI 25-009) Galvanizing Depth for Friction Piles
Date: Wednesday, May 28, 2025 2:28:20 PM
Attachments: [image001.png](#)

The EPG has been updated as described below:

Implementation Statement: Effective immediately for all plans not yet submitted to Design.

(The Implementation Statement is a recommendation by the Development Section. The SPM is responsible for the level of implementation for any particular job.)

Revision Date	Items Revised	Description of Change
May 2025	EPG: 751.1.2.20.docx	EPG 751.1.2.20 is updated to clarify guidance for galvanizing full length of friction pile. When glacial material or other hard material is identified in the geotechnical report discuss with SPM and consider galvanizing full length of pile to avoid the scenario where friction pile may potentially be cut-off once the geotechnical capacity is reached but the depth for galvanization is inadequate.
	Bridge Standard Drawings: NA	
	MicroStation Cells: NA	
	Std. Specifications: NA	
	Standard Plans: NA	
	Bridge Special Provisions: NA	

Follow links above for more information (internal only).

751.1.2.20 Substructure Type

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All Bridge and Retaining Wall Piles (For Example, abutment piles, wing wall piles, intermediate pile cap bent piles and pile cap footing piles)

All surfaces of piles shall be galvanized to a minimum galvanized penetration (elevation) or its full length based on the following guidance. The minimum galvanized penetration (elevation) shall be estimated in preliminary design and finalized in final design. The minimum galvanized penetration (elevation) or full length will be shown on the design layout.

Guidance for determining minimum galvanized penetration (elevation):

The designer shall establish the limits of galvanized structural steel pile (i.e., HP pile and CIP pile). All exposed pile plus any required length below ground shall be galvanized. Based on required galvanized pile length determine and show Minimum Galvanized Penetration (Elevation) or Full Length on the Design Layout and on the plans.

For When glacial material or other hard material is identified in the geotechnical report discuss with SPM and consider galvanizing full length of pile otherwise to avoid the scenario where friction pile that may potentially be cut-off once the geotechnical capacity is reached and but the may be short of estimated pile length and the depth for galvanization is inadequate.

	Required Pile Galvanizing For Nonscour	Required Pile Galvanizing For Channel Scour	Required Pile Galvanizing For Channel Migration
Estimated Pile Length ≤ 50 feet	Full Length of Pile	Full Length of Pile	Full Length of Pile

Debra (Debbie) Butchart

(formerly Debra Beckwith)

Structural Specialist

Development Section

Bridge Division

MoDOT- 105 West Capitol Ave

573-522-8718