



Connecticut DOT

ECD-2018-2

Number:

Bureau of Engineering and Construction

Date: Sept. 25, 2018

## ENGINEERING & CONSTRUCTION DIRECTIVE

---

Chief Engineer

### **Penetrating Sealer Protective Compound**

This bulletin establishes a new bridge design standard practice. The item Penetrating Sealer Protective Compound (Item 0819002) shall be specified for all concrete bridge surfaces subjected to salt spray, except for low permeability concrete. An owned special provision is available on the Department's [Owned Special Provision web page](#).

The sealer shall be applied to the inside face and tops of parapets, preferably before the wearing surface is applied. Other bridge surfaces to be considered for sealing are the outside face of parapets, retaining walls and substructures when those surfaces are determined to be in a salt spray zone or are subject to leakage from deck joints.

Sealer will be applied following cleaning of existing concrete, concrete repairs or placement of new concrete. Concrete work will be paid separately. Special cleaning requirements such as removal of vines and bird guano shall be addressed by other contract items.

Engineering units are directed to include this item in all applicable projects, effective immediately, including those currently being advertised. This treatment should also be added, where feasible, to active construction contracts.