



**SPECIAL PROVISIONS  
FOR  
DECK AERO MITIGATION**

**Scott County  
IM-NHS-074-1(198)5--03-82**

**Effective Date  
April 25, 2017**

**THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.**

**150205a.01 DESCRIPTION.**

This work includes the fabrication and installation of the winglets and floorbeam connections at the locations indicated on the plans.

**150205a.02 MATERIAL.**

Provide materials conforming to Section 2408 of the Standard Specifications, except as modified herein.

**A. Structural Steel.**

Provide steel conforming to ASTM A 36, except sheet steel shall conform to ASTM A 1008, SS, Gr. 30.

**B. Bird Screen.**

Galvanized wire mesh conforming to ASTM A 740 with opening size and wire size as indicated on the plans.

**C. Shop Drawing Requirements.**

Provide shop drawings, product literature, and catalog cuts for this work in accordance with Article 2408.03 of the Standard Specifications.

**150205a.03 CONSTRUCTION.**

**A.** Fabricate winglet with a profile matching the equation provided in the plans.

**B.** After fabrication, hot-dip galvanize the winglets in accordance with ASTM A 123. Drain holes of up to a diameter of 3/4 inch may be added with engineer's approval, as needed for the galvanizing process.

**C.** After galvanizing of the winglets is successfully completed, the exterior surfaces of the winglets shall be painted with the full three coat fluoropolymer paint system as described in Special

Provisions for Fluoropolymer Paint for Structural Steel, with the following exception: No prime coat will be applied, but two intermediate coats, and one top coat of the paint system described in the special provision will be applied.

In order to use the painting system on the galvanized surface, the following requirements must also be followed: No surface treatments after galvanizing, such as water quenching or chromate conversion coatings, shall be utilized. Surfaces to be painted shall be prepared in accordance with ASTM D6386, with the exception that only brush-off blast cleaning shall be allowed as a surface preparation. Brush-off blast cleaning shall be in accordance with SSPC-SP 16.

**150205a.04 METHOD OF MEASUREMENT.**

Lump sum. No method of measurement.

**150205a.05 BASIS OF PAYMENT.**

Payment for Deck Aero Mitigation is full compensation for furnishing, fabricating, and installing the winglets and floorbeam connections, as described herein.