

SP-097009  
(New)



# Iowa Department of Transportation

## SPECIAL PROVISIONS FOR ALUMINUM EDGING

Harrison County  
Project No. SB-IA-CO43(062) - - 2T-43

Effective Date  
April 20th, 2010

THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

## **ALUMINUM EDGING**

### **PART 1 GENERAL**

#### **1.1 SUMMARY**

- A. Section Includes: Aluminum Edging.

#### **1.2 MEASUREMENT AND PAYMENT**

- A. Basis of Measurement: The Engineer will measure the length of the installed edging. Unit of measure will be LINEAR FEET (LF).
- B. Basis of Payment: Payment for ALUMINUM EDGING includes all labor, materials, equipment, and supervision required to furnish and install.
- C. Unit Price: Unit Price for ALUMINUM EDGING will include, but may not be limited to, subgrade preparation, material and installation of aluminum edging, and other materials and labor required to furnish and install complete and acceptable aluminum edging.

#### **1.3 SUBMITTALS**

- A. Submit product data and manufacturer's instructions for:
  - 1. Aluminum Edging.
- B. Samples:
  - 1. 3 inch section of specified size and finish.

#### **1.4 DELIVERY, STORAGE, AND HANDLING**

- A. Coordinate delivery directly with manufacturer or authorized distributor of Sure-loc edging. Material should be ordered and accepted in original shipping cartons of standard size. Please note quantities per box on inside of brochure. Material should be stored in a flat area with boxes protected from rain

### **PART 2 PRODUCTS**

#### **2.1 ALUMINUM EDGING**

- A. Manufacturers:
  - 1. Sure-loc Corporation of Holland, MI.
  - 2. Permaloc of Holland MI.
  - 3. PRO Aluminum Landscape Edging of Troy MI.

#### **2.2 MATERIAL**

- A. Edging to be manufactured from 6063 extruded aluminum alloy of T-6 hardness with interlocking system and 5 stake punch outs fabricated in each 16 foot strip.

### **2.3 LOCKING SYSTEM**

- A. Sections to lock together without offset or double thickness at the joints and secured with two 12 inch stakes at every joint.

### **2.4 THICKNESS (SIZE)**

- A. 3/16 inch Thickness.

### **2.5 DEPTH**

- A. 5.5 inch depth

### **2.6 FINISH**

- A. Mill finish constitutes a natural aluminum finish as found on extruded parts. Black anodized is available in all sizes. Finish is not a paint but rather a die that is electrically absorbed into the outer layers of the metal.

### **2.7 STAKES**

- A. Stakes to be a minimum of 12 inch long, secured ½ inch below top of edging, and locked into place. Stakes to be placed on inside of bed areas.

## **PART 3 EXECUTION**

### **3.1 SITE INSPECTION**

- A. Check to ensure that all underground lines, irrigation hoses, and other cables are installed below the maximum depth of edging to be used.

### **3.2 TRENCH**

- A. Edge where noted on layout plans. Using a spade or mechanical trencher, cut a trench along area to be defined to depth so top of edging is level with granular surface and ½ inch higher than granular surface where granular surface and native seeding meet..

### **3.3 INSTALLATION**

- A. Install edging with radius edge and ridges pointing up.

### **3.4 STAKING/CONNECTING**

- A. 5 stakes per 16 inch section are included with material. Stakes are to lock ½ inch below top of edging and to be placed in every available pocket.

### **3.5 END STAKE ADAPTERS**

- A. Use supplied end stake adapters at all start/stop points as well as to splice pieces of cut edging together.

**3.6 BACK FILLING**

- A. Back fill on both sides of edging during installation, leaving no more than two sections unsupported at one time. Compact backfill along edging ensuring that top edge is level with granular surface and ½ inch above granular surface where granular surface and native seeding meet.

**END OF SECTION**