



Iowa Department of Transportation

SPECIAL PROVISIONS FOR STEEL EDGING

Clinton County
NHSX-030-9(134)--3H-23

Effective Date
January 18, 2012

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

PART 1 GENERAL.

1.01 SUMMARY.

A. SECTION INCLUDES:

1. This part of the Specifications includes all labor, materials, equipment, and supervision required to furnish and install STEEL EDGING.

1.02 MEASUREMENT AND PAYMENT.

- A. Basis of Measurement: STEEL EDGING shall be measured on a LINEAR FOOT (LF) basis.
- B. Basis of Payment: Payment for STEEL EDGING includes all labor, materials, equipment, and supervision required to furnish and install steel edging.
- C. Unit Price for STEEL EDGING shall include galvanized steel edging and stakes.

1.03 SUBMITTALS.

- A. Contractor shall provide product cut sheet detailing fabrication and installation of steel edging.

1.04 SITE DISTURBANCES.

- A. Take precautions to ensure equipment and vehicles do not disturb or damage existing site grading, walks, drives, utilities, plants, etc.
- B. Repair and/or return to original condition any damage caused by Contractor's negligence at no cost to Contracting Authority.

- C. Provide temporary barricades and warning lights as required for protection of project work and public safety.

1.05 DELIVERY, STORAGE & HANDLING.

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged packaging with identification labels intact.
 - 1. Coordinate delivery and installation of steel edging to minimize interference with normal use of adjacent area.
 - 2. Unload steel edging at job site in such a manner that no damage occurs to the product.
- B. Storage and Protection: Store materials protected such that they are kept free from mud, dirt, and other foreign materials.

1.06 QUALITY ASSURANCE.

- A. Qualifications
 - 1. Every manufacturer and installer shall demonstrate that they have supplied and/or installed steel edging for a project of similar nature and scale. Manufacturer shall have minimum of 5 years experience in supplying steel edging.

1.07 ENVIROMENTAL REQUIREMENTS.

- A. Do not install steel edging footing in frozen or muddy soils.

PART 2 PRODUCTS.

2.01 Steel Edging.

- A. Acceptable steel edging suppliers, model, and finish are as follows:
 - 1. J.D. Russell Company
DuraEdge steel landscape edging
1/8 inch steel landscape edging, galvanized finish
Stakes shall be minimum 12 inches galvanized steel, 5 per 10 foot section.
 - 2. Sure-Loc Corporation
Sure-Lock steel landscape edging
1/8 inch steel landscape edging, galvanized finish
Stakes shall be minimum 12 inches galvanized steel, 5 per 10 foot section.
 - 3. Border Concepts
BorderLine steel landscape edging
1/8 inch steel landscape edging, galvanized finish
Stakes shall be minimum 12 inches galvanized steel, 5 per 10 foot section.

PART 3 EXECUTION.

3.01 INSTALLATION.

- A. Trench.
 - 1. Install steel edging as noted in Contract Documents. Define the area to be edged using string, garden hose, or paint. Using a spade or mechanical trencher, cut a

trench along area to be defined to depth so that top of edging will not exceed 1/2 inch above finish grade.

- B.** Installation.
 - 1.** Install edging with stake pockets on inside of bed. Top of edging not to exceed 1/2 inch above finish grade as shown in Contract Document details.
- C.** Staking.
 - 1.** A minimum of five stakes per section are to be used with each section of edging.
- D.** Back Filling.
 - 1.** Back fill on both sides of edging during installation leaving no more than two sections unsupported at one time. Compact back fill along edging ensuring that top edge is no more than 1/2 inch above finish grade.

3.02 FIELD QUALITY CONTROL.

- A.** Check final surface elevations for conformance to drawings.

3.03 CLEANING.

- A.** Clean steel edging in accordance with the manufacturer's written recommendations.
- B.** Remove all excess materials and debris from site.

3.04 PROTECTION.

- A.** After work in this section is complete, the General Contractor shall be responsible for protecting work from damage due to subsequent construction activity on the site.