

# ALABAMA DEPARTMENT OF TRANSPORTATION

DATE: August 21, 2018

Special Provision No. 18-0404

EFFECTIVE DATE: February 1, 2019

SUBJECT: Guardrail Reset.

Alabama Standard Specifications, 2018 Edition, SECTION 631 shall be revised as follows:

## SECTION 631 GUARDRAIL OR BARRIER RAIL RELOCATED

### 631.01 Description.

This Section shall cover the work of relocating guardrail or barrier rail and end anchor systems to the established lines and grades at the locations shown by the plans or directed, in conformity with the plans and these Specifications. The relocation shall include the removal, reconditioning, and reinstallation of the rail, posts, hardware, and anchor systems.

This Section shall also cover the adjustment (reset) of existing guardrail.

### 631.02 Materials.

#### (a) Salvaged Material.

All portions of the rail elements, posts, and other hardware designated to be reset or relocated shall be cleaned and inspected. Damaged portions shall be discarded or repaired as directed.

Damage to galvanization on metal (steel) portions shall be repaired with approved galvanizing repair paint.

Posts and rail elements shall be cut or drilled to conform to the requirements of the current plan requirements for the type rail being used.

Timber posts shall be coated with one liberal coat of the type preservative used in the original treatment, unless the use of another type preservative is authorized by the Engineer. Galvanized steel posts which cannot be repaired satisfactorily with galvanized repair paint shall be painted with an approved aluminum paint.

#### (b) New Materials.

New materials shall meet the requirements specified in Section 864, Guardrail and Barrier Rail Material. Paint shall meet the requirements of Section 855, Coatings, Paints, Enamels, and Varnishes for Metal or Wood Structures.

### 631.03 Construction Requirements.

#### (a) General.

The Contractor shall promptly replace, without extra compensation, any materials lost, damaged, or injured on account of carelessness, negligence, or failure to conduct the work properly. Any such replacements shall be with materials conforming to the original material requirements.

Should any of the rail, posts, or end anchors included in the relocation or reset items be deemed, by the Engineer, unsuitable for reuse through no fault or negligence of the Contractor, the Engineer may either furnish materials acceptable for use or may require the Contractor to furnish new materials. Payment for such new rail, posts, or end anchors, but not hardware, will be made as for unused materials outlined in Subarticle 109.06(b).

Attention is directed to the fact that this type work will be performed under traffic requiring special care to expedite the work and prevent undue hazardous conditions to occur during the operation. Attention is directed to the requirements of Subarticle 630.03(d).

**(b) Post Replacement.**

Post replacements shall be made with salvaged posts from other sources until exhausted. All new replacement posts shall, if practicable, be placed together in selected sections of guardrail constructed in accordance with current standard plans, and shall, to the extent practicable, be of the same type and size as the salvaged posts.

**(c) Installation.**

Installation shall be in accordance with the provisions of Article 630.03.

**(d) Guardrail Reset and Guardrail End Anchor Reset.**

These items shall be completed in accordance with the requirements shown on the plans or as directed by the Engineer.

**631.04 Method of Measurement.**

Guardrail or Barrier Rail Relocated will be measured in linear feet {meters} along the face of the rail to the nearest 0.1 foot {0.1 m} from end to end of each continuous portion of rail relocated,

Guardrail End Anchors Relocated will be measured in individual unit assemblies, complete in place, of the type designated, relocated to the satisfaction of the Engineer.

Guardrail Reset will be measured in linear feet {meters} along the face of the rail to the nearest 0.1 foot {0.1 m} from end to end of the section of guardrail to be reset.

Guardrail End Anchor Reset will be measured per each.

**631.05 Basis of Payment.**

**(a) Unit Price Coverage.**

**1. Guardrail and Barrier Rail Relocated.**

Accepted guardrail or barrier rail relocated, measured as provided above, will be paid for at the contract unit price bid per linear foot {meter} for the type rail to be relocated which shall be payment in full for removing the in place rail and posts, preparing the rail, posts, and hardware for relocation, and for the installation of the posts, rail, and accessories.

The above unit prices shall include furnishing any additional necessary hardware, equipment, tools, labor, and incidentals necessary to complete these items of work. Any new rail or posts required to replace damaged rail or posts, through no fault of the Contractor, shall be furnished by the Contractor with payment to be made the same as for unused materials outlined in Subarticle 109.06(b).

**2. Guardrail End Anchor Relocated**

Accepted guardrail and anchors relocated, measured as provided above, will be paid for at the contract unit price bid per each, which shall be payment in full for removing the in-place anchor system, preparing the anchor system and accessories for relocation, and for the installation of the complete assembly. The unit price bid shall include any additional hardware, equipment, tools, labor, and incidentals necessary to complete this item of work. Any new end anchor required to replace an unserviceable end anchor will be paid for as for unused materials outlined in Subarticle 109.06(b).

**3. Guardrail Reset**

Accepted guardrail reset, measured as noted above, will be paid for at the contract unit price bid per linear foot {meter} for the type rail to be reset which shall be payment in full for all equipment, tools, labor, blockouts, and additional hardware required to complete the work. Any new rail or posts required to replace damaged rail or posts, through no fault of the Contractor, shall be furnished by the Contractor with payment to be made the same as for unused materials outlined in Subarticle 109.06(b).

**4. Guardrail End Anchor Reset**

Accepted guardrail end anchor reset, measured as noted above, will be paid for at the contract unit price bid per each and shall be payment in full for all equipment, tools, labor, hardware, and incidentals needed to complete the work. Any new end anchor required to replace an unserviceable end anchor will be paid for as for unused materials outlined in Subarticle 109.06(b).

**(b) Payment will be made under Item No.:**

631-C Guardrail Reset - per linear foot {meter}

631-E Guardrail End Anchor \*\* Reset - per each

631-F \* Relocated - per linear foot {meter}

631-G Guardrail End Anchor \*\* Relocated - per each

\* Steel Beam Guardrail Class \_\_\_\_, Type \_\_\_\_ ; Aluminum Beam

Guardrail Class \_\_\_\_ Steel Rectangular Tube, Barrier Rail; Extruded Aluminum  
Tube, Barrier Rail

\*\* Type 1, 2, 3, etc.