

# EXPECTED IMPLEMENTATION JULY 2017

## **538 RESETTING GUARDRAIL.** **(REV 7-20-16) (FA 8-2-16) (7-17)**

SECTION 538 is deleted and the following substituted:

### **SECTION 538 RESETTING GUARDRAIL**

#### **538-1 Description.**

Remove the existing guardrail system and reinstall using new and reusable components, at the locations shown in the Plans. Construct the reset guardrail in accordance with the Design Standards using new and reusable components, excluding components defined as non-reusable in this Section.

Furnish and install end treatment assemblies, approach transition connections to rigid barrier, trailing end transition connections to rigid barrier, and bridge anchorage assemblies as required by the Plans.

#### **538-2 Materials.**

**538-2.1 Planned Non-reusable Components:** The following items are considered planned non-reusable components and must be replaced with new components:

1. Timber posts
2. Timber offset blocks
3. End treatment assemblies
4. Approach transition connections to rigid barrier, including but not limited to panels, posts, hardware, offset blocks, etc.
5. Trailing end transition connections to rigid barrier
6. Bridge anchorage assemblies, including but not limited to panels, posts, hardware, offset blocks, etc.
7. Mounting hardware, including but not limited to nuts, bolts, washers, etc.
8. Any other items specified as non-reusable in the Plans

**538-2.2 Unforeseen Non-reusable Components:** During construction operations, the Engineer may deem other existing components, excluding planned non-reusable components, as unacceptable for re-use. Such components are considered unforeseen non-reusable components and require replacement with new components. Unforeseen non-reusable components will be compensated in accordance with 4-4.

Components damaged during construction operations are not considered unforeseen non-reusable components and must be replaced with new components at no cost to the Department.

#### **538-3 Construction Methods.**

Construct the reset guardrail in accordance with Section 536.

If the reset guardrail is to be placed in the same location as the previous installation, do not use the previous installation's in-ground post holes. Place the reset posts at the approximate midspan location of the previous installation. Backfill and thoroughly tamp the unused, in-ground holes at the previous post locations.

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To accommodate the new post locations, field punch new post bolt slots in the reusable guardrail panels where needed. Meet the dimension and treatment requirements of the Design Standards and Section 536.

## **538-4 Method of Measurement.**

The quantities paid for will be the plan length quantity, in linear feet, constructed, in place and accepted.

The plan length of a run of guardrail is measured end-to-end following the centerline of the panels, from the begin/end guardrail stations as defined in the Design Standards and specified in the Plans, including the end treatments and transition connections to rigid barrier lengths.

## **538-5 Basis of Payment.**

Price and payment for resetting guardrail will be full compensation for all work specified in this Section, including the furnishing replacements for planned non-reusable components (excluding end treatment assemblies, approach transition connections to rigid barriers, and bridge anchorage assemblies) and installation of all required components as defined in the Design Standards. The price and payment will include any reduced post spacing, trailing end transition connections, shop-bent panels, and CRT post segments as defined in the Design Standards and shown in the Plans.

Price and payment for end treatment assemblies, approach transition connections to rigid barriers, and bridge anchorage assemblies will be as specified in Section 536.

Payment will be made under:

Item No. 538- 1- Guardrail - Reset - per foot.