



Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

December 15, 2020

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: **536**
Proposed Specification: **5360314 GUARDRAIL.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Richard Stepp from the Roadway Design Office to update language in the Standard Specification.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on file

Daniel Strickland, P.E.
State Specifications Engineer

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

GUARDRAIL
(REV 10-23-20)

SUBARTICLE 536-3.14 is deleted and the following substituted:

536-3.14 Approach Terminal Assemblies: Install approach terminal assemblies as specified in the Plans and APL drawings and in accordance with the geometry and adjacent grading of the Standard Plans. The APL number must be permanently marked on each assembly at a readily visible location using legible lettering at least 3/4 inch in height.

If the Plans call for a ~~"flared"~~an approach terminal assembly and do not identify the specific system to be used, the contractor has the option to construct any Department-approved ~~"flared"~~approach terminal assembly identified on the APL that meets the applicable test criteria, subject to the conditions identified in the Plans or the APL drawings.

~~————— Likewise, if the Plans call for a "parallel" approach terminal assembly and do not identify the specific system to be used, the contractor has the option to construct any Department-approved "parallel" terminal assembly identified on the APL, subject to the conditions identified in the Plans or the APL drawings.~~

SUBARTICLE 536-5.5 is deleted and the following substituted:

536-5.5 ~~Bridge Anchorage Assembly/Approach~~ Transition Connection to Rigid Barrier: The quantity paid for will be the number of each, constructed, in place and accepted.

SUBARTICLE 536-5.7 is deleted and the following substituted:

536-5.7 Guardrail End Treatment: The quantity paid for will be the number of each type as designated, constructed, in place, and accepted. Guardrail end treatment types may include ~~parallel or flared~~ approach terminals, trailing anchorages, CRT end treatments, and double faced approach terminals as defined in the Standard Plans.

SUBARTICLE 536-6.1 is deleted and the following substituted:

536-6.1 Guardrail: Price and payment will be full compensation for all work specified under this Section, except those items specified in 536-6.2 through 536-6.7. Price and payment includes furnishing and installing posts, panels, barrier delineators, offset blocks, and all other materials as defined in the Plans and the Standard Plans. The price and payment will include any reduced post spacing, nested panels, shop-bent panels, end unit panels, ~~trailing end transition connections to rigid barrier,~~ and CRT posts as required in the Plans.

The type of guardrail specified will be that which comprises the guardrail run between end treatments and transition connections to rigid barrier (including, but not limited to, w~~_~~beam general, w~~_~~beam double face, w~~_~~beam low~~_~~speed, modified thrie~~_~~beam). For guardrail systems with direct connections between end treatments and transition connections to

rigid barrier, the type of guardrail specified will be w-beam for single face guardrail applications or double faced for double face guardrail applications.

SUBARTICLE 536-6.5 is deleted and the following substituted:

536-6.5 ~~Bridge Anchorage Assembly/Approach~~ Transition Connection to Rigid Barrier: Price and payment will include all costs for furnishing and installing all hardware for approach or trailing transition connections to rigid barrier per the Standard Plans that are in addition to the cost of items included in 536-6.1. This includes costs for the concrete transition block or alignment curb ~~and its transition~~ where shown in the Standard Plans and barrier delineators for existing post and beam bridge railings. This item applies for connections to concrete barrier, concrete pier protection barrier, and concrete or metal bridge traffic railing, including thrie-beam retrofits.

SUBARTICLE 536-6.8 is deleted and the following substituted:

536-6.8 Payment Items: Payment will be made under:

- Item No. 536- 1- Guardrail - per foot.
- Item No. 536- 5- Rub Rail - per foot.
- Item No. 536- 6- Pipe Rail - per foot.
- Item No. 536- 7- Special Guardrail Post - each.
- Item No. 536- 8- ~~Bridge Anchorage Assembly/Approach~~ Transition Connection to Rigid Barrier - each.
- Item No. 536- 73- Removal of Existing Guardrail - per foot.
- Item No. 536- 85- Guardrail End Treatment - each.

GUARDRAIL
(REV 10-23-20)

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536-3.14 Approach Terminal Assemblies: Install approach terminal assemblies as specified in the Plans and APL drawings and in accordance with the geometry and adjacent grading of the Standard Plans. The APL number must be permanently marked on each assembly at a readily visible location using legible lettering at least 3/4 inch in height.

If the Plans call for an approach terminal assembly and do not identify the specific system to be used, the contractor has the option to construct any Department-approved approach terminal assembly identified on the APL that meets the applicable test criteria, subject to the conditions identified in the Plans or the APL drawings.

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The type of guardrail specified will be that which comprises the guardrail run between end treatments and transition connections to rigid barrier (including, but not limited to, w-beam general, w-beam double face, w-beam low-speed, modified thrie-beam). For guardrail systems with direct connections between end treatments and transition connections to rigid barrier, the type of guardrail specified will be w-beam for single face guardrail applications or double faced for double face guardrail applications.

SUBARTICLE 536-6.5 is deleted and the following substituted:

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SUBARTICLE 536-6.8 is deleted and the following substituted:

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- Item No. 536- 5- Rub Rail - per foot.
- Item No. 536- 6- Pipe Rail - per foot.
- Item No. 536- 7- Special Guardrail Post - each.
- Item No. 536- 8- Transition Connection to Rigid Barrier - each.
- Item No. 536- 73- Removal of Existing Guardrail - per foot.
- Item No. 536- 85- Guardrail End Treatment - each.