

Design Speed Length of Advancement, Ft. (X) (mph) < 40 = 16 (D-d)

1. The minimum length of advancement for both near lane and opposing lane approaches is 20'.

≥ DESCRIPTION:

2. For Design Speeds greater than 40 mph the Tapered End Transition is not permitted. See Index No. 400 for length of Advancement of guardrail or other project specific end treatments.

= LENGTH OF ADVANCEMENT - TAPERED END TRANSITION (40 MPH OR LESS) =====

DESIGN NOTES:

The Tapered End Transition should only be used when space is limited which precludes the use of a quardrail end treatment or crash cushion.

- D = Distance in feet from near edge of near approach traffic lane to either: (a) the back of hazard, when the hazard is located inside the clear zone or horizontal clearance; (b) the clear zone or horizontal clearance outer limits, when hazard extends to, or goes beyond the clear zone or horizontal clearance limits. For left side hazards on two way undivided facilities, "D" is measured from the inside edge of the near approach traffic lane as shown above.
- d = Distance in feet from near edge of near approach traffic lane to face of traffic railing (at

CROSS REFERENCES:

For General Notes, Dowel Details, Expansion Dowel Details, Reinforcing Steel Notes and Reinforcing Steel Bending Diagram see Index

offset control point). For left side hazards on two-way undivided facilities "d" is measured from the inside edge of the nearest opposing traffic lane as shown above

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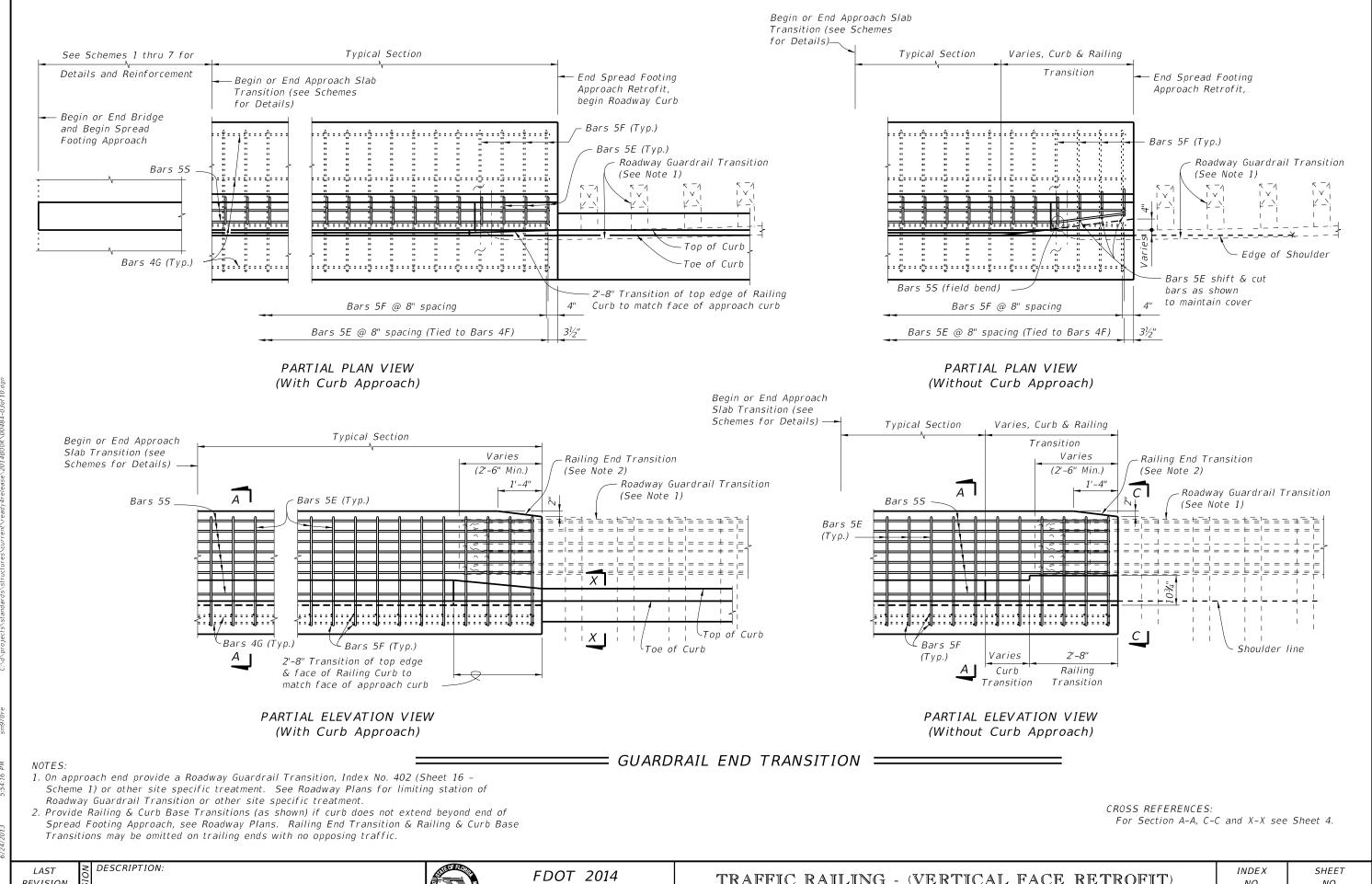


FDOT 2014 DESIGN STANDARDS

TRAFFIC RAILING - (VERTICAL FACE RETROFIT) SPREAD FOOTING APPROACH

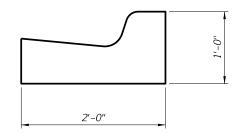
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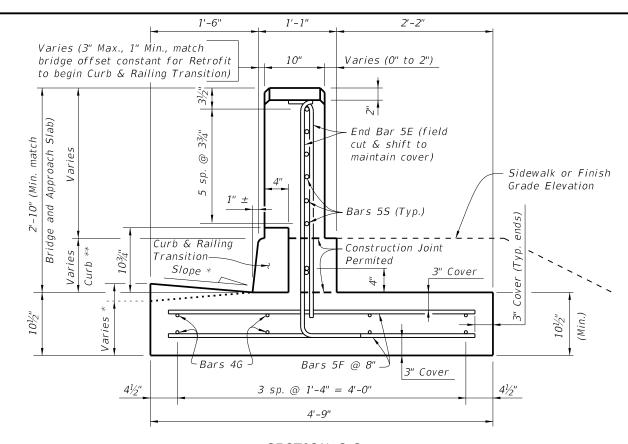
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NOTE: Quantities are based on a 9" curb, no curb cross slope.

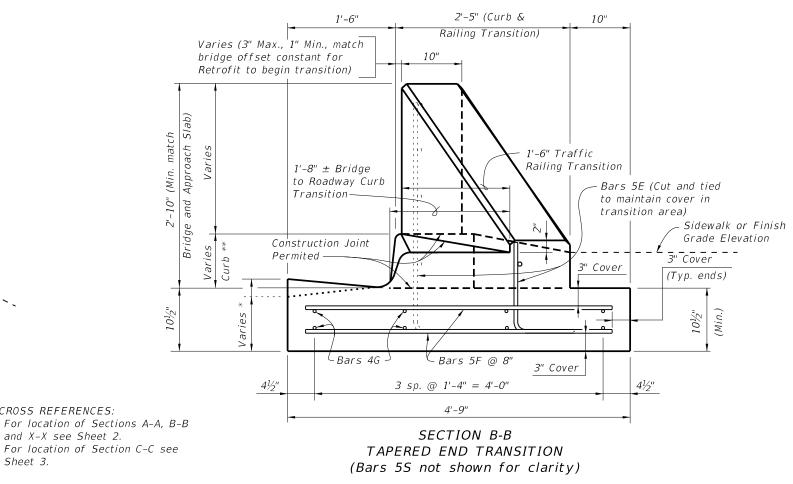


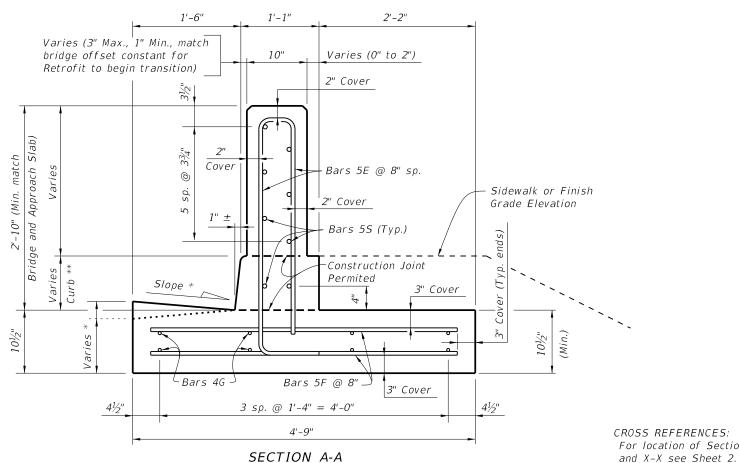
SECTION X-X (TYPICAL CURB, TYPE VARIES, TYPE F SHOWN) (See Index No. 300 and Plans for Details)

- * Match Cross Slope of high side and low side at begin or end bridge or approach slab.
- ** Match curb height of adjacent bridge and approach slab. Adjust height in Transition area to match adjoining Roadway curb.



SECTION C-C (GUARDRAIL END TRANSITION)





SECTION A-A TYPICAL SECTION (9" Curb shown, 6" Curb similar)

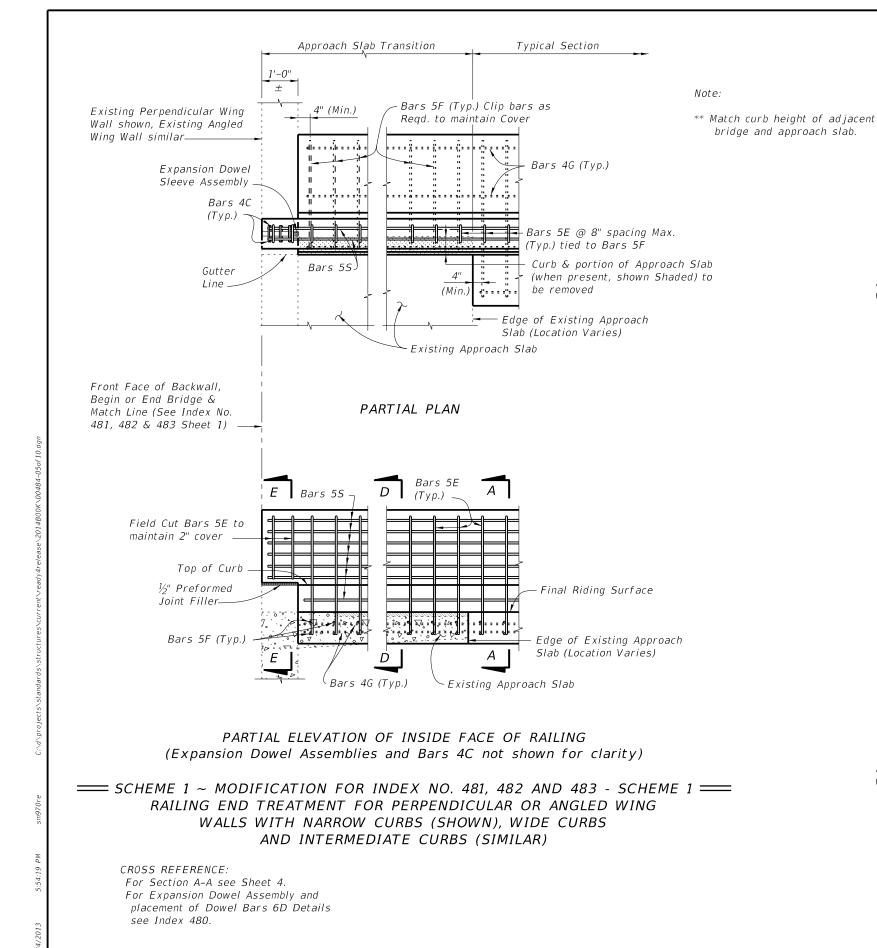
FDOT 2014 DESIGN STANDARDS

Sheet 3.

TRAFFIC RAILING - (VERTICAL FACE RETROFIT) SPREAD FOOTING APPROACH

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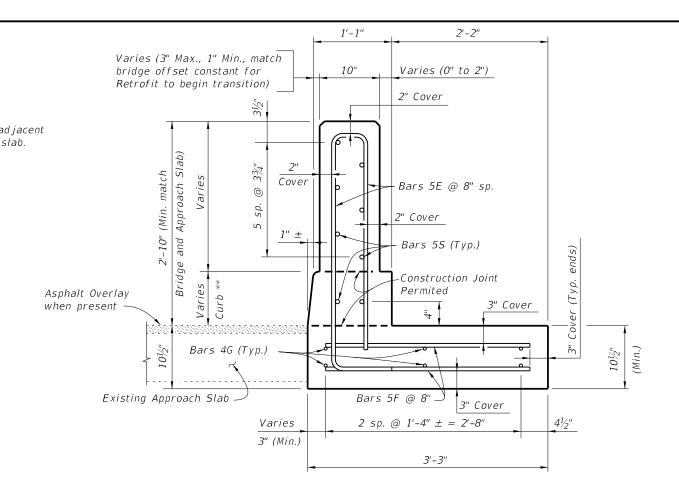


∠ DESCRIPTION:

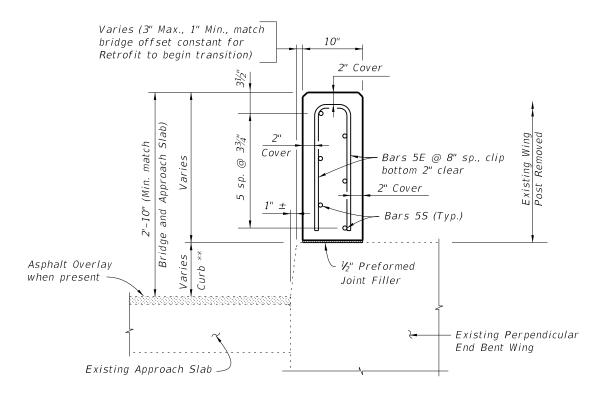
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SECTION D-D

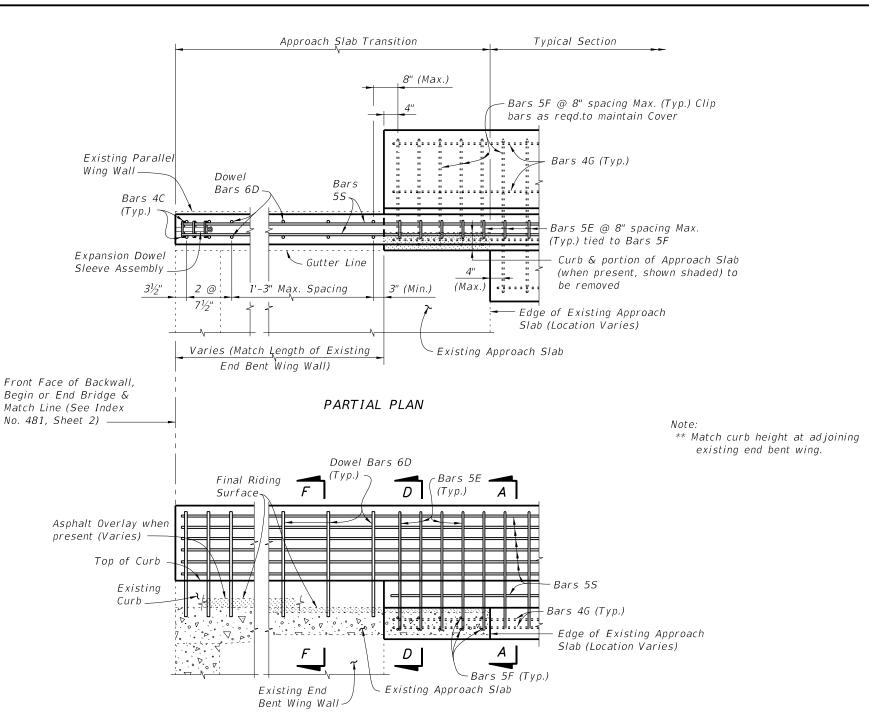


SECTION E-E (NARROW CURB SHOWN, WIDE AND INTERMEDIATE CURBS SIMILAR)

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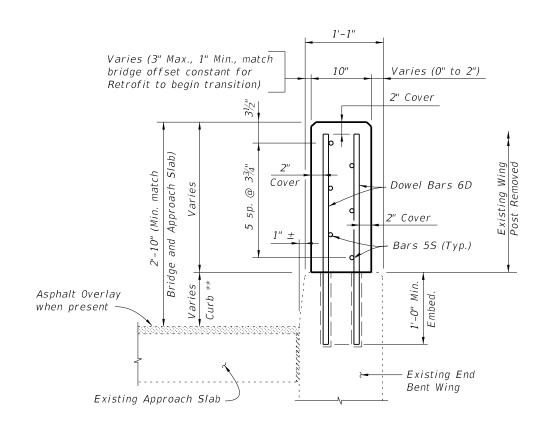


PARTIAL ELEVATION OF INSIDE FACE OF RAILING (Expansion Dowel Assemblies and Bars 4C not shown for clarity)

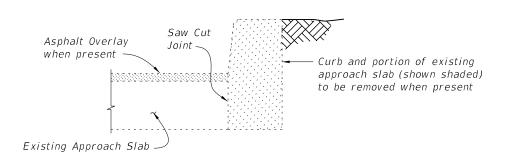
NOTES:

≥ DESCRIPTION:

1. Remove existing concrete along saw cut joints. Existing reinforcing steel may be cut at joint or extended into new concrete. Exposed existing reinforcing not encased in new concrete shall be removed 1" below existing concrete surface and grouted over.



SECTION F-F



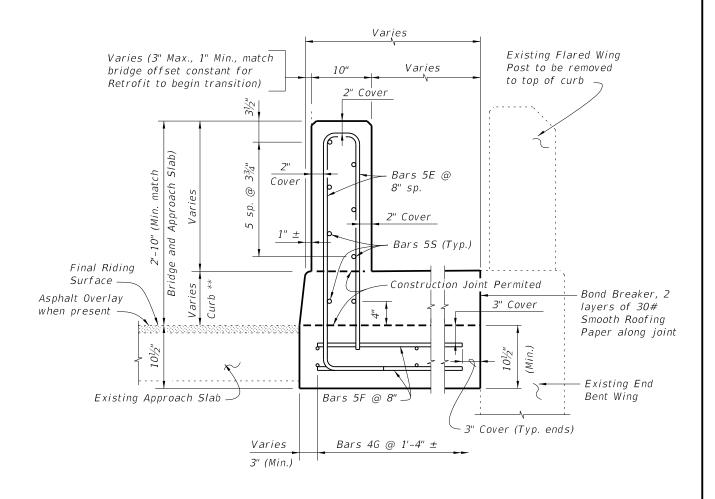
SECTION THRU EXISTING CURB AND APPROACH SLAB TO BE REMOVED (Free Standing Curb Similar)

CROSS REFERENCES:

For Section A-A see Sheet 4.
For Section D-D see Sheet 5.
For Expansion Dowel Assembly and placement of Dowel Bars 6D Details see Index 480.

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DESIGN STANDARDS



SECTION G-G

Note:

** Match curb height at adjoining existing end bent wing.

CROSS REFERENCES:

For Section A-A see Sheet 4. For Section D-D see Sheet 5.

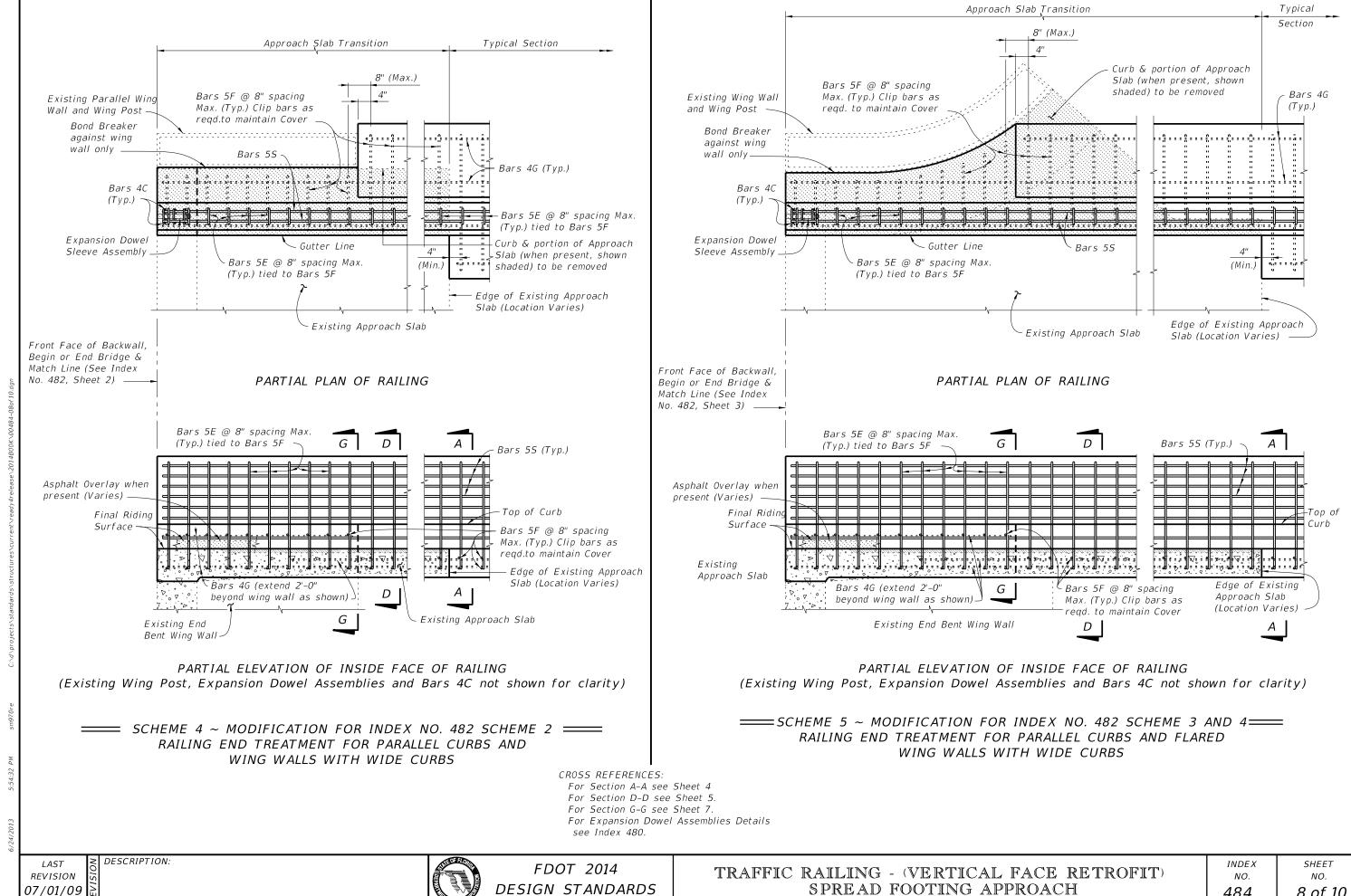
For Section D-D see Sheet 5. For Section F-F see Sheet 6.

For Expansion Dowel Assemblies Details and placement of Dowel Bars 6D see Index 480.

LAST DESCRIPTION:
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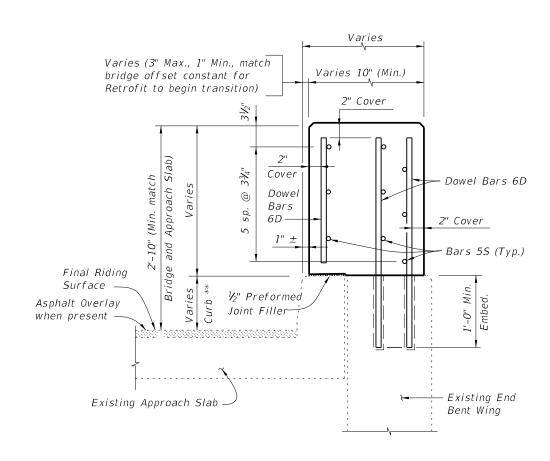


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(Expansion Dowel Assemblies and Bars 4C not shown for clarity)

── SCHEME 6 ~ MODIFICATION FOR INDEX NO. 483 SCHEME 2 ───── RAILING END TREATMENT FOR PARALLEL CURBS AND WING WALLS WITH INTERMEDIATE CURBS



SECTION H-H

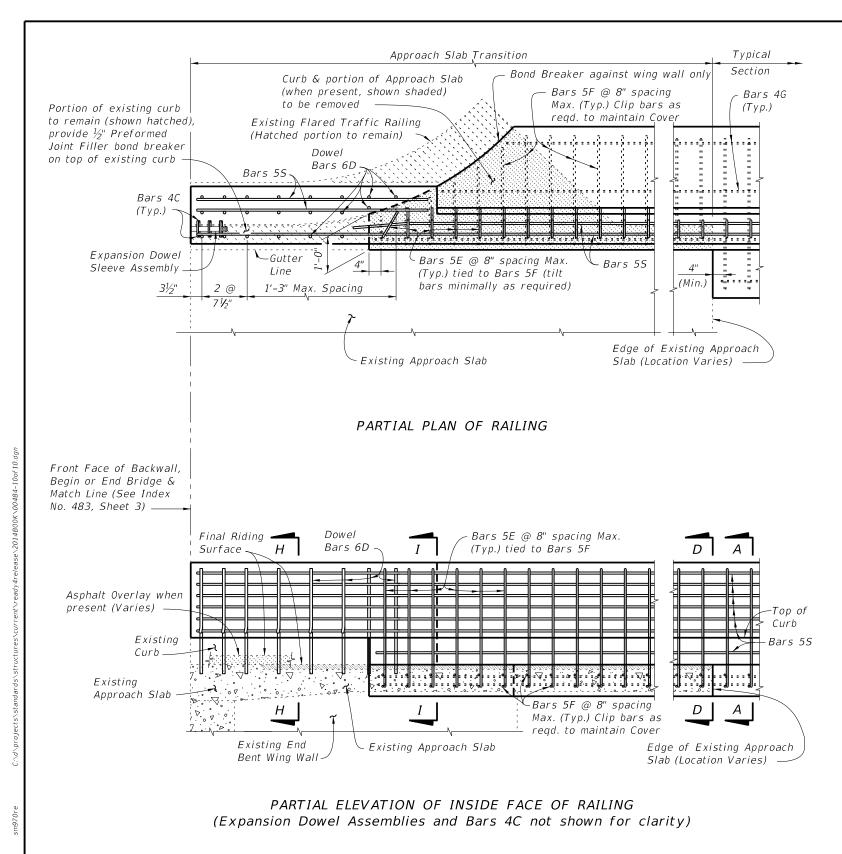
Note:

** Match curb height at adjoining existing end bent wing.

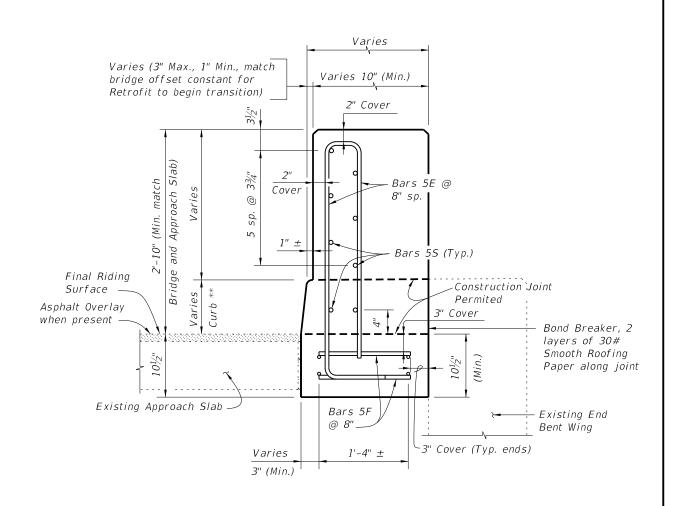
> CROSS REFERENCES: For Section A-A see Sheet 4. For Section D-D see Sheet 5. For Expansion Dowel Assembly and placement of Dowel Bars 6D Details see Index 480.

LAST REVISION 07/01/09





=== SCHEME 7 ~ MODIFICATION FOR INDEX NO. 483 SCHEME 3 ====== RAILING END TREATMENT FOR PARALLEL CURBS AND FLARED WING WALLS WITH INTERMEDIATE CURBS



SECTION I-I

Note: ** Match curb height at adjoining existing end bent wing.

CROSS REFERENCES:

For Section A-A see Sheet 4. For Section D-D see Sheet 5. For Section H-H see Sheet 9. For Expansion Dowel Assemblies and placement of Dowel Bars 6D Details see Index 480.

≥ DESCRIPTION: LAST REVISION 07/01/09



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