GENERAL NOTES:

DESCRIPTION:

SHEET

1

CONTENTS

Index Contents: General Notes

- 1. BARRIER CONCRETE: Use Class II concrete for all barriers constructed in slightly aggressive environments, and use Class IV Concrete for all barriers constructed in moderately or extremely aggressive environments. On all exposed surfaces, apply a General Surface Finish in accordance with Specification 400.
- 2. STEEL BAR REINFORCEMENT: Where required to maintain continuity, provide lap splices of at least 18 inches for No. 4 bars and 20 inches for No. 5 bars, unless otherwise shown herein (including shorter splices as provided by the default bar bending diagrams).

The default reinforcing details shown herein, including bar shapes and lap splice positions, are intended to show required steel locations and provide for a constructible design. However, with the approval of the Engineer, alternate steel configurations may be used in the same locations shown herein, given that the equivalent strength reinforcing is provided and the cover, maximum spacing, and continuity requirements are maintained.

3. OPTIONAL WELDED WIRE REINFORCEMENT: With the approval of the Engineer, steel welded wire reinforcement in accordance with Specification 415 may be substituted for the steel bars shown herein. Place the welded wire in the same locations specified for the steel bars, and maintain the equivalent strength, cover, maximum spacing, and continuity requirements.

GENERAL NOTES (CONTINUED):

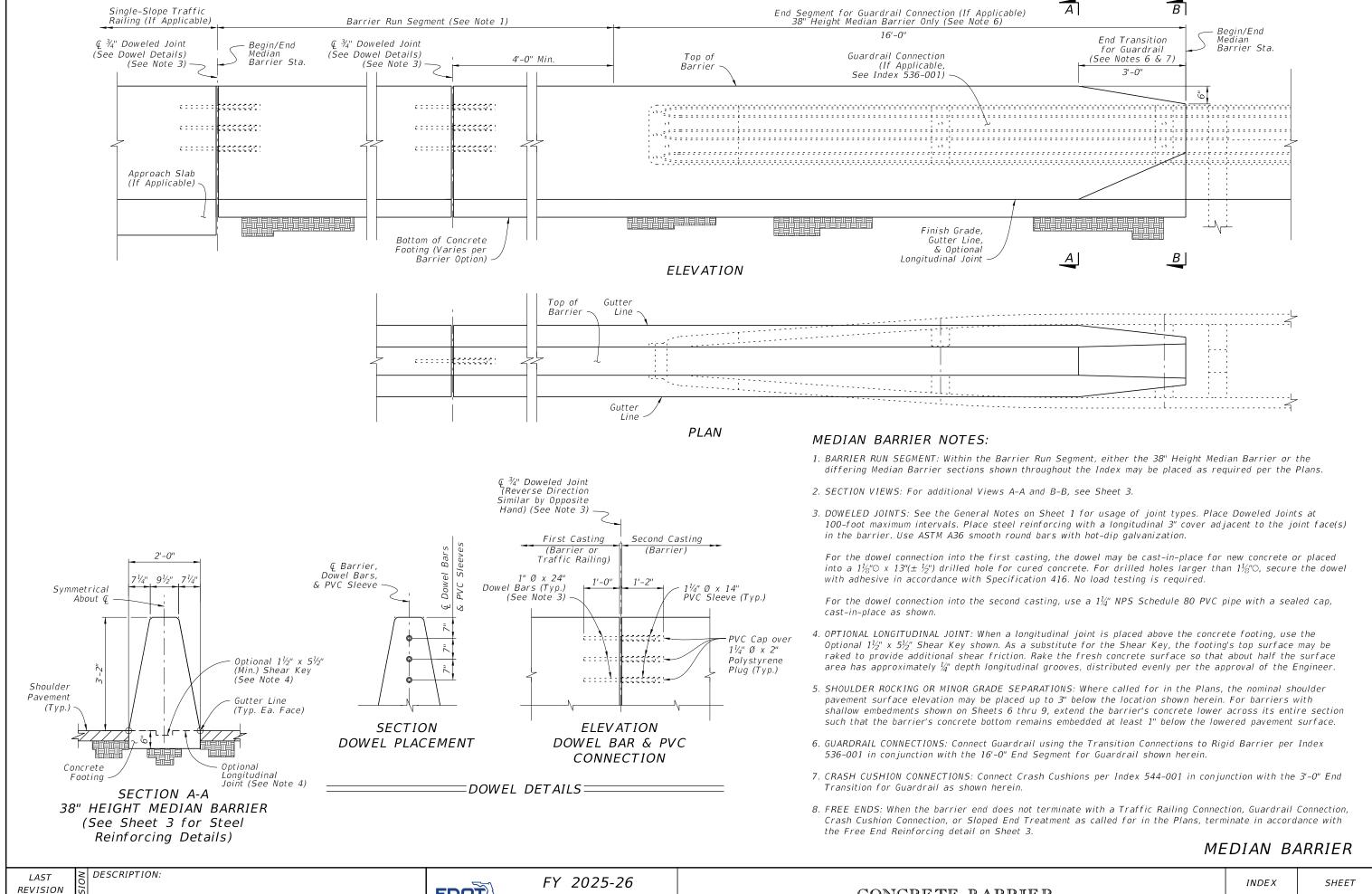
- 4. TOP FACE LONGITUDINAL REINFORCEMENT: Unless otherwise specified, the longitudinal reinforcement shown closest to the top face of the barrier has a maximum cover of $4\frac{1}{2}$ ", measured from the top face of the barrier.
- 5. MINIMUM BARRIER LENGTH: Unless otherwise shown in the Plans, the minimum Concrete Barrier length is 40 feet.
- 6. CONSTRUCTION JOINTS: Install Construction Joints only as needed for discontinuous concrete casting or cold joints. Maintain continuity of steel reinforcement across Construction Joints. Construction Joints are classified herein as Transverse Joints or Longitudinal Joints.

Transverse Joints are permitted at 20-foot or greater intervals along the barrier. For Tall Grade-Separated Sections, see Sheet 5 for additional Transverse Joint requirements.

Longitudinal Joints are only permitted where indicated in the following details and notes, with a vertical position tolerance of $\pm 1\frac{1}{2}$ " from the locations shown.

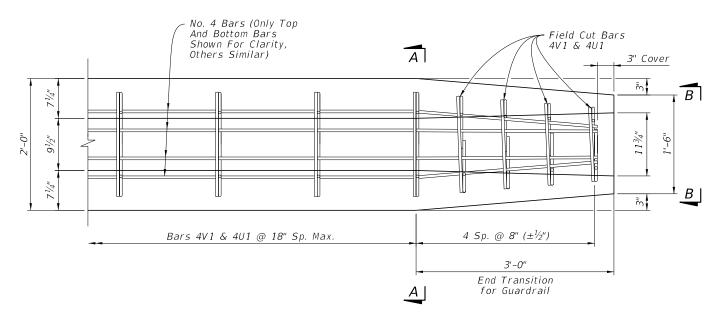
- 7. DOWELED JOINTS: As shown in the Dowel Details on Sheets 2 & 13, install ³/₄" Doweled Joints for Concrete Barrier connections to Wall Coping Barriers, Pier Protection Barriers, and Traffic Railings. Doweled Joints are also required for expansion mitigation in Median Barrier as defined per Sheets 2 & 5. Doweled Joints are not permitted within Grade-Separated Median Barrier.
- 8. CRACK CONTROL V-GROOVES: At 20-foot intervals, place $\frac{3}{8}$ " depth V-grooves that run vertically and/or transversely in the front, top, and back faces of barriers. The V-grooves can be either molded or scored while the concrete is still plastic.
- 9. SUBGRADE: Compact the top layer of subgrade with Type B Stabilization, LBR 40 (12 in.).
- 10. FOOTING BOTTOM CONCRETE COVER: At the bottom of barrier footings shown throughout this Index, up to 2 inches of additional concrete cover is permitted beyond what is shown herein to accommodate soil grade irregularities.
- 11. FINISH GRADE ELEVATION: At the barrier face location, the finish grade pavement has a vertical position tolerance of $\pm \frac{1}{2}$ " from the nominal locations shown herein, relative to the barrier elevation. Maintain visually smooth and even pavement at the barrier face, per the approval of the Engineer.
- 12. DRAINAGE INLETS: Where called for in the Plans, install corresponding inlets per Indexes 425-030 thru 425-032.
- 13. LIGHT POLE MOUNTING: Where called for in the Plans, install aluminum light poles per Index 715-002.
- 14. OPAQUE VISUAL BARRIER: Where called for in the Plans, install Opaque Visual Barrier per Index 521-010.
- 15. BARRIER END MARKERS: For all free ends of concrete barriers that are not shielded with an end treatment or connection to another barrier or traffic railing type, install a Type 3 Object Marker on the end face per Specification 705.
- 16. BARRIER DELINEATORS: Install Barrier Delineators in accordance with Specification 705. For median barriers, mount the delineator on the top of the barrier, at the centerline of barrier, with reflective sheeting facing traffic on both approaches. For shoulder barriers and split sections, mount the delineators on the top of the barrier, with the roadway side of the delineator located 2" from the front face of the barrier and the reflective sheeting facing traffic of the nearest approach.
- 17. TOLL SITES: Where called for in the Plans, substitute the steel reinforcing bars shown herein with GFRP reinforcing bars of the same size. Construct GFRP reinforcing bars in accordance with Specification 932, and use a maximum 4½" inner diameter for bar bends. Alternative bar bending details and shapes may be used so long as the final location of the reinforcing is unchanged and the bars are either continuous or fully spliced at the side and bottom barrier locations. Where required to fit pull boxes while maintaining bar spacing and concrete cover, trim GFRP bars as defined in the Plans.

At toll site locations, the use of Median Barriers on outside shoulders is permitted where called for in the Plans. Shoulder Pavement shown herein may be substituted with material for an alternate usage where defined in the Plans.



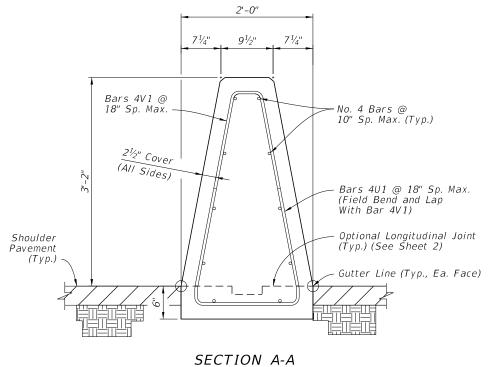
11/01/24

PLAN VIEW - 38" HEIGHT MEDIAN BARRIER FREE END REINFORCING (See Note 3)



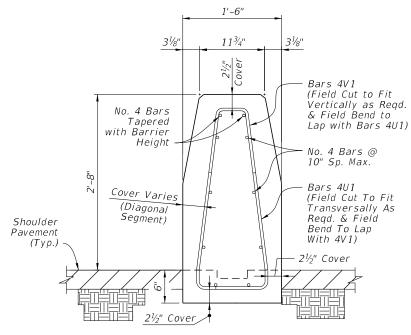
PLAN VIEW - END SEGMENT FOR GUARDRAIL CONNECTION (See Note 3)

- 1. GENERAL: Work with the Plan and Elevation Views on Sheet 2.
- 2. BAR BENDING DIAGRAMS: For additional information on Bars 4V1 and 4U1, see the details on Sheet 26.
- 3. PLAN VIEWS: Only top and bottom longitudinal reinforcing is shown for clarity. For all longitudinal steel locations, see the section views.



38" HEIGHT MEDIAN BARRIER

Concrete Qty. = 0.20 CY/FT Stee/ Qty. = 11.8 LB/FT

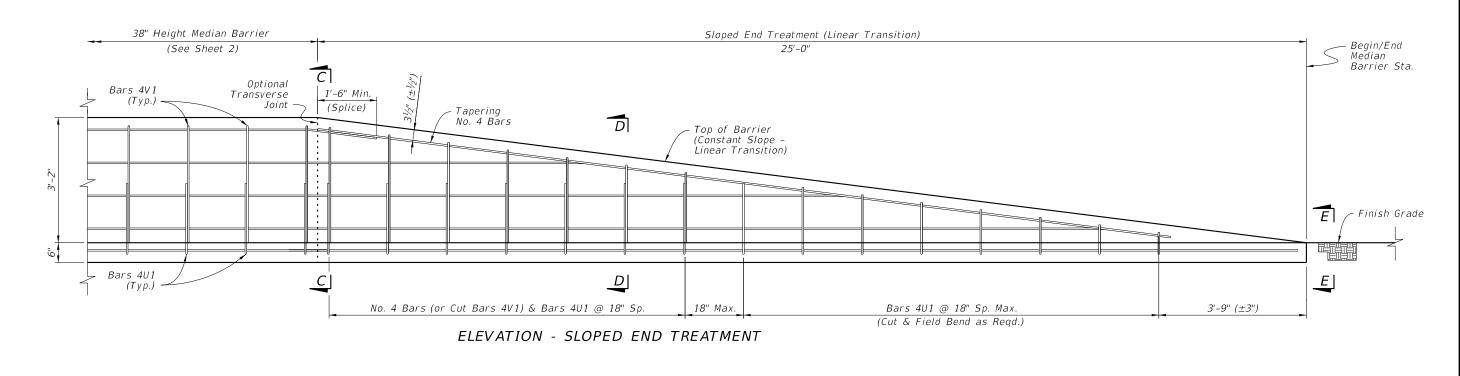


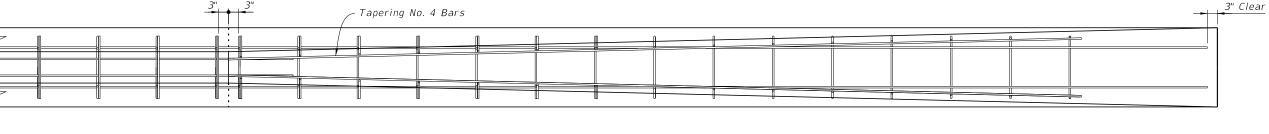
VIEW B-B REDUCED SECTION OF END TRANSITION FOR GUARDRAIL (End of Barrier)

MEDIAN BARRIER - REINFORCING DETAILS

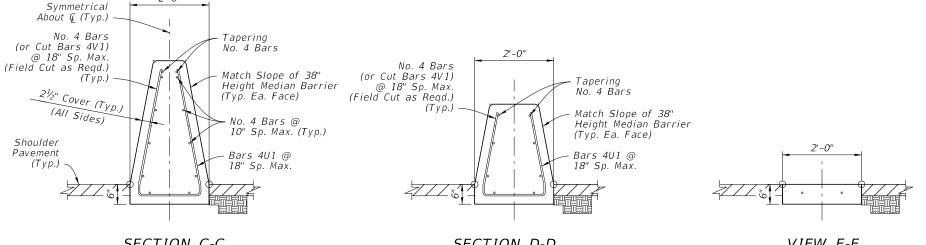
REVISION 11/01/20

DESCRIPTION:





PLAN - SLOPED END TREATMENT (Only Top & Bottom Longitudinal Bars Shown for Clarity, See Section Views for All Longitudinal Steel Locations)



SECTION C-C **BEGIN TRANSITION** REINFORCING (Height Varies Linearly per Elevation View)

SECTION D-D INTERMEDIATE TRANSITION REINFORCING (Height Varies Linearly per Elevation View)

NOTES:

- 1. GENERAL: Install Sloped End Treatment only where called for in the plans.
- 2. JOINTS: Construction or Doweled Joints are not permitted within the Sloped End Treatment segment.

VIEW E-E **END TRANSITION**

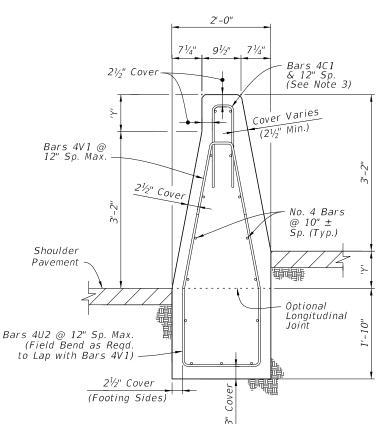
MEDIAN BARRIER - SLOPED END TREATMENT

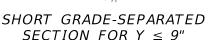
REVISION 11/01/18

DESCRIPTION:

FY 2025-26 STANDARD PLANS

INDEX *521-001* SHEET





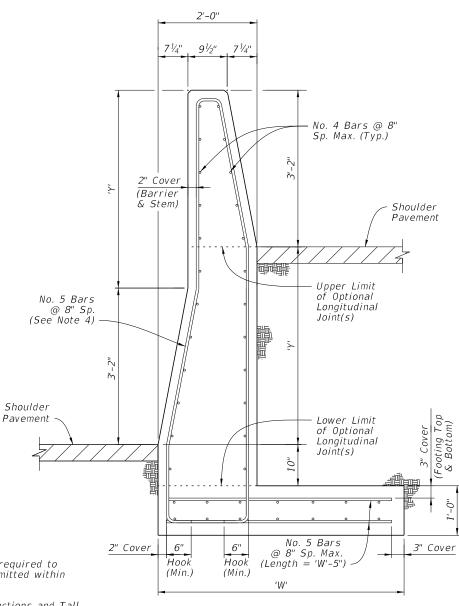
- 1. GENERAL: Install the Grade-Separated sections where shown in the Plans and as required to accommodate vertical offsets in pavement of Height Y. Doweled Joints are not permitted within Grade-Separated sections.
- 2. CONNECTIONS BETWEEN DIFFERENT SECTIONS: Connect Short Grade-Separated sections and Tall Grade-Separated sections using a continuous pour or Transverse Joint, where longitudinal steel that aligns within the adjacent section is maintained continuously between sections or has a full lap splice with the adjacent section's longitudinal steel. Connect Short Grade-Separated sections and 38" Height Median Barrier sections of Sheet 2 using a 3/4" Doweled Joint.
- 3. SHORT GRADE-SEPARATED SECTIONS: Bars 4C1 and the two uppermost longitudinal bars may be omitted for segments where Y < 2".
- 4. TALL GRADE-SEPARATED SECTIONS: For the vertical and transverse steel reinforcement shown in the Tall Grade-Separated Sections, bar bending diagrams are not provided due to varying section dimensions and Longitudinal Joint locations. Use any combination of spliced reinforcing steel to position the reinforcement with the same cover, spacing, continuity, and equivalent strength shown herein, as approved by the Engineer.

Longitudinal Joints are permitted between the vertical limits shown, and must remain level and at a consistent height per each continuous casting of concrete. Longitudinal Joints may change elevations at Transverse Joint locations. Field bending of bars is permitted at Longitudinal Joint locations.

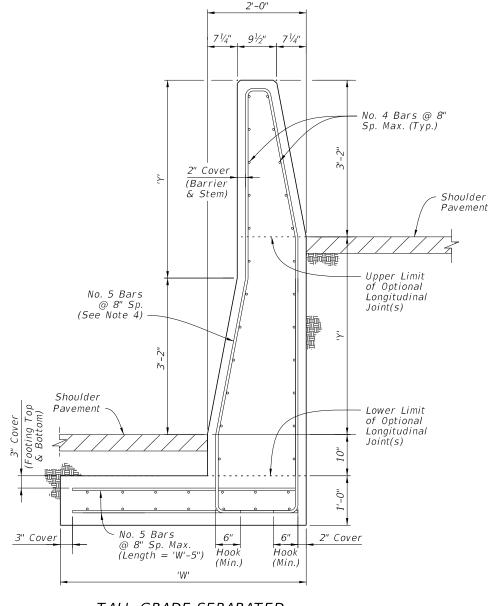
Transverse Joints between Tall Grade-Separated Sections do not require continuous steel across the joint if the following conditions are met:

- i. The barrier length on both sides is at least 40 feet, where each segment has continuous steel reinforcement.
- ii. The barrier's vertical steel spacing is reduced to 4" O.C. for a total of 12 spaces on both sides of the joint.

Grade separation Heights of $Y \le 9$ " are permitted on a limited basis using the Tall Grade-Separated section; this is to accommodate cases where maintaining the spread footing through lower height segments is more practical than changing to the Short Grade-Separated section.



TALL GRADE-SEPARATED HEEL FOOTING SECTION $FOR Y \leq 4'-0''$



TALL GRADE-SEPARATED TOE FOOTING SECTION $FOR Y \leq 4'-0''$

TALL GRADE-SEPARATED SECTIONS DIMENSION TABLE Max. Height, Y | 1'-0" | 1'-6" | 2'-0" | 2'-6" | 3'-0" | 3'-6" | 4'-0" Footing Width, W 3'-3" 3'-6" 3'-9" 4'-0" 4'-3" 4'-6" 4'-6"

MEDIAN BARRIER - GRADE-SEPARATED

DESCRIPTION: REVISION 11/01/18

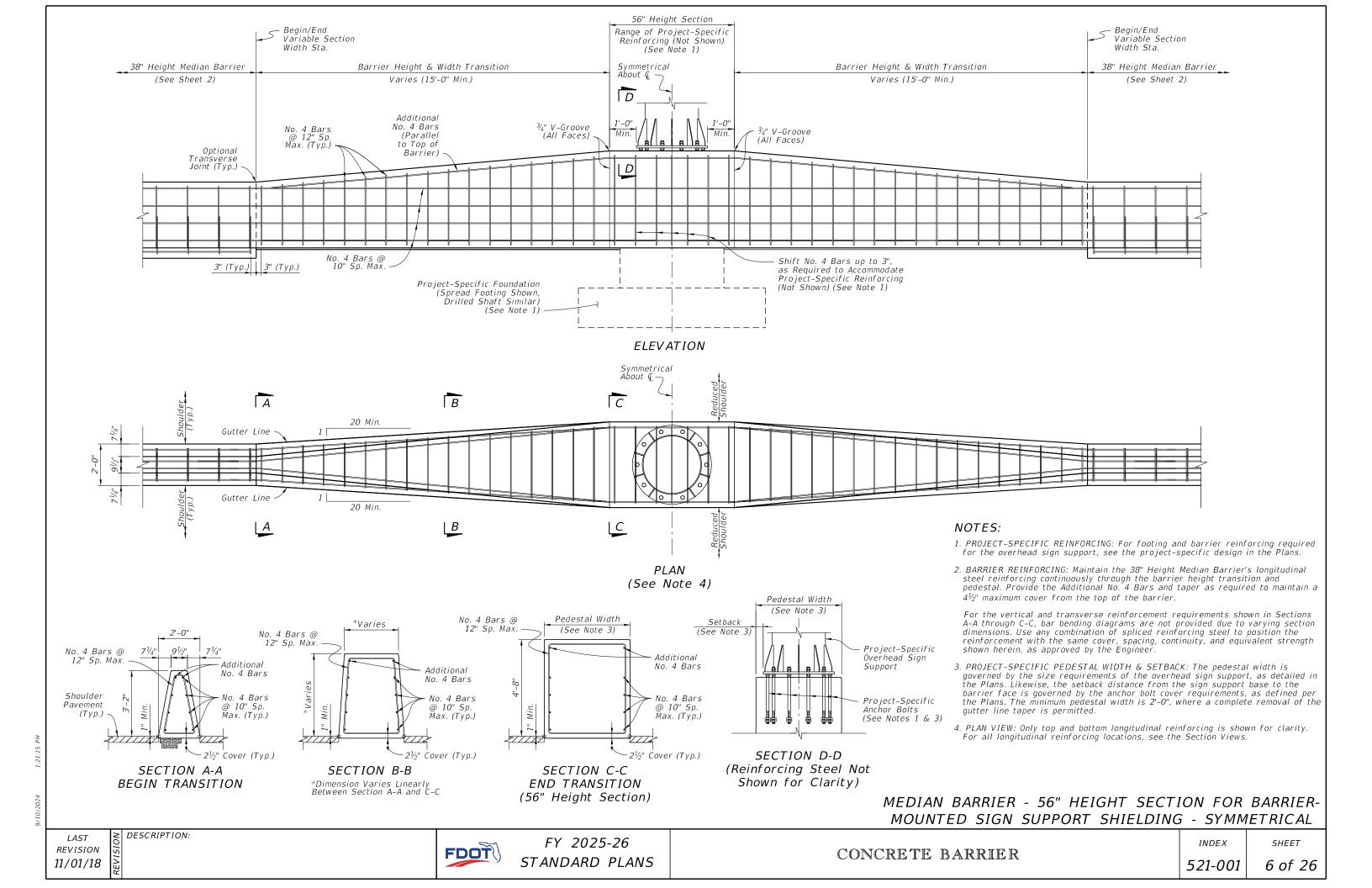
FDOT

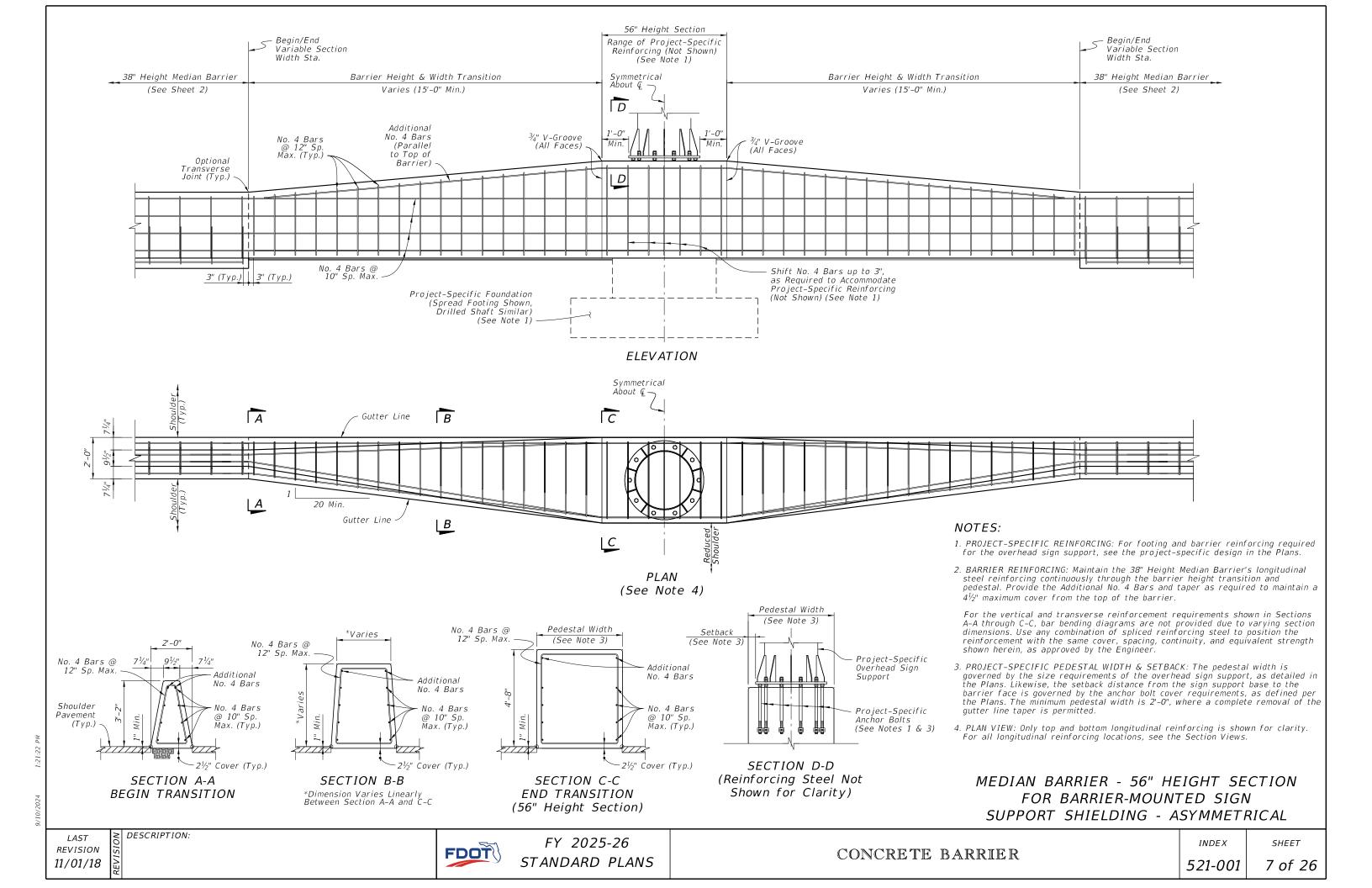
FY 2025-26 STANDARD PLANS

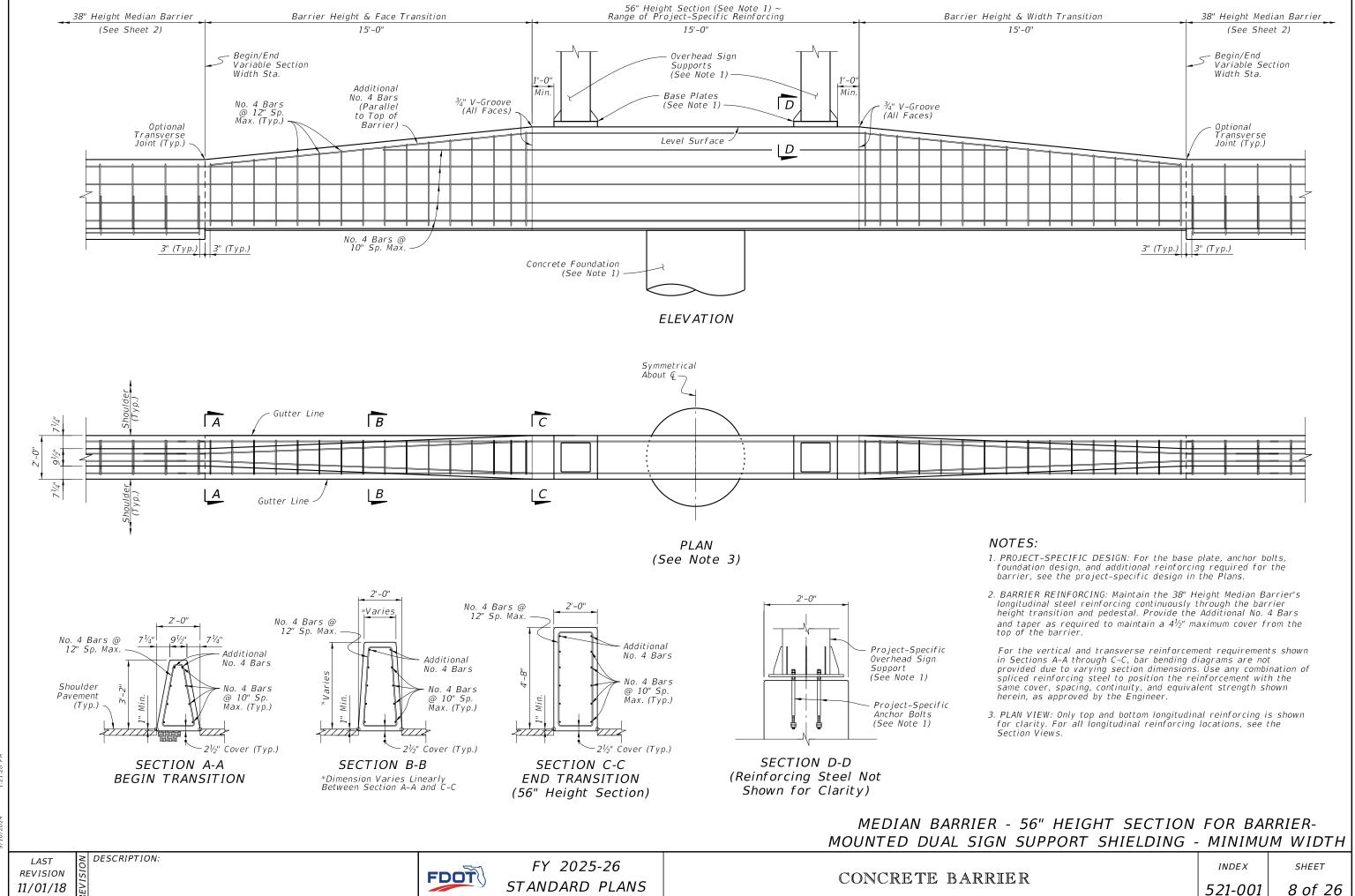
INDEX CONCRETE BARRIER

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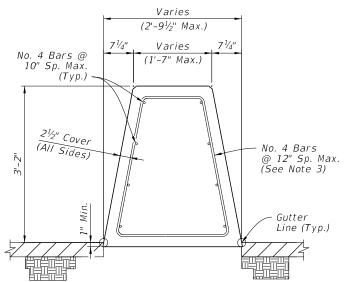
SHEET 5 of 26





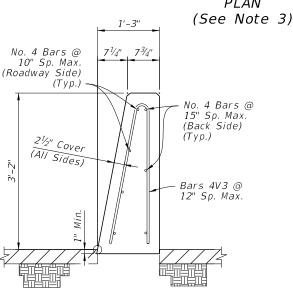


9/10/2024



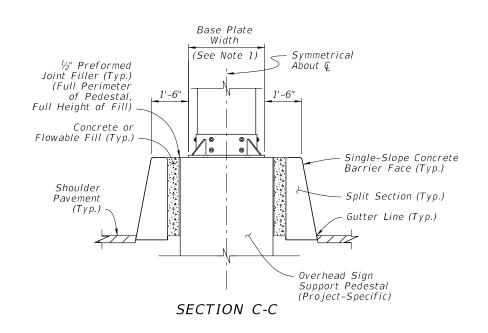
SECTION A-A TRANSITION SECTION (AT BEGIN SPLIT SECTIONS)

- 1. OVERHEAD SIGN SUPPORT: The overhead sign support shown is an example only; see the Plans for the project-specific dimensions and requirements. The overall length and width of the barrier's taper and parallel segments is governed by the overhead sign support dimensions as defined in the Plans.
- 2. MULTIPLE SIGN SUPPORTS: The parallel segment may be lengthened to accommodate multiple sign supports, with the approach and trailing tapers located 1 foot, measured longitudinally, upstream and downstream from the first and last sign support bases, respectively.
- 3. PLAN VIEW: Only outermost longitudinal reinforcing is shown for clarity. For all longitudinal reinforcing locations, see the Section Views.



SECTION B-B 38" HEIGHT SPLIT SECTION (OPPOSITE SIDE SIMILAR BY OPPOSITE HAND)

- 4. STIRRUP BARS: For the vertical and transverse reinforcement requirements shown in Sections A-A, bar bending diagrams are not provided due to varying section dimensions. Use any combination of spliced reinforcing steel to position the reinforcement with the same cover, spacing, continuity, and equivalent strength shown herein, as approved by the Engineer.
- 5. CONCRETE OR FLOWABLE FILL: Use Class NS Concrete in accordance with Specification 347 or Non-Excavatable Flowable Fill in accordance with Specification



MEDIAN BARRIER - 38" HEIGHT SPLIT SECTION FOR STAND-ALONE SIGN SUPPORT SHIELDING

REVISION 11/01/18

DESCRIPTION:

FDOT

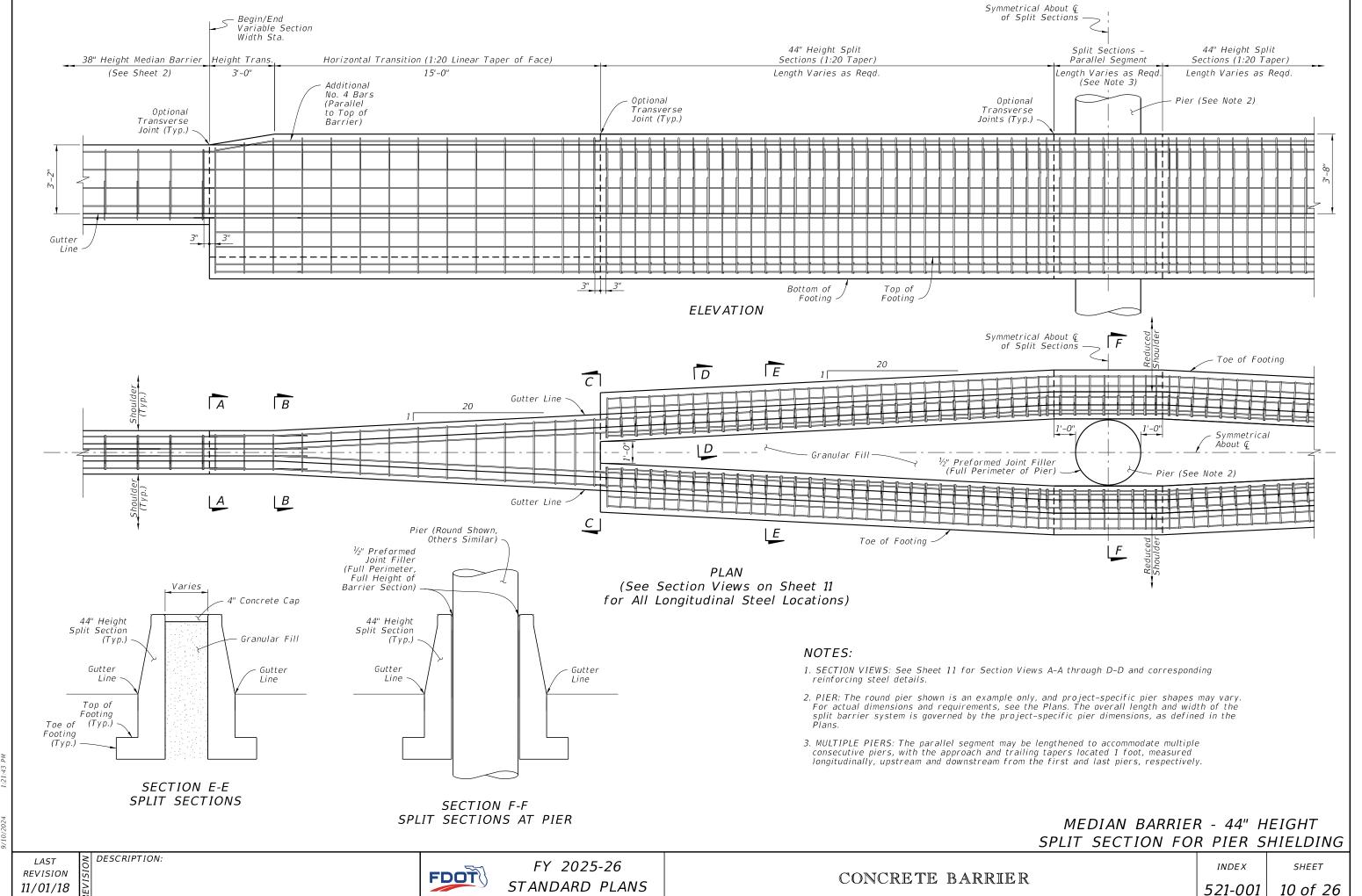
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CONCRETE BARRIER

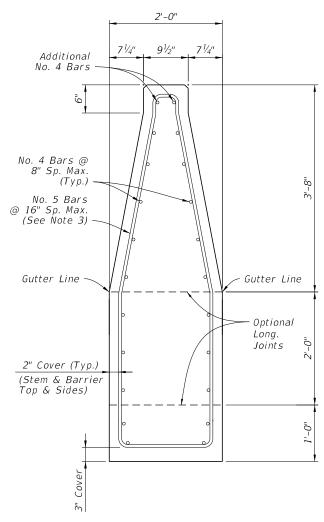
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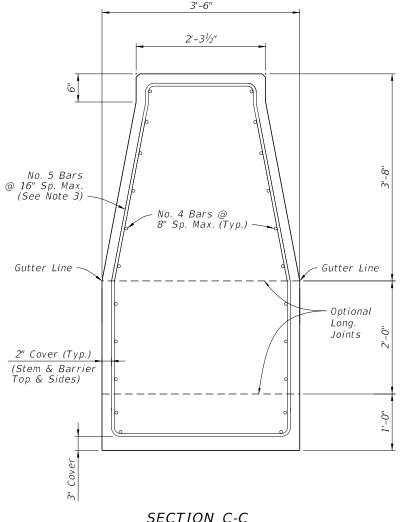
521-001



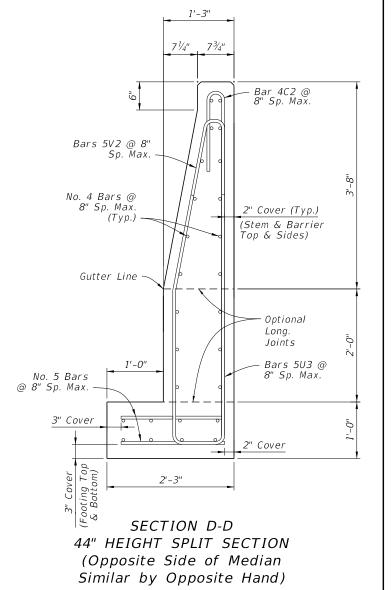
BEGIN HEIGHT TRANSITION (show spliced bars)



SECTION B-B END HEIGHT TRANSITION BEGIN WIDTH TRANSITION



SECTION C-C END WIDTH TRANSITION BEGIN SPLIT SECTIONS



Concrete Qty. = 0.30 CY/FT Steel Qty. = 52.6 LB/FT

NOTES:

- 1. GENERAL: Work with the Plan and Elevation views on Sheet 10.
- 2. LONGITUDINAL REINFORCING CONTINUITY: Maintain all longitudinal steel reinforcing shown in Section C-C continuously into Section D-D (spliced where required). The additional longitudinal reinforcing shown in Section D-D does not require continuity into Section C-C, and it starts 3" from the construction joint or edge of concrete per the details on Sheet 10.
- 3. STIRRUP BARS: For the vertical and transverse reinforcement requirement shown, bar bending diagrams are not provided due to varying section dimensions. Use any combination of spliced reinforcing steel to position the reinforcement with the same cover, spacing, continuity, and equivalent strength shown herein, as approved by the Engineer.

MEDIAN BARRIER - 44" HEIGHT SPLIT SECTION FOR PIER SHIELDING - DETAILS

REVISION 11/01/24

FDOT

FY 2025-26 STANDARD PLANS

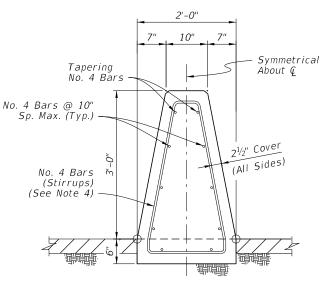
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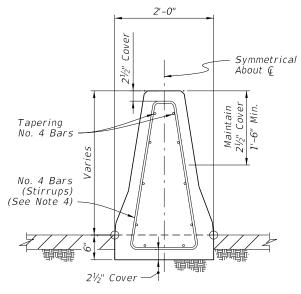
DESCRIPTION:

CONCRETE BARRIER

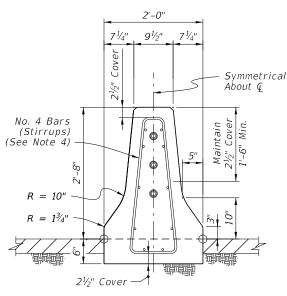
SECTION A-A BEGIN TRANSITION - OPTION 'A' MATCH SINGLE-SLOPE 38" HEIGHT MEDIAN BARRIER



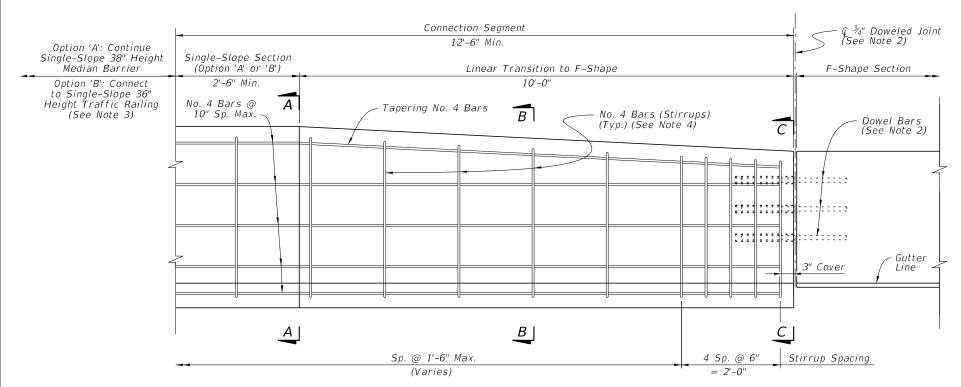
SECTION A-A BEGIN TRANSITION - OPTION 'B' MATCH SINGLE-SLOPE 36" HEIGHT TRAFFIC RAILING (Bridge Applications)



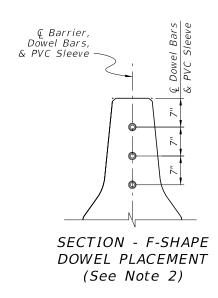
SECTION B-B INTERMEDIATE SECTION OF LINEAR TRANSITION



SECTION C-C **END TRANSITION** MATCH 32" HEIGHT F-SHAPE SECTION



ELEVATION (Reverse Direction Similar by Opposite Hand)



- 1. GENERAL: Construct the Connection Segment as required per the Plans to connect existing F-Shape sections to Single-Slope Median Barrier or Traffic Railing sections. Construct Option 'A' or 'B' as required to match the heights of the connecting sections.
- 2. DOWELED JOINT: Install Dowel Bars per the Dowel Details on Sheet 2.
- 3. TRAFFIC RAILING CONNECTION: For the Option 'B' connection, use a Doweled Joint per Sheet 2 and the additional Free End Reinforcing with reduced bar spacing per Sheet 3.
- 4. STIRRUP BARS: For the vertical and transverse reinforcement requirements shown, bar bending diagrams are not provided due to varying section dimensions. Use any combination of spliced reinforcing steel to position the reinforcement with the same cover, spacing, continuity, and equivalent strength shown herein, as approved by the Engineer.

MEDIAN BARRIER - CONNECTION TO F-SHAPE

REVISION 11/01/18

DESCRIPTION:

FDOT

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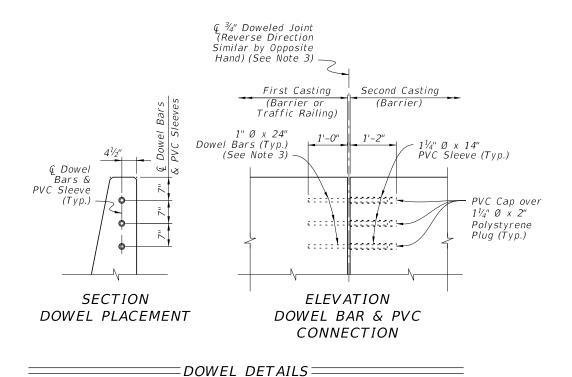
CONCRETE BARRIER

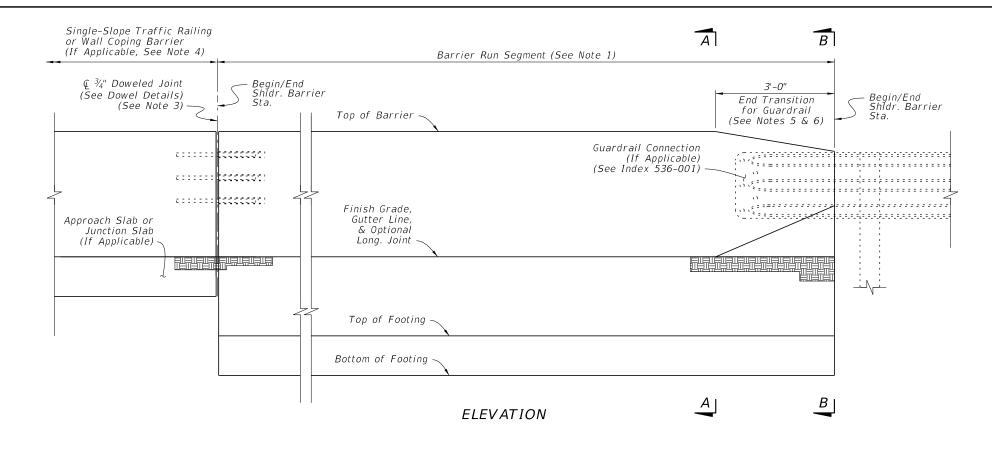
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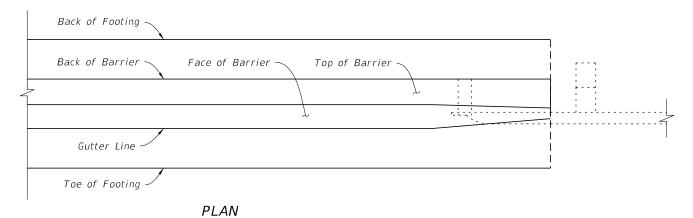
SHEET

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SECTION A-A 38" HEIGHT SHOULDER BARRIER (See Sheet 14 for Reinforcing Steel Details)







SHOULDER BARRIER NOTES:

- 1. BARRIER RUN SEGMENT: Either the 38" Height Shoulder Barrier or the differing Shoulder Barrier sections shown throughout the Index may be placed within this segment as required per the Plans.
- 2. SECTION VIEWS: For additional Views A-A and B-B, see Sheet 14.
- 3. DOWELED JOINTS: See the General Notes on Sheet 1 for usage of joint types. Place steel reinforcing with a longitudinal 3" cover adjacent to the joint face in the barrier. Use ASTM A36 smooth round bars with hot-dip galvanization.

For the dowel connection into the first casting, the dowel may be cast-in-place for new concrete or placed into a $1\frac{1}{8}$ " \times x 13"(\pm $\frac{1}{2}$ ") drilled hole for cured concrete. For drilled holes larger than 11/8"O, secure the dowel with adhesive in accordance with Specification 416. No load testing is required.

For the dowel connection into the second casting, use a $1\frac{1}{4}$ " NPS Schedule 80 PVC pipe with a sealed cap, cast-in-place as shown.

- 4. TRAFFIC RAILING CONNECTIONS: Align the barrier and Traffic Railing faces and connect with the $\frac{3}{4}$ " Doweled Joint.
- 5. GUARDRAIL CONNECTIONS: Connect Guardrail using the Transition Connections to Rigid Barrier per Index 536-001.
- 6. CRASH CUSHION CONNECTIONS: Connect Crash Cushions per Index 544-001 in conjunction with the 3'-0" End Transition for Guardrail as shown herein.
- 7. FREE ENDS: When the barrier end does not terminate with a Traffic Railing Connection, Guardrail Connection, or Crash Cushion Connection as called for in the Plans, terminate in accordance with the Free End Reinforcing Note on Sheet 14.

SHOULDER BARRIER

REVISION 11/01/24

DESCRIPTION:

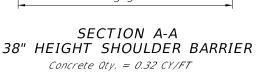
FDOT

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CONCRETE BARRIER

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Steel Qty. = 50.9 LB/FT

VIEW B-B REDUCED SECTION OF END TRANSITION FOR GUARDRAIL (End of Barrier)

61/8"

Bars 5V2 @ 6" Sp. (Field Bend Top & Cut Bottom to Lap

Shoulder

Pavement

No. 5 Bars

3" Cover (Typ.)

Top, & Sides)

(Footing Bottom,

@ 6" Sp.

with Bars 5U3)

Cover Varies (Diagonal Segment

2½" Cover

2" Cover (Min.)

1'-0"

(Toe)

8⁷/8"

No. 4 Bars Tapered Down with Barrier Height

No. 4 Bars

2'-0" Min.

Optional

Joints

Longitudinal

@ 8" Sp. Max. (Typ.)

1:10 Max.

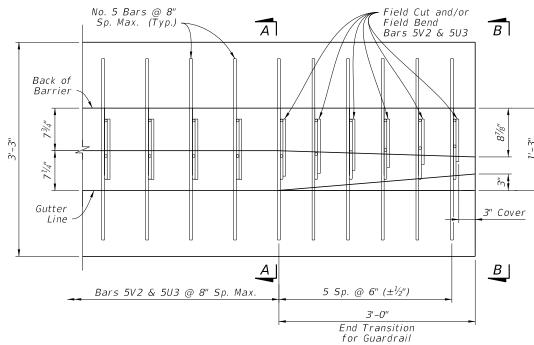
Bars 5U3 @ 6" Sp. (Field Bend Bottom

to Align with Bars 5V2)

2" Cover

NOTES:

- 1. GENERAL: Work with the Plan and Elevation Views on Sheet 13. The Section Option footings shown on Sheet 15 may be substituted where called for in
- 2. FREE END REINFORCING: Where shown in the Plans, terminate the 38" Height Barrier section with a transverse vertical end face. Reduce the spacing of Bars 5V2 and 5U3 to 6" for 5 Spaces, placed with 3" cover from the barrier's end face.
- 3. BAR BENDING DIAGRAMS: For additional details for bars 5V2 and 5U3, see the Bar Bending Diagrams on Sheet 26.



PLAN VIEW - END SEGMENT FOR GUARDRAIL CONNECTION (Longitudinal Steel Not Shown for Clarity)

SHOULDER BARRIER - REINFORCING DETAILS

REVISION 11/01/18

DESCRIPTION:

FDOT

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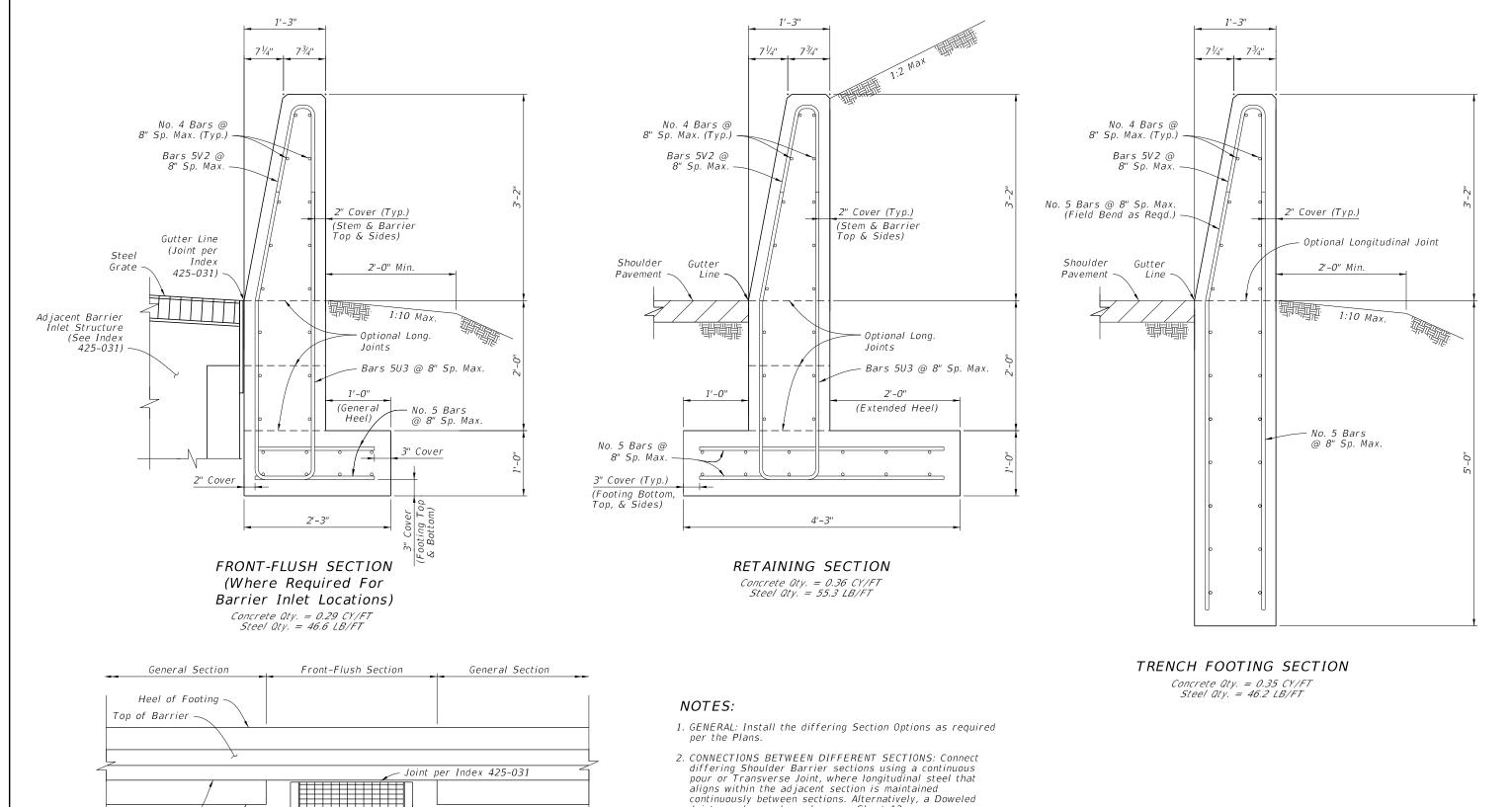
CONCRETE BARRIER

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- Joint may be used as shown on Sheet 13.
- 3. FLUSH RETAINING SECTION COMBINATION: Where Barrier Inlets are required in retaining segments, install the Flush Section, except replace the 1'-0" General Heel with the 2'-0" Extended Heel as shown in the Retaining Section. Use longer lateral reinforcing bars of 2'-10" length to maintain the cover shown.

SHOULDER BARRIER - SECTION OPTIONS

REVISION 11/01/19 Gutter Line

DESCRIPTION:

Toe of Footing

FDOT

Adjacent Barrier

per Index 425-031

Inlet Structure

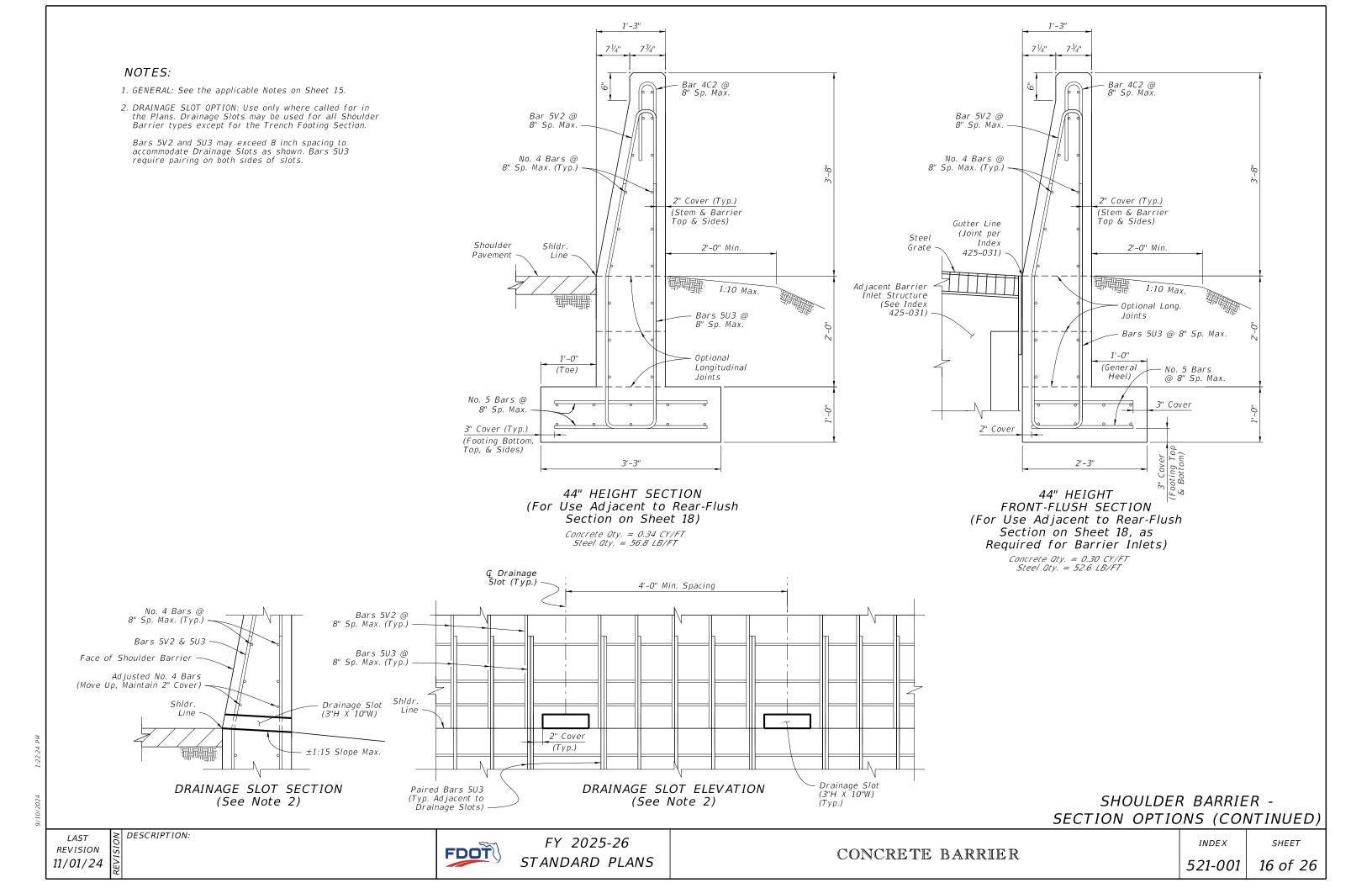
FRONT-FLUSH SECTION - PLAN VIEW (Not Applicable for Trench Footing Sections)

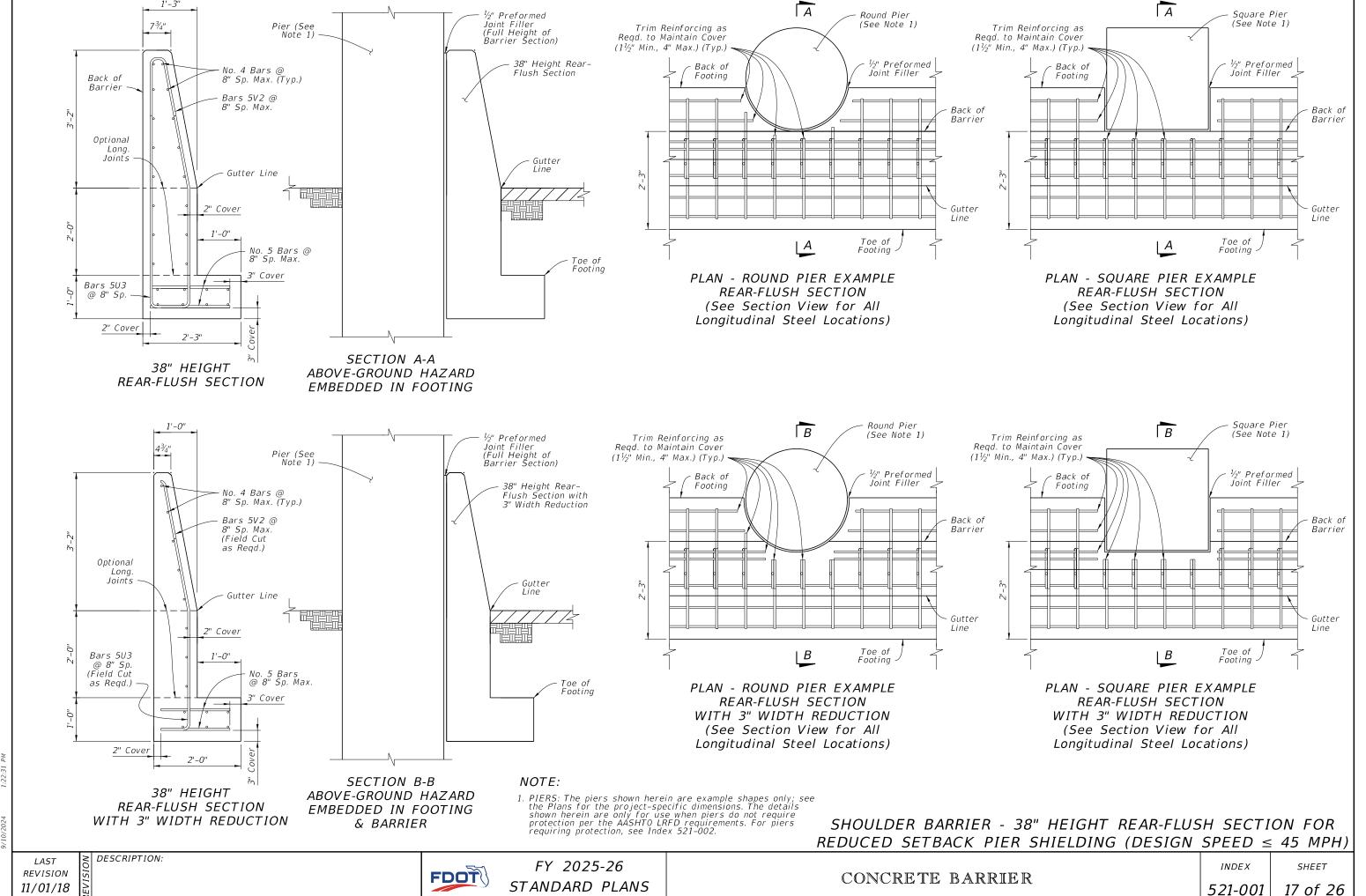
> FY 2025-26 STANDARD PLANS

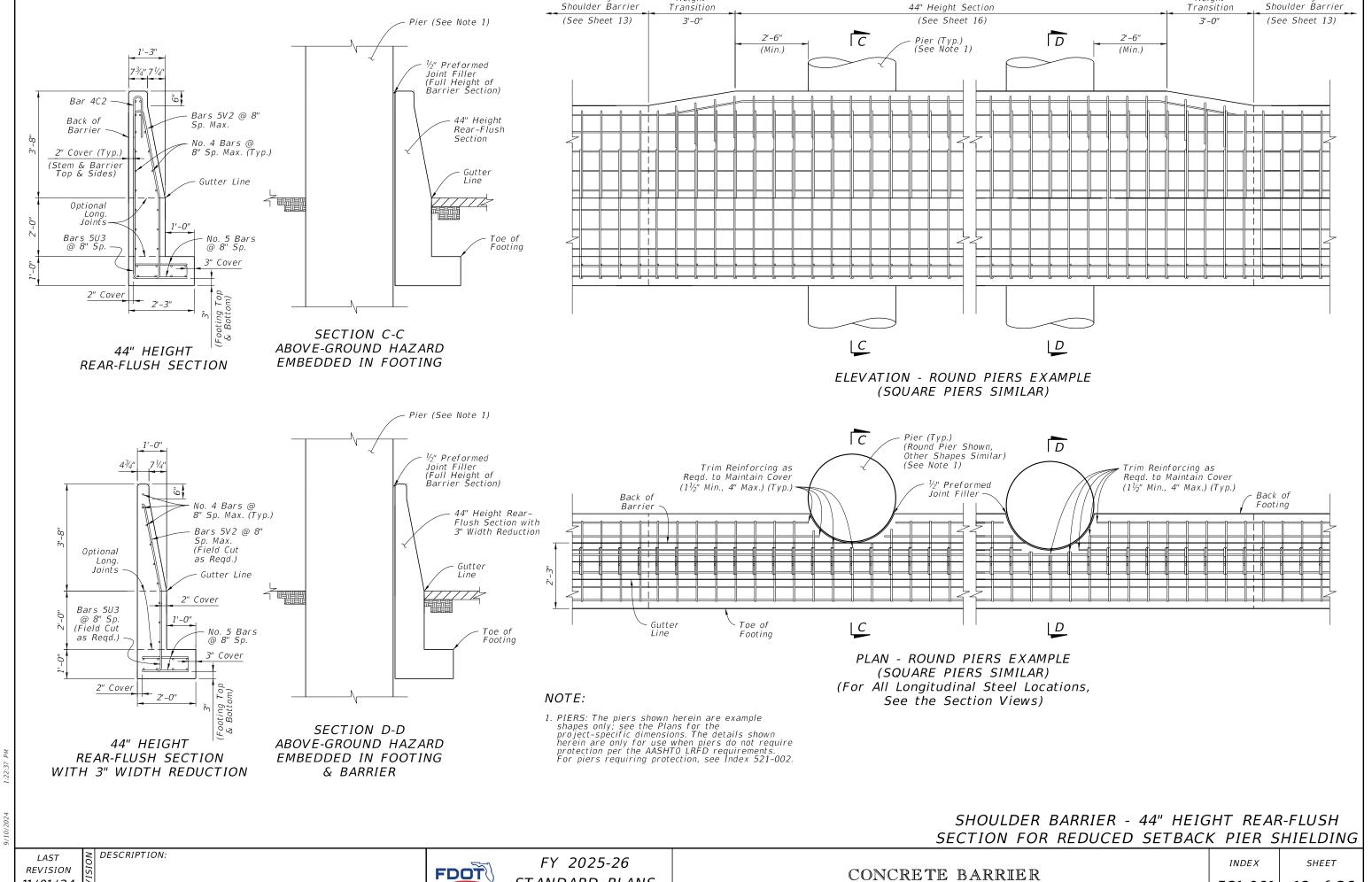
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CONCRETE BARRIER

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Height

38" Height

Height

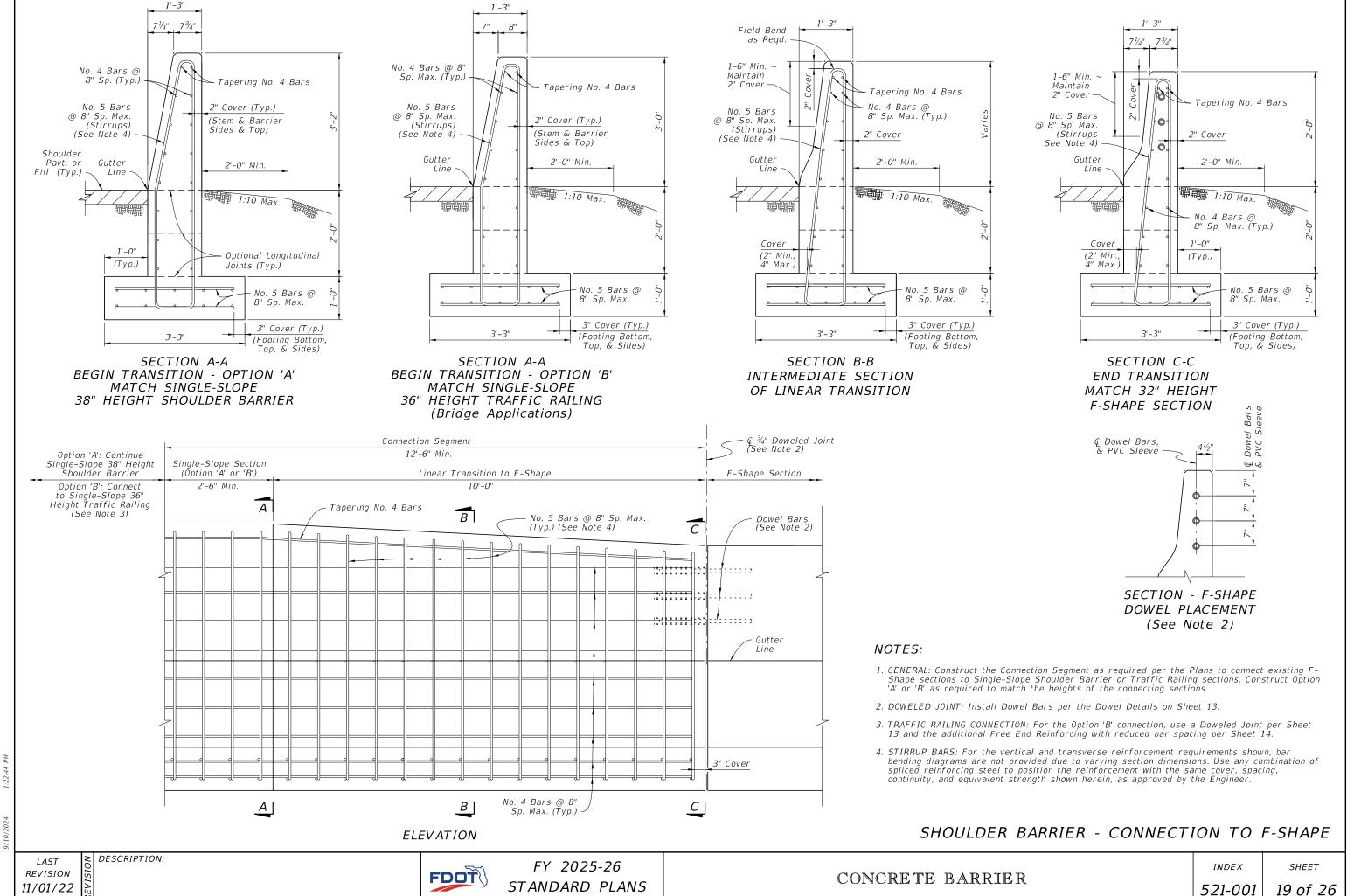
521-001

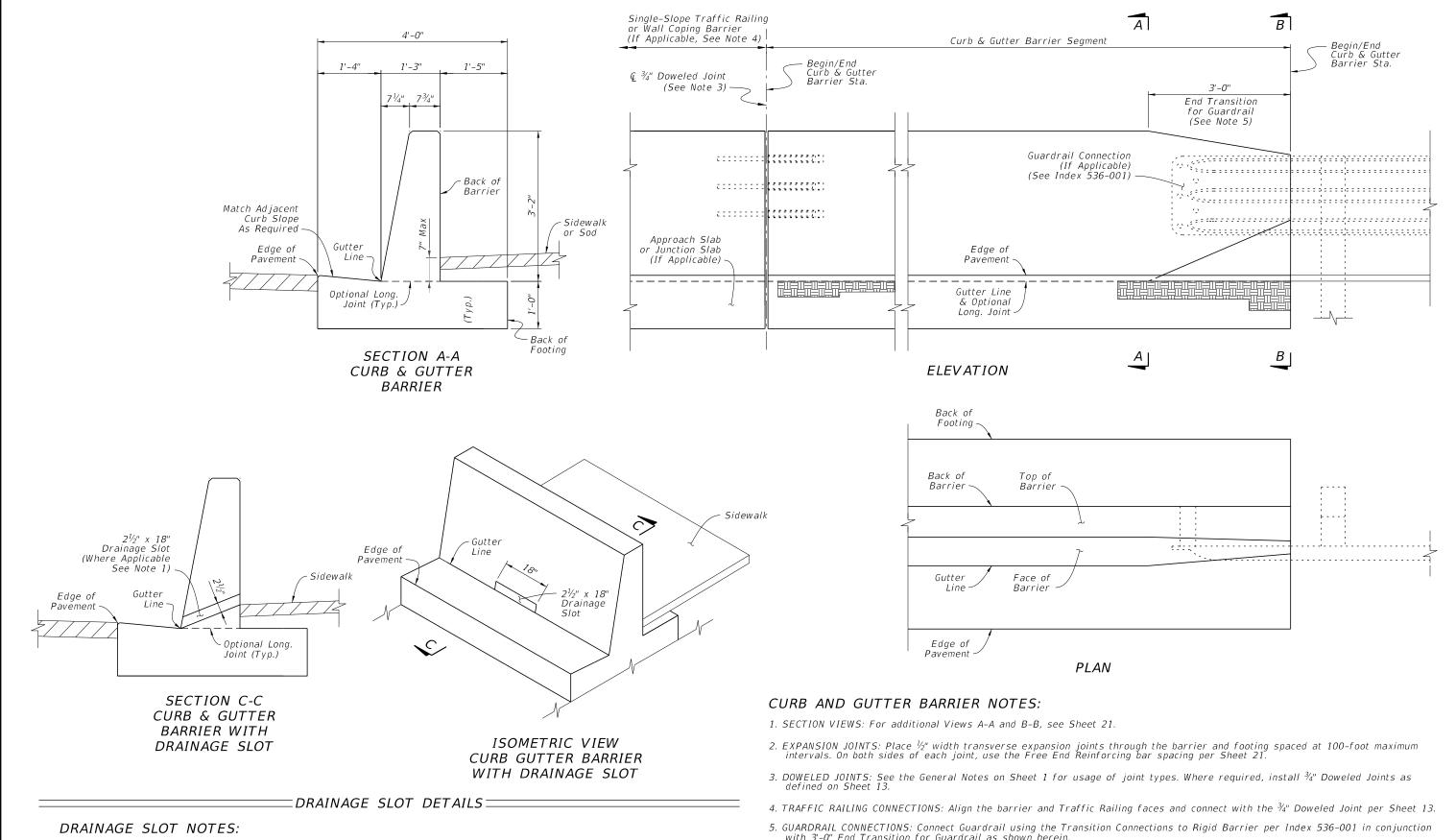
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38" Height

STANDARD PLANS

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- 1. GENERAL: Place $2^{\frac{1}{2}}$ " x 18" Drainage Slots at locations and/or spacing called for in the Plans. The minimum spacing is 20 feet.
- 2. STEEL REINFORCEMENT CONFLICT: When the Drainage Slot encounters a conflict with reinforcing steel, shift or cut the reinforcing steel to provide $2\frac{1}{2}$ "($\pm \frac{1}{2}$ ") of concrete cover for the reinforcing around the Drainage Slot. If cutting the vertical bars, maintain 8" bar spacing. If shifting the vertical bars, move the bars from the standard 8" spacing location to the closest end of the drainage slot (distributing additional vertical reinforcement evenly on each side of the Drainage Slot).
- with 3'-0" End Transition for Guardrail as shown herein.
- 6. FREE ENDS: When the barrier end does not terminate with a Traffic Railing connection or Guardrail connection as called for in the Plans, terminate the barrier in accordance with the Free End Reinforcing Note on Sheet 21.

CURB AND GUTTER BARRIER

LAST REVISION 11/01/24

DESCRIPTION:

FDOT

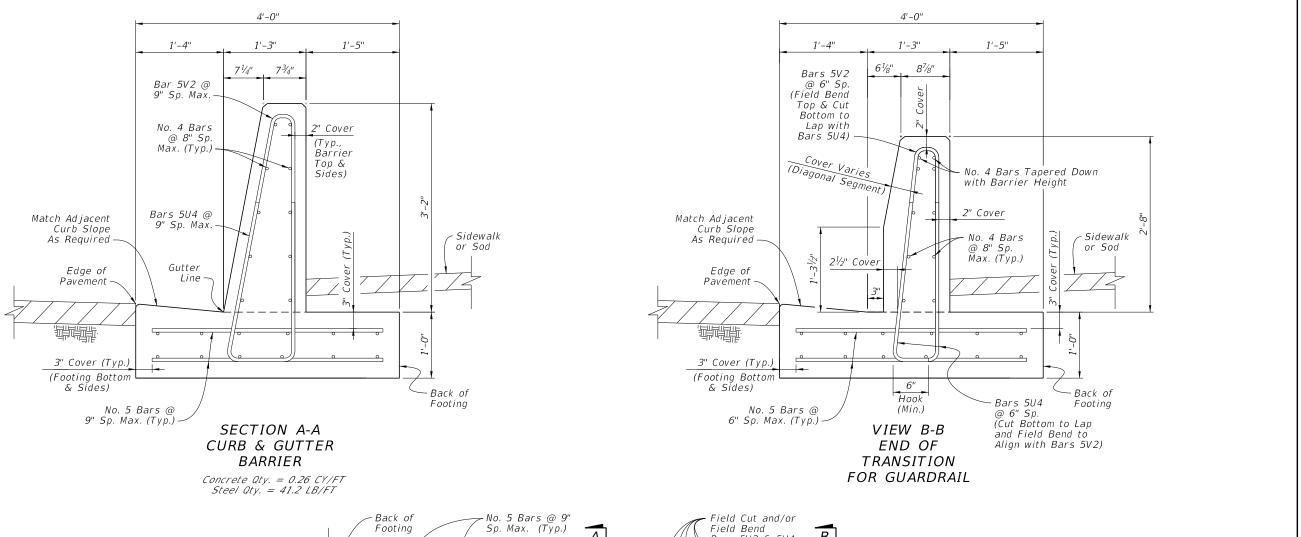
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CONCRETE BARRIER

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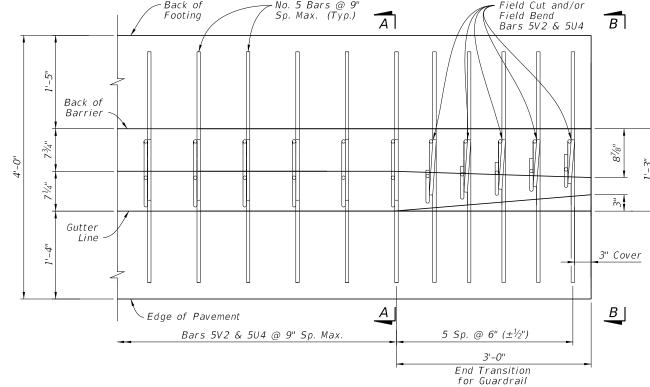
521-001





DESCRIPTION:

- 1. GENERAL: Work with the Plan and Elevation Views on Sheet 20.
- 2. FREE END REINFORCING: Where shown in the Plans, terminate the 38" Curb & Gutter Barrier section with a transverse vertical end face. Reduce the spacing of Bars 5V2 and 5U4 to 6" for 5 Spaces, placed with 3" cover from the barrier's end face.
- 3. BAR BENDING DIAGRAMS: For additional details for bars 5V2 and 5U4, see the Bar Bending Diagrams on Sheet 26.



PLAN VIEW - END SEGMENT FOR GUARDRAIL CONNECTION (Longitudinal Steel Not Shown for Clarity)

CURB AND GUTTER BARRIER -REINFORCING DETAILS

LAST REVISION 11/01/18

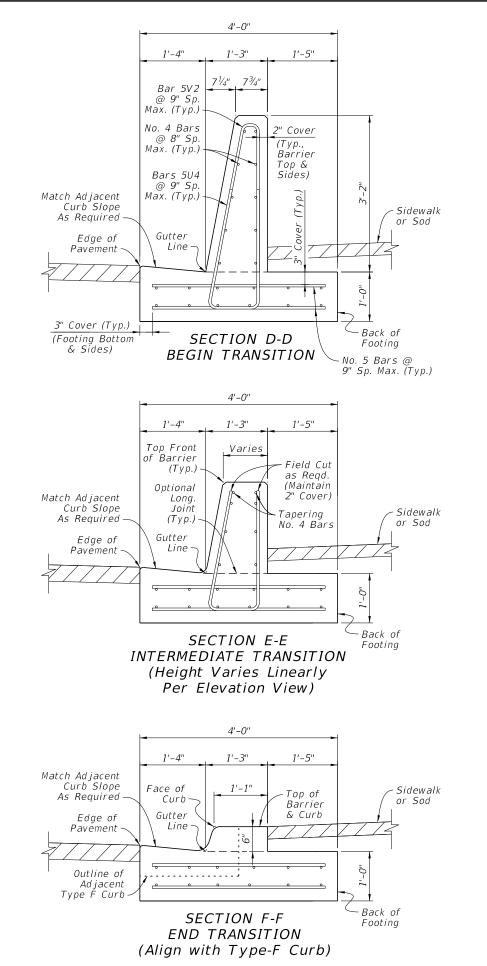
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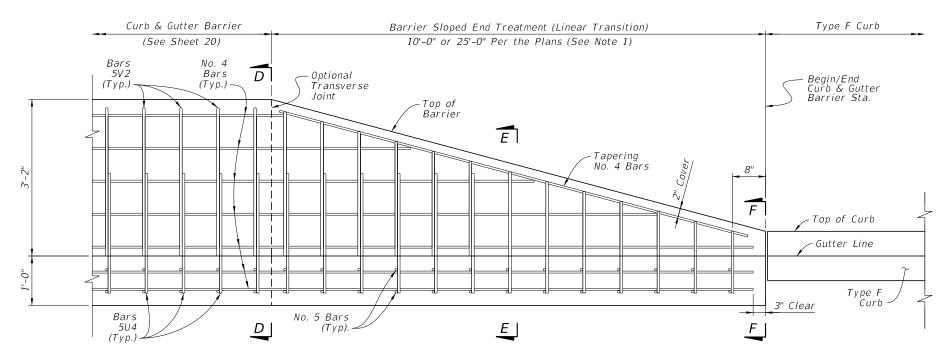
FY 2025-26
STANDARD PLANS

CONCRETE BARRIER

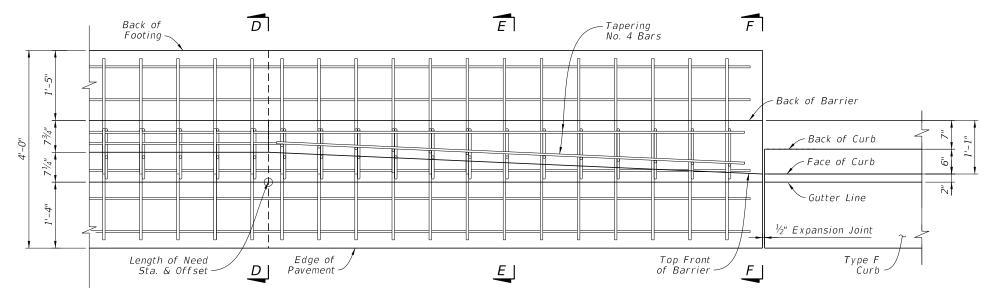
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ELEVATION - CURB AND GUTTER BARRIER
SHOWING SLOPED END TREATMENT
(Approach and Trailing
End Similar by Opposite Hand)



PLAN - CURB AND GUTTER BARRIER SHOWING SLOPED END TREATMENT (Approach and Trailing End Similar by Opposite Hand; See Sections for All Longitudinal Steel Locations)

NOTES:

- 1. GENERAL: Install a Sloped End Treatment only where called for in the Plans, using either a 10'-0" length or 25'-0" length treatment as specified in the Plans. The 10'-0" length option is shown herein, while the 25'-0" length option requires additional trimmed Bars 5U4 & 5V2 at the same 9" longitudinal spacing.
- 2. BAR BENDING DIAGRAMS: For additional details on Bars 5V2 & 5U4, see the Bar Bending Diagrams on Sheet 26.

CURB AND GUTTER BARRIER - SLOPED END TREATMENT

LAST REVISION IN 11/01/18 DESCRIPTION:

FDOT

FY 2025-26 STANDARD PLANS

CONCERT RAPPIED

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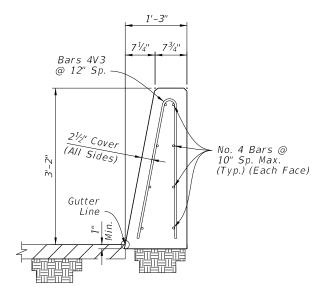
CONCRETE BARRIER

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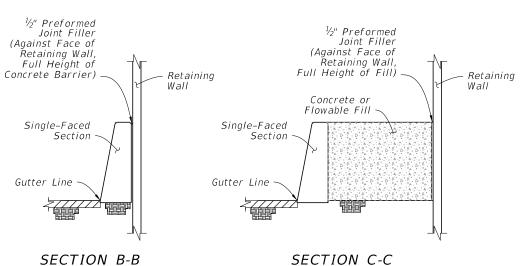
PLAN(See Section A-A for Barrier Reinforcing)

FLUSH

SEGMENT



SECTION A-A 38" HEIGHT SINGLE-FACED SECTION (Reverse Side Similar by Opposite Hand)



Retaining 1/2" Preformed Wall Joint Filler (Typ.) 6" Min (Full Periméter Min. of Pedestal, Full Height of Fill) ½" Preformed Joint Filler (Against Face of Single-Faced Retaining Wall, Full Height of Section Concrete Concrete Fill) Flowable Gutter Line - Overhead Sign Support Pedestal (Project-Specific) SECTION D-D OVERHEAD SIGN

SUPPORT

Overhead Sign Support

(Project-Specific)

NOTES:

DESCRIPTION:

- 1. TAPER SEGMENTS AND OFFSET SEGMENT: The plan view shown is an example only, showing general geometry for the taper segments and offset segment. For the actual segment lengths and corresponding taper rates required, see the barrier placement
- 2. OVERHEAD SIGN SUPPORT: The overhead sign support shown is an example only; see the Plans for the project-specific dimensions and requirements if applicable.
- 3. CONNECTION TO SHOULDER BARRIER SECTIONS: Connect to Shoulder Barrier sections using a continuous pour or Transverse Joint, where longitudinal steel that aligns within the adjacent section is maintained continuously between sections or has a full lap splice with the adjacent section's longitudinal steel.
- 4. FREE ENDS: Where shown in the Plans, terminate the Single-Faced Section with a transverse end face. Place a stirrup bar with a 3" cover from the end face. Place longitudinal bars with a 3" cover from the end face.

OFFSET

SEGMENT

5. CONCRETE OR FLOWABLE FILL: Use Class NS Concrete in accordance with Specification 347 or Non-Excavatable Flowable Fill in accordance with Specification 121.

> WALL SHIELDING BARRIER -38" HEIGHT SECTION -APPROACH & TRAILING TRANSITION

REVISION 11/01/18

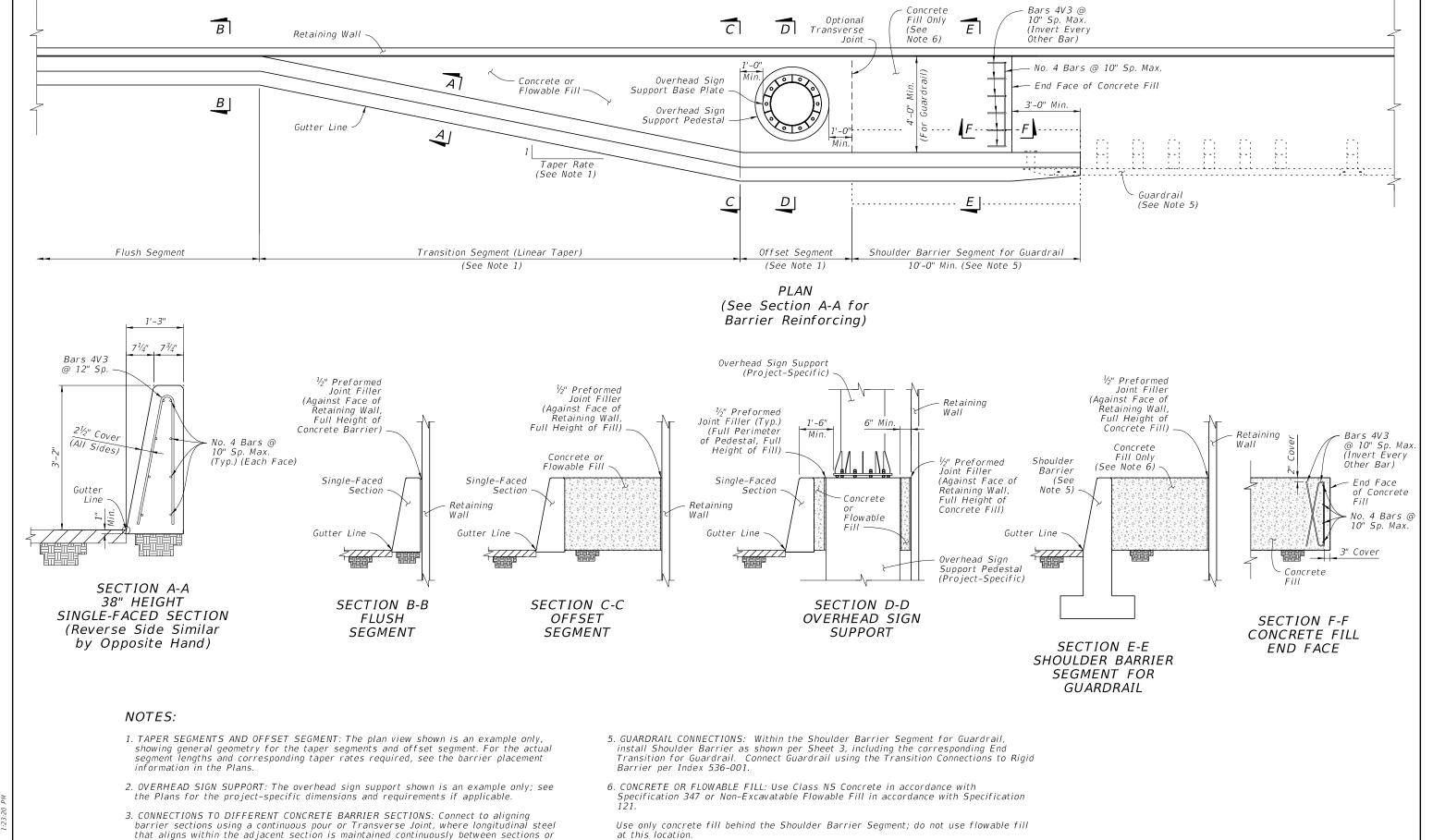
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LAST O DESCRIPTION:
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has a full lap splice with the adjacent section's longitudinal steel.

longitudinal bars with a 3" cover from the end face.

4. FREE ENDS: Where shown in the Plans, terminate the Single-Faced Section with a transverse end face. Place a stirrup bar with a 3" cover from the end face. Place

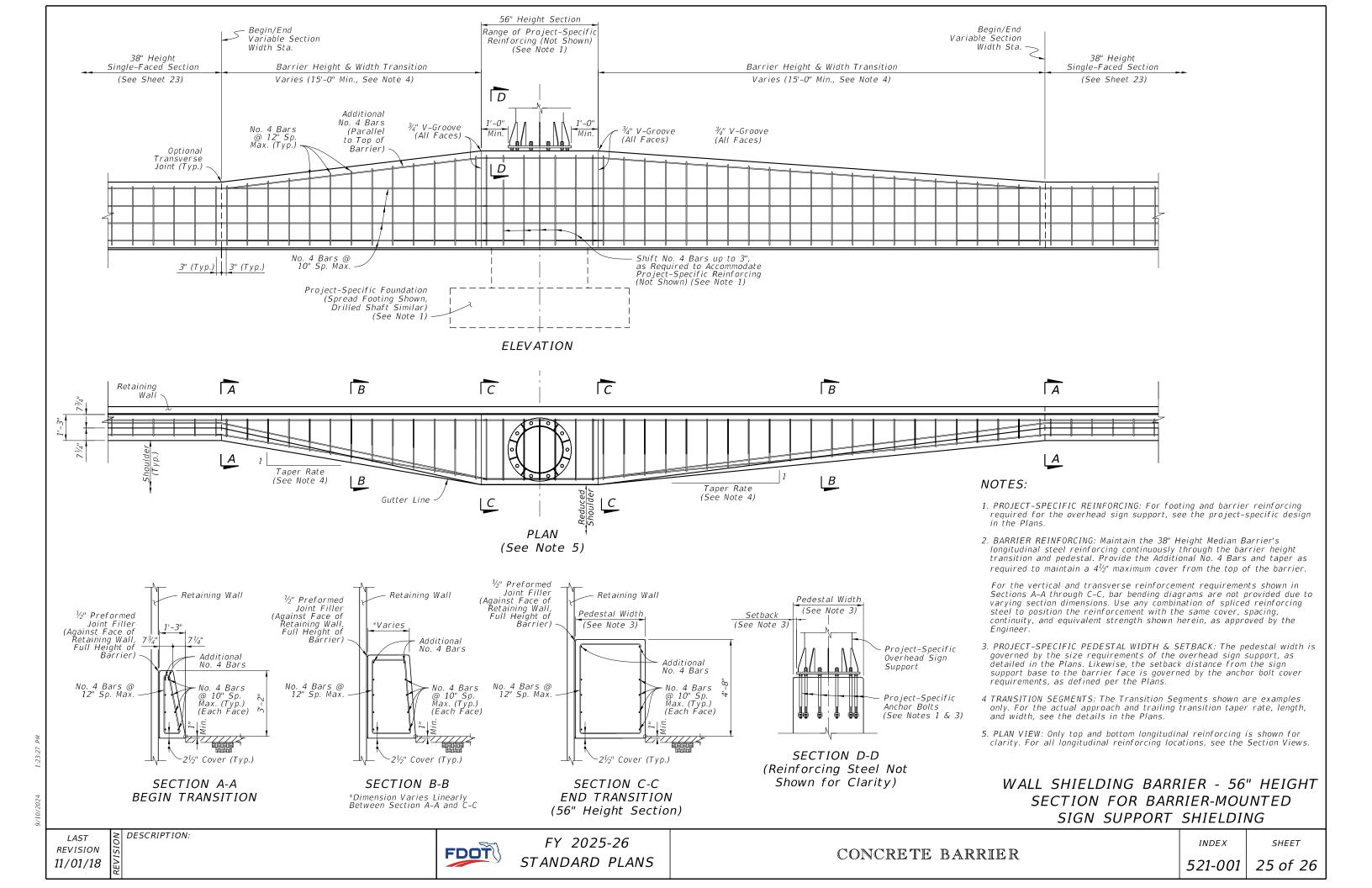
FY 2025-26 STANDARD PLANS WALL SHIELDING BARRIER -38" HEIGHT SECTION -GUARDRAIL CONNECTION

CONCRETE BARRIER

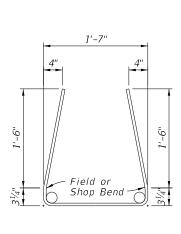
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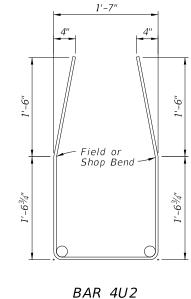
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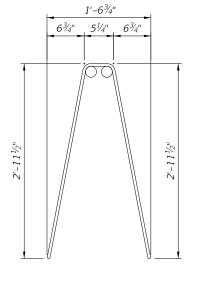


BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
C1	4	3'-8"
C2	4	3'-0"
U1	4	5'-1"
U2	4	7'-8"
U3	5	9'-7"
U4	5	5'-9"
V1	4	6'-4"
V2	5	6'-3"
V3	4	5'-10"
	-	-

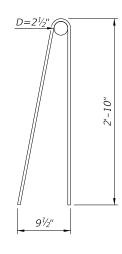


BARS 4U1





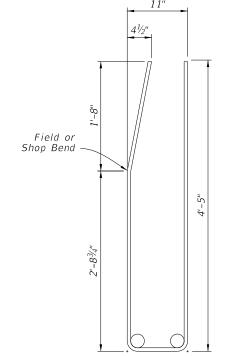




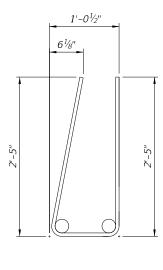
BAR 4V3 BAR 4V1

NOTES:

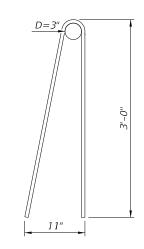
- 1. Work with the Standard Bar Bending Details per Index 415-001.
- 2. All bar dimensions in the bending diagrams are out to out.
- 3. Use standard inner diameters for bar bending unless otherwise shown.
- 4. Bar 4C2 may be substituted with a number 5 bar with the minimum practical inner diameter. If needed for final placement, skew bars about the vertical axis to ensure concrete cover requirements are met.



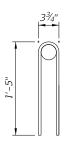




BAR 5U4



BAR 5V2



BAR 4C2

REINFORCING BAR BENDING DIAGRAMS

REVISION 11/01/24

DESCRIPTION: