

**Origination Form**  
Proposed Revisions to a Standard Plans Index

<b>Originator:</b>	Turley, Joshua	<b>Index Number:</b>	521-820
<b>Date:</b>	4/29/2025	<b>Sheet Number(s):</b>	Sheet 2
<b>E-mail:</b>	Joshua.Turley@dot.state.fl.us	<b>Index Title:</b>	27" CONCRETE PARAPET WITH PEDESTRIAN/BICYCLE BULLET RAILING

**Summary of the changes:**

Sheet 2: Added a grout plug option as an alternate detail.

**Commentary/Background:**

Contractors wanted a more constructible and economical option that would still perform the intended function of preventing water to flow out between the open joints.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
FDOT Design Manual		No
Standard Specifications		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

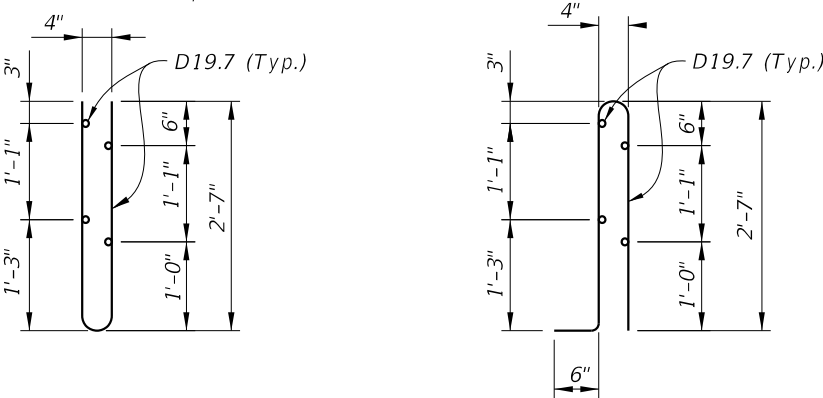
**Implementation**

["FY-Standard Plans (Next Release)"]

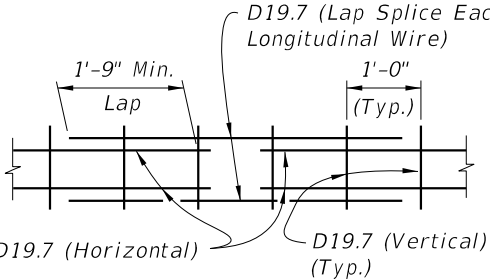
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ALTERNATE REINFORCING (WELDED WIRE REINF.) DETAILS

NOTE: Place wire panels to minimize the end overhang. End Overhangs greater than 4¾" are not permitted.



WELDED WIRE REINFORCEMENT (WWR)

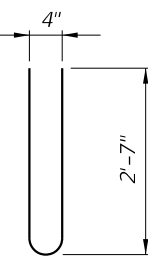


SPLICE DETAIL  
(Between WWR Sections)

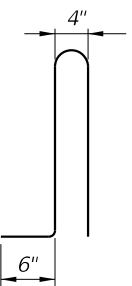
CONVENTIONAL REINFORCING  
STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL

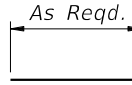
MARK	SIZE	LENGTH
P1	4	5'-6"
P2	4	6'-0"
S	4	As Req'd.



BAR 4P1



BAR 4P2



BAR 4S

REINFORCING STEEL NOTES:

1. All bar dimensions in the bending diagrams are out to out.

2. The reinforcement for the parapet on a retaining wall shall be the same as detailed above for a 8" deck.

3. All reinforcing steel at the open joints shall have a 2" minimum cover.

4. Bars 4S may be continuous or spliced at the construction joints. Bar splices for Bars 4S shall be a minimum of 1'-8".

5. Bars 4P2 may be used in lieu of Bars 4P1.

6. At the option of the Contractor deformed WWR may be used in lieu of all Bars 4P or 4P2 and 4S.

ESTIMATED CONCRETE PARAPET QUANTITIES		
ITEM	UNIT	QUANTITY
Concrete	CY/LF	0.056
Reinforcing Steel (P1 & S)	LB/FT	6.35
Reinforcing Steel (P2 & S)	LB/FT	6.68

(The above quantities are based on a deck with a 2% cross slope)

Option I  
~~DETAIL "A" - SECTION~~  
~~AT INTERMEDIATE OPEN JOINT~~

Option II  
~~DETAIL "A" -~~  
~~SECTION AT OPEN JOINT~~  
(Alternative Mortar Plug at Open Joint)

ALTERNATE REINFORCING (WELDED WIRE REINF.) DETAILS

NOTE: Place wire panels to minimize the end overhang. End Overhangs greater than 4¾" are not permitted.

WELDED WIRE REINFORCEMENT (WWR)

SPLICE DETAIL  
(Between WWR Sections)

CONVENTIONAL REINFORCING  
STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL

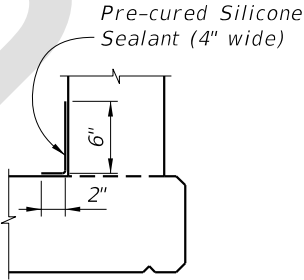
MARK	SIZE	LENGTH
P1	4	5'-6"
P2	4	6'-0"
S	4	As Reqd.

BAR 4P1

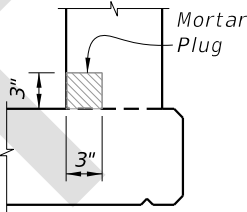
BAR 4P2

BAR 4S

- INTERMEDIATE JOINT SEAL NOTE:
- At Intermediate Open Joints, seal the lower 6" portion of the open joint with Pre-cured Silicone Sealant meeting the requirements of Specification Section 932.
  - Apply sealant prior to any Class V finish coating and remove all curing compound and loose material from the surface prior to application of bonding agent.
  - The cost of the Pre-cured Silicone Sealant shall be included in the Contract Unit Price for the Concrete Parapet.
  - As an alternative option, a mortar plug may be used to seal the joint as shown in the mortar plug detail and in accordance with Specification Section 400.



OPTION I



OPTION II

(Alternative Mortar Plug at Open Joint)

DETAIL "A"

ESTIMATED CONCRETE PARAPET QUANTITIES		
ITEM	UNIT	QUANTITY
Concrete	CY/LF	0.056
Reinforcing Steel (P1 & S)	LB/FT	6.35
Reinforcing Steel (P2 & S)	LB/FT	6.68

(The above quantities are based on a deck with a 2% cross slope)

- REINFORCING STEEL NOTES:
- All bar dimensions in the bending diagrams are out to out.
  - The reinforcement for the parapet on a retaining wall shall be the same as detailed above for a 8" deck.
  - All reinforcing steel at the open joints shall have a 2" minimum cover.
  - Bars 4S may be continuous or spliced at the construction joints. Bar splices for Bars 4S shall be a minimum of 1'-8".
  - Bars 4P2 may be used in lieu of Bars 4P1.
  - At the option of the Contractor deformed WWR may be used in lieu of all Bars 4P or 4P2 and 4S.