

# ORIGINATION FORM

Proposed Revisions to a Standard Plans Index  
(Please provide all information – Incomplete forms will be returned)

## Contact Information:

Date: July 31, 2019  
Originator: Richard Stepp  
Phone: (850) 414-4313  
Email: richard.stepp@dot.state.fl.us

## Standard Plans:

Index Number: 521-001  
Sheet Number (s): 15-16  
Index Title: Concrete Barrier

## Summary of the changes:

-Sheets 15 & 16: Change "Shoulder Barrier Inlet" to "Adjacent Barrier Inlet" callout

## Commentary / Background:

### Other Affected Offices / Documents: (Provide name of responsible personnel)

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Standard Plans –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FDOT Design Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Basis of Estimates Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standard Specifications –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

### Origination Package Includes: (Email or hand deliver package to Derwood Sheppard)

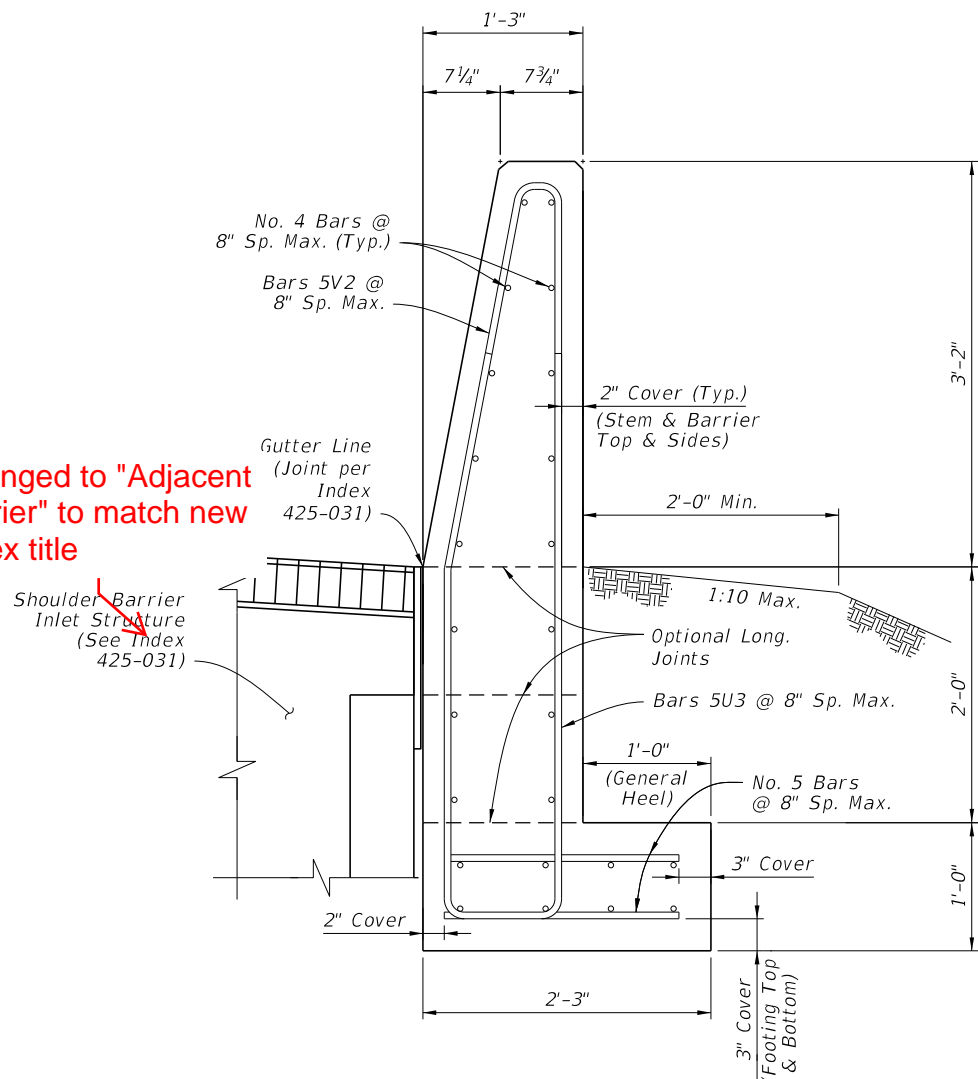
Yes	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Standard Plan Instructions (SPI)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Revised SPI
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Support Documents

## Implementation:

Design Bulletin (Interim)    DCE Memo    Program Mgmt. Bulletin    FY-Standard Plans (Next Release)

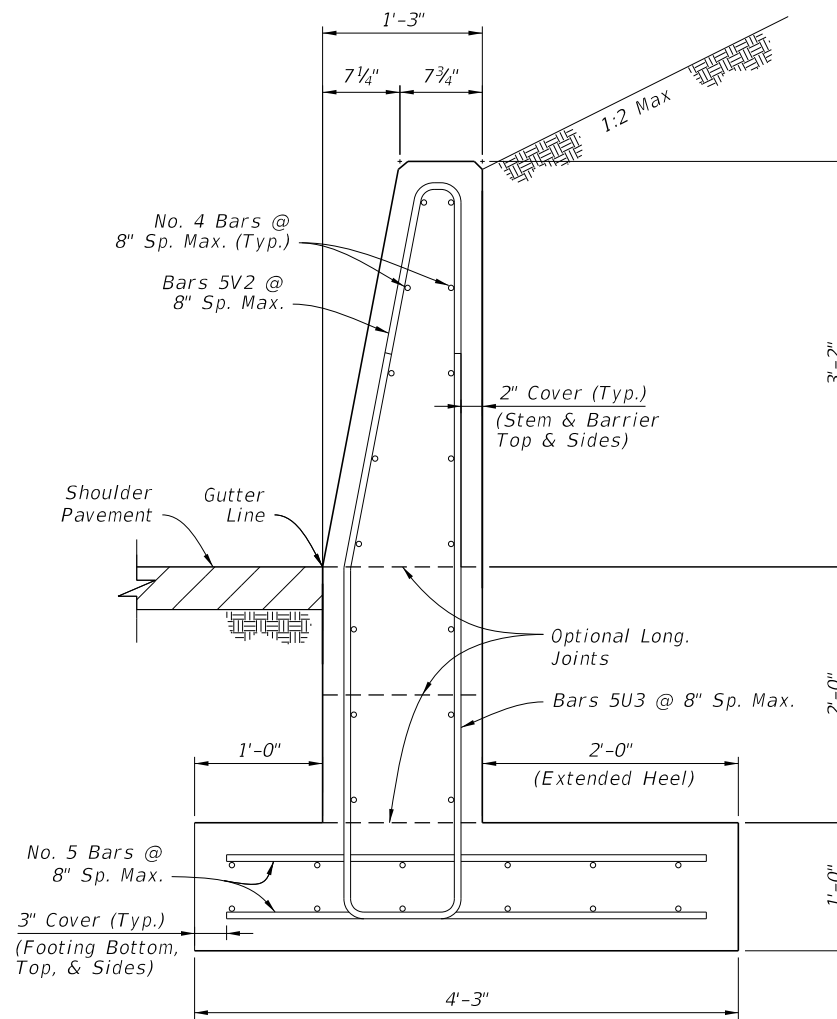
————— **Contact the Roadway Design Office for assistance in completing this form** —————

Changed to "Adjacent Barrier" to match new Index title



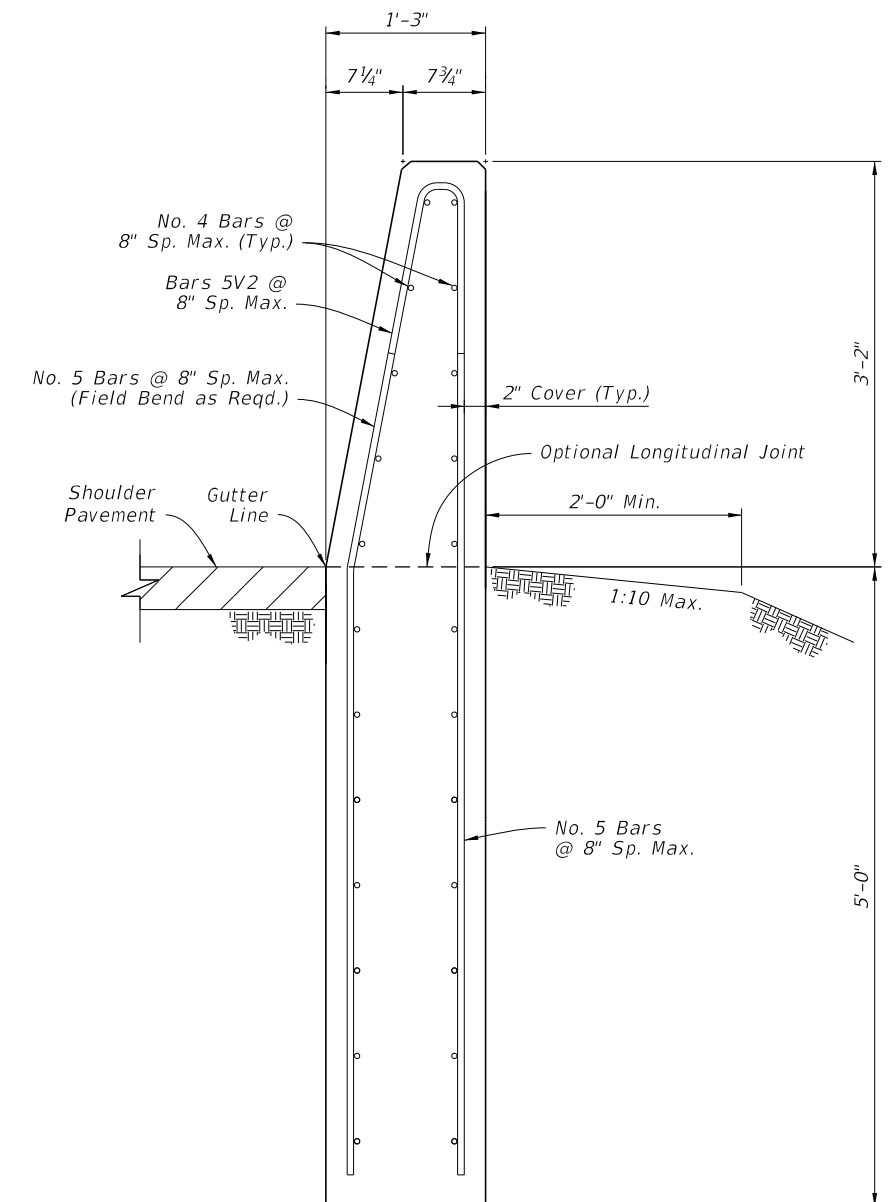
**FRONT-FLUSH SECTION**  
(Where Required For Barrier Inlet Locations)

Concrete Qty. = 0.29 CY/FT  
Steel Qty. = 46.6 LB/FT



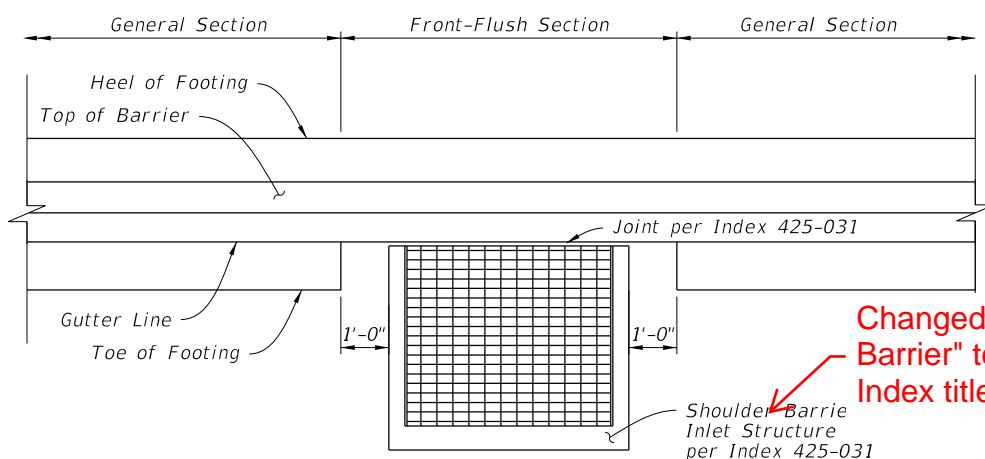
**RETAINING SECTION**

Concrete Qty. = 0.36 CY/FT  
Steel Qty. = 55.3 LB/FT



**TRENCH FOOTING SECTION**

Concrete Qty. = 0.35 CY/FT  
Steel Qty. = 46.2 LB/FT



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

Changed to "Adjacent Barrier" to match new Index title

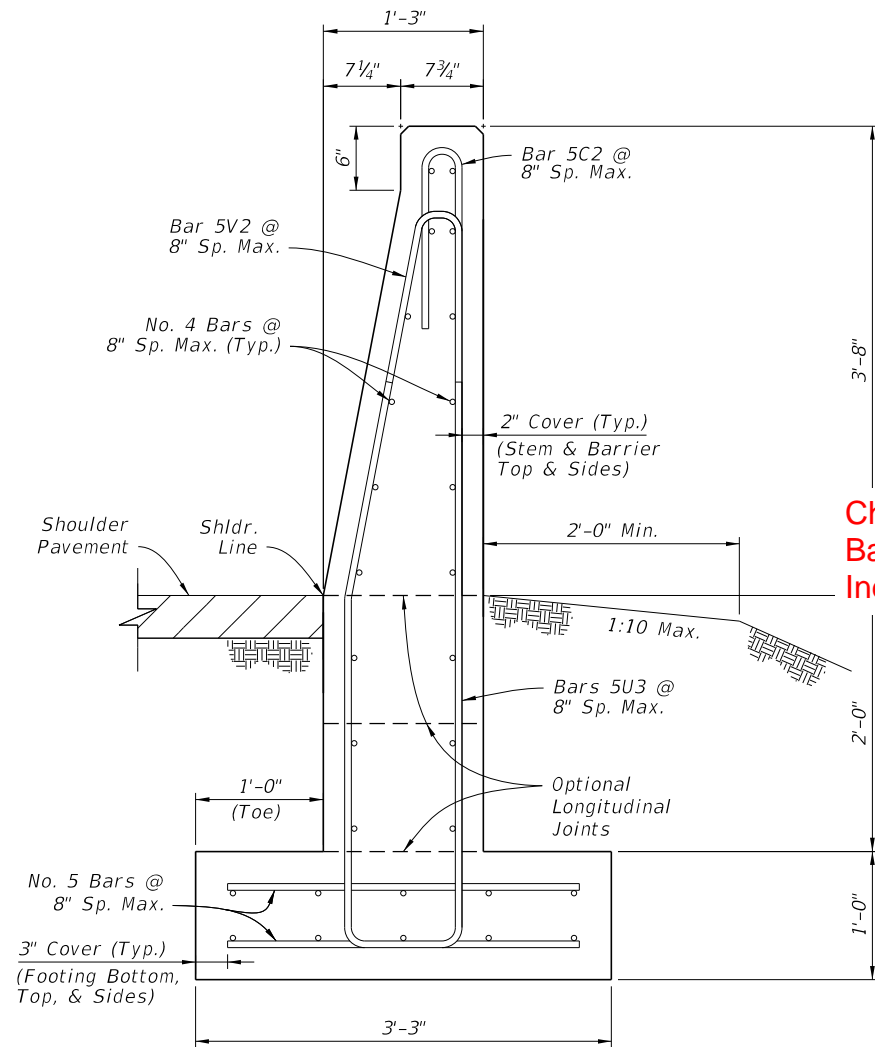
**NOTES:**

1. GENERAL: Install the differing Section Options as required per the Plans.
  2. CONNECTIONS BETWEEN DIFFERENT SECTIONS: Connect differing Shoulder Barrier sections using a continuous pour or Transverse Joint, where longitudinal steel that aligns within the adjacent section is maintained continuously between sections. Alternatively, a Doweled Joint may be used as shown on Sheet 13.
- FRONT-FLUSH RETAINING SECTION COMBINATION:** Where Barrier Inlets are required in retaining segments, install the Front-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**

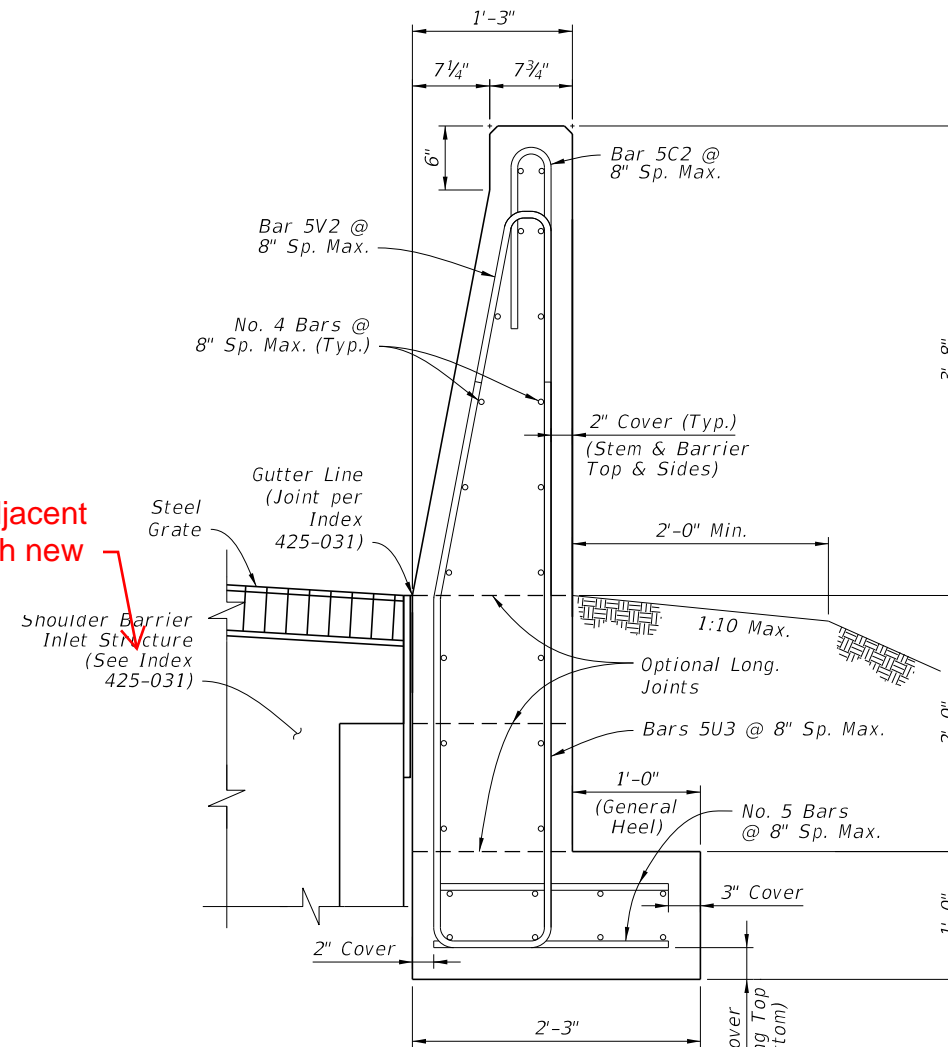
10/18/2018 11:14:52 AM

LAST REVISION	DESCRIPTION:
<del>11/01/18</del>	<del>11/01/18</del>
11/01/19	11/01/19



**44" HEIGHT SECTION**  
(For Use Adjacent to Rear-Flush  
Section on Sheet 18)

Concrete Qty. = 0.34 CY/FT  
Steel Qty. = 56.8 LB/FT



**44" HEIGHT FRONT-FLUSH SECTION**  
(For Use Adjacent to Rear-Flush  
Section on Sheet 18, as  
Required for Barrier Inlets)

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


Changed to "Adjacent  
Barrier" to match new  
Index title

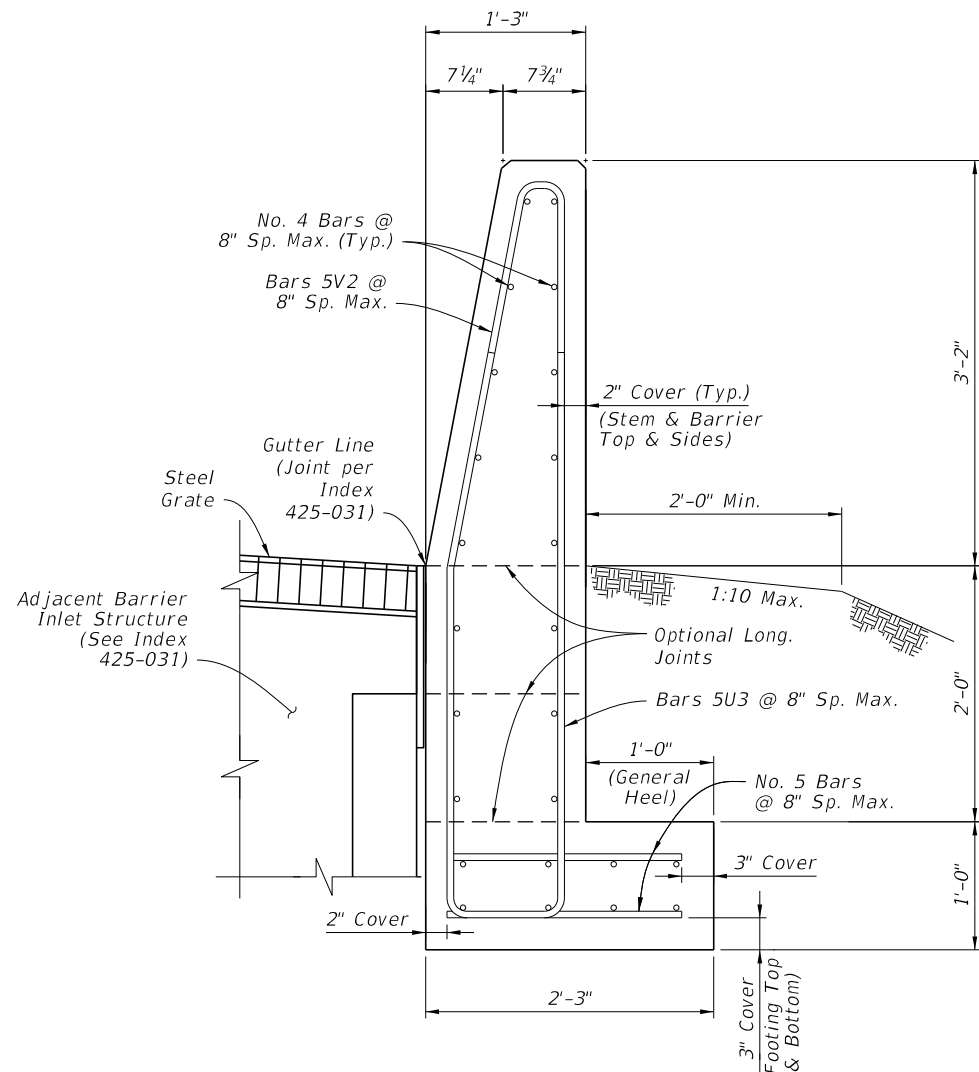
**NOTE:**

1. GENERAL: See the applicable Notes on Sheet 15.

**SHOULDER BARRIER - SECTION OPTIONS (CONTINUED)**

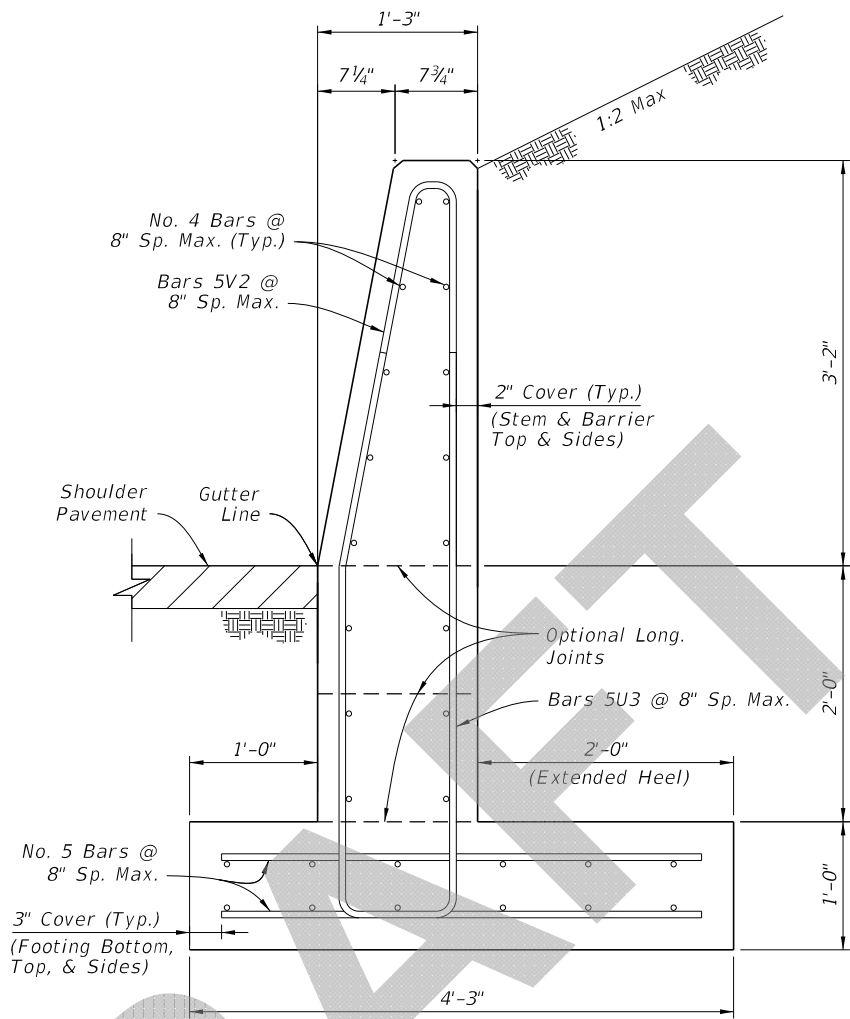
10/18/2018 11:14:52 AM

LAST REVISION	DESCRIPTION:	 <b>FY 2019-20 STANDARD PLANS</b>	<b>CONCRETE BARRIER</b>	INDEX	SHEET
<del>11/01/18</del> 11/01/19				521-001	16 of 26



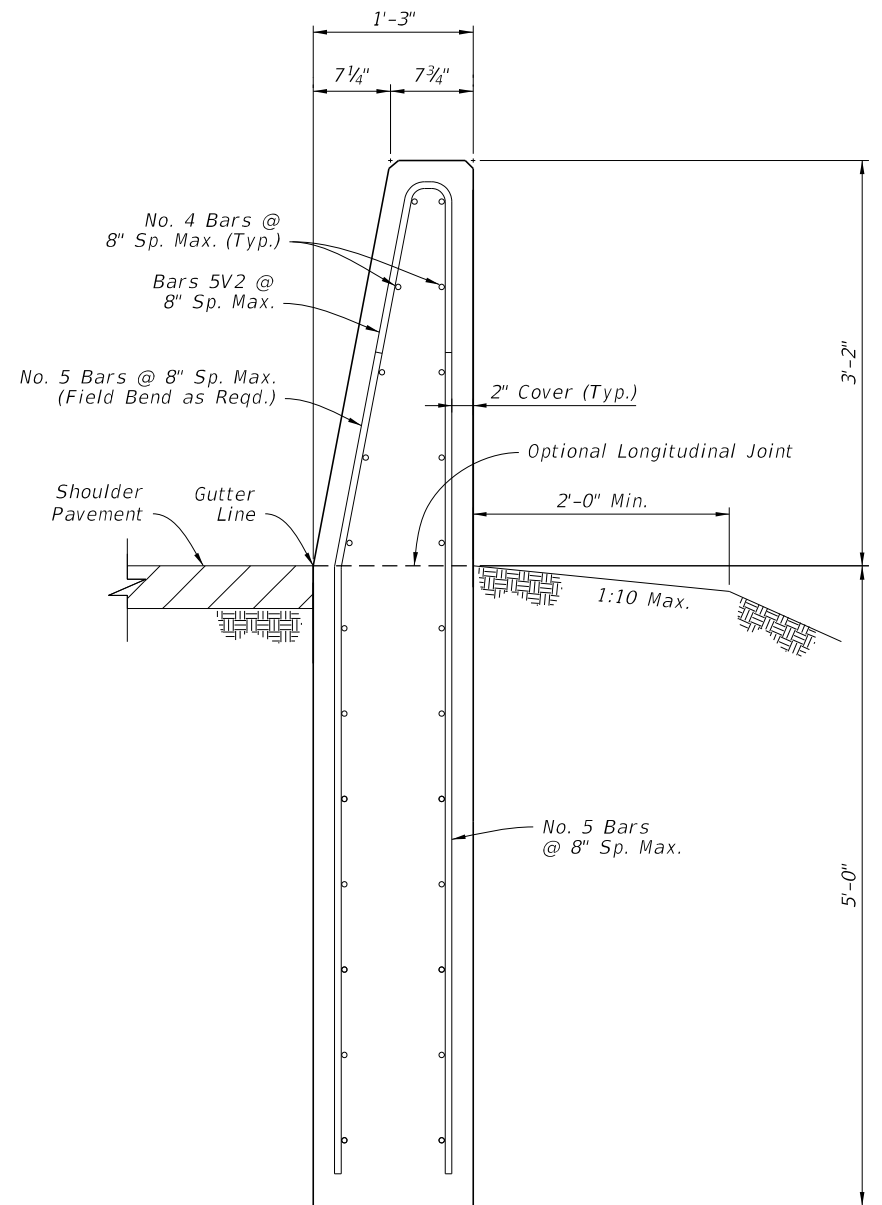
**FRONT-FLUSH SECTION**  
(Where Required For  
Barrier Inlet Locations)

Concrete Qty. = 0.29 CY/FT  
Steel Qty. = 46.6 LB/FT



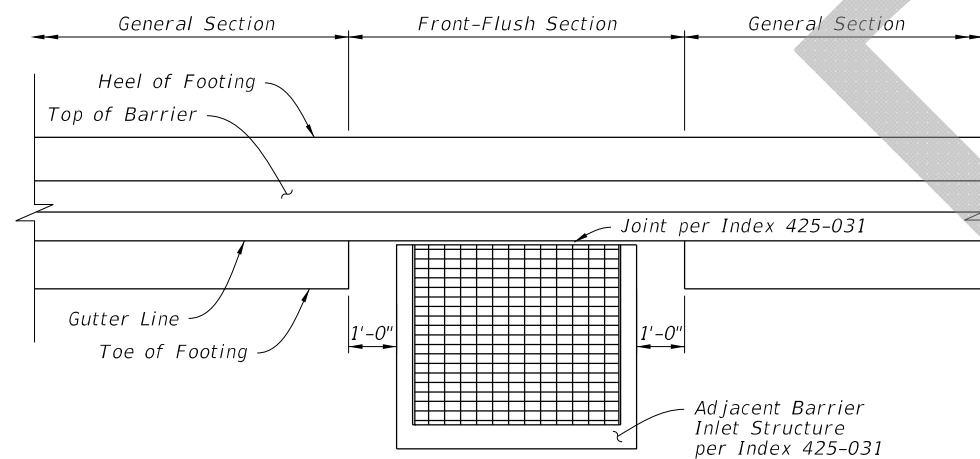
**RETAINING SECTION**

Concrete Qty. = 0.36 CY/FT  
Steel Qty. = 55.3 LB/FT



**TRENCH FOOTING SECTION**

Concrete Qty. = 0.35 CY/FT  
Steel Qty. = 46.2 LB/FT




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

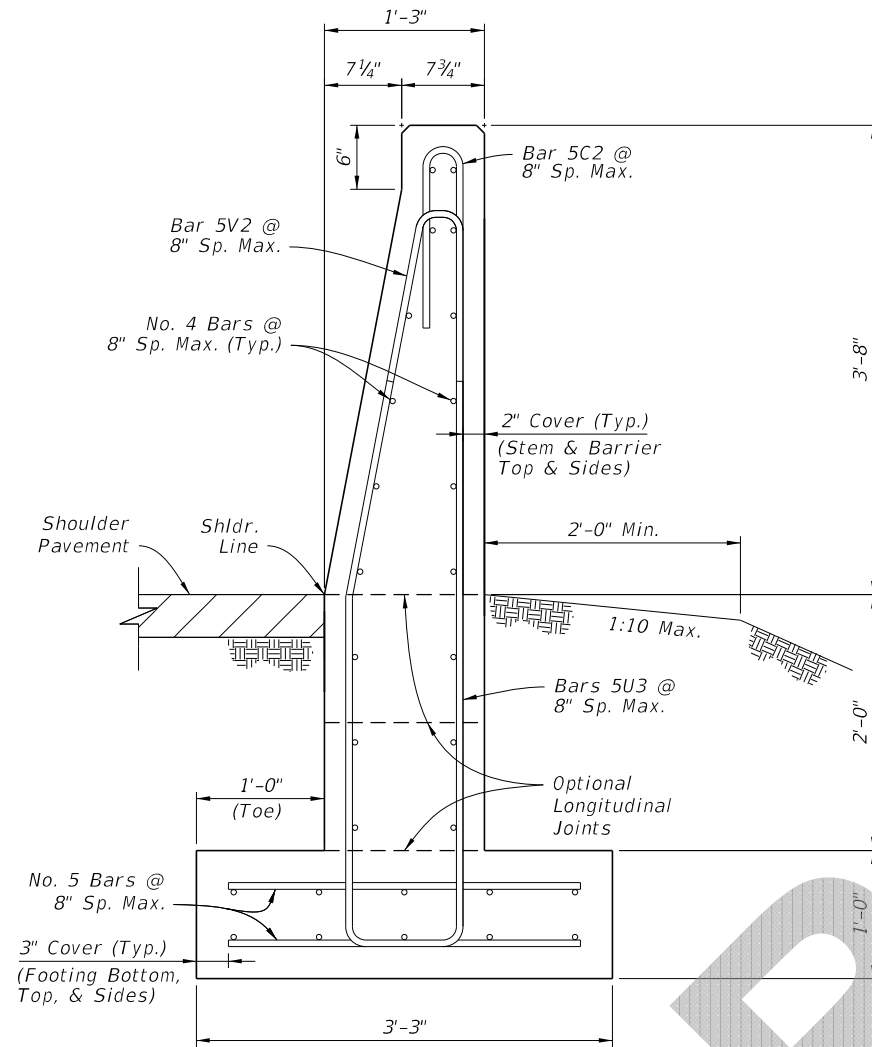
**NOTES:**

1. GENERAL: Install the differing Section Options as required per the Plans.
2. CONNECTIONS BETWEEN DIFFERENT SECTIONS: Connect differing Shoulder Barrier sections using a continuous pour or Transverse Joint, where longitudinal steel that aligns within the adjacent section is maintained continuously between sections. Alternatively, a Doweled 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**

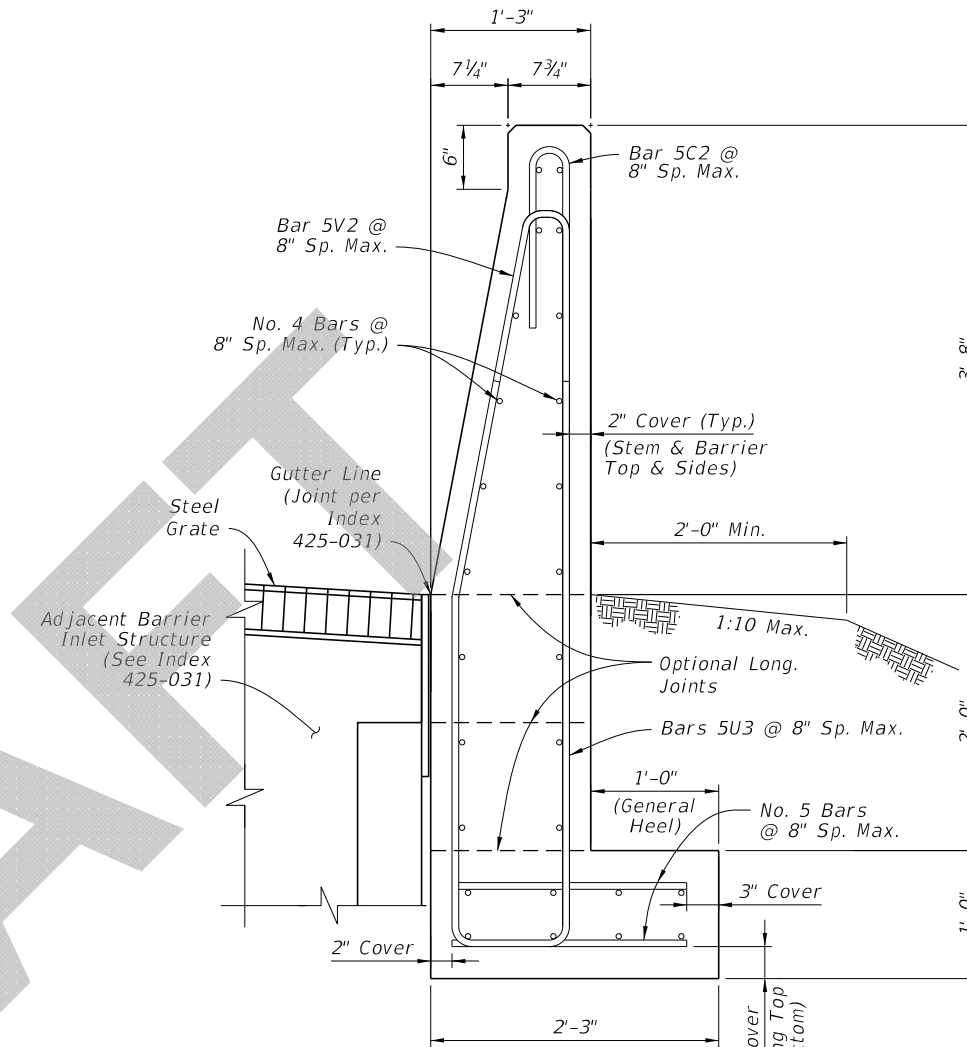
8/29/2019 9:36:24 AM

LAST REVISION 11/01/19	REVISION	DESCRIPTION:	 <b>FY 2020-21 STANDARD PLANS</b>	<b>CONCRETE BARRIER</b>	INDEX <b>521-001</b>	SHEET <b>15 of 26</b>
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**44" HEIGHT SECTION**  
 (For Use Adjacent to Rear-Flush Section on Sheet 18)

Concrete Qty. = 0.34 CY/FT  
 Steel Qty. = 56.8 LB/FT



**44" HEIGHT FRONT-FLUSH SECTION**  
 (For Use Adjacent to Rear-Flush Section on Sheet 18, as Required for Barrier Inlets)


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

**NOTE:**

1. GENERAL: See the applicable Notes on Sheet 15.

**SHOULDER BARRIER - SECTION OPTIONS (CONTINUED)**

8/29/2019 9:37:28 AM

LAST REVISION 11/01/19	REVISION	DESCRIPTION:	 <b>FY 2020-21          STANDARD PLANS</b>	<b>CONCRETE BARRIER</b>	INDEX <b>521-001</b>	SHEET <b>16 of 26</b>
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