
ORIGINATION FORM

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

Contact Information:

Date: May 26, 2020

Originator: Derwood Sheppard

Phone: (850) 414-4334

Email: derwood.sheppard@dot.state.fl.us

Standard Plans:

Index Number: 102-100

Sheet Number (s): 3

Index Title: Temporary Barrier

Summary of the changes:

Sheet 4: Added Index 102-642 as new Sheet 4; Revised Details and General Notes; Updated Symbols.

Commentary / Background:

Index 102-642 was consolidated with Index 102-100 to better locate the requirements to delineate the approach ends of Temporary Barrier. The information and detailing was simplified to clearly show the intended usage of channelizing devices and striping.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes	No	
☐	☐	Other Standard Plans –
☐	☐	FDOT Design Manual –
☐	☐	Basis of Estimates Manual –
☐	☐	Standard Specifications –
☐	☐	Approved Product List –
☐	☐	Construction –
☐	☐	Maintenance –

Origination Package Includes:

(Email or hand deliver package to Rick Jenkins)

Yes	N/A	
☒	☐	Redline Mark-ups
☐	☐	Proposed Standard Plan Instruction (SPI)
☐	☐	Revised SPI
☐	☐	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

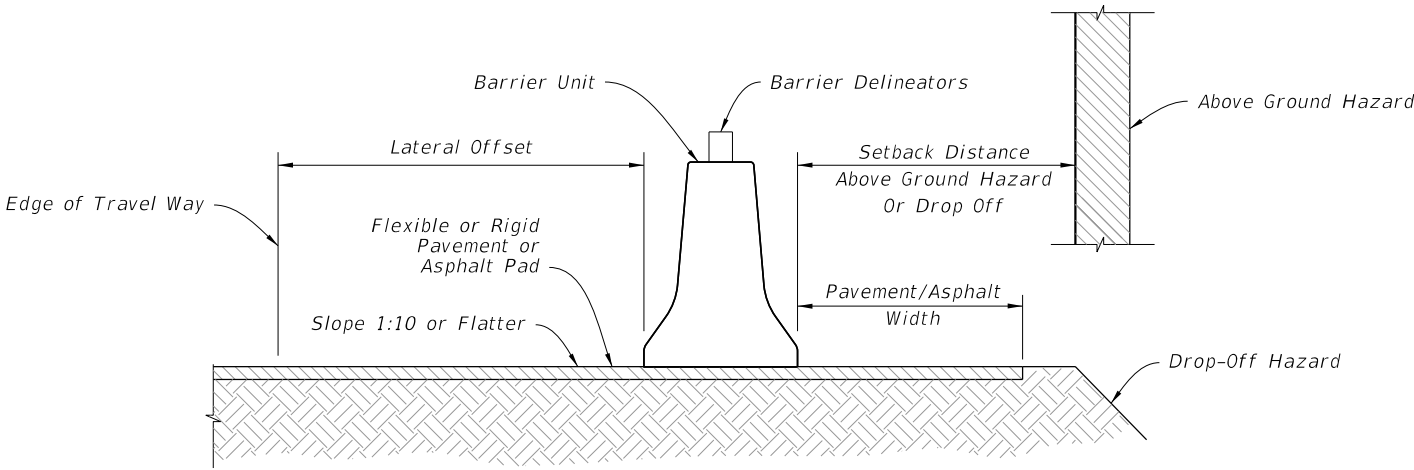
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GENERAL NOTES:

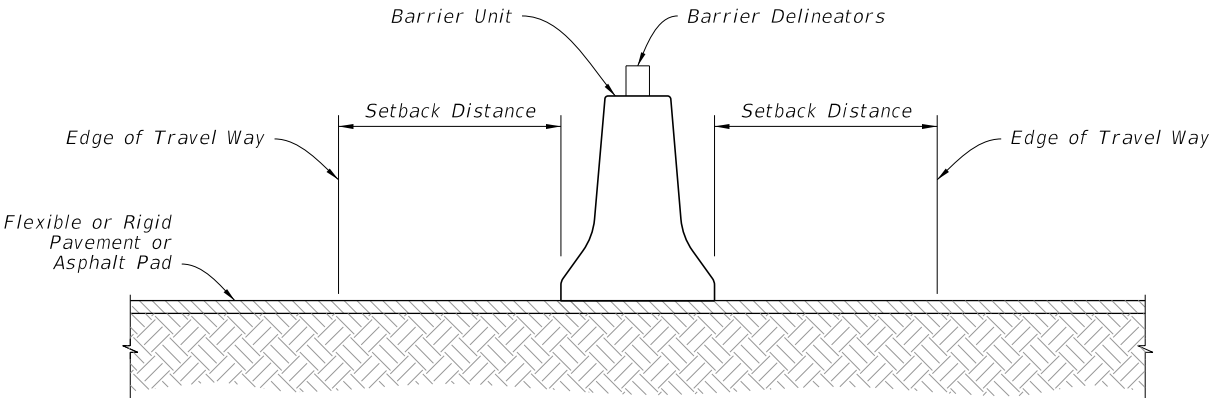
1. Temporary barrier systems may be any of the following:
- A. Type K Temporary Concrete Barrier System (Index 102-110) installed as either Free-Standing or Anchored.
 - B. Proprietary Temporary Barrier Systems on the Approved Product List (APL).
 - a. Concrete Barrier (Free-Standing or Anchored)
 - b. Steel Barrier (Anchored)
 - c. Water Filled Barrier (Free-Standing)
2. Where existing flexible pavement is not present, construct a minimum 2" thick temporary Asphalt Pad using Miscellaneous Asphalt Pavement in accordance with Specification 339 with the exception that the use of a pre-emergent herbicide is not required.
3. For Barrier Delineators, see Specification 102. Mount on top of temporary barriers. Color must match adjacent longitudinal pavement marking.
4. Remove all grass debris, loose dirt, and sand for the pavement, bridge deck, or asphalt pad surface within the barrier footprint just prior to placement of the temporary barrier.
6. Ensure the setback distance is clear of any grass, construction debris, stockpiled materials, equipment, and objects.
7. Transitions are required between Type K Barrier and free-standing, anchored, back-filled or other types of temporary barrier. See Index 102-110 for transitions between Type K Barrier and permanent bridge or traffic railing. Refer to the APL for transitions allowed for Proprietary Temporary Barrier Systems.
8. Anchoring (Bolting) of temporary barrier or crash cushions is not permitted on bridge superstructures that contain post-tensioned tendons within the concrete deck (top flange of concrete box girders) or on bridge superstructures consisting of longitudinally prestressed, transversely post-tensioned, solid or voided concrete slab units.
9. Anchor abutting segments of temporary barrier terminated with a Crash Cushion as shown in Index 102-110 or the APL.
10. The requirements of this Index do not apply to Temporary Low Profile Barrier, See Index 102-120.
11. Setback requirements below cover most Temporary Barrier options. Provide additional setback distance for APL products that require additional setback (deflection) space.

INSTALLATION DATA			
CONDITION	LATERAL OFFSET	SETBACK DISTANCE	PAVEMENT/ ASPHALT WIDTH
Anchored	2' Min.	2' Min.*	1' Min.
Free-standing	2' Min.	4' Min.	4' Min.

* For Bridge Decks see Index 102-110 or APL.



ROADSIDE INSTALLATION



MEDIAN INSTALLATION



FY ~~2019-20~~ ²⁰²¹⁻²²
STANDARD PLANS

TEMPORARY BARRIER

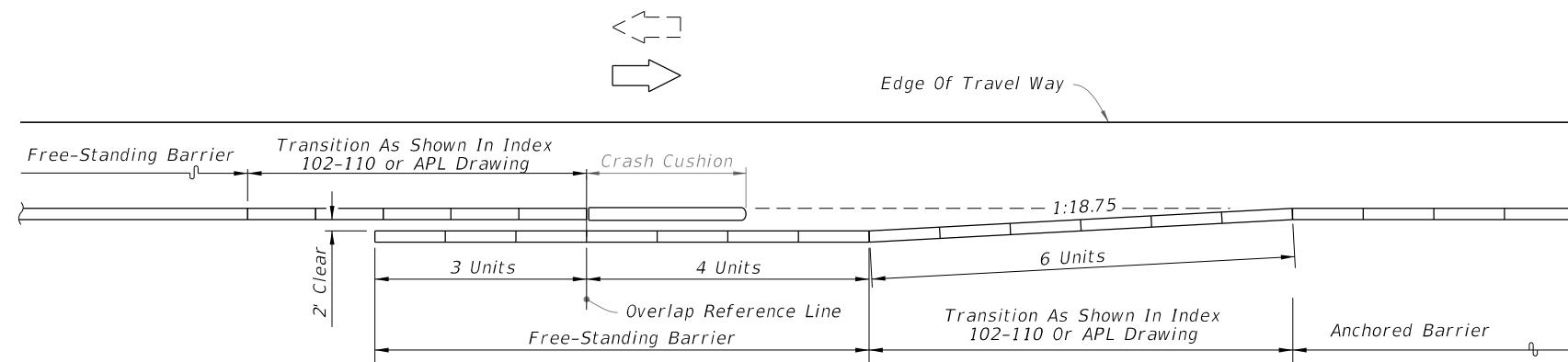
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102-100

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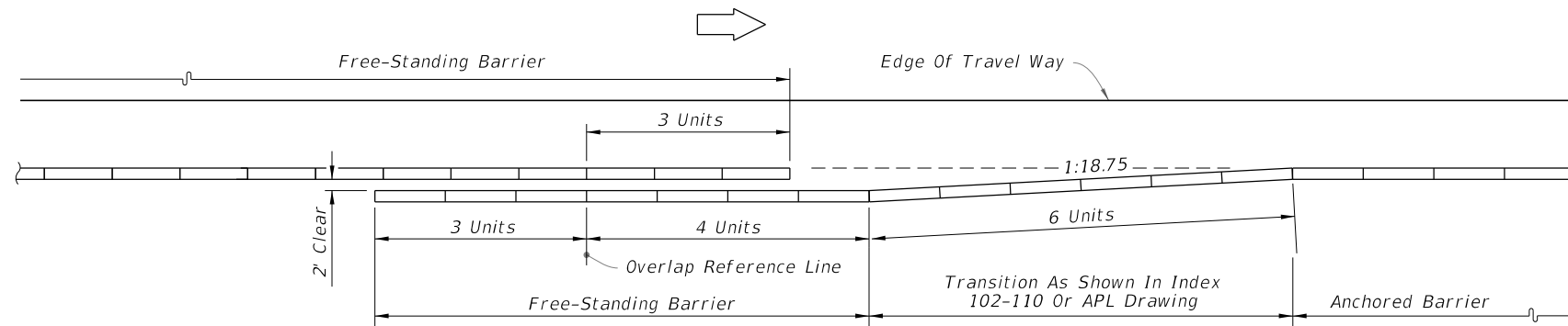
LAST
REVISION
~~11/01/17~~

11/01/20

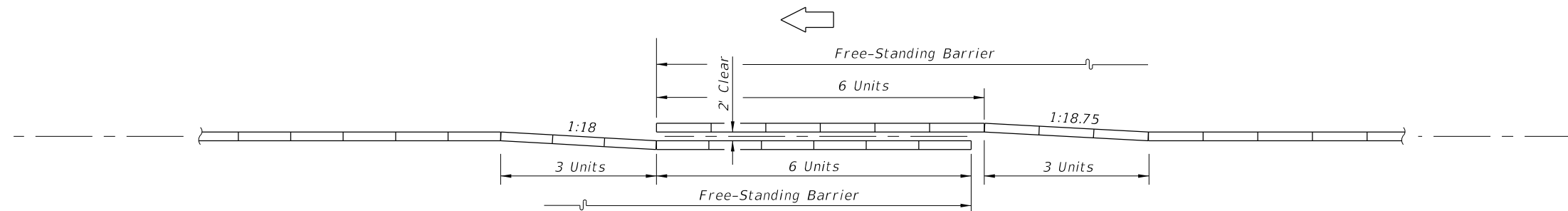
REVISION
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APPROACH SHOULDER BARRIER TRANSITION ON UNDIVIDED FACILITIES



APPROACH SHOULDER BARRIER TRANSITION ON DIVIDED FACILITIES

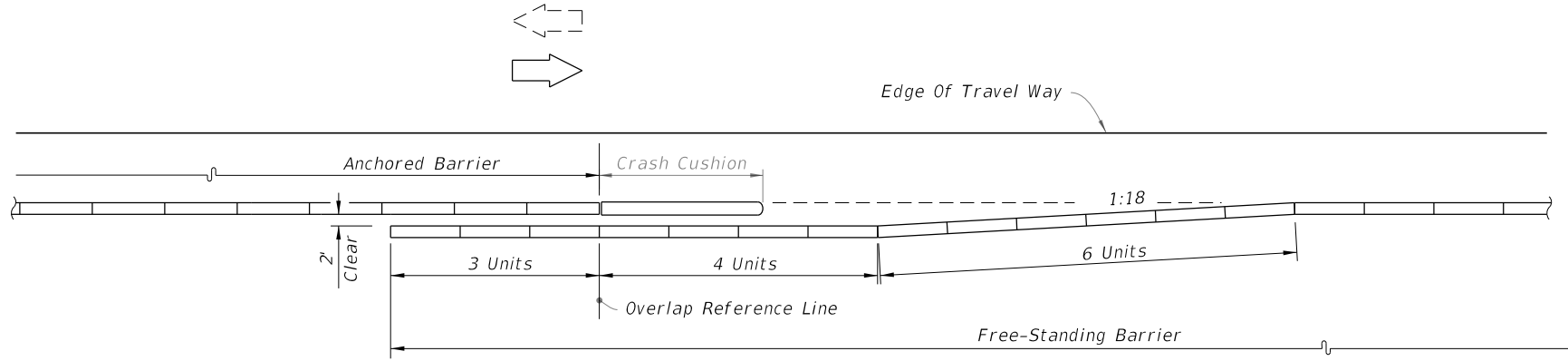


MEDIAN BARRIER TRANSITION

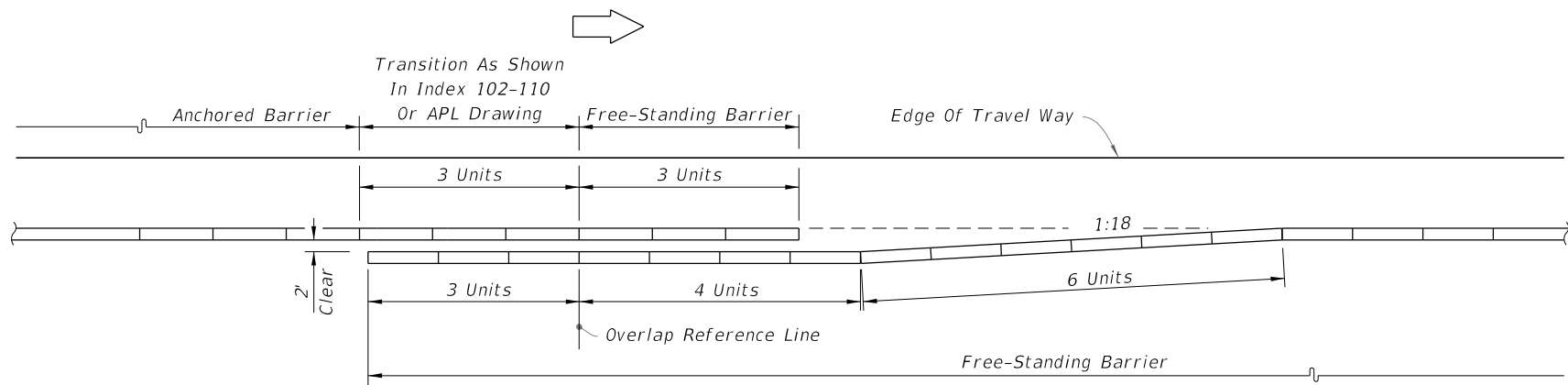
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LAST REVISION 11/01/17	REVISION DESCRIPTION:	FDOT FY 2019-20 2021-22 STANDARD PLANS	TEMPORARY BARRIER	INDEX 102-100	SHEET 2 of 3
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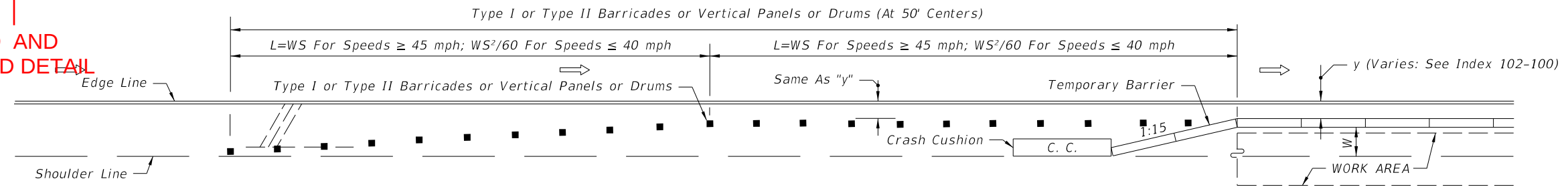
DEPARTURE SHOULDER BARRIER TRANSITION ON UNDIVIDED FACILITIES



DEPARTURE (TRAILING) SHOULDER BARRIER TRANSITION ON DIVIDED FACILITIES

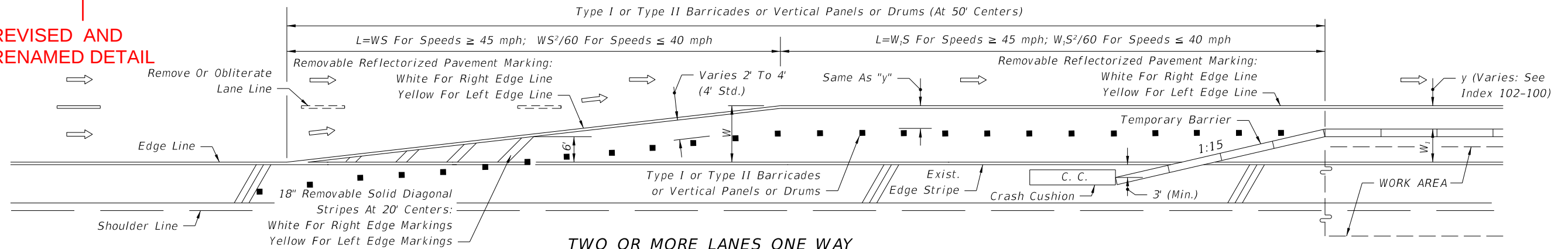
LAST REVISION 11/01/17	REVISION	DESCRIPTION:	FDOT FY 2019-20 2021-22 STANDARD PLANS	TEMPORARY BARRIER	INDEX 102-100	SHEET 3 of 3 4
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REVISED AND
RENAMED DETAIL



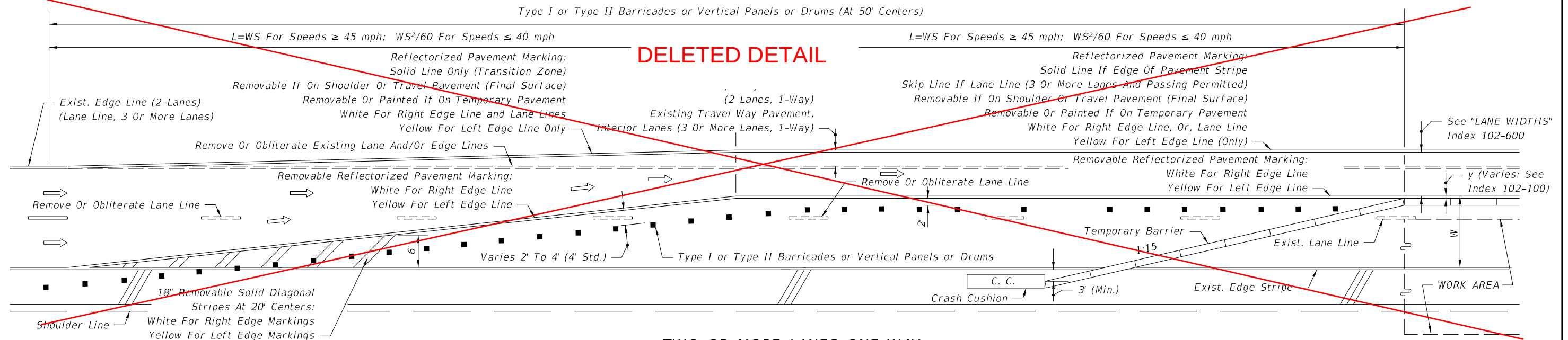
BARRIER AND TRANSITION LOCATED ON PAVED OR UNPAVED SHOULDERS
PLAN SHOWN FOR RIGHT LANE - INVERTED PLAN FOR LEFT LANE

REVISED AND
RENAMED DETAIL



TWO OR MORE LANES ONE WAY
LANE DROP • PLAN SHOWN FOR RIGHT LANE MERGE LEFT - INVERTED PLAN FOR LEFT LANE MERGE RIGHT

DELETED DETAIL



TWO OR MORE LANES ONE WAY

LANE DROP AND LANE SHIFTS - PLAN SHOWN FOR RIGHT LANE MERGE LEFT - INVERTED PLAN FOR LEFT LANE MERGE RIGHT

SYMBOLS

- Lane Identification + Direction of Traffic
- Channelizing Device (See Index 102-600)

UPDATED
SYMBOLS

GENERAL NOTES

- For signing information see the Plans, Specifications, MUTCD and other TCZ Indexes.
- Where W=width of lateral transition in feet, S=posted speed limit.

REVISED NOTES

UPDATED TITLE

LAST
REVISION
11/01/17

REVISION

DESCRIPTION:



FY 2020-21 2021-22
STANDARD PLANS

~~TRANSITIONS FOR TEMPORARY
BARRIER ON FREEWAY FACILITIES~~

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102-642

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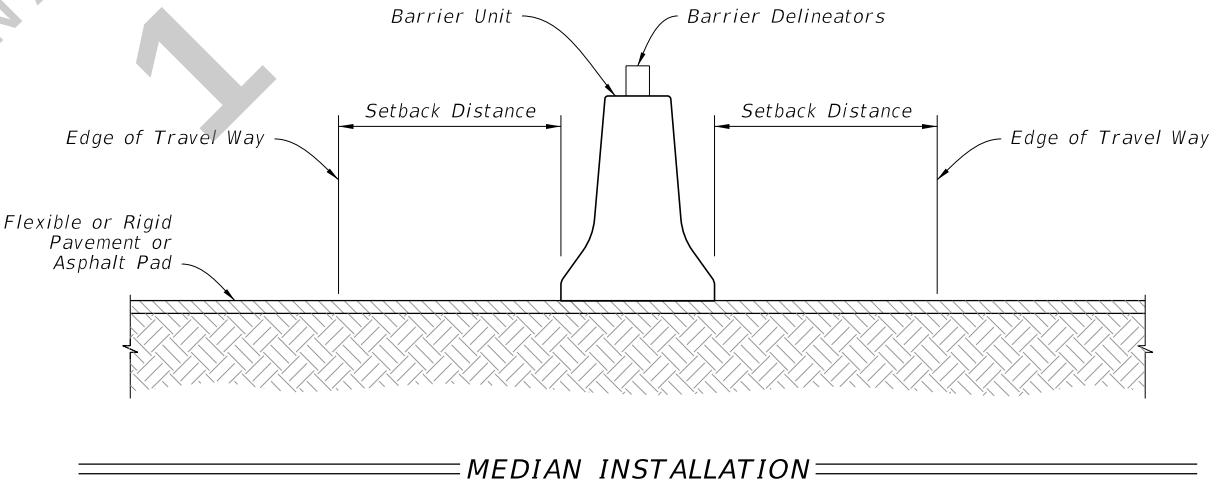
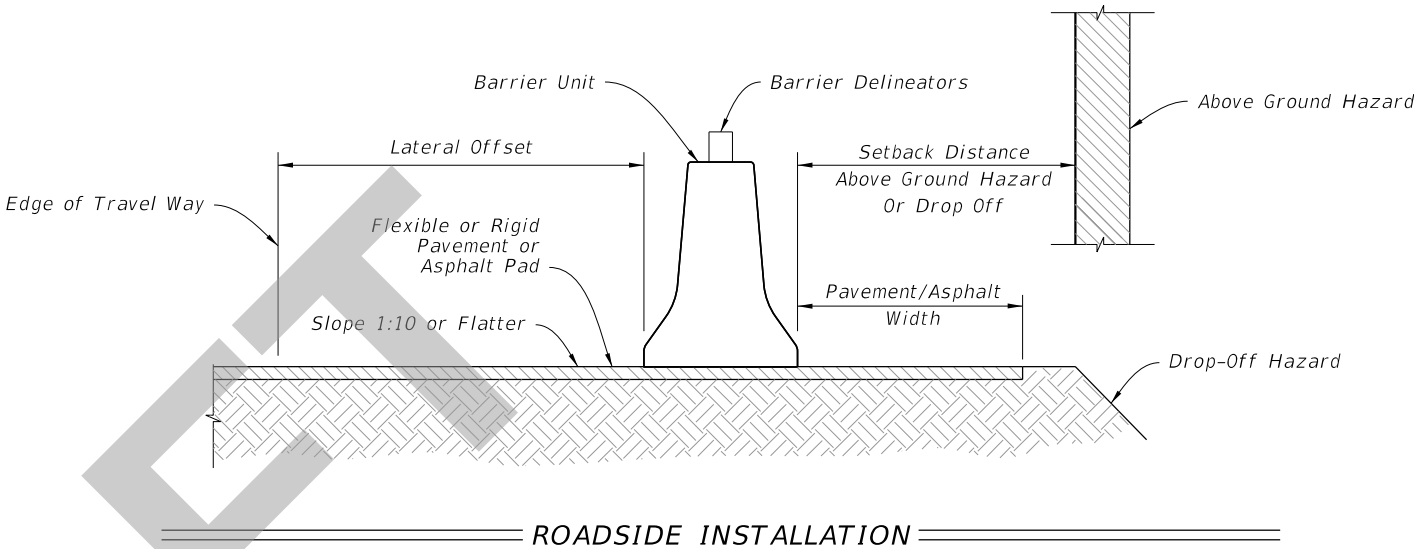
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FY 2021-22
STANDARD PLANS

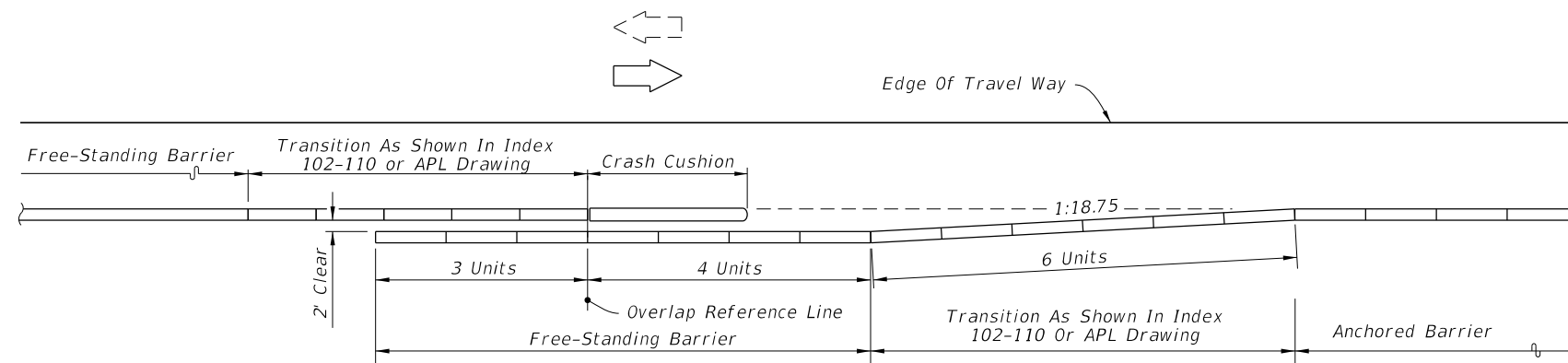
TEMPORARY BARRIER

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102-100

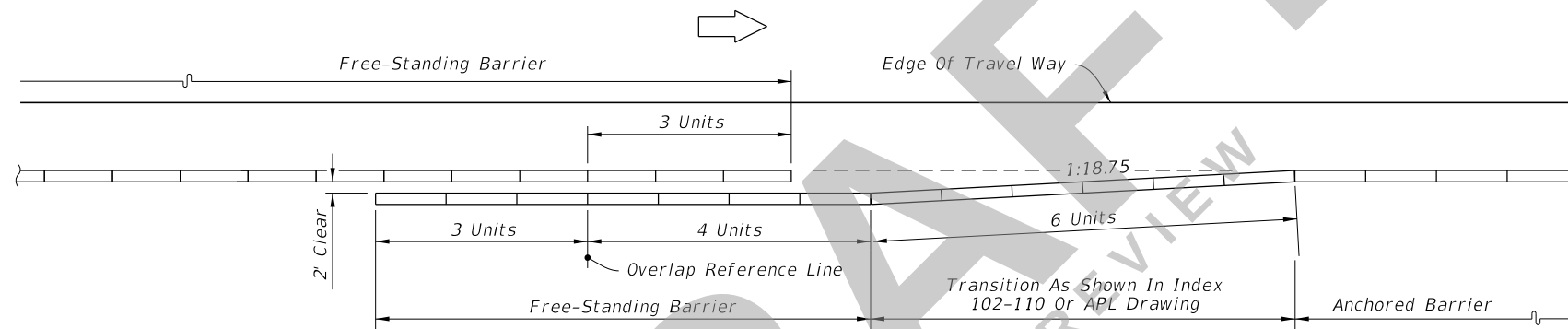
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LAST
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11/01/20

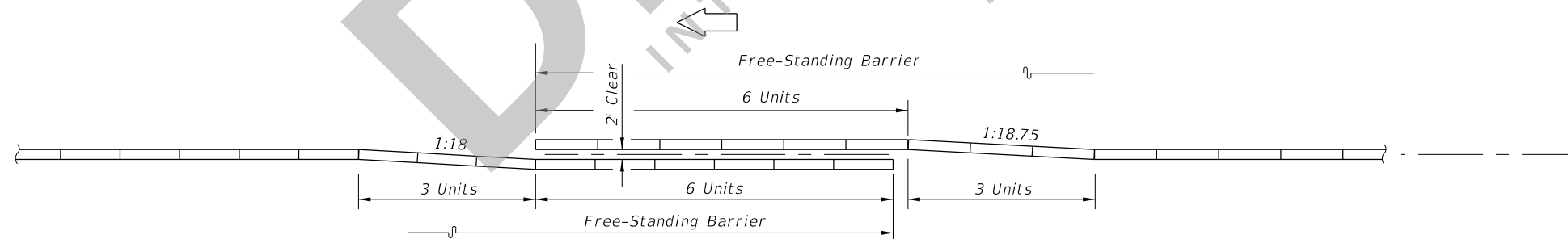
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DESCRIPTION:



APPROACH SHOULDER BARRIER TRANSITION ON UNDIVIDED FACILITIES



APPROACH SHOULDER BARRIER TRANSITION ON DIVIDED FACILITIES

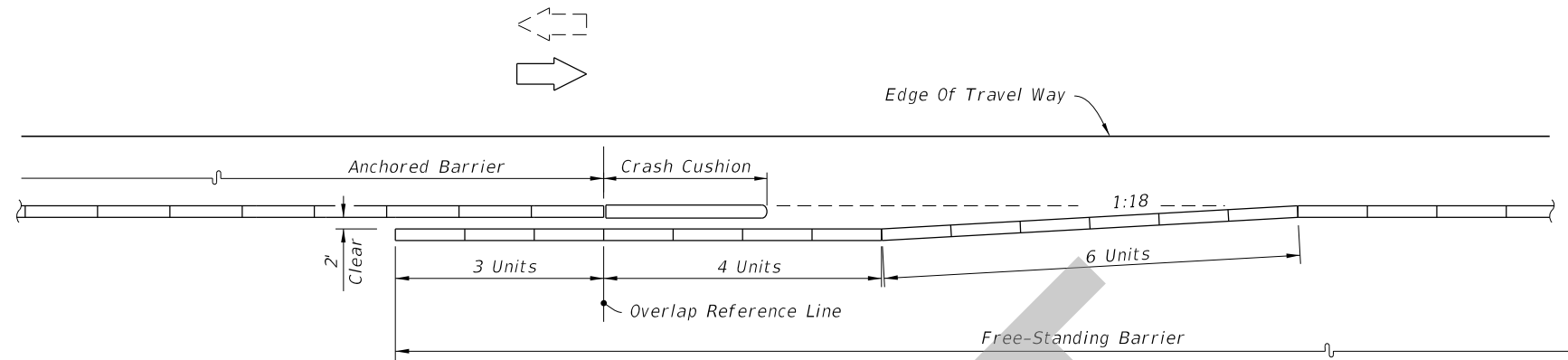


MEDIAN BARRIER TRANSITION

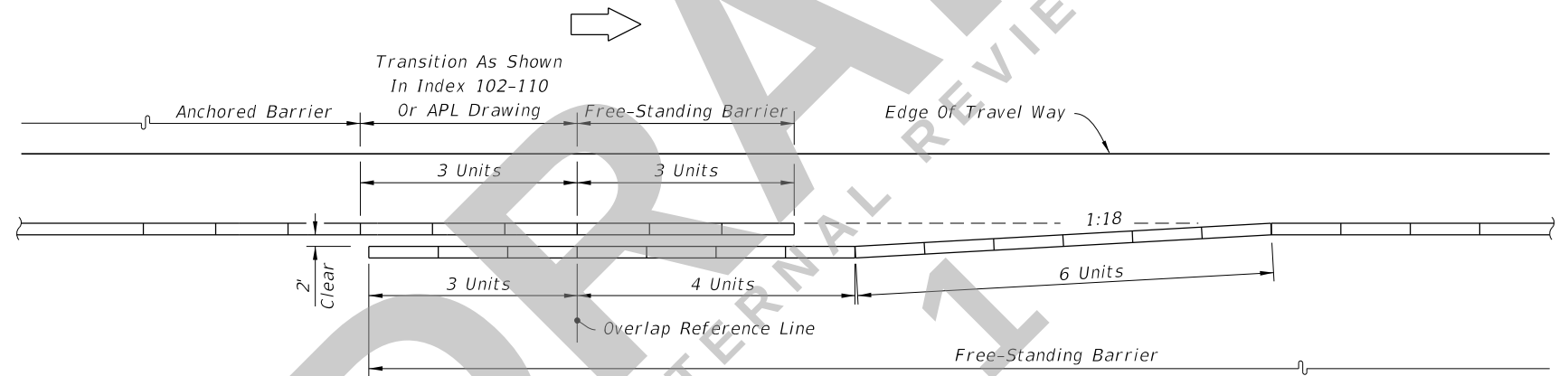
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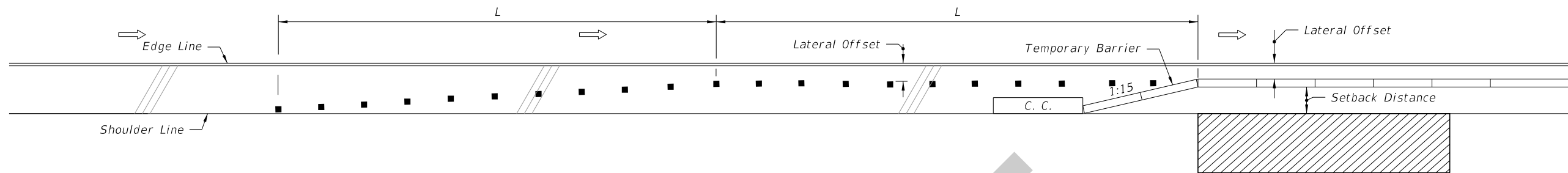


DEPARTURE SHOULDER BARRIER TRANSITION ON UNDIVIDED FACILITIES

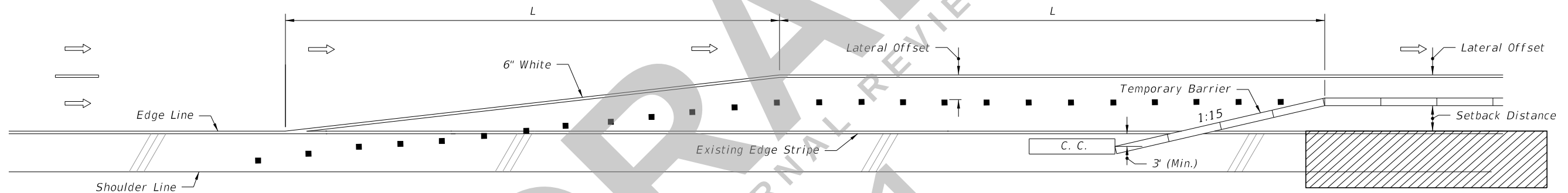


DEPARTURE (TRAILING) SHOULDER BARRIER TRANSITION ON DIVIDED FACILITIES

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BARRIER AND TRANSITION LOCATED ON SHOULDERS
(Right Lane Shown - Inverted For Left Lane)



BARRIER AND TRANSITION WITH LANE DROP ON MULTILANE FACILITIES
(Right Lane Merge Left Shown - Inverted For Left Lane Merge Right)

NOTE:

L = Taper Length, See Index 102-600 for "L" and channelizing device spacing values.

SYMBOLS:

-  Work Area
-  Lane Identification and Direction of Traffic
-  Channelizing Device (See Index 102-600)
-  Crash Cushion

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LAST REVISION 11/01/20	REVISION DESCRIPTION:	 FY 2021-22 STANDARD PLANS	TEMPORARY BARRIER	INDEX 102-100	SHEET 4 of 4
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