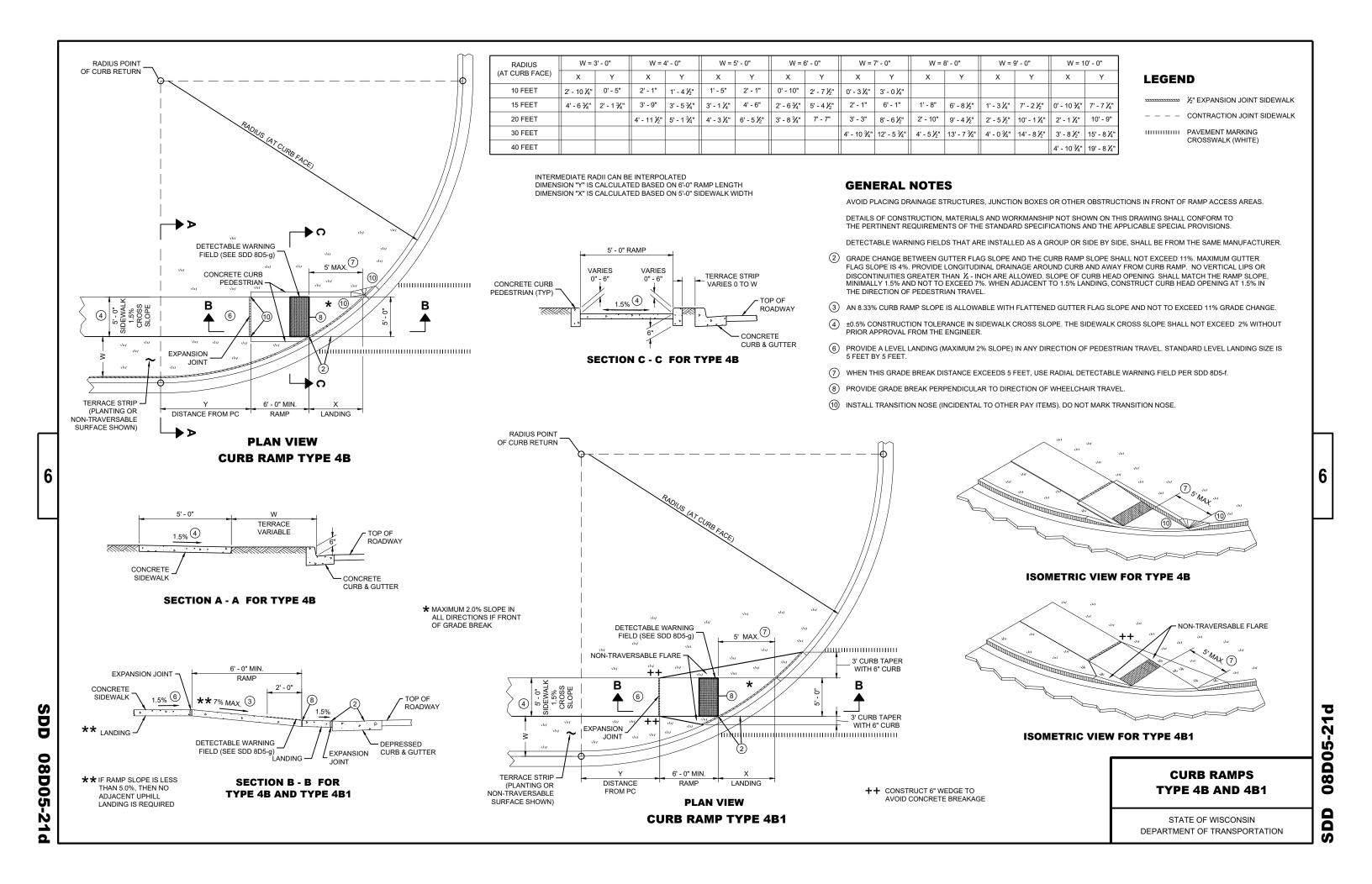
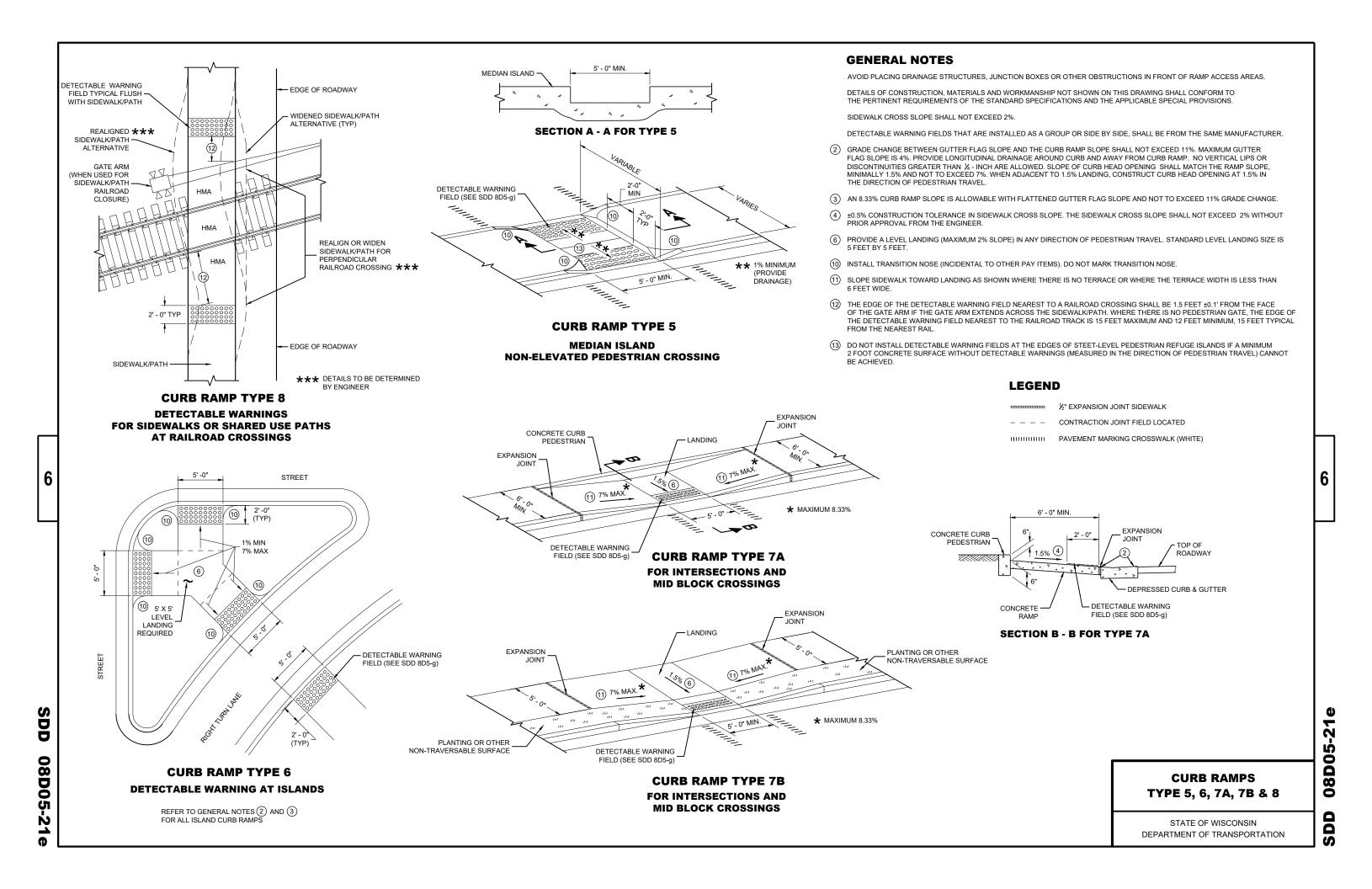


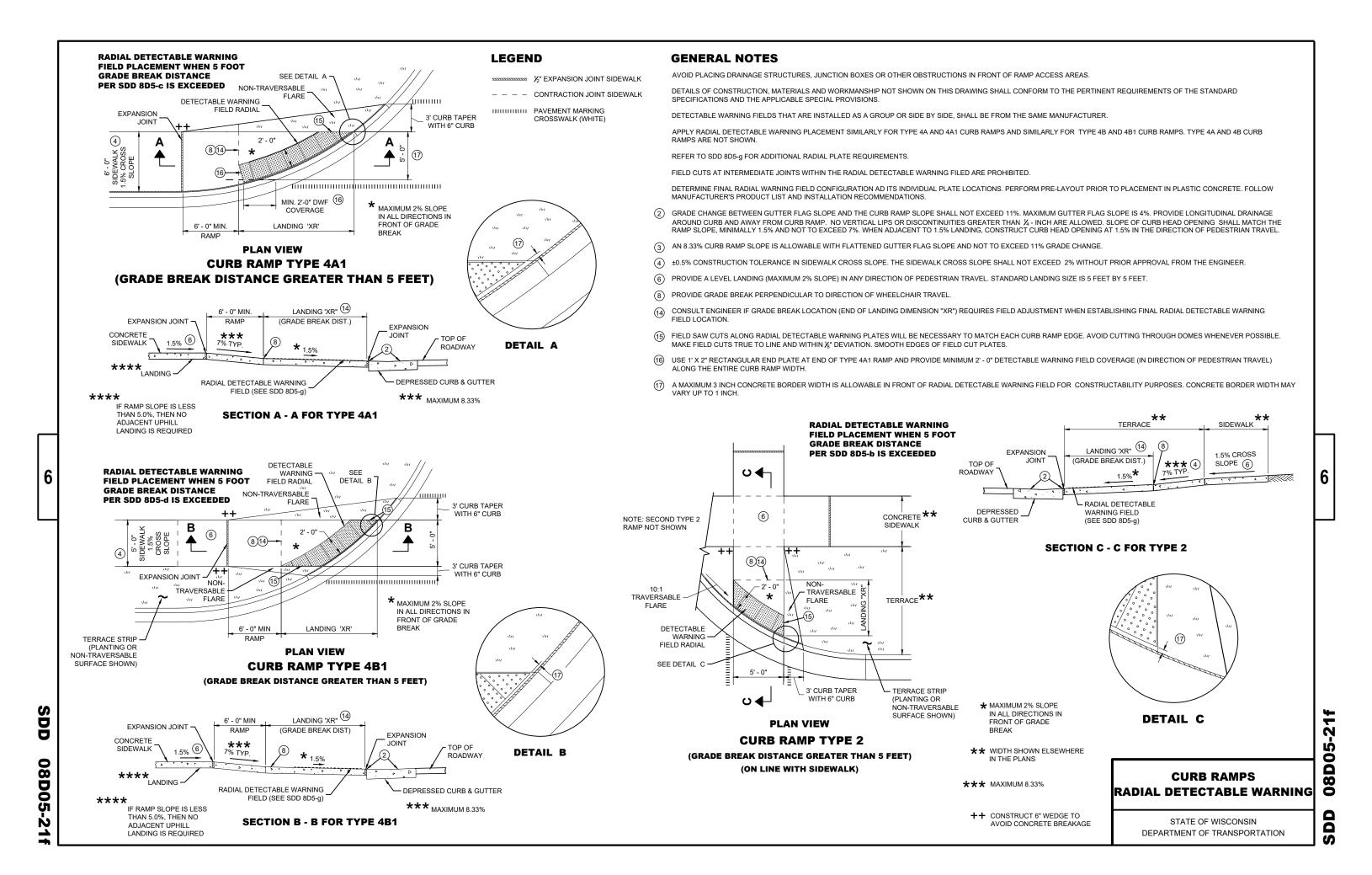
O

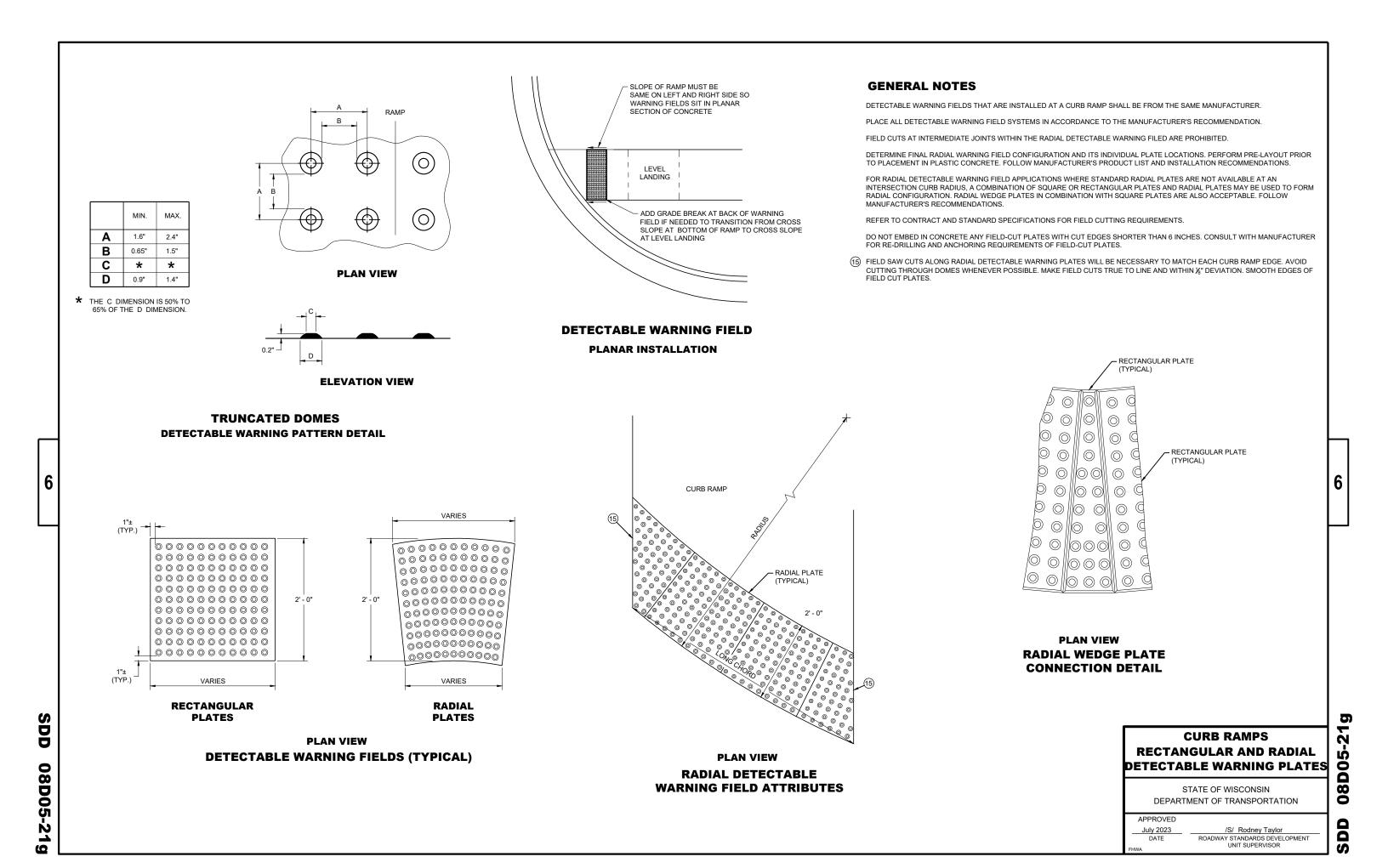
08D0

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION









Curb Ramps Types 1 and 1-A

References:

FDM 11-20-1 FDM 11-46-10

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian	LF
602.0505	Curb Ramp Detectable Warning Field Yellow	SF
602.0510	Curb Ramp Detectable Warning Field White	SF
602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF
602.0405	Concrete Sidewalk 4"	
602.0410	Concrete Sidewalk 5"	SF
602.0415	Concrete Sidewalk 6"	
602.0420	Concrete Sidewalk 7"	
646.0113 - 0119	Pavement Marking (material) 6-Inch	LF
647.0763 - 0769	Pavement Marking Crosswalk (material) 6-Inch	LF
647.0773 - 0779	Pavement Marking Crosswalk (material) 12-Inch	LF
647.0783 - 0789	Pavement Marking Crosswalk (material) 18-Inch	LF
647.0793 - 0799	Pavement Marking Crosswalk (material) 24-Inch	

Standardized Special Provisions associated with this drawing:

NONE

Other SDDs associated with this drawing:

SDD 8D5 Curb Ramps sheets "b", "c", "d", "e", "f" and "g" are required.

SDD 15C33 Stop Line and Crosswalk Pavement Marking is required when this drawing is called for in

the plans.

Design Notes:

The Type 3 should be used only when there may be utilities or other fixed objects in the way of the curb ramp installation and cannot be relocated.

If other ramp types are not technically feasible, Type 1 and 1-A curb ramps may be constructed per <u>FDM 11-46-10.2</u>. If Type 1-A curb ramps are constructed within constrained site locations, the landing width may be reduced to 5 feet.

These SDDs may not satisfy all field conditions. Develop special details showing elevations or other layout considerations.

The Product Acceptable List (PAL) has only cast-iron products for the Detectable Warning Field (DWF). The typical size of DWF panel in cast iron is 2 ft x 2 ft. Other cast iron panel sizes available include 2 ft x 1 ft, 2 ft x 1.5 ft, 2 ft x 2.5 ft, and 2 ft x 3 ft

For the development of radial detectable warning fields (DWFs), radial plates are available from manufacturers listed on the PAL. Some manufacturers have also developed radial/rectangular plate combinations to form a prescribed radius.

Refer to <u>FDM 11-46-10.2</u> and sheets "b", "c", "d", "f" and "g" of SDD 8D5 for further guidance when to apply rectangular or radial DWFs at curb ramps and for DWF plan layouts. Grade break distances greater than 5 feet will require radial DWFs. When radial DWFs are required, include back of curb radius, curb ramp landing length 'XR' (i.e. grade break distance), radial warning field area and radial long chord dimension in contract plans.

Cover the entire curb ramp width (excluding concrete flares) with detectable warning fields. Do not leave gaps between adjacent warning plates.

The Detectable Warning Field shall be installed in plastic concrete. The area under the Detectable Warning Field is paid as concrete sidewalk. Do not install the Detectable Warning Field in or on asphaltic pavement.

Do not install drainage grates in the path of curb ramp or sidewalk users. Slope the gutter pan so the curb ramp area will drain away from the pedestrian crossing.

The yellow border pavement marking is not required with the use of the Detectable Warning Field. See SDD 8D5-sheet b for Curb Ramp pay items used for restriping of curb ramp markings.

Contact Person:

Standard Detail Drawing 8D5 (sheet b)

August 2023

Curb Ramps Types 2 and 3

References:

FDM 11-20-1 FDM 11-46-10

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian	LF

See Sheet "a".

Standardized Special Provisions associated with this drawing:

See Sheet "a".

Other SDDs associated with this drawing:

SDD 8D5 Curb Ramps sheet "a", "c", "d", "e", "f" and "g" are required.

SDD 15C33 Stop Line and Crosswalk Pavement Marking is required.

Design Notes:

See Sheet "a".

Curb Ramp pay items used for restriping of curb ramp markings are as follows (do not use these pavement markings when using Curb Ramp Detectable Warning Fields):

647.0503 Pavement Marking Curb Ramp Paint
 647.0506 Pavement Marking Curb Ramp Epoxy

3. 647.0509 Pavement Marking Curb Ramp Preformed Plastic

Contact Person:

Version 21	Standard Detail Drawing 8D5 (sheet c)	August 2023
	Curb Ramps Type 4A and 4A1	

References:

FDM 11-20-1 FDM 11-46-10

Bid items associated with this drawing:

ITEM NUMBER	<u>DESCRIPTION</u>	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian	LF
Can Chant "a"		

See Sheet "a".

620.0300 Concrete Median Sloped Nose......SF

Standardized Special Provisions associated with this drawing:

See Sheet 'a'.

Other SDDs associated with this drawing:

SDD 8D5 Curb Ramps sheet "a" "b" "d" "e", "f" and "g" are required.

SDD 11B2 Concrete Median Nose is required

SDD 15C33 Stop Line and Crosswalk Pavement Marking is required.

Design Notes:

See Sheet 'a'.

Contact Person:

Version 21	Standard Detail Drawing 8D5 (sheet d)	August 2023
	Curb Ramps Type 4B and 4B1	

References:

FDM 11-20-1 FDM 11-46-10

Bid items associated with this drawing:

ITEM NUMBER	<u>DESCRIPTION</u>	<u>UNII</u>
601.0600	Concrete Curb Pedestrian	LF
See Sheet "a".		
620.0300	Concrete Median Sloped Nose	SF

Standardized Special Provisions associated with this drawing:

See Sheet a.

Other SDDs associated with this drawing:

SDD 8D5 Curb Ramps sheet "a", "b", "c", "e", "f" and "g" are required.

SDD 11B2 Concrete Median Nose is required.

SDD 15C33 Stop Line and Crosswalk Pavement Marking is required.

Design Notes:

See Sheet "a".

Contact Person:

Version 21	Standard Detail Drawing 8D5 (sheet e)	August 2023
	Curb Ramps Type 5, 6, 7A, 7B & 8	

References:

FDM 11-20-1 FDM 11-46-10

Bid items associated with this drawing:

ITEM NUMBER	<u>DESCRIPTION</u>	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian	LF
See Sheet 'a'.		
620.0300	Concrete Median Sloped Nose	LF

Standardized Special Provisions associated with this drawing:

See Sheet 'a'.

Other SDDs associated with this drawing:

SDD 8D5	Curb Ramps sheet "a", "b", "c", "d", "f" and "g" are required.
SDD 11B2	Concrete Median Nose is required.
SDD 13B1	Railroad Crossing Approach
SDD 15C33	Stop Line and Crosswalk Pavement Marking is required.

Design Notes:

See Sheet "a".

Type 8, deviating from the dimensions in note 12 require the approval of the Central Office Rail & Harbors Section At-grade Crossing Engineer. Designer shall consult the Region Railroad Coordinator. Label the dimension and show in the plans after approved.

Where the distance between the center line of multiple tracks exceeds 38 feet, additional detectable warnings, designating the limits of a minimum of 2 feet wide pedestrian refuge area between the detectable warnings, shall be used.

Contact Person:

Curb Ramps Radial Detectable Warning Field Applications

References:

FDM 11-20-1 FDM 11-46-10

Bid items associated with this drawing:

ITEM NUMBER	DESCRIPTION	<u>UNIT</u>
601.0600	Concrete Curb Pedestrian	LF
602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF
602.0610	Curb Ramp Detectable Warning Field Radial White	SF
602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF
See Sheet 'a' except replaces these bid ite	exclude item numbers 602.0505 , 602.0510 and 602.0515 . The radial DWF bid items.	ems
620.0300	Concrete Median Sloped Nose	LF

Standardized Special Provisions associated with this drawing:

See Sheet 'a'.

Other SDDs associated with this drawing:

SDD 8D5 Curb Ramps sheet "a", "b", "c", "d", "e" and "g" are required.

SDD 11B2 Concrete Median Nose is required.

SDD 15C33 Stop Line and Crosswalk Pavement Marking is required.

Design Notes:

See Sheet "a".

Contact Person:

Version 21 **Standard Detail Drawing 8D5** (sheet g) August 2023 Curb Ramps Rectangular and Radial Detectable Warning Plates

References:

FDM 11-20-1 FDM 11-46-10

Bid items associated with this drawing:

ITEM NUMBER	<u>DESCRIPTION</u>	<u>UNIT</u>
602.0505	Curb Ramp Detectable Warning Field Yellow	SF
602.0510	Curb Ramp Detectable Warning Field White	SF
602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF
602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF
602.0610	Curb Ramp Detectable Warning Field Radial White	SF
602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF

Standardized Special Provisions associated with this drawing:

See Sheet 'a'.

Other SDDs associated with this drawing:

SDD 8D5 Curb Ramps sheet "a", "b", "c", "d", "e" and "f" are required.

Design Notes:

See Sheet "a".

Contact Person: