

Subject: Revision of Standard Road Plan Manual Revision Date: 10/20/2020

To: Holders of Standard Road Plans From: Design Bureau

INSTRUCTIONS: The attached Standard Road Plans have received approval and may be referred to in the plans by number. Questions concerning information contained on the Standard Road Plans should be directed to the Methods Section, Design Bureau, telephone (515) 239-1727 or email daniel.harness@iowadot.us.

NOTE The following revisions are effective with the 10/20/2020 letting. Projects let prior to this date may reference earlier versions of these Standard Road Plans.

Standard

Road Plan

Description of Revision

BA Index

BA-252

Modified to reflect change to add 25' of W-beam to BA-203.

EC Index

EC-303

Removed Interim from standard.

EW Index

EW-203

Modified dimension line "A" on page 1.

EW-204

Modified dimension line "A" on page 1.

PV Index

PV-12

On Sheet 1 replaced 12" dimension in PLAN view with L. Added RAILROAD CROSSING on Sheet 2.

SI Index

SI-123

Modified dimension from 0.78 to 0.070 in Full Panel Section.

SW Index

SW-542

Removed Interim from standard.

TC Index

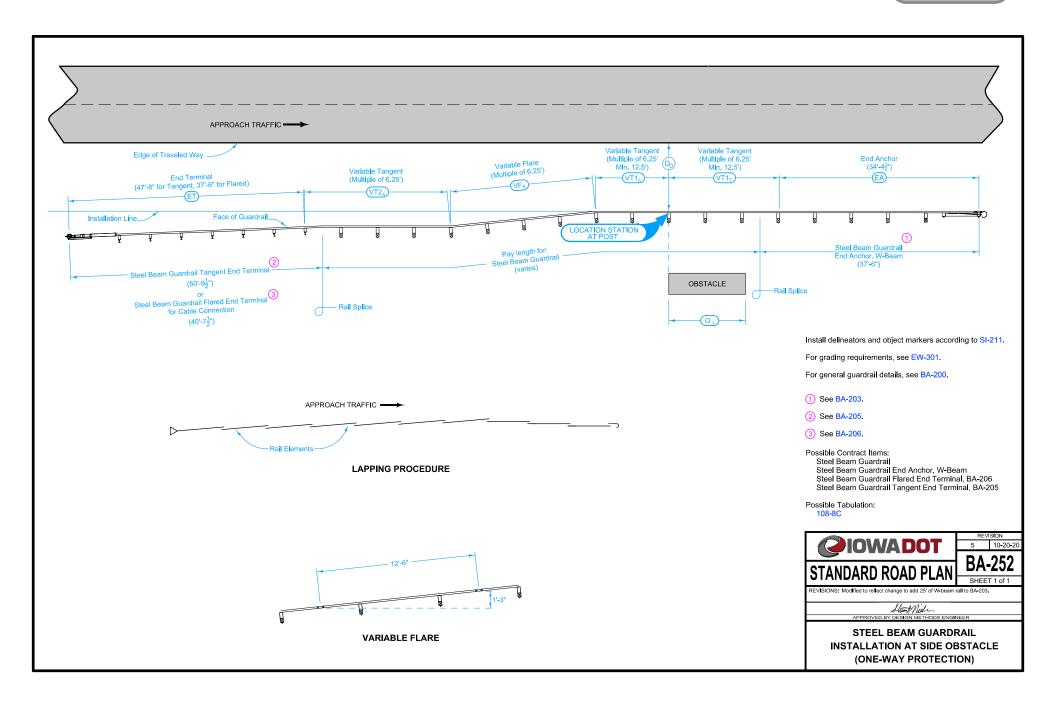
TC-062

Modified Type III barricades note from Section 3F.01 to Section 2B.67.

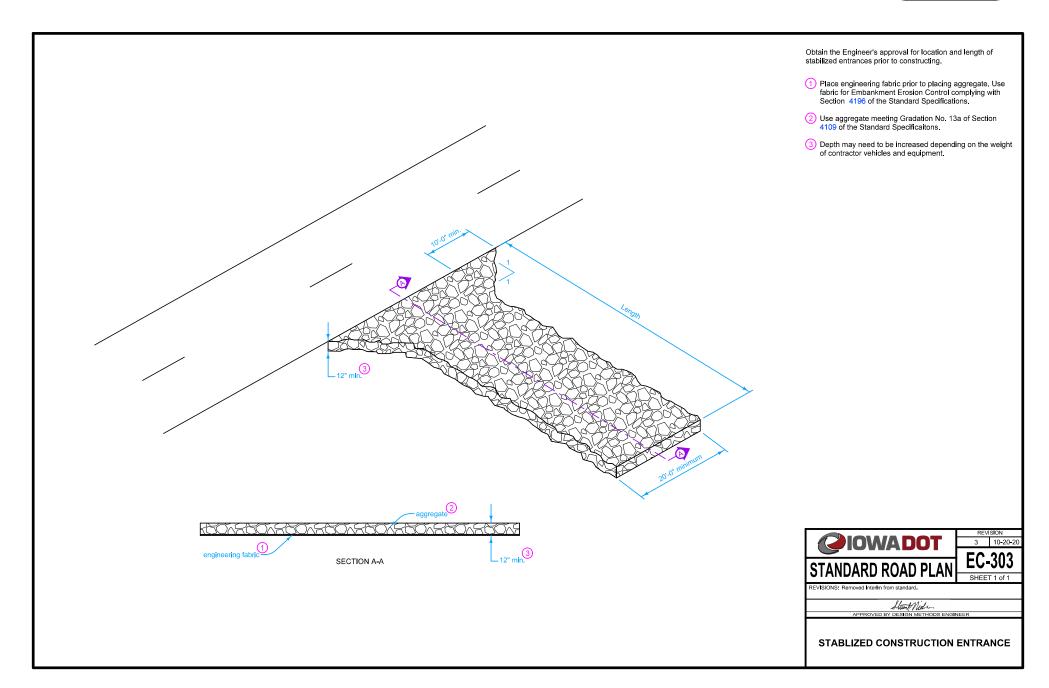
TC-423

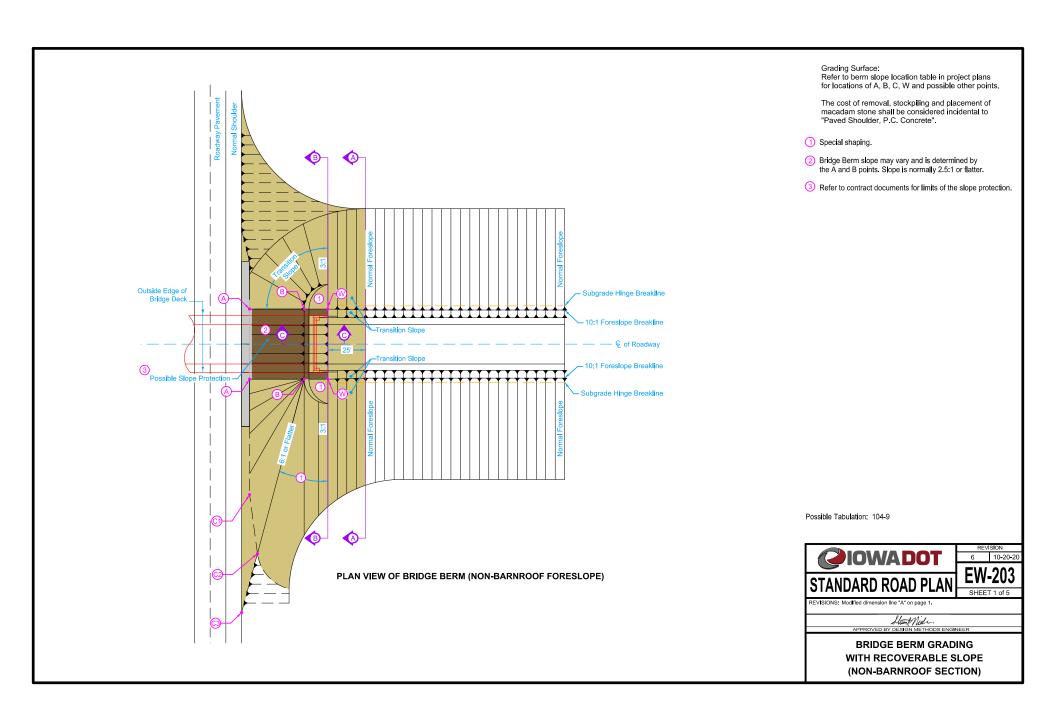
Modified circle note 3.

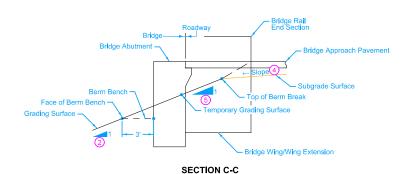




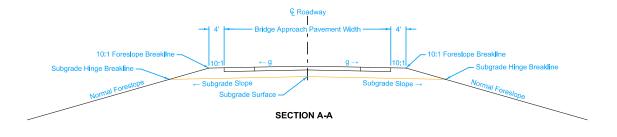




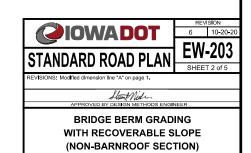


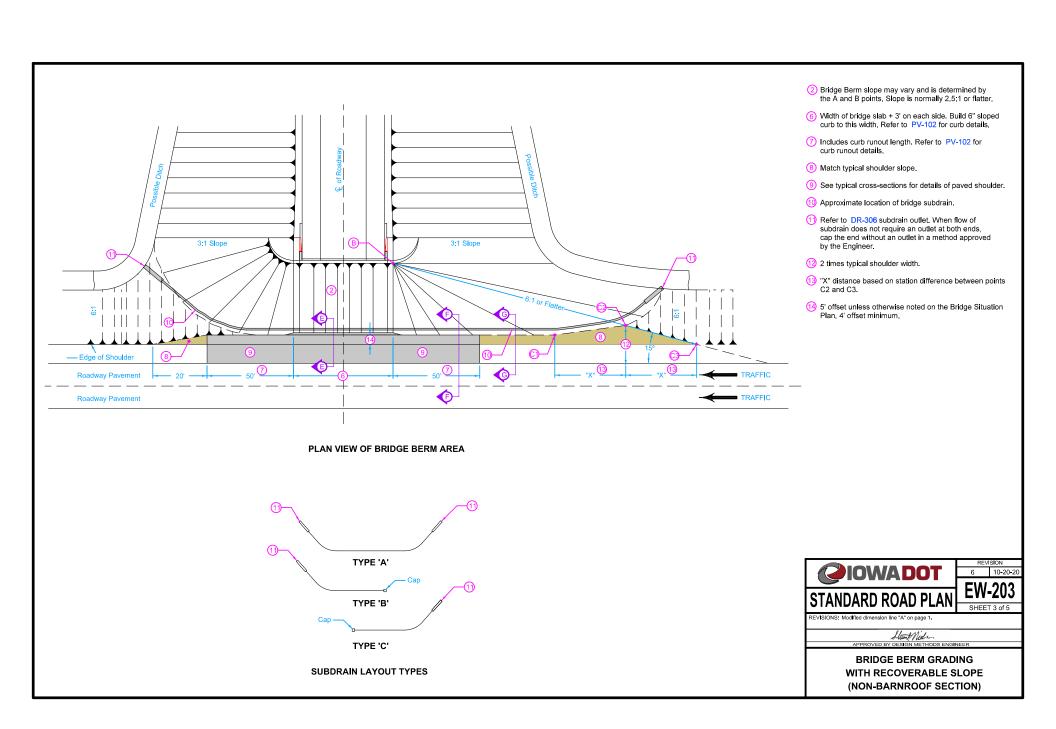


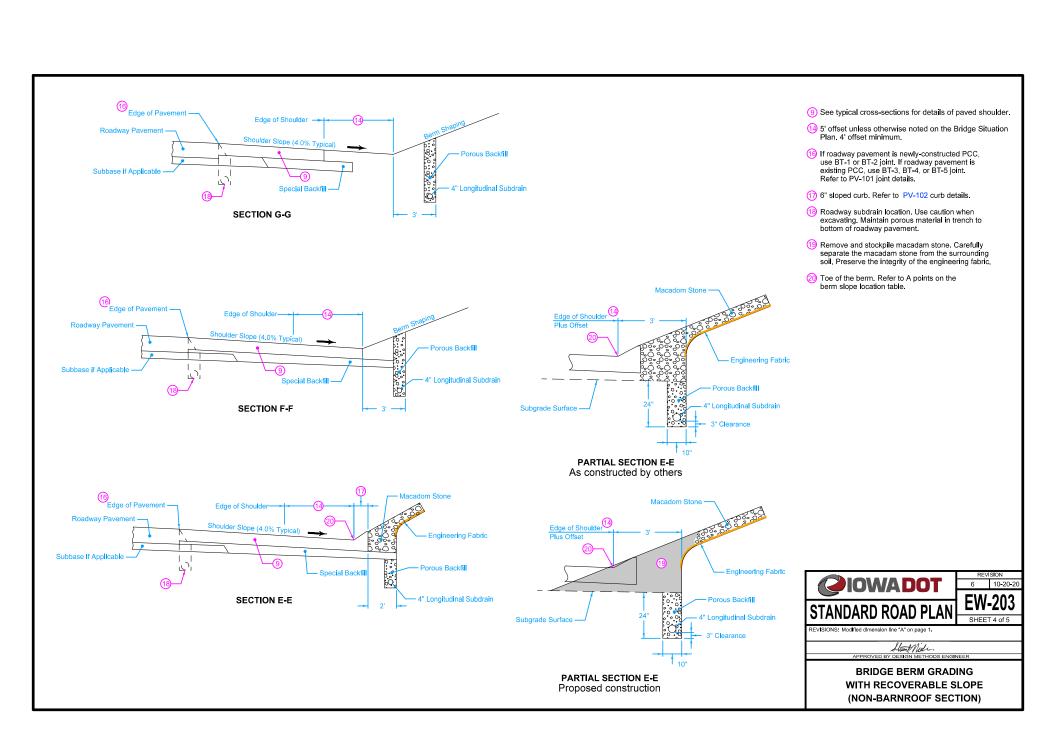




- ② Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.
- 3 Refer to contract documents for limits of the slope protection.
- 4 Refer to BR series for longitudinal subgrade slope.
- Temporary grading slope.
- g = pavement cross slope.

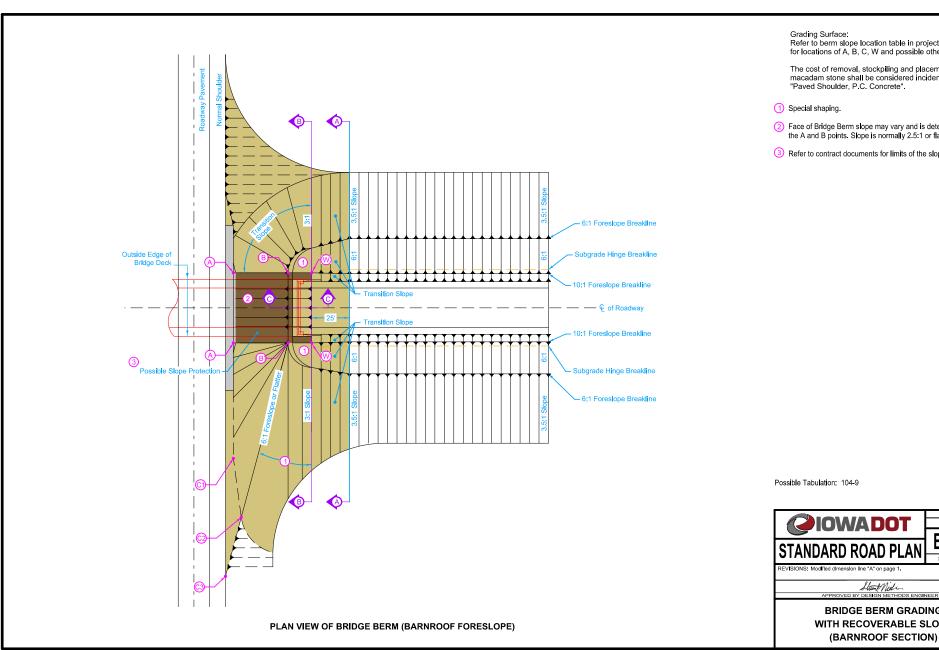






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WITH RECOVERABLE SLOPE (NON-BARNROOF SECTION)



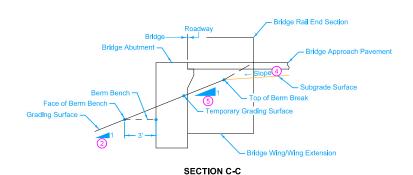
Refer to berm slope location table in project plans for locations of A, B, C, W and possible other points.

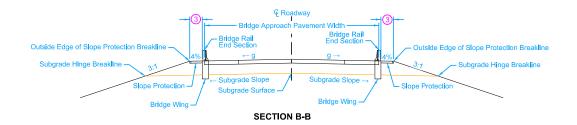
The cost of removal, stockpiling and placement of macadam stone shall be considered incidental to "Paved Shoulder, P.C. Concrete".

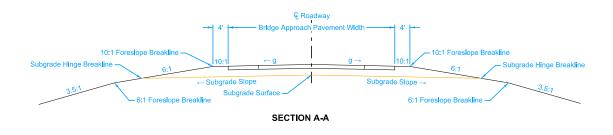
② Face of Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.

3 Refer to contract documents for limits of the slope protection.

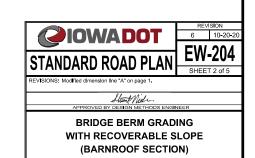


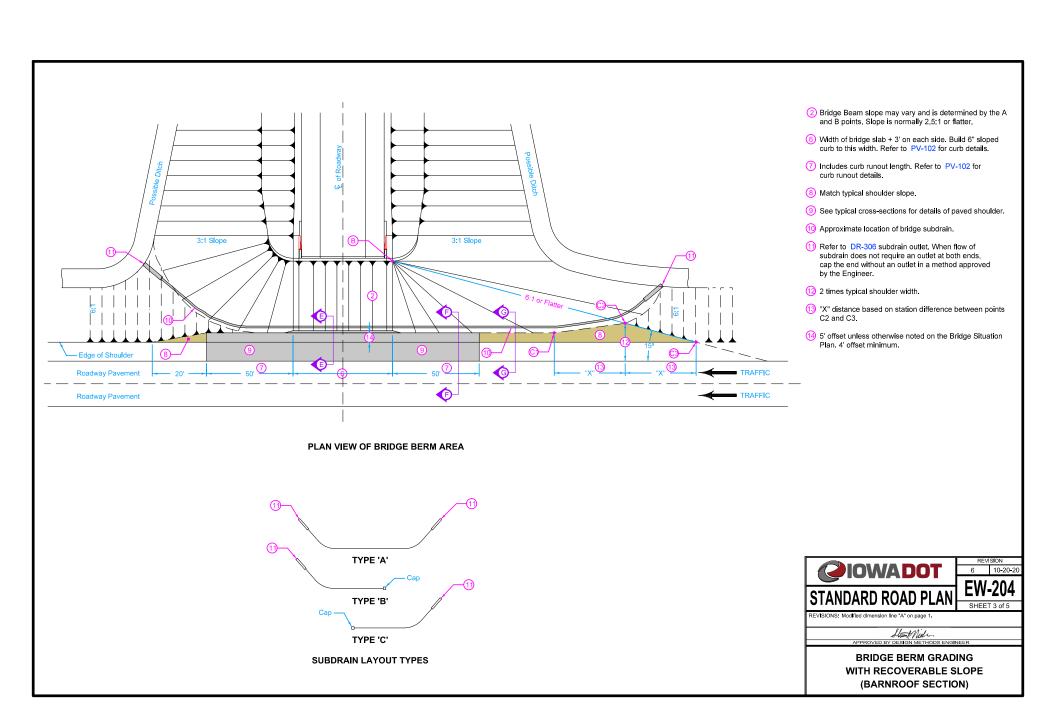


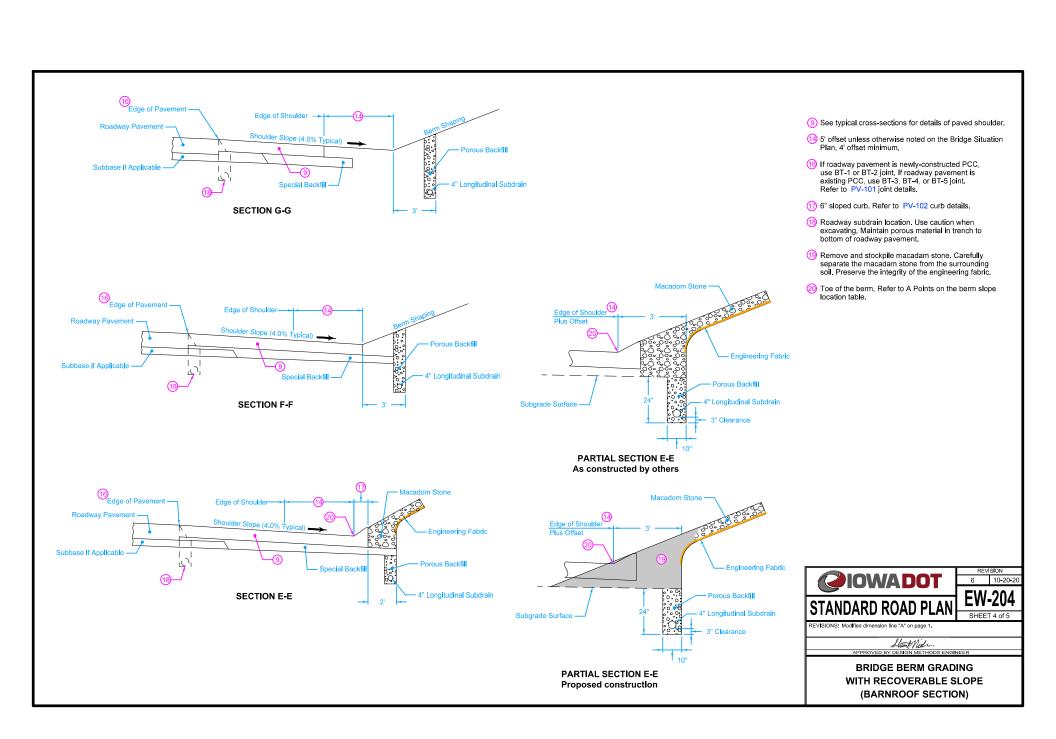




- ② Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.
- 3 Refer to contract documents for limits of the slope protection.
- 4 Refer to BR series for longitudinal subgrade slope.
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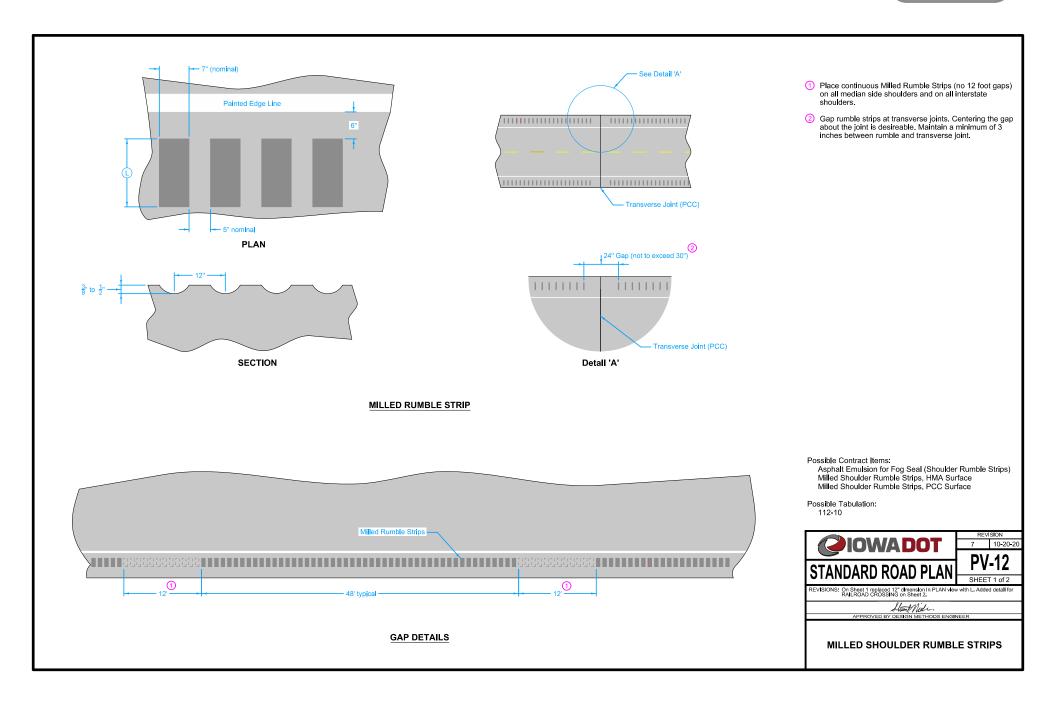


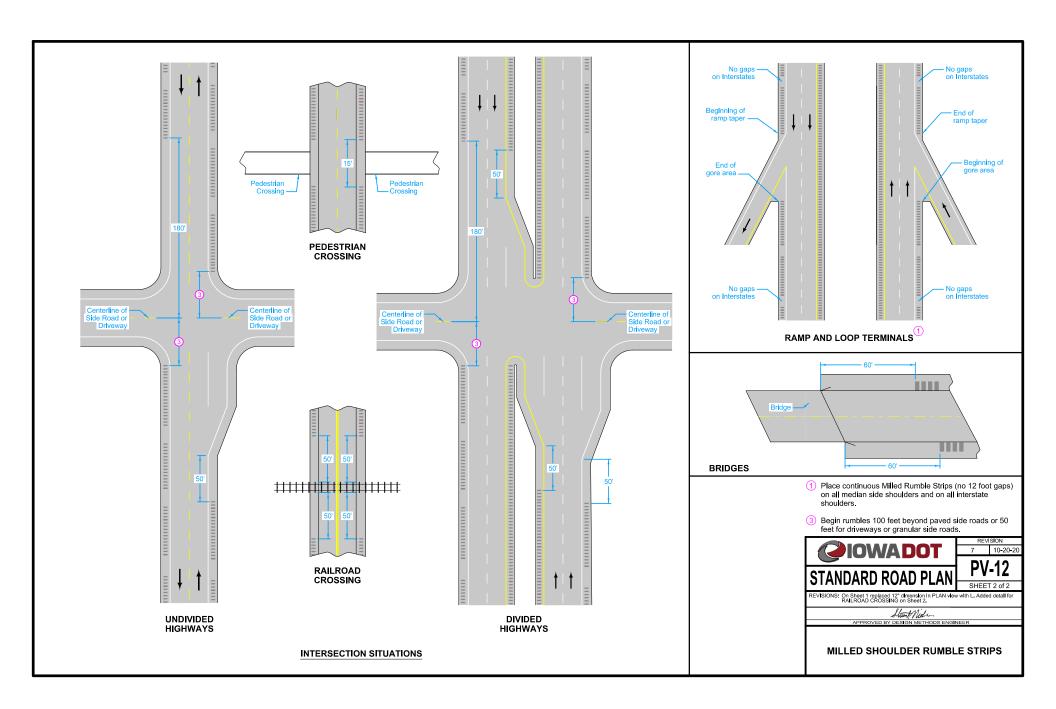


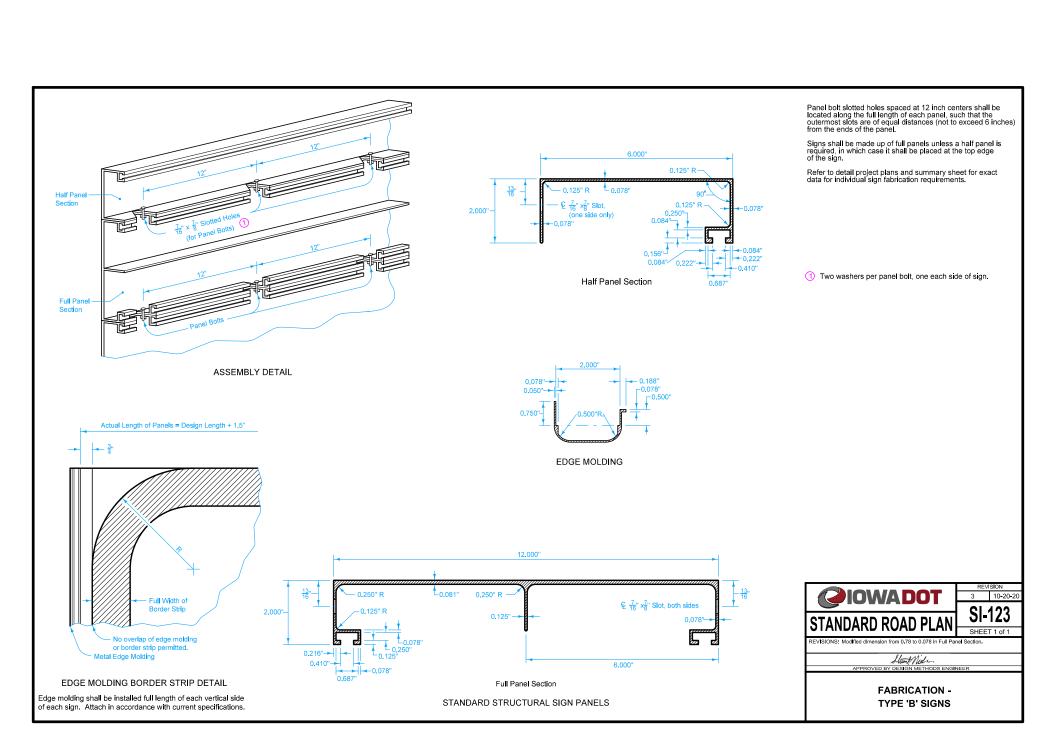


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										VADOT	6
									STANDARD	ROAD PLAN	SHE

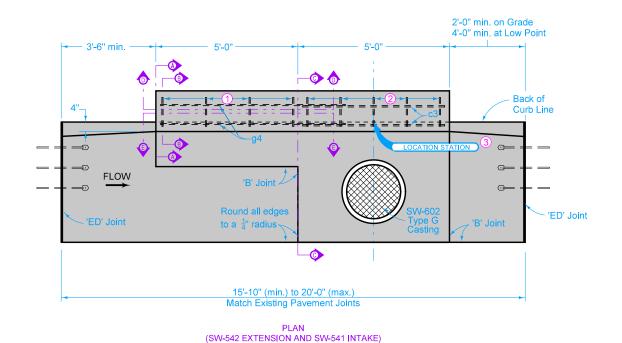










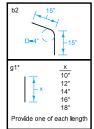


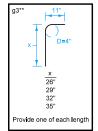
Extension unit may be used on either or both sides of SW-541 intakes. Details are similar when extension unit is on the opposite side.

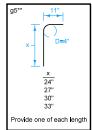
- 1 g3 for 6 inch standard curb; g5 for 4 inch sloped curb.
- ② c1 for 6 inch standard curb; c2 for 4 inch sloped curb. See SW-541 for reinforcing.
- 3 The location station is where the centerline of intake meets the back of the curb line.

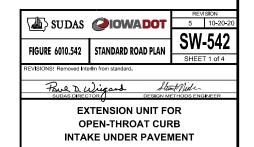
Placing sequence: 1. Base; 2. Walls and Extension; 3. Top; 4. Insert

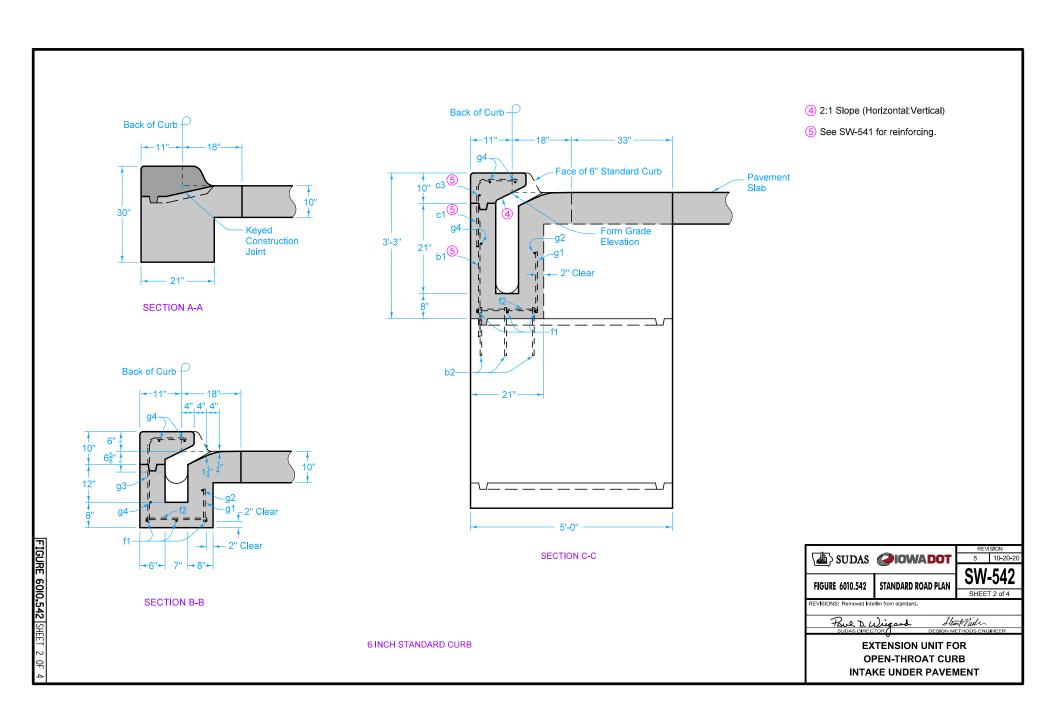
REINFORCING BAR LIST									
BAR	SIZE	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	SPACING		
b2	4	Intake Wall	Γ	3	2'-6"	5.0	9"		
f1	4	Bottom	_	3	4'-9"	9.5	9"		
f2	4	Bottom		4	1'-7"	4.2	18"		
g1	4	Wall	_	5	Varies*	Varies*	12"		
g2	4	Wall	_	1	4'-8"	3.1	-		
g3	4	Тор	П	4	Varies**	Varies**	18"		
g4	4	Тор	_	3	6'-4"	12.7	-		
g5	4	Тор		4	Varies**	Varies**	18"		

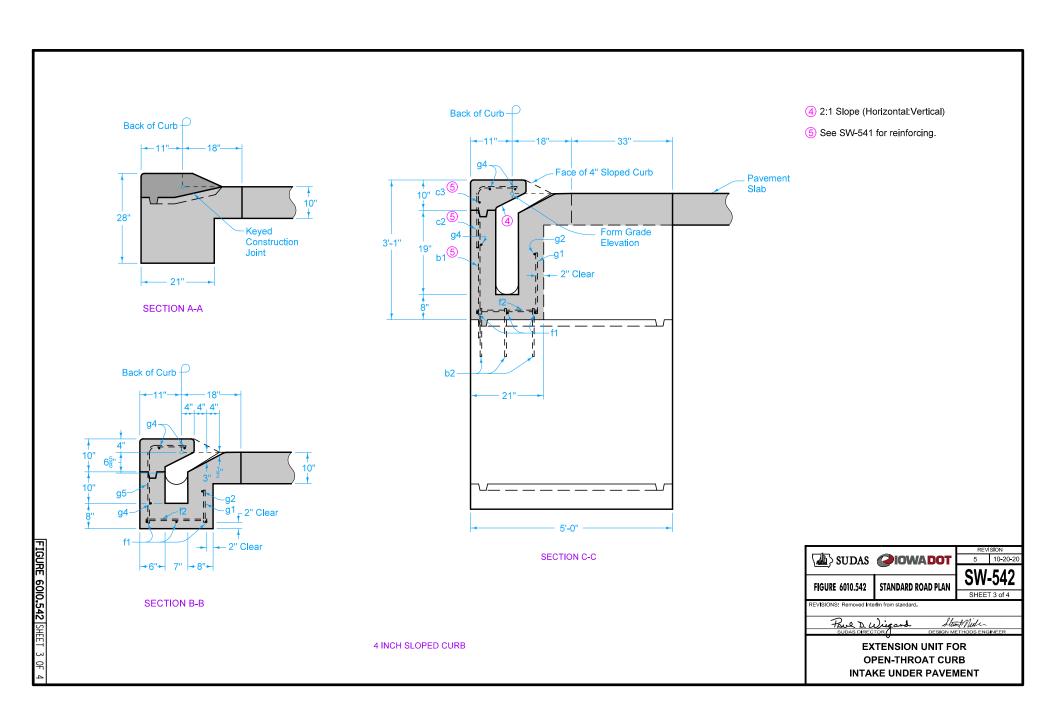


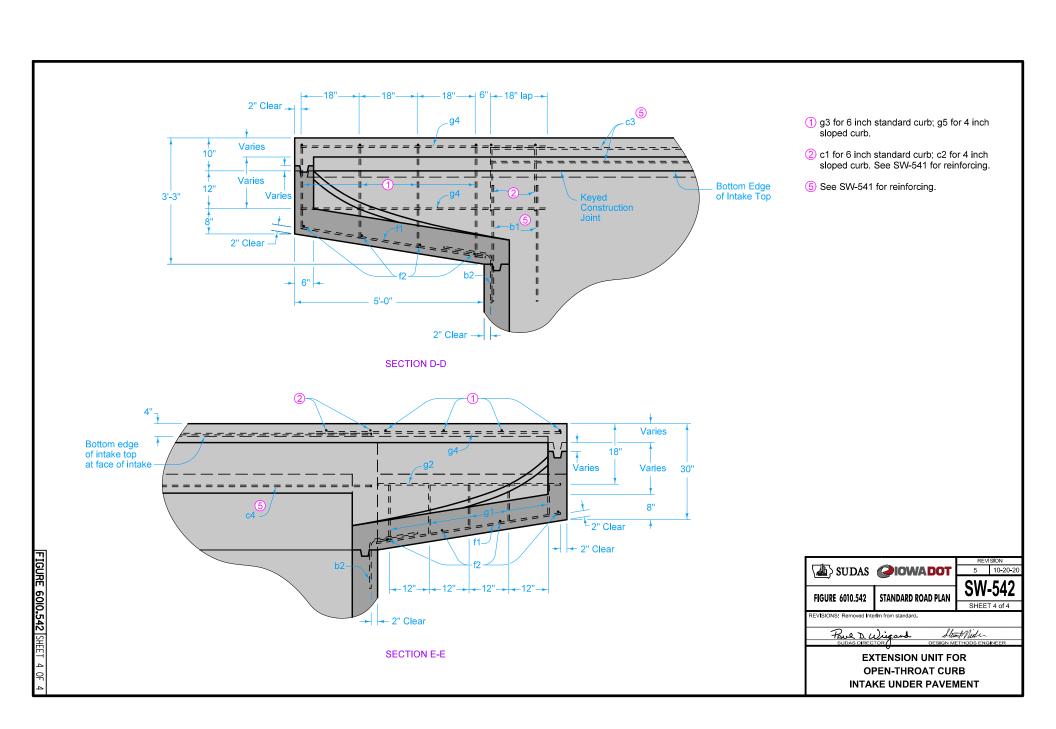


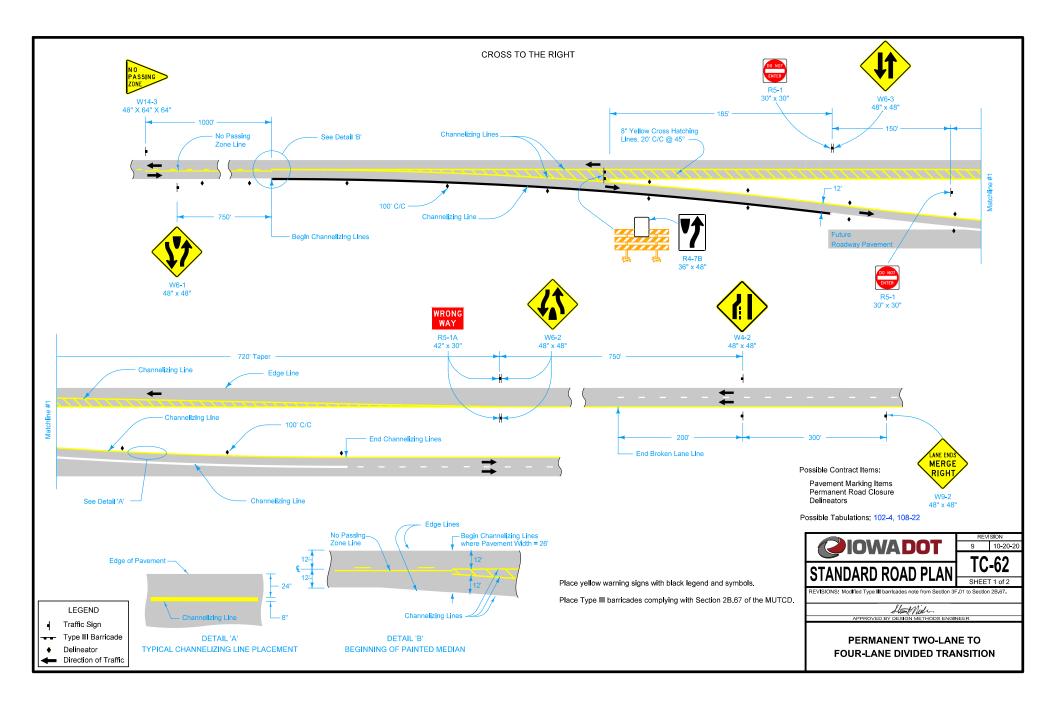


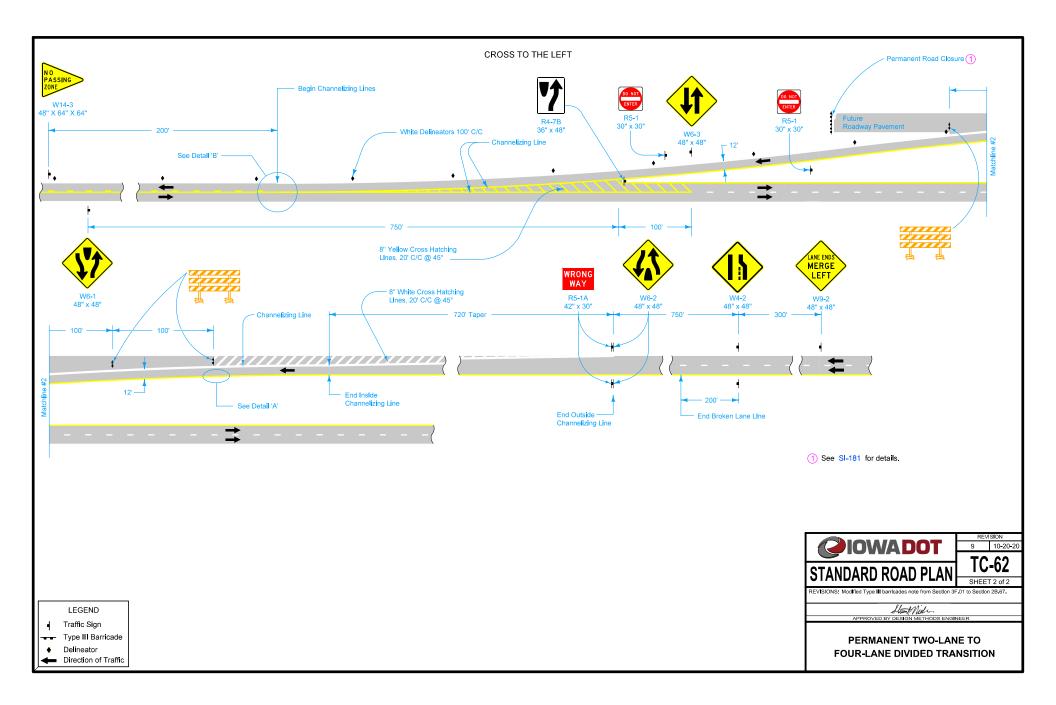


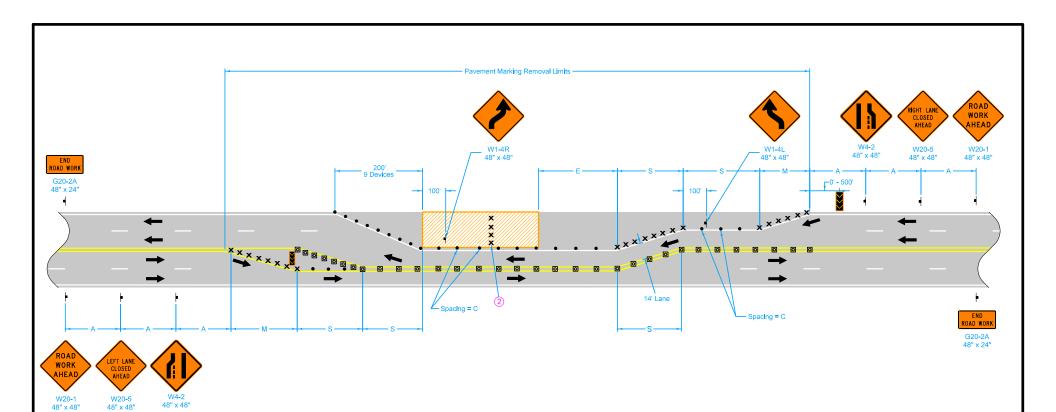












LEGEND

Traffic Sign

x Drum 1

42" Channelizer

(< < <

Arrow Board

Work Area

Direction of Traffic

Temporary Lane Separator System

SPEED LIMIT (mph)	А	С	D	Е	М	S
35 or less	250'	40'	35'	0'-200'	245'	140'
40	500'	80'	40'	0'-300'	320'	160'
45	700'	80'	45'	0'-400'	630'	315'
50	700'	80'	45'	400'	630'	315'
55 - 60	1000'	100'	55'	600'	770'	385'

For traffic control zones in place for 3 calendar days or less, place arrow boards, devices and signs as shown. For traffic control zones in place for 4 calendar days or more, also remove permanent pavement markings and place temporary pavement markings as shown.

When this layout is used during nighttime hours and the width of existing traffic lanes is 11 feet or less, use tubular markers to separate two-way two-lane traffic.

- 1 Spacing = D for drums placed in tapers.
- ② For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.
- 3 For work zones in place more than 3 calendar days, use TLSS. For work zones in place for 3 calendar days or less, 42" channelizers spaced at 40" c/c may be substituted for TLSS.

Possible Contract Items:
Pavement Marking Items
Pavement Markings Removed
Traffic Control
Temporary Lane Separator System

Possible Tabulation: 108-22

