

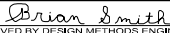
PLAN VIEW OF BRIDGE BERM (NON-BARNROOF FORESLOPE)

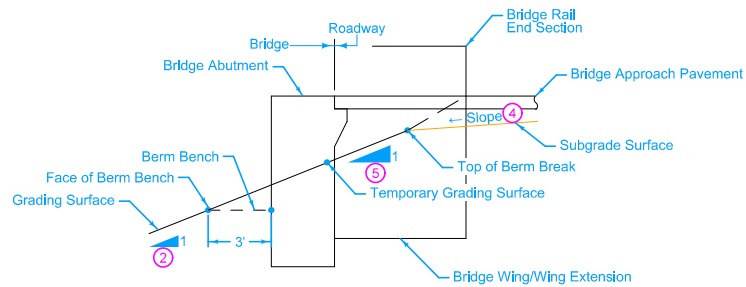
Grading Surface:
Refer to berm slope location table in project plans for locations of A, B, C, W and possible other points.

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

- ① Special shaping.
- 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.

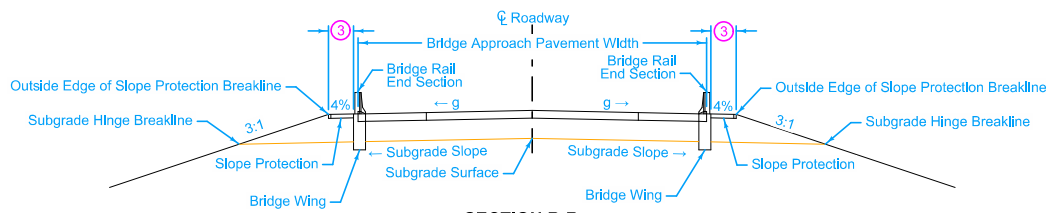
Possible Tabulation: 104-9

IOWA DOT	REVISION	
	5	10-17-17
STANDARD ROAD PLAN		EW-203
REVISIONS: Changed DR-304 to DR-306 on page 3.		SHEET 1 of 5
 APPROVED BY DESIGN METHODS ENGINEER		
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (NON-BARNROOF SECTION)		

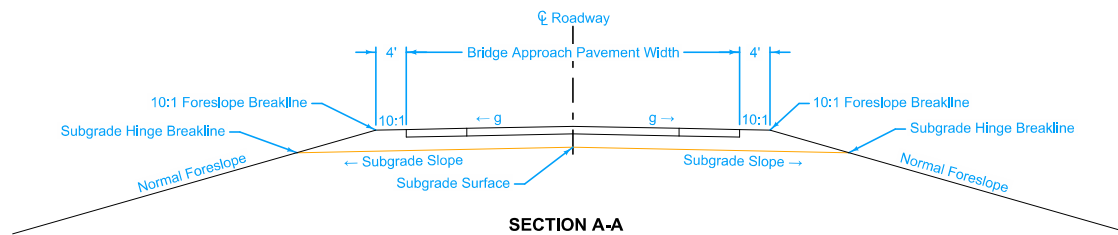


SECTION C-C

- 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.
 - ⑤ Temporary grading slope.
- g = pavement cross slope.

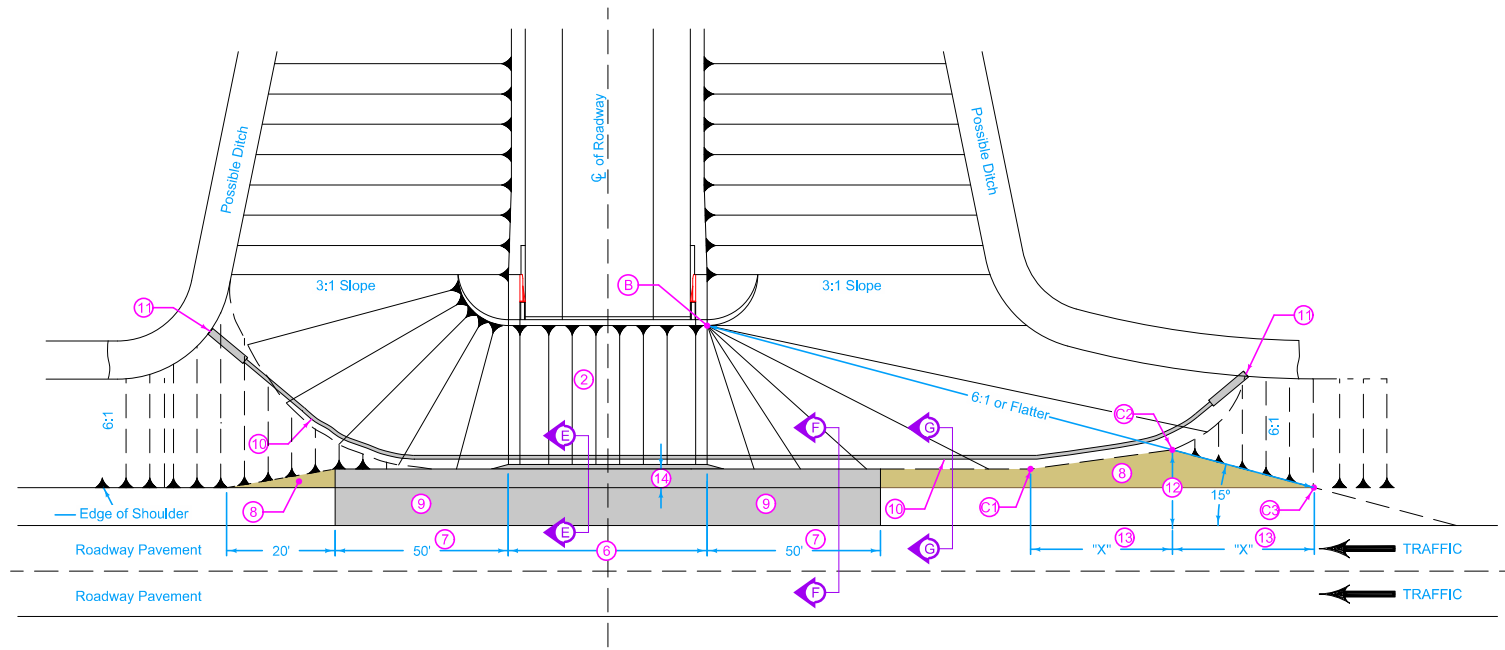


SECTION B-B



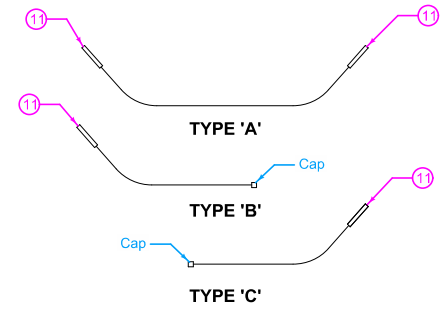
SECTION A-A

	REVISION	
	5	10-17-17
STANDARD ROAD PLAN		EW-203
REVISIONS: Changed DR-304 to DR-306 on page 3.		SHEET 2 of 5
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BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (NON-BARNROOF SECTION)		



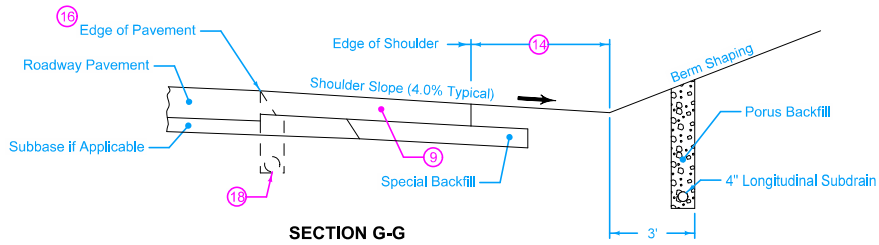
- ② Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.
- ③ Width of bridge slab + 3' on each side. Build 6" sloped curb to this width. Refer to PV-102 for curb details.
- ④ Includes curb runout length. Refer to PV-102 for curb runout details.
- ⑤ Match typical shoulder slope.
- ⑥ See typical cross-sections for details of paved shoulder.
- ⑦ Approximate location of bridge subdrain.
- ⑧ Refer to DR-306 subdrain outlet. When flow of subdrain does not require an outlet at both ends, cap the end without an outlet in a method approved by the Engineer.
- ⑨ 2 times typical shoulder width.
- ⑩ "X" distance based on station difference between points C2 and C3.
- ⑪ 5' offset unless otherwise noted on the Bridge Situation Plan. 4' offset minimum.

PLAN VIEW OF BRIDGE BERM AREA

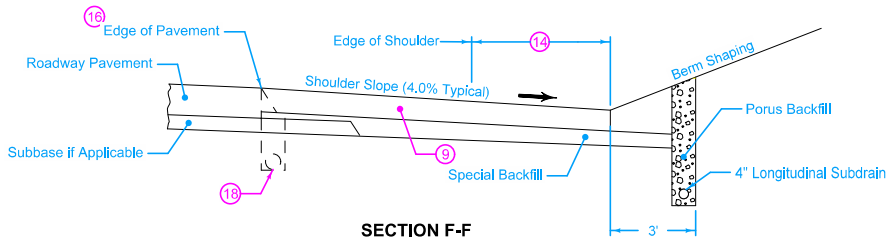


SUBDRAIN LAYOUT TYPES

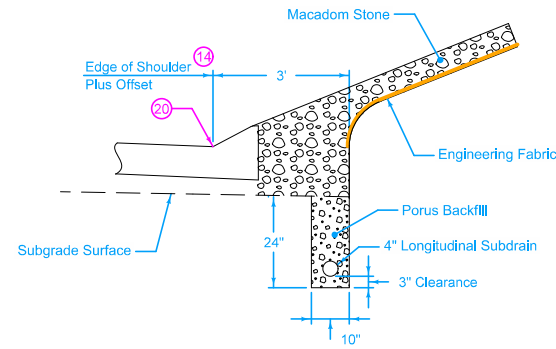
	REVISION
	5 10-17-17
STANDARD ROAD PLAN	EW-203
SHEET 3 of 5	
REVISIONS: Changed DR-304 to DR-306 on page 3.	
APPROVED BY DESIGN METHODS ENGINEER 	
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (NON-BARNROOF SECTION)	



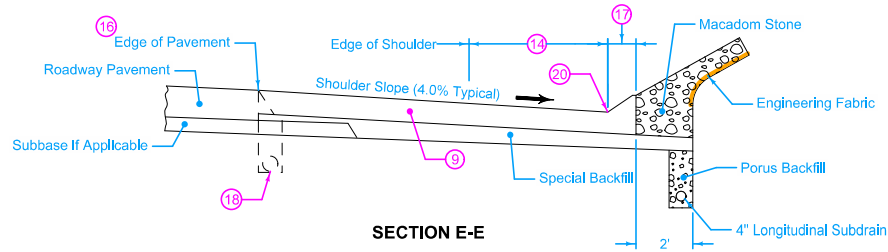
SECTION G-G



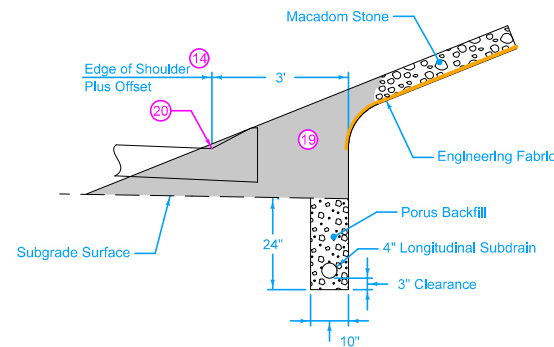
SECTION F-F



PARTIAL SECTION E-E
As constructed by others



SECTION E-E



PARTIAL SECTION E-E
Proposed construction


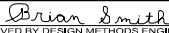
- 9 See typical cross-sections for details of paved shoulder.
- 14 5' offset unless otherwise noted on the Bridge Situation Plan, 4' offset minimum.
- 16 If roadway pavement is newly-constructed PCC, use BT-1 or BT-2 joint. If roadway pavement is existing PCC, use BT-3, BT-4, or BT-5 joint. Refer to PV-101 joint details.
- 17 6" sloped curb. Refer to PV-102 curb details.
- 18 Roadway subdrain location. Use caution when excavating. Maintain porous material in trench to bottom of roadway pavement.
- 19 Remove and stockpile macadam stone. Carefully separate the macadam stone from the surrounding soil. Preserve the integrity of the engineering fabric.
- 20 Toe of the berm. Refer to A points on the berm slope location table.

 STANDARD ROAD PLAN	REVISION
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	EW-203
SHEET 4 of 5	
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BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (NON-BARNROOF SECTION)	

This image can be viewed in 3D on the the ERL or at our website <http://www.iowadot.gov/design/stdrdpln.htm>



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	SHEET 5 of 5	
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