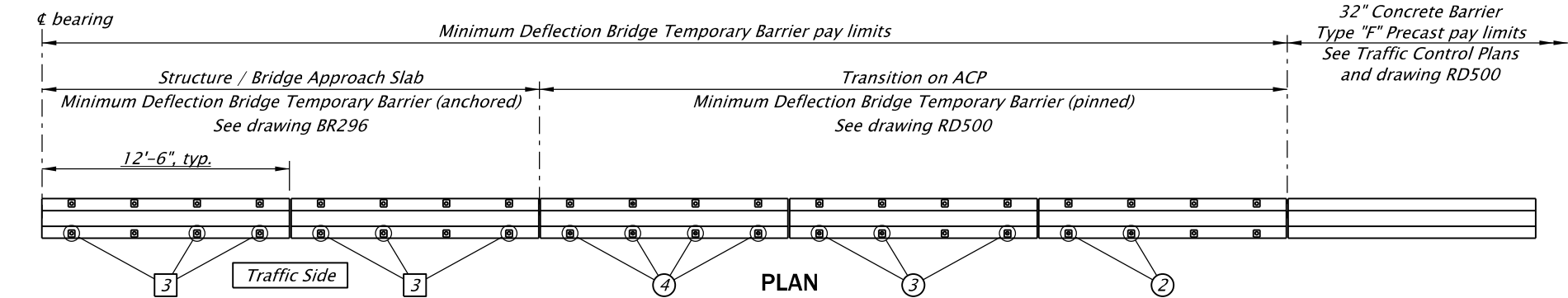
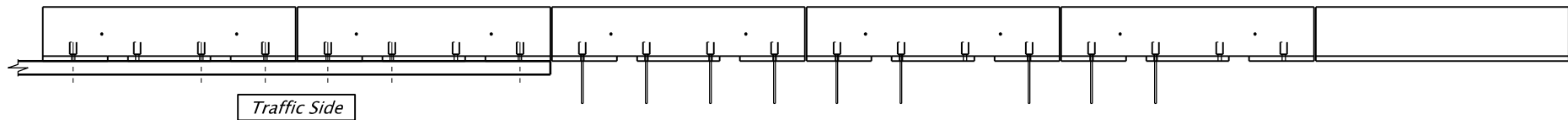


13-JAN-2026

BR295.dgn



PLAN

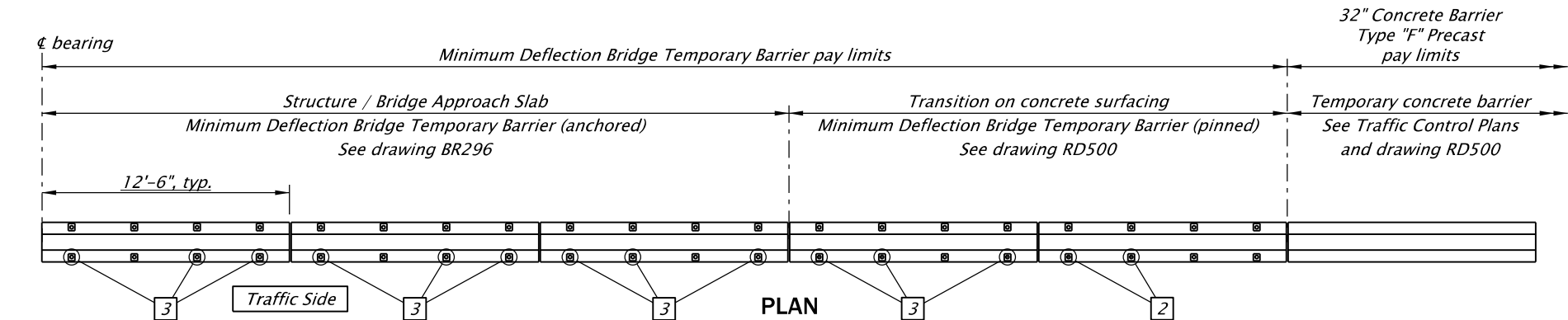


ELEVATION

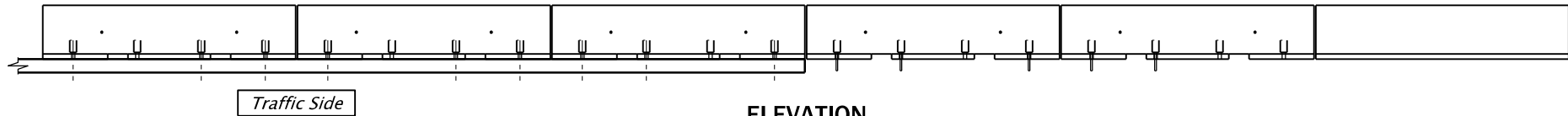
**MINIMUM DEFLECTION
BRIDGE TEMPORARY BARRIER
ON ACP**

Scale: 1/8"=1'-0"

NOTE:
Provide barrier transition
at each end of the bridge.



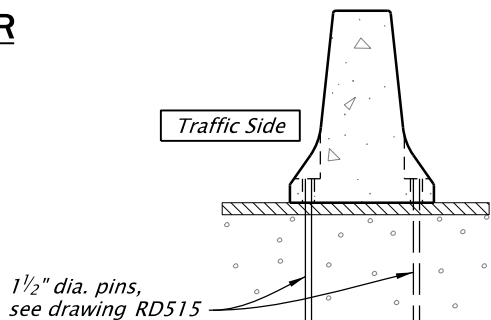
PLAN



ELEVATION

**MINIMUM DEFLECTION
BRIDGE TEMPORARY BARRIER
ON CONCRETE SURFACE**

Scale: 1/8"=1'-0"



SECTION PINNED BARRIER

Not to Scale
(Transitions only)

GENERAL NOTES

USE THIS DRAWING FOR TEMPORARY INSTALLATION AND MAINTENANCE PURPOSES ONLY. DO NOT USE FOR NEW OR PERMANENT INSTALLATIONS.

Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2024.

Minimum deflection bridge temporary barrier is designed and crash tested to meet MASH TL-3 loads.

All barrier is precast pin and loop type. See drawing BR296.

Provide all reinforcing steel according to ASTM A706, or AASHTO M31 (ASTM A615) Grade 60.

Provide Class 5000- 1 1/2, 1, or 3/4 concrete in precast barrier segments.

Provide 1" diameter Grade 36 anchor bolts, nuts and washers according to ODOT Specification 02560.30.

Provide plate washers according to AASHTO M270 (ASTM A709) Grade 36.

Provide and install (1 1/8" diameter F1554 grade (36) resin-bonded anchors with epoxy resin from the QPL. The characteristic bond stress used in the design is 1650 psi. The minimum pullout strength is 30 kips with a minimum embedment (hef) of 5.25". Install anchors according to the manufacturer's recommendations.

Bolt-down barrier should not be installed on AC wearing surface, due to excessive bolt bending in an impact.

Do not use this drawing with traffic on both sides of the barrier.

REMOVAL OF ANCHOR BOLTS:
Upon removal or relocation of barrier units, remove all anchor bolts and completely fill the remaining holes in bridge decks and approach slabs with an approved patching material from the QPL.

ANCHOR REQUIREMENTS:

ON STRUCTURE:	
Anchored barrier:	3 anchors per barrier segment on traffic side, through bolted or resin-bonded. Omit no more than 1 anchor consecutively along a continuous stretch of barrier.
TRANSITIONS:	
On concrete surfacing:	Two barrier segments, resin bonded anchors, numbers and locations as shown.
On AC surfacing:	Three barrier segments, 1 1/2" dia. vertical pins per drawing RD500, numbers and locations as shown.
(N)	"N" = Number of anchors or pins per barrier segment, at locations shown.
[N]	"N" = Number of through bolt or resin bonded anchors.

ACCOMPANIED BY DRAWINGS: BR296, RD500, RD501, RD503, RD515, RD516	
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.	

All materials shall be in accordance with the current Oregon Standard Specifications.		
OREGON STANDARD DRAWINGS		
MINIMUM DEFLECTION BRIDGE TEMPORARY BARRIER - 1		
2024		
DATE	REVISION DESCRIPTION	
01-2026	New drawing.	
CALC. BOOK NO.		SDR DATE 13-JAN-2026
		BR295

Effective Date: June 1, 2026 – November 30, 2026