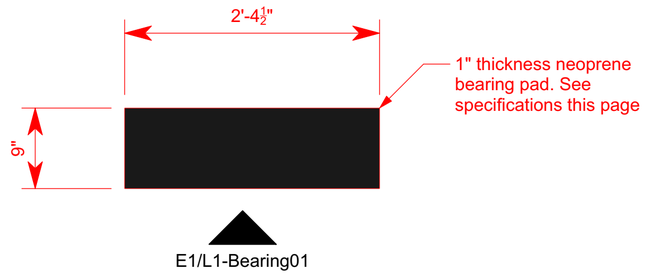

G1 Plan

Scale: 1" = 1'-0"

E1 Elevation

Scale: 1" = 1'-0"

Bearing Pad Technical Specifications

ASTM Test Method	Properties	Neo 70A values
	Specific Gravity (gr/cc)	1.28
D2240	Hardness (Shore A)	70
D412	Tensile (psi)	2,250 min.
	Ultimate Elongation (%)	300 min.
D2137	Cold Temperature (˚C)	-40˚C min.
D395B	Compression Set	22 hrs @ 100˚C
		35% max.
D573	Heat Aging	70 hrs @ 100˚C
		Changed
		Hard. + 15 points
		Tensile: -15% max.
		Elong.: -40% max.
D1171	Ozone Resistance	100 hrs @ 100 PPHM @ 37.7˚C
		20% strain, no cracks
M251-06, polyisoprene, Grade 2		

Semantic Data Requirements & Notes

IfcBuiltElement	IfcBearing			
		IfcBearing.Name	PadBearing-A01	
IfcBuiltElementType	IfcBearingType			
		IfcBearingType.Name	A	
	PreDefinedType	IfcBearingTypeEnum	ELASTOMERIC	
Pset_BearingCommon				
	DisplacementAccommodated			
	RotationAccommodated			

PRELIMINARY

No.	Date	Issue/Revision Notes

BIM FOR BRIDGES AND STRUCTURES TPF-5(372)

Design Firm: HDR, Inc. Omaha, NE

Consultant: Jeffrey W. Ouellette, Sr. Advisor, Software Vendor Engagement

Unit Test Name:

Sheet Title: Bearing, Pad, Neoprene

Project Manager | Date

Drawn By: J. Ouellette | Reviewed By

CAD File Name: 4_Polk Ramp B over UPRR_Design 2118_2022.vwx

Project ID: 123456789

Sheet No.: L1-Bearing01