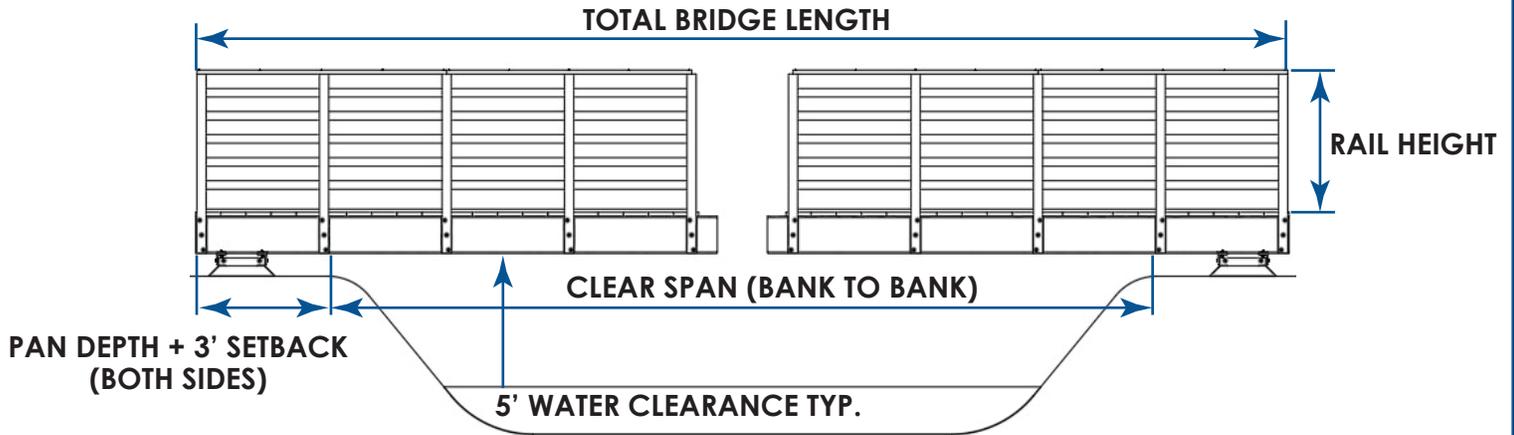
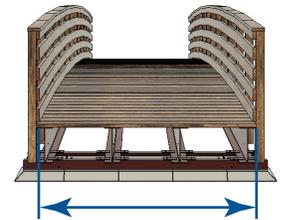
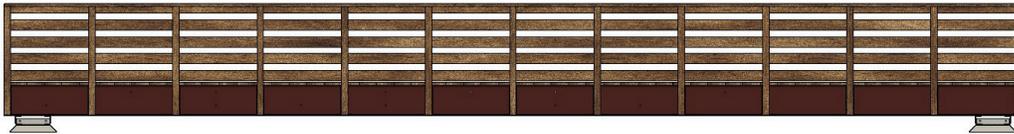


HOW TO MEASURE YOUR BRIDGE



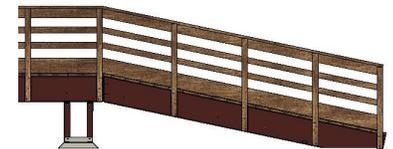
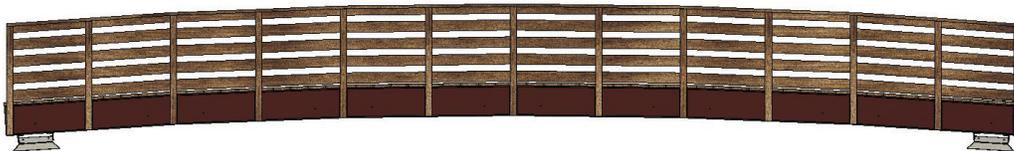
BRIDGE OPTIONS

FLAT - UP TO 55' SPAN



BRIDGE WIDTH

ARCHED - UP TO 110' SPAN



APPROACHES

RAIL & SKIRT OPTIONS



PEDESTRIAN HORIZONTAL
42" & 54"



VERTICAL SPINDLED
42" & 54"



BEAM SKIRTS



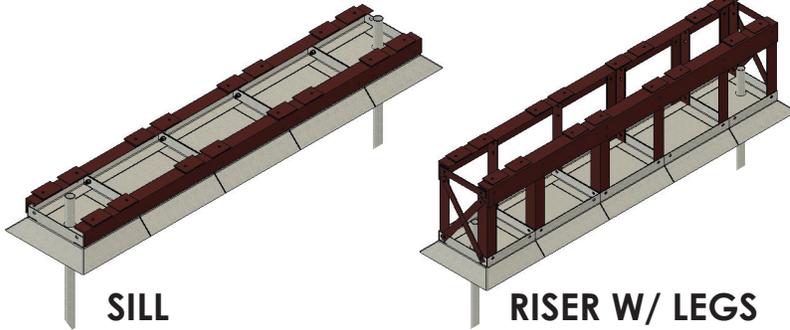
42" TRAIL



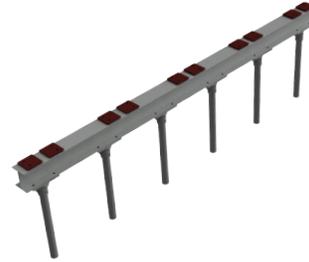
CURB & OTHER

FOOTING OPTIONS

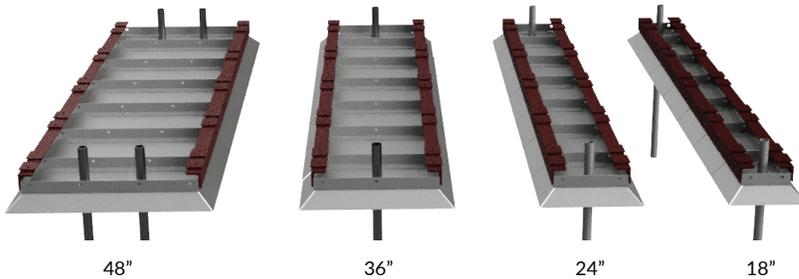
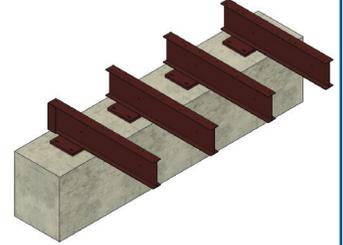
MODULAR BEARING PAN FOOTINGS



HELICAL PILES



CONCRETE FOOTINGS (by others)



Bridge Pan Bearing Area	8' Wide	+/-2'
18"	15.1 sq ft	3.13 sq ft
24"	19.8 sq ft	4.12 sq ft
36"	29.4 sq ft	6.10 sq ft
48"	38.9 sq ft	8.08 sq ft

Structural Capacity utilizes the theory of a beam on a continuous elastic support

Ref: Foundation Analysis and Design, 3rd Ed., , 1982, section 9-7, pages 326 - 329

Ref: Advance Mechanics of Materials, 2nd Ed., 1952, Chapter 7, pages 188 – 219

BRIDGE SPECIFICATIONS A Trail Specification Bridge will cost less than an AASHTO Bridge

	Trail Spec (Allowable Stress)	AASHTO Pedestrian (LFRD)
Pedestrian Load	60 psf	90 psf
Snow Load	30-60 psf (location dependent)	n/a
Vehicle Load	4k, 10k, 14k, 25k + Based on need	AASHTO H5 (10k) AASHTO H10 (20k)
Load Combinations	DL + .80 * (PL + SNL + WL) DL + .75 * (VL + SNL + WL)	1.25*DL+1.75*LL (Strength I) 1.25*DL+1.4WL (Strength III) DL+LL+WL (Service I)
Rail Loading	50 lbs/linear foot (both directions simultaneous) 200 lbs point load	50 lbs/linear foot (both directions simultaneous) 200 lbs point load + 50 plf simultaneous
Vertical Deflection	L/360	L/360 (Ped) L/800 (Vehicle) L/1000 (Vehicle + Ped)

download specs at www.custombridgesandboardwalks.com/specs

download drawings at www.custombridgesandboardwalks.com/drawings