

BEAM ON ELASTIC FOUNDATION ANALYSIS For Soil Supported Beam, Combined Footing, Slab Strip or Mat Strip of Assumed Finite Length with Both Ends Free

Job Name:	Example
Checker:	John Smith
Date:	August 3, 2023

Notes: Metrics and graphs provided for design given loading conditions and DUF from site walk.

INPUTS		
Soil Deflection Under Foot	4	in
SGM (subgrade modulus)	1.75	pci
Load Point(s) Configuration	2	
2 Point Spacing	8	ft
Load Offset from Center	0	ft
Load at Point(s)	22	kips
Width of Load Distribution	4	ft
Matting	Emtek 4.5x4x24	
Mat Length	24	ft
Length of Load Distribution	3	ft
Layers	1	

61%
14%
-3.7''
0.0''
6.6 psi
4.2 psi

*MACSUU is an estimating tool.

Values should be verified by a licensed engineering professional.

GRAPHS



