

Wheel Load Design Analysis

Project

Date: 5/1/2014

Name: Sample Project

Location: Buffalo Grove

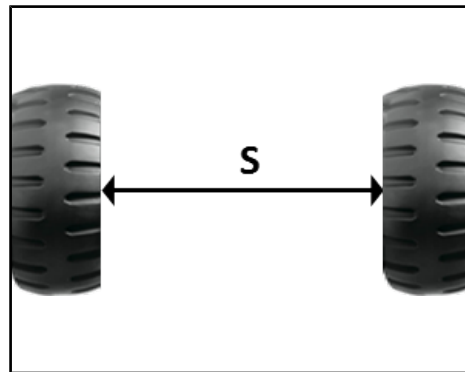
Engineer: Mike McPhee

Criteria

Compressive Strength (psi):	4,000.00	Column Spacing (ft):	50.00
Flexural Strength (psi):	600.00	Contraction Joint Spacing (ft):	25.00
Subgrade Modulus (pci):	100.00		

Wheel Configuration: Single Axle

Axle Load (lb):	10,400.00
Axle Length (in):	30.00
Dual Wheel Distance (in):	0.00
Axle to Axle Distance (in):	0.00
Contact Pressure (psi):	100.00
Contact Area (in²):	52.00



CFS Steel Fiber Design

Fiber: CFS100-2

Fiber Dosage (lb):	40	Tensile Stress (psi):	227.40
Slab Thickness (in):	6	Interior Safety Factor:	2.64