



## HIGH-PERFORMANCE ALTERNATIVE FOR UTILITY RELOCATION OR REPLACEMENT

### Terra Cap™ Overview

Whether it is a local roadway, highway, or even an airport runway when network expansions and updates impact existing underground utilities you need the right solution. Time, money, and most importantly worker safety are all critical considerations.

Terra Cap™ protects the utility from damages due to construction activities with numerous advantages and uses responsible, effective, and innovative ways to invest and spend tax dollars to improve sustainable communications infrastructure.

### Terra Cap™ Solution

Following an extensive project evaluation, Congruex determines the viability and requirements for Terra Cap™. Based upon the size, type, and depth of the underground utility, our engineers can customize a Terra Cap™ product to meet your needs. Terra Cap™ is designed in accordance with AASHTO standards and exceeds the HS20 design loading criteria of:

- 16,000-pound axle load
- 10" x 20" tire footprint
- 30% impact load
- Distributed 1.75H

## Terra Cap™ Results

**Reduced Risk of Future Pavement Disturbance:** Terra Cap™ creates a nearly impenetrable barrier to the utility thereby reducing the chances for incidental damage that would require excavation in pavement to repair.

**Time:** Because of its design, Terra Cap™ can be installed with conventional construction equipment and can be installed in conjunction with other roadway work. No longer are utility conflicts the controlling element on a project.

**Dollars:** Terra Cap™ can be installed at a fraction of the cost of relocating the utility and even affords significant cost savings and greater performance over poured in-place concrete.

**Expandable Infrastructure:** Terra Cap™ was designed to allow for the placement of additional conduits under its protective cover thereby expanding the utility infrastructure with no impact on the roadway or motoring public.

