



HIGH-PERFORMANCE ALTERNATIVE FOR UTILITIES RELOCATIONS OR REPLACEMENTS

Problem

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

Solution

Following an extensive project evaluation, Congruex determines the viability of and any customizations required for the 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

the workers who may encounter the utility during and after construction.

Responsible, effective and innovative ways to invest and spend tax dollars to improve our transportation system.

Terra Cap™ protects the utility from damages due to construction activities with numerous additional advantages.



The Terra Cap™ Advantages:

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 in order 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.



Congruex is a national leader in designing and building better networks. For more information contact us at (720) 749-2318 or congruex.com