

Design
Value Engineered Roads
with LithTec™

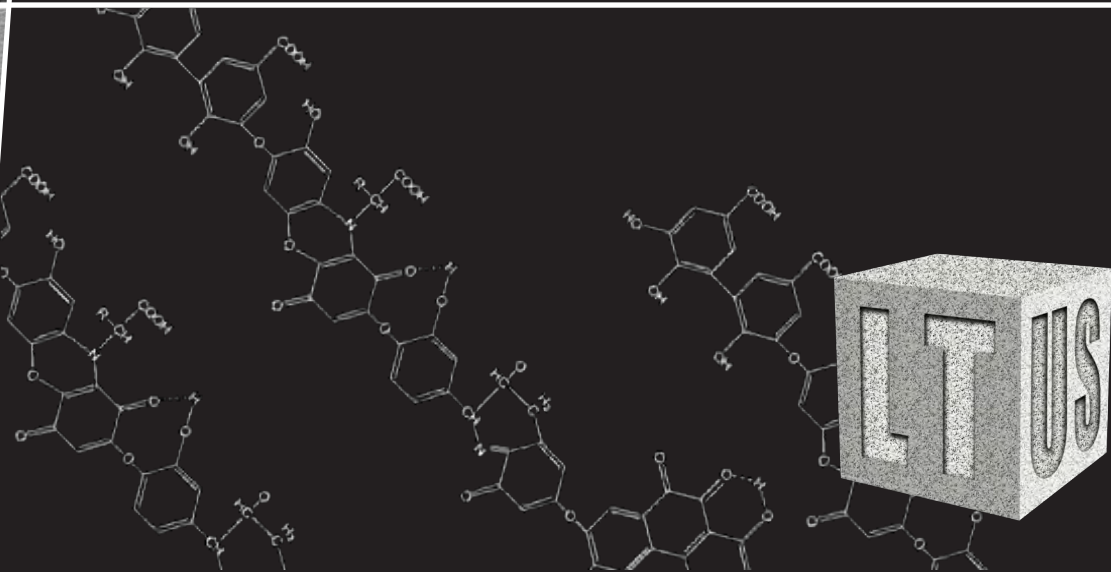


High Performance

Optimization

Due to the high volume of materials in road construction, optimization is the key to the success of each project.

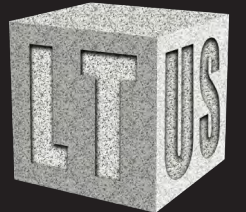
To maximize the high performance potential of your roads, Lithified Technologies US provides a Value Engineer package that includes Product Performance, Geotechnical Sampling, Product Customization, Soil Testing, and On-site Performance Testing. Utilizing all of these core advantages Lithified Technologies US is able to support you in producing the highest performing, longest lasting roadways possible at the most affordable price point.



Accelerated Lithification Technology

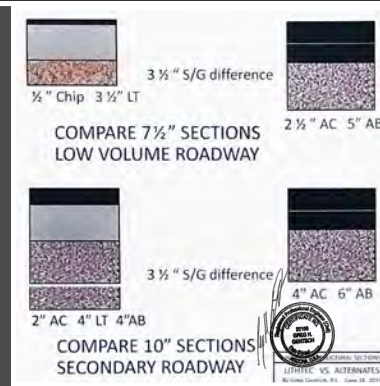
LITHTEC4ROADS™

Rebuilding Failing Roads for a Fraction of the Cost





Optimized Products



Design Support



Geotechnical Testing



Installation Training

STEWARDSHIP

At Lithified Technologies US, we believe in being the stewards of our community's well-being. That includes supporting the rebuilding of our nation's crumbling roads with a long-lasting low-cost alternative.

Our aim is to lead with a paradigm shift that enables the road building industry to construct sustainable roads across the US.

Next Level Service, Performance, & Rock Solid Dependability.

PRODUCTS FOR ROADS THAT LAST

LOS ALAMOS NATIONAL LABS REPORT

"The LithTec™ samples suggest that they are potentially ideal materials for the construction of flexible surface and base layer pavements that can be optimized for local conditions."

"The mechanical properties of the three aggregate types are drastically improved over those of the 'as-is' base aggregate and clay samples indicating that the LithTec™ formula is very efficient at bonding these materials."

by, Gilles Y. Bussod (PI), LANL
14 December, 2019

Complete report is available to download at www.LithTec.com

THE PROBLEM & SOLUTION

Currently there are simply more failing roads than there are funds to rebuild them. Traditional asphalt reconstruction is prohibitively expensive. Road departments can only afford to complete surface maintenance which offers temporary relief and consumes too much time, energy and budget without solving the underlying causes of the road failures. Thus, road departments are faced with rising failed asphalt inventory each year without a solution that fits their limited budgets.

Lithified Technologies US brings the Solution to these problems by providing **long-lasting roads with asphalt performance rides for a fraction of the cost.**

VALUE ENGINEERING

By utilizing LithTec4Roads™ unique combination of strength, elasticity and non-dispersive properties in your road's base, roads can now be value engineered for reduced base lift depth and pavement thickness. This reduces the amount of surface asphalt or concrete necessary. LithTec™ can carry the structural load and is a fraction of the price of asphalt or concrete resulting in a **lower overall cost and a longer lasting road.**

When faced with a significant number of miles of failing asphalt or failing gravel roads on a limited budget, you can now build affordable roads by reclaiming the materials you have already paid for. **The result is safer all-weather roads for a fraction of the cost.**

DATA YOU CAN TRUST

LithTec4Roads™ is being installed in numerous cities, counties and states. Our road products have been tested by third party labs, approved by engineers, and specified in many public and private projects. At Lithified Technologies US, we are all about data. We offer comprehensive geotechnical lab testing located in Santa Fe, NM, capable of providing **CBR, UCS, SHRINK-SWELL, CORRELATIVE RESILIENT MODULUS (Mr), PI, GRADATION, and DISPERSION.** We invite you to see the results for yourself.

LITHIFICATION FOR THE ENVIRONMENT

LithTec™ significantly reduces the environmental impact of road reconstruction. Low dosages of LithTec™ are mixed in with the recycled on-site surface and base materials you have paid for in prior installations to provide **unprecedented** performance. Installing LithTec4Roads™ eliminates the need to export existing on-site materials as well as importing replacement materials, meaning significantly less transport, less fuel consumption, and lower CO2 emissions.



A PARADIGM SHIFT IN ROAD CONSTRUCTION

"Roads are like life, a solid foundation is the key to success. You have to fix the underlying problems to truly fix your roads. In all aspects of the road construction process we strive to go the extra mile for our clients."

Josh Cantrell, Chief Operations Officer