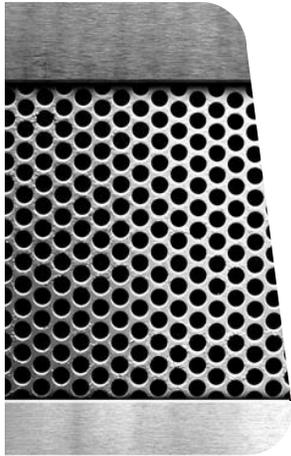


# LITHIFIED TECHNOLOGIES EXECUTIVE SUMMARY



## ABOUT LithTec™

A standard road-base treated with LithTec™ produces unprecedented load bearing capacity by transforming traditional untreated base course that averages 25,000 PSI Modulus into a High-Performance road-base that has 500,000 PSI Modulus. By increasing the road's load bearing capacity by over 2,000%, road designers and engineers can transfer the "structural credits" (the strength and load bearing capacity) normally found in the asphalt surface, into the LithTec™ treated base, which can be achieved at a fraction of the price of the cost of asphalt. As a result, the asphalt thickness may be reduced by as much as 67%. For example, a 6" asphalt surface could be reduced to only 2" or 3" which saves 50% to 67% of the cost of asphalt. The most expensive component in building a road is the asphalt surface. LithTec™ increases the performance and longevity of a road while significantly reducing the overall costs, which is achieved through "Value Engineering."



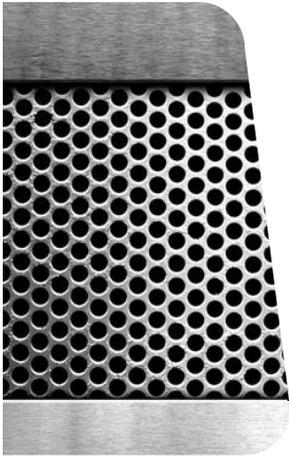
## LithTec™ ADVANTAGES & DIFFERENCES

Lithified Technologies is the first company in the world to run a battery of tests on the local road base materials found in each project, then creates a custom formulation designed to optimize the performance in that specific material. The customize LithTec™ treated base now greatly outperforms the industry standards.

LithTec™ is also the first product that produces both high strength and high ductility simultaneously. Until now these properties have never co-existed in one product. Geotechs can observe and measure strength and ductility in soil and pavement designs however, these properties are generally not present at the same time. A LithTec™ treated base produces both high strength and high ductility and also remains bound and nondispersive when submerged under water. These qualities are all achieved through a process called "Accelerated Lithification", which decreases the porosity, increases the binding potential, is resistant to abrasion and ultimately turns soil into stone. LithTec's™ high performance criteria include: (greater than or equal to)  $\geq 500,000$  psi Mr.,  $\geq 200$  CBR,  $\geq 400$  UCS, and  $\geq .8$  Strain Failure.

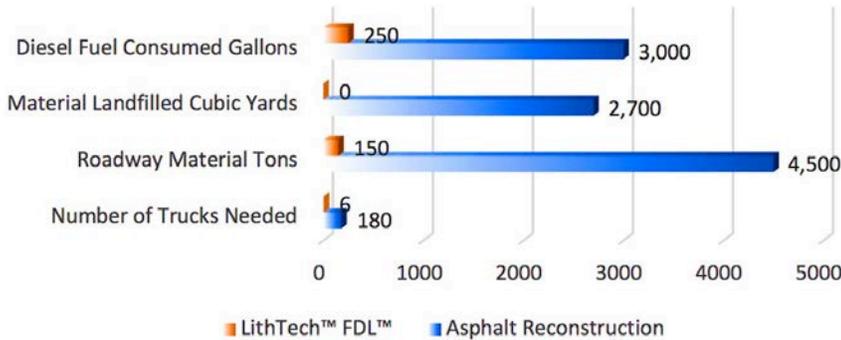


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## LithTec™ GREEN TECHNOLOGY

LithTec™ Reduces in the carbon footprint by over 95% compared to traditional road construction methods.



LithTec™ has passed the EPA Synthetic Leaching Procedure test (SPLP 1312) which means that LithTec™ does not leach any harmful ingredients into the water tables. In addition, scientific studies performed on LithTec™ show it can encapsulate toxic chemicals found in mine tailings and abandoned uranium mines and can encapsulate them in such a way to prevent any leaching of harmful chemicals into the water sources.

## LithTec™ SAVINGS

- Numerous counties across the country have discovered that a LithTec™ treated road base with a chip seal surface will provide an asphalt performance road for approximately 25 cents on the dollar, compared to a traditional asphalt road.
- Failing asphalt roads can be reconstructed with LithTec's™ recycle in place Full Depth Lithification™ (FDL) process which saves 30% to 50% over traditional Full Depth Reclamation (FDR) projects.
- LithTec™ saves time and money as the installation process is at least 50% faster. When equipment and labor are mobilized to build a road, the cost is approximately \$30,000 per day. When the installation time is cut in half, so are the savings.
- Reduction or elimination of the import and export of materials.
- Reduction in the thickness of the asphalt pavement design.
- A LithTec™ Road cost less to build and maintain.

