

# MINERALS REBUILDING AMERICA

America's tunnels, roads and bridges are crumbling. In 2021, the U.S. received a C- in the American Society of Civil Engineers' (ASCE) Infrastructure Report Card.<sup>1</sup> To repair and modernize our infrastructure, we need bold investments, starting with a large and stable supply of domestically-sourced minerals.

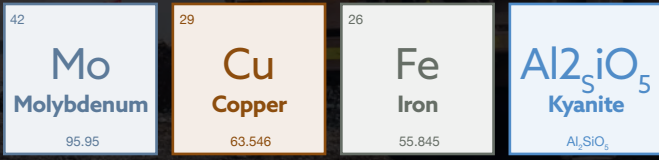
**\$2T**

Policymakers are calling for \$2 trillion to repair and revitalize our nation's infrastructure.

**C-**

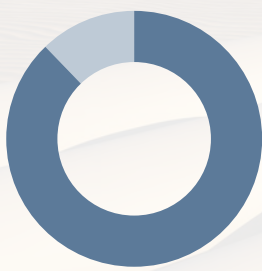
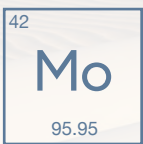
U.S. infrastructure received a C- and is ranked 13th in the world for overall quality.<sup>2</sup>

Minerals like these form the foundation of our nation's:



## THE REINFORCER: MOLYBDENUM

There is little substitute for **molybdenum** in steel and iron casting.



**88%**  
Metallurgical applications<sup>3</sup>



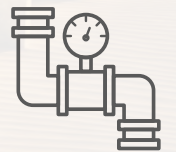
Skyscrapers



Power plants



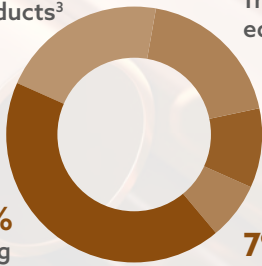
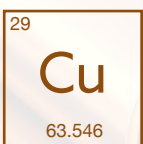
Construction equipment



Gas pipelines

## THE CONDUCTOR: COPPER

**21%**  
Electrical and electronic products<sup>3</sup>



**43%**  
Building construction<sup>3</sup>

**19%**  
Transportation equipment<sup>3</sup>

**10%**  
Consumer and general products<sup>3</sup>

**7%**  
Industrial machinery and equipment<sup>3</sup>



High transmission power lines



Phone lines



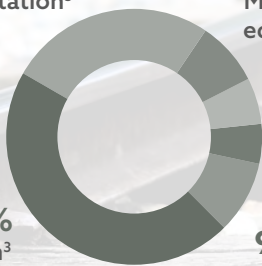
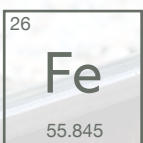
Advanced energy technologies



Power cables

## THE STEEL MAKER: IRON ORE

More than **95%** of **iron** made is transported to steelmaking furnaces.



**46%**  
Construction<sup>3</sup>

**26%**  
Transportation<sup>3</sup>

**8%**  
Machinery and equipment<sup>3</sup>

**6%**  
Energy<sup>3</sup>

**5%**  
Appliances<sup>3</sup>

**9%**  
Other<sup>3</sup>



Railways



Bridges



Tunnels



Nails

## THE INSULATOR: KYANITE

**Kyanite** is transformed into **mullite**, an essential material that is rare to find naturally.<sup>3</sup>



**10%**  
Automotive brake shoes, ceramic products, electrical insulation<sup>3</sup>

**54-63%**  
Iron and steel industries<sup>3</sup>

**27-36%**  
Cement, chemicals, and glass industries<sup>3</sup>



Railways



Wire insulation



High transmission power lines



Phone lines

## ABUNDANT U.S. MINERAL RESOURCES



Despite more than **\$6.2 trillion** in mineral reserves, the U.S. is currently **100% import-dependent** for **17** key minerals and more than **50% reliant** for another **29**. The U.S. must **secure its mineral supply chains** and **encourage greater domestic production** to address our crumbling infrastructure. Broken mine permitting policies keep these minerals locked underground and continue our **dependence on foreign producers**. It's time for America to **rebuild our infrastructure** with American minerals. Let's fix what is broken and **build back better** while creating high-paying U.S. jobs.

### Sources

- <https://infrastructurereportcard.org/>
- [http://www3.weforum.org/docs/WEF\\_TheGlobalCompetitivenessReport2019.pdf](http://www3.weforum.org/docs/WEF_TheGlobalCompetitivenessReport2019.pdf)
- <https://pubs.usgs.gov/periodicals/mcs2021/mcs2021.pdf>