

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.¹ 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.²

42 Mo Molybdenum 95.95	29 Cu Copper 63.546	26 Fe Iron 55.845	Al₂SiO₅ Kyanite Al ₂ SiO ₅
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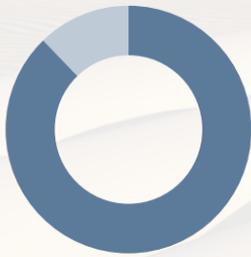
Minerals like these form the foundation of our nation's:



THE REINFORCER: MOLYBDENUM

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

42 Mo 95.95



88%
Metallurgical applications³



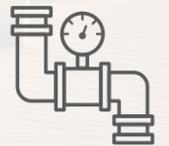
Skyscrapers



Power plants



Construction equipment

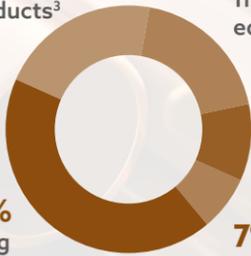


Gas pipelines

THE CONDUCTOR: COPPER

21%
Electrical and electronic products³

29 Cu 63.546



43%
Building construction³

19%
Transportation equipment³

10%
Consumer and general products³

7%
Industrial machinery and equipment³



High transmission power lines



Phone lines



Advanced energy technologies

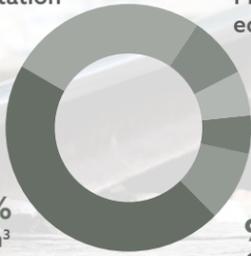


Power cables

THE STEEL MAKER: IRON ORE

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

26 Fe 55.845



46%
Construction³

26%
Transportation³

8%
Machinery and equipment³

6%
Energy³

5%
Appliances³

9%
Other³



Railways



Bridges



Tunnels



Nails

THE INSULATOR: KYANITE

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

Al₂SiO₅



10%
Automotive brake shoes, ceramic products, electrical insulation³

54-63%
Iron and steel industries³

27-36%
Cement, chemicals, and glass industries³



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
- <https://pubs.usgs.gov/periodicals/mcs2021/mcs2021.pdf>