



## The American Steel Industry - A Job Engine

**Fact:** The U.S. steel sector is a backbone industry to the American economy.

- America's world-class steel industry contributes \$350 billion to our economy and generates 1.2 million jobs.
- For every one direct job, steel creates seven jobs in other economic sectors.
- Steel is the vanguard of manufacturing, essential to the [automotive](#), [construction](#) and [defense industries](#).

**Fact:** Innovation and technology have transformed America's steel industry into one of the world's most competitive, sustainable and environmentally progressive industries.

- Steel productivity has more than tripled since the early 1980s - making America stronger at home and abroad.
- Through funding by the U.S. Department of Energy (DOE), AISI's automotive program has accelerated technical developments leading mass reduction with steel by up to 31%, taking steel closer to the FreedomCAR goal of 50% mass reduction.
- AISI Member Companies are investing in new research called the [CO<sub>2</sub> Breakthrough Program](#), investigating revolutionary ways of making steel while emitting little or no CO<sub>2</sub>.

**Fact:** America needs, and the steel industry supports, a long-term transportation reauthorization bill enacted before the spring construction season, which will help to create thousands of jobs while retooling our highways, rail and waterways, all of which will help rebound the economy.

- Construction unemployment is at 23%.
- According to the U.S. Department of Transportation, *one out of four* bridges is either structurally deficient or functionally obsolete.
- A *structurally deficient* bridge has limited structural capacity that may result in weight limitations that restrict traffic or create lengthy detours. A *functionally obsolete* bridge has outdated design features and geometrics resulting in restrictions on traffic volumes, vehicle sizes, and weights.
- Of the 603,310 bridges across the country (as of Dec. 2009), 71,181 (12%) were categorized as structurally deficient and 78,482 (13%) were categorized as functionally obsolete (USDOT, Dec 2009).
- Highway funding creates an employment multiplier. In addition to employment of construction workers directly engaged with bridge repair and replacement, bridge funding produces manufacturing jobs from material suppliers, fabricators, and construction equipment producers, as well as indirect employment resulting from wages to supporting industries.

## America's Sustainable Steel Industry is Creating Green Jobs

**Fact:** America's steelmakers are leading the way in recycling and environmental performance. Steel jobs = green jobs.

- The American steel industry is ahead of Kyoto greenhouse emission goals by 240%, and is developing innovative technologies to continue setting new benchmarks.
- Since 1990, American steelmakers have [voluntarily reduced the energy required](#) to produce one ton of steel by 33%.
- If current available advanced high-strength steels (AHSS) were applied throughout the present U.S. automotive fleet, greenhouse gas emissions from automobiles would be reduced by approximately 12%--an amount greater than the emissions generated by the entire American steel industry today.
- [Three-fourths of all American steel ends up recycled](#) into new products, part of the steel industry's comprehensive environmental commitment.
- More steel is recycled each year--more than all other materials—aluminum, paper, glass and plastic--combined.
- As a result of our commitment to continued improvement, air and water emissions are 90% lower than a decade ago.