

Passenger Rail & Transit Rail Manufacturing in the U.S.

BLUEGREEN[®]

ENVIRONMENTAL LAW & POLICY CENTER

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Today, the BlueGreen Alliance unites 15 of our country's largest unions and environmental organizations. Acting together, through nearly 16 million members and supporters, we are a powerful voice for building a cleaner, fairer and more competitive American economy.

The BlueGreen Alliance advocates the growth in the number and quality of jobs in the clean economy by expanding a broad range of industries, including renewable energy, energy efficiency, the substitution of safer, cleaner chemicals, modern transportation systems and advanced vehicle technology, domestic manufacturing, high-speed Internet and a smart, efficient electrical grid, green schools and other public buildings, improving our nation's water infrastructure, recycling, and sustainable agriculture.

Our staff design public policies, perform research, and run advocacy and public education campaigns in support of our mission.

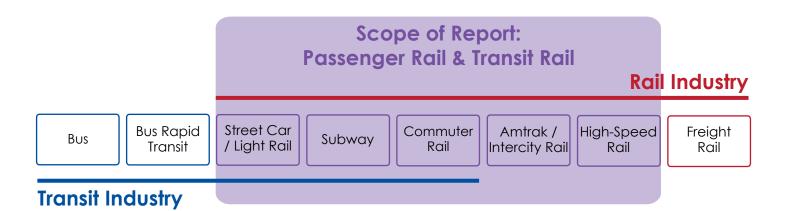


The Environmental Law & Policy Center is the Midwest's leading public interest environmental legal advocacy and eco-business innovation organization. We develop and lead successful strategic advocacy campaigns to improve environmental quality and protect our natural resources. We are public interest environmental entrepreneurs who engage in creative business dealmaking with diverse interests to put into practice our belief that environmental progress and economic development can be achieved together.

ELPC's vision embraces both smart, persuasive advocacy and sustainable development principles to win the most important environmental cases and create positive solutions to protect the environment. ELPC's teamwork approach uses legal, economic and public policy analysis, and communications advocacy tools to produce successes. ELPC's strategic advocacy and business dealmaking involves proposing solutions when we oppose threats to the Midwest environment. We say "yes" to better solutions; we don't just say "no."

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Executive Summary

Passenger rail and transit rail systems provide a critical foundation for a competitive economy and generate jobs and economic growth. Multiple studies have documented the benefits of passenger rail and transit rail to the public, local and national economies, and the environment. In this study, the BlueGreen Alliance (BGA) and the Environmental Law & Policy Center (ELPC) find that federal investment in transportation infrastructure also provides another core benefit: the opportunity to strengthen the passenger rail and transit rail manufacturing sector and the jobs it supports across America.

BGA and ELPC explore the industry's national manufacturing footprint and find that U.S. passenger rail and transit rail manufacturing are integral to the domestic economy and poised for growth. To capture the full economic growth and job creation potential, however, there must be predictable, long-term and sustainable policy and investment in the U.S.

More than 750 companies in at least 39 states manufacture components for passenger rail and transit rail today:

• 212 companies in 32 states manufacture passenger rail cars and locomotives or major components and systems for these vehicles.

- Focusing on just two rail manufacturing regions the Midwest and the Mid-Atlantic — we find more than 540 *additional* companies manufacturing sub-components, materials, track and infrastructure, as well as providing repair and re-manufacturing to the industry in these states. The nationwide total is certainly much larger.
- These manufacturers are located in virtually every state, in diverse industries, and often in communities far from the transit and rail systems themselves.
- The U.S. rail manufacturing industry as a whole supports 90,000 jobs today.

• Passenger rail and transit rail manufacturing growth helps strengthen a broader manufacturing recovery — creating and sustaining manufacturing jobs in railcar and locomotive assembly, as well as across a wide range of American industry, ranging from steel smelting to fabric design.

Long-term sustainable funding is vital to make the next generation of transportation infrastructure — and the manufacturing growth it supports — a reality. Transportation infrastructure supports the entire economy, so funding can appropriately come from multiple sources, including increasing the gas tax, additional general fund appropriations, and other measures. In addition, the U.S. can maximize the economic benefits of every transportation dollar spent by adopting sound financing, procurement, and manufacturing assistance policies and programs

America has a rail manufacturing supply chain that reaches throughout the country, with a growing demand for new passenger rail and transit rail systems and communities and businesses ready to share in investment. Bold federal action to fund transportation can unlock powerful potential for economic and manufacturing growth.

* • ☆ • \$ U.S. Passenger Rail & Transit Rail Manufacturing Supply Chain ☆ Railcar & Locomotive Assemblers These companies, also known as Original Equipment Manufacturers, manufacture and assemble passenger rail and transit rail cars and locomotives. Major Suppliers These companies manufacture major rail propulsion, electronics and body components and systems. Sub-Components & Materials These companies manufacture subcomponents, materials, and infrastructure (such as track and signaling) and repair and remanufacture railcars and equipment.

Introduction

Passenger rail and transit rail provide infrastructure are important to the effective functioning of our economy and are also major generators of jobs and economic growth. Numerous studies document direct benefits of transit and intercity passenger rail on business growth, property values, access to economic opportunity, and the environment. In addition, meeting America's passenger rail and transit rail needs provides a major opportunity to grow American manufacturing and jobs — in communities both near and far from the transit and rail systems themselves.

A POWERFUL ECONOMIC DRIVER

Passenger rail and transit rail are both powerful economic drivers in the transportation sector. In addition to employing over 400,000 people operating bus and 31.6 million U.S.a. DAILY MASS TRANSIT TRIPS 35 million U.S.a. DAILY SUBWAY RIDES*** 5.5 million New york city 1.7 million Chicago 721,000

ANNUAL INTERCITY RAIL TRIPS

These metro areas are also served by bus, commuter rail and other forms of transit.

RIDERSHIP GROWTH



transit rail and 20,000 people providing intercity passenger rail service, these modes also generate significant economic growth by increasing property values and boosting business sales and local tax revenues, while reducing congestion, pollution, and other costs.

According to the American Public Transportation Association, investing \$10 million in transportation yields \$30 million in increased business sales; residential property located near public transportation was valued 42 percent higher on average;¹ and, economic activity generated by spending \$1 billion on transportation yields \$432 million in federal, state, and local tax revenues.²

U.S. ridership is at all time highs with American consumers, businesses, and communities supporting transit and passenger rail with their feet. From 1995 to 2008, ridership on commuter and passenger rail grew by 75 percent. Amtrak has broken ridership records in 11 of the last 12 years, with 31.6 million passengers taking intercity rail trips in 2014, despite limited service and aging equipment. Demand for public transportation is expected to continue increasing as more Americans move away from car ownership, and the U.S. population grows, adding 100 million people by 2050.

Over the past 30 years, 29 new light rail systems and 20 commuter rail systems have been built.⁶ Currently, 32 states and the District of Columbia are forging ahead with transportation plans

to develop and improve their transit systems and higherperformance intercity passenger rail corridors. All of these transportation projects will require new rail cars and locomotive equipment to be manufactured. In fact, these projects have generated more than \$10 billion in orders for subway, commuter, and high-speed passenger rail cars and locomotive equipment orders. A sample of these passenger rail and transit rail projects and their related procurements are listed on the next page.

GROWING DEMAND FOR PASSENGER RAIL & TRANSIT EQUIPMENT

California: California, which has a population of 38 million, recently broke ground on the country's first high-speed rail project that will run at 200 mph from Los Angeles to San Francisco. California is in the process of buying 95 train sets capable of 220 mph speeds⁷ and ten global manufacturers have expressed interest in bidding on this project. The City of Los Angeles is expanding the Los Angeles Metro Rail making it the longest system in the country. In Northern California, the Bay Area Rapid Transit system is set to purchase 1,000 new rail cars at an estimated cost of \$3.3 billion.

Florida: In 2016, All Aboard Florida will begin running 32 trains a day between Miami-Fort Lauderdale and Orlando and is expected to generate \$6 billion over 8 years to Florida's economy and create 10,000 jobs.

Maryland: In Maryland, the \$2.4 billion Purple Line, a proposed light rail line between Bethesda and New Carrollton, and the \$2.6 billion Red Line light rail, which would connect Woodlawn and Bayview, are ready to commence construction this year. Both lines will connect to existing MARC Train and local bus services.

Midwest: The Midwest Regional Rail Initiative is a program among nine states (Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Nebraska, Ohio and Wisconsin) that will run 110 mph rail service along 3,000 miles of track connecting Chicago to every major Midwestern city. The Detroit-Chicago-St. Louis rail corridor is near completion. New passenger cars for these lines are being built by Nippon Sharyo in Rochelle, IL, while locomotives to pull them are being built by Siemens in

On the transit side, the Chicago Transit Authority is seeking to purchase 400 new transit cars, with a potential to expand the order to 846 cars. The order is expected to be worth about \$2 billion.⁸ Metra, Chicago's commuter rail agency, has announced plans to purchase 52 locomotives and refurbish 85, and to purchase 367 new train cars and refurbish 455.⁹

Sacramento, CA.

Northeast: The Northeast Corridor (NEC) Infrastructure Master Plan, a collaboration of 12 Northeastern states and the District of Columbia, Amtrak, eight commuter and three freight railroads, has proposed plans to operate 220 mph passenger rail service and improve reliability and capacity for all rail users. Amtrak will purchase 28 next generation trains to replace its aging Acela Express fleet on the existing NEC.

The Keystone Corridor, running 105 miles from Harrisburg to Philadelphia to New York City, transported 1.4 million passengers by intercity passenger rail and commuter rail in 2013.

Amtrak's Vermonter returned to the Connecticut River Valley after a 20 year absence, commencing service on the "Knowledge Corridor" running from New Haven, CT, to St. Albans, VT.

The nation's largest transit system, the New York MTA, approved a fully state-funded \$15 billion capital plan in October 2014 and is preparing to purchase 752 new subway cars in 2015.¹⁰

Pacific Northwest: In the Pacific Northwest Corridor, Washington and Oregon recently bought two trainsets and next generation locomotives in an effort to improve intercity travel between Portland, Seattle, and Vancouver, BC.

Southeast: In the Southeast, home to the fastest growing metropolitan areas in the nation, the District of Columbia, Virginia, and North Carolina are investing in improving current service quality and reliability on six intercity passenger rail corridors and developing the Southeast High-Speed Rail corridor connecting the NEC to Washington, D.C. and Raleigh, NC, via Richmond, VA.

Texas: Texas is conducting a Texas-Oklahoma Passenger Rail Study of an 850 mile corridor from Oklahoma City to Dallas/Fort Worth to San Antonio to address significant traffic congestion in the region.

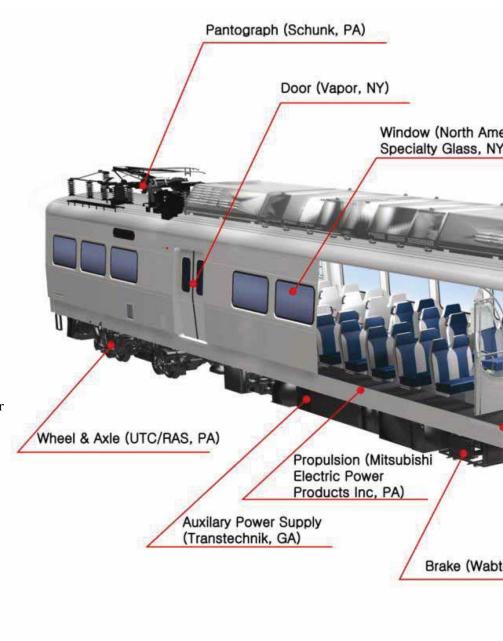
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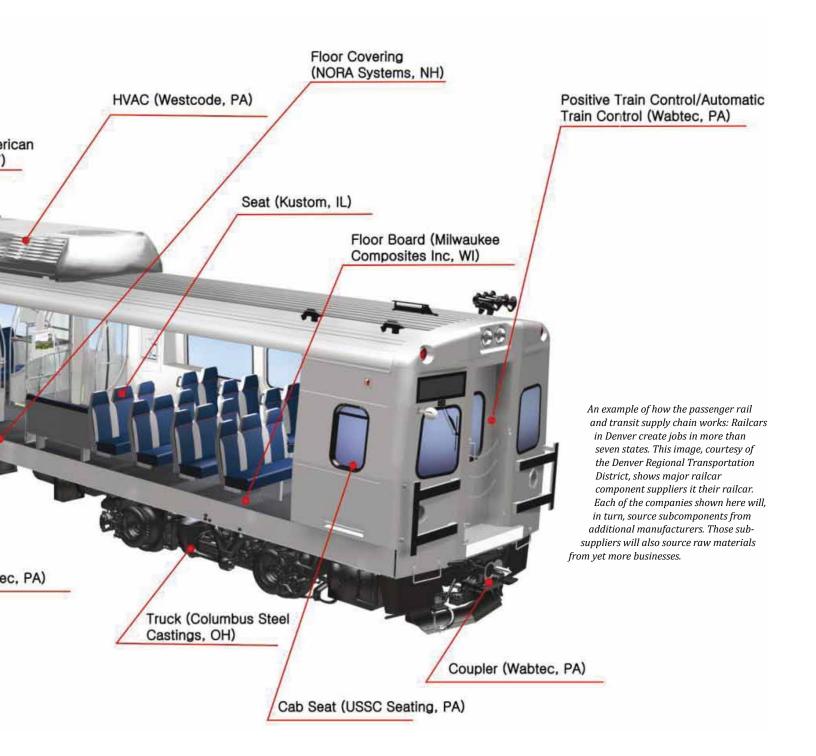
National Impact

Meeting America's transit and rail needs provides a major opportunity to grow American manufacturing and jobs — in the communities both local to and far from the transit and rail systems themselves.

Whether a commuter steps off a brand new Silver Line in Tysons Corner, VA, or remanufactured Red Line subway train in Washington D.C., or RTD commuter train in Denver (shown to the right), those vehicles and their components build jobs all over the country. Similarly, when passengers in the Midwest step into one of the new Amtrak trains in the Midwest (funded under the American Recovery and Reinvestment Act of 2009) or Metra commuter rail, those railcars support rail car assembly jobs in Rochelle, IL; locomotive assembly jobs in Sacramento, CA; motor manufacturing in Seymour, IN; and other diverse jobs in various states.

Overall, transit and rail investment is a powerful economic driver. These gains, however, are at risk. Unstable and insufficient funding threatens the ability of communities to maintain and operate existing systems and to plan for new investments or upgrades, even as ridership grows. Under cost pressures, some communities resort to short-term cost-cutting on operations and maintenance that can result in higher longterm costs, job loss and degradation of service. In addition, the U.S. has not implemented the policies and approaches necessary to take advantage of the full manufacturing opportunity. Increased stable and predictable transit and rail investment can grow all the economic benefits this sector generates.





U.S. Passenger Rail & Transit Rail Manufacturing: Ready for Resurgence



HISTORY

The U.S. was once a passenger rail manufacturing powerhouse, but many of its iconic firms faded in the mid-20th century with the rise of highway use. While passenger rail and transit rail demand has increased in recent decades, the boom and bust cycle of investment has limited the growth of a new generation of passenger rail manufacturing in the U.S. An unstable and unpredictable investment environment at home makes it difficult for companies to make the longer term investments in R&D, retooling, and development of complex supplier networks necessary to manufacture and integrate state-of-the-art railcars and subsystems for the domestic market or to leverage those networks to serve the global market. Conversely, countries across Europe and Asia have demonstrated that it is possible to build or rebuild large, globally competitive rail manufacturing companies and supplier networks using diverse policy approaches and a base of robust long-term domestic investment.

Despite being plagued by perennially uncertain policy and investment, rail manufacturing — of both passenger and freight vehicles — supports 90,000 jobs in the U.S. today,¹¹ and the value of U.S. railway exports is already between \$2 billion and \$3 billion each year.¹² However, as both domestic and international experience shows, investing in transit and rail transportation at home primes the robust engine of manufacturing, job and export growth.

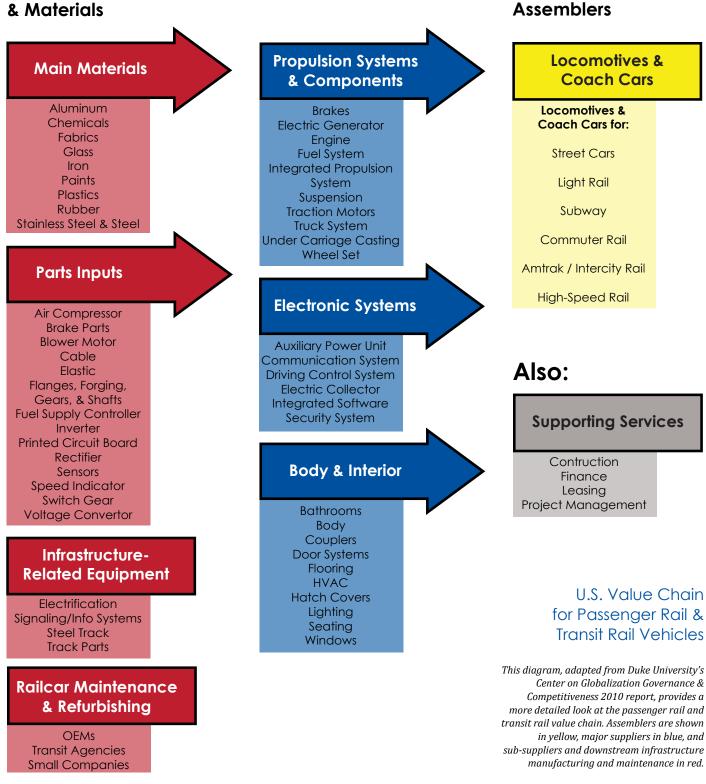
CURRENT RAIL SUPPLY CHAIN

Worldwide, passenger railcar and locomotive assembly is carried out by a relatively small number of major manufacturers predominantly headquartered near major European and Asian passenger rail markets. These companies carry out assembly in facilities across the U.S. (domestic assembly is required under long-standing *Buy America* policies), but tend to do railcar design, integration, and manufacture of railcar shells in their home markets.¹³ Feeding into railcar assembly, numerous primary suppliers manufacture a wide range of components and systems in three major categories: propulsion components, electronic systems, and the body and interior. In turn, sub-suppliers provide component manufacturers with parts and other inputs, such as steel, plastics, glass, and other materials.

Outside of the direct supply chain are manufacturers of infrastructure-related equipment, such as station, track, and signaling information systems. Additionally, other companies downstream perform maintenance, refurbishing, and remanufacturing of railcars and their components.

Meeting America's transit and rail needs provides a major opportunity to grow American manufacturing and jobs across every part of the rail supply chain. In the following pages, our report dives into the broad reach of the transit and rail manufacturing supply chain in the U.S. and explores

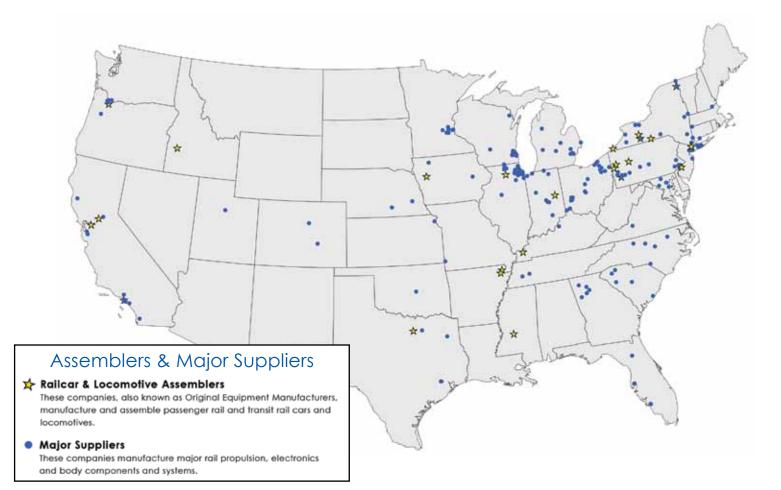
Sub-Components & Materials



Major Suppliers

Railcar & Locomotive

America's Passenger Rail & Transit Rail Manufacturing Footprint: Our Findings



Looking across passenger and transit railcar and locomotive assembly and major component and component system manufacturers, our research found 212 facilities in 32 states manufacturing significant rail components. When we looked at subcomponent, materials, infrastructure, and repair and remanufacturing facilities in two major rail manufacturing regions — the Midwest and the Mid-Atlantic — we found more than 500 additional manufacturers supporting the rail industry, for a total of over 700 manufacturing facilities overall. With a deeper analysis nationwide, one would expect to find numerous additional subcomponent and downstream manufacturers supporting rail component manufacturing and rail maintenance, particularly in California and the Southeast.

TIP OF THE ICEBERG

More than 200 facilities manufacture locomotives, railcars and major components for the passenger rail and transit rail industry today. The map above highlights in yellow the 24 major locomotive, railcar, and streetcar assembly facilities. In blue are 188 direct suppliers that currently manufacture major propulsion, electronics, and body components and systems for these assemblers and others. These companies range from major multinational railcar assemblers to small-and medium-sized manufacturing companies. Predictable long-term funding is critical to the health of these companies' operations in the U.S. and to maintaining and expanding this important manufacturing base.

MANUFACTURER SNAPSHOT

Below we profile several of the passenger rail and transit rail assemblers and major component manufacturing companies we identified in the U.S., illustrating the breadth of these firms. A full listing and maps of all companies begins on page 23.



ALSTOM — HORNELL, NY AND OTHER LOCATIONS: Alstom Transport is the largest global supplier of highperformance and high-speed rail vehicles and operates in 60 countries. Alstom is also heavily involved in the metro, light rail, signaling, and freight sectors. In the U.S., Alstom has more than 10,000 employees in 45 states across its energy and transportation operations. The company operates the largest passenger rolling stock manufacturing facility in North America in Hornell, NY, where employment can reach over 1,500 with strong demand for passenger rail vehicles. Alstom has provided equipment for over 25 percent of America's active subway cars and has 7,000 rail vehicles in use throughout North America, including a nearly \$1 billion order for the New York City Metropolitan Transit Authority. It also provides propulsion technology, signaling equipment, and maintenance services for Amtrak's high-speed Acela line.



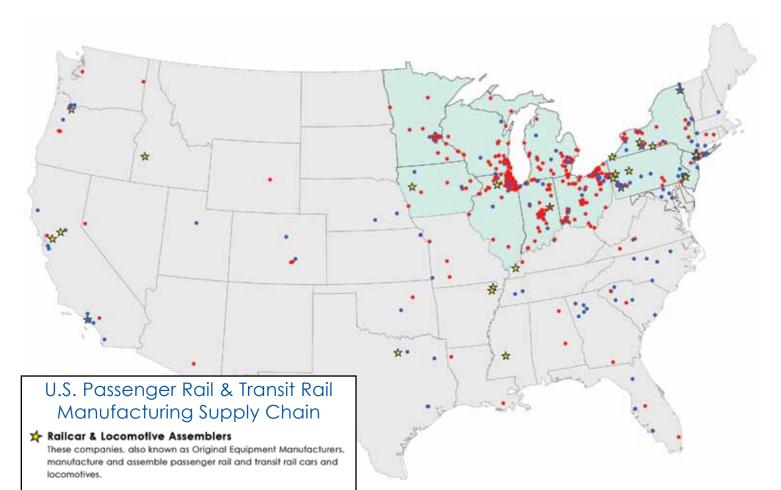
KUSTOM SEATING UNLIMITED — **BELLWOOD, IL:** Kustom Seating is a leader in designing and manufacturing custom

transit seating and other rail interior parts. They supply to numerous rail OEMs, including Siemens, Alstom, Kawasaki Rail Car, Bombardier, and Nippon Sharyo. Kustom Seating is currently building seats for new "L" rail cars in Chicago and for high-speed rail cars in the Midwest. They employ over 200 people at their 94,000-square-foot Bellwood manufacturing facility and have recently acquired another 50,000-square-foot facility nearby.

ORX — **TIPTON, PA:** Founded by the son of an Italian immigrant who inspected 30,000 miles of railroad on foot, ORX is a family-owned company that manufactures and overhauls precision machined rail wheel sets, "trucks," axles and gear units. Amtrak's Acela runs on trucks and wheel sets from ORX, and the company also supplies subway systems in San Francisco, Atlanta, and New York, as well as the freight industry. The company's more than 30 employees are represented by United Steelworkers (USW).



SIEMENS MOTOR PLANT — **NORWOOD, OH:** In 2013, Siemens' Norwood Motor Plant, located outside Cincinnati, added 25 positions to design and manufacture new motors for Amtrak's locomotive order. To fullfill the order, Siemens added 250 jobs at facilities in Norwood, OH; Sacramento, CA; and Alpharetta, GA. Amtrak's new locomotive project was funded through a Railroad Rehabilitation and Improvement Financing loan. Electric motors have been built at this factory in the community for 100 years, with many of the employees being the second or third generation in their family to work there. *Above: U.S. Department of Transportation Secretary Anthony Foxx with Wayne Cupp of IUE-CWA Local 765.*



Major Suppliers

These companies manufacture major rail propulsion, electronics and body components and systems.

Sub-Components & Materials

These companies manufacture subcomponents, materials, and infrastructure (such as track and signaling) and repair and remanufacture railcars and equipment.

DIVING DEEPER

After identifying the 24 assembly facilities and 188 major suppliers nationwide, we looked more closely in just two regions — the Midwest and the New York/New Jersey/ Pennsylvania area — and identified an additional 542 subcomponent manufacturers, materials suppliers, and related companies serving the rail industry. These companies are shown in red in the map above. A more detailed look in other regions would certainly generate many additional subcomponent facilities. In total, in this study, we found 754 transit and passenger rail and components manufacturers nationwide.

Diverse materials (steel, aluminum, fabric, glass, etc.), manufacturers of subcomponents, infrastructure (such as rail and signaling), and the many facilities where rail equipment and components are repaired and remanufactured together create an integrated rail supply chain, poised for growth and opportunity. While our regional research reinforces national findings — that clusters of rail manufacturing exist around major transit systems (such as Chicago and New York) clusters also exist in major manufacturing and freight rail hubs.

SUB-COMPONENT MANUFACTURER SNAPSHOT

TIMKEN — **CANTON, OH:** Timken and Timken Steel employ several thousand people in Stark County, OH. With dozens of plants and engineering facilities worldwide and billions



in gross sales, the companies are global leaders in the production of steel, bearings, gearboxes, and metal chains. In addition to their railroad bearing line, Timken also supplies industrial seals and lubrication products to OEMs.

JP CORP — BEECH GROVE, IN: This third generation, woman-owned, and family-operated business provides custom manufacturing services for various rail OEM components. In the 1970's, the company relocated to be near Amtrak's repair and maintenance facility. Contract manufacturing of custom bolts and assemblies for Amtrak was a critical element in their growth. Their production uses cutting-edge CNC tuning and robotic inspection equipment to ensure precision and quality and has the capacity to process nearly any metal or carbon material into custom industrial components. In 2000, JP Corp expanded its Indiana facility by nearly 70 percent to accommodate a growing list of diverse clients. The International Association of Sheet Metal, Air, Rail and Transportation Workers (SMART) represents workers at Amtrak Beech Grove, which remains Amtrak's national repair and remanufacturing facility.

${\it CLEVELAND\ TRACK\ MATERIAL,\ INC.\ --\ CLEVELAND,\ OH:}$

At Cleveland Track, workers designed and manufactured new turnouts for Maine's Downeaster project. Cleveland Track was one of 53 companies across 20 states that received a supply order from Maine's project. The orders for turnouts as well as other orders from Amtrak and several transit agencies kept the production schedule busy during the economic downturn and prevented layoffs. Over the last year, the company has invested over \$5 million in new production equipment at the plant. Cleveland Track has nearly 300 employees that work in the company's four facilities in Ohio, Tennessee, and Pennsylvania. The company was started with five employees by a disabled Vietnam Veteran, Bill Willoughby, in 1984 in an impoverished section of Cleveland.

Don't Leave Jobs Sitting at the Station



There is no question that America has the capacity to build the next generation of advanced transit and rail equipment to compete in the 21st century global marketplace. The U.S. has a resurgent and competitive transportation manufacturing sector, a world class freight transportation and ports network, and is a leader in technical innovation. It also has extensive unmet transportation infrastructure needs.

Rising demand for public transit and intercity passenger rail and the new transportation projects that are needed to meet that demand is spurring economic growth and creating jobs. However, to fully maximize the potential this opportunity presents for job creation and economic growth in the U.S., Congress must lead by providing a sustainable, predictable, long-term funding source.

History has shown that public investment is vital for building and maintaining transportation and infrastructure, whether in the form of the original land grants and bonds issued by the government in the 1800s to finance the building of President Lincoln's Transcontinental Railroad or the creation of the Highway Trust Fund tax in the 1950s to build and maintain President Eisenhower's Interstate Highway System. Throughout our nation's history, a commitment from federal, state, and local leaders to provide large-scale public investment was essential in building and maintaining our transportation infrastructure.

Unfortunately, history also demonstrates the impacts of failing to provide long-term predictable federal investment for transportation and infrastructure — everything from the loss of jobs, economic activity, and tax revenue, to manufacturing moving abroad.

State and local transit agencies, manufacturers, and their investors all require predictable, robust markets in order to plan and build world-class transportation projects and rail cars and equipment. Large-scale infrastructure projects require years to effectively plan and execute, and states and municipalities cannot begin these projects unless they can be confident that there will be a way to pay for the project. Similarly, manufacturers are far more willing to make the necessary investments in R&D, plant capacity, and worker training in the U.S. if there are predictable markets for their goods.

LONG-TERM, SUSTAINABLE, AND PREDICTABLE FEDERAL FUNDING IS ESSENTIAL

Currently, federal transit funding comes from a predictable, yet underfunded source, while passenger rail funding relies on sporadic general fund appropriations. Neither approach is ideal, and both passenger rail and transit rail should have long-term, sustainable, and predictable federal funding.

Federal transit funding comes from the Highway Trust Fund, which levies a tax on gasoline at the retail level. While states also raise funds for transportation infrastructure, in most cases, federal funding still provides the lion's share of total funds for these projects. Since 1993, the tax on a gallon of gasoline has been 18.4 cents, with approximately 15 cents allocated to road construction and maintenance and the remaining 3 cents to fund all forms of mass transit.

As has been widely documented and discussed, federal funds dedicated to infrastructure, especially the Highway Trust Fund, have been insufficient to cover spending in recent years. Trust Fund revenues have dropped due to a perfect storm of failure to increase the gas tax with inflation, increased automotive fuel efficiency, and decreasing private vehicle use,¹⁴ while the cost of maintaining aging infrastructure and building modern roads, bridges, and transit infrastructure has risen. Because current law prohibits the Trust Fund from running at a deficit, Congress has instituted a variety of stopgap fixes to cover the funding shortfall that has reached about \$53 billion since 2008. Uncertainty over whether stopgap measures will be approved, or approved at sufficient funding levels from year to year, has led to ongoing uncertainty in the marketplace.

Congress has acknowledged the funding deficit and the need to address it. Indeed, as the House Committee on Transportation and Infrastructure stated in its report on Public Private Partnerships, "Adequate federal investment in transportation and infrastructure is a necessary precondition to modernize our Nation's highways, bridges, rail, and transit systems, airports, ports, waterways, and public buildings..."¹⁵ Moreover, there is no shortage of ideas or policy suggestions in the House, Senate, or among stakeholders and think tanks to increase federal revenues for transportation and

INNOVATIVE FEDERAL FUNDING PROGRAMS

TIGER: The Transportation Investment Generating Economic Recovery (TIGER) grant program is a competitive grant program which allows the U.S. DOT to target investments across modes and regions to where they will have the most impact. Created in 2009, it has funded more than \$4.1 billion in projects, including almost \$1 billion for transit and \$800 million for rail. In December 2014, Congress appropriated an additional \$500 million to this extremely popular program. Every year the demand for these grants far exceeds the available funding.

TIFIA: The Transportation Infrastructure Finance and Innovation Act (TIFIA) provides federal loans, loan guarantees, and lines of credit to assist in the financing of surface transportation projects. While TIFIA offers the opportunity to leverage federal investments ten-fold, it is fundamentally a loan rather than a grant. Projects with demonstrable revenue streams (such as transit fares) can benefit from the lower interest rates available to the federal government than to communities or transit districts. The \$306 million Colorado High Performance Transportation Enterprise, for example, used TIFIA to finance transit improvements. This project, slated to open in 2015, involved adding high-occupancy toll lanes, bus rapid transit, and bikeways along a 10-mile stretch of U.S. 36 between Denver and Boulder. TIFIA provided a \$54 million loan for the project, secured by a pledge of toll revenues collected on the road.

infrastructure spending. These ideas include: increasing existing taxes and fees; establishing new user fees and taxes to replace or supplement the current user fee system; designating other sources of revenue; and providing additional financing options for states in the form of various bonds. Transportation infrastructure is a critical foundation for the economy, serving households, workers, commerce and industry regardless of whether they own or drive a vehicle. Accordingly, a variety of sources of funding may be







appropriate. Whatever options Congress ultimately adopts, passenger rail and transit rail should receive dedicated and sustainable funding at levels that meet current needs and allow for effective expansion of these modes.

GETTING THE MOST FROM U.S. TRANSPORTATION INVESTMENTS

In addition to ensuring a dedicated source of funding for passenger rail and transit rail, state and federal leaders should also support policies and the approaches that maximize the economic, job creation, and manufacturing benefits infrastructure investments provide.

Help states leverage funds. Innovative funding programs such as the TIGER grant program and financing programs such as the TIFIA program that provide lower cost loans and loan guarantees (see previous page) have been highly successful in helping states focus and leverage federal and state transportation spending to deliver more and higherimpact projects. These programs should be continued and expanded. Flexibility and coordination are also important in enabling states to focus funds on areas of greatest need. Under the Surface Transportation Program of the current surface transportation law, MAP-21, states have the flexibility to spend federal funding on either eligible highway or transit projects. Mechanisms that enable states to carry out projects across all transportation modes, including intercity passenger rail, could also be valuable. Coordination between states, cities, and suburbs, through the Metropolitan Planning Organizations (MPOs) can also be critical to get the most out of transportation dollars. Note, however, that the effectiveness of all these approaches depends on the consistent availability of federal funds.

Improve procurement policies and practices to enhance economic benefits. At a federal, state, and municipal level, transit agencies and local leaders are considering how to maximize job and economic growth from major project investments.

Working to improve implementation of long-standing *Buy America* provisions is key to achieving these gains. Harkening back to the 1800's, when Congress mandated that only U.S. steel could be used to build the Transcontinental Railroad,

^photo courtesy of GE Transportation

oto courtesy of U.S. Railcai





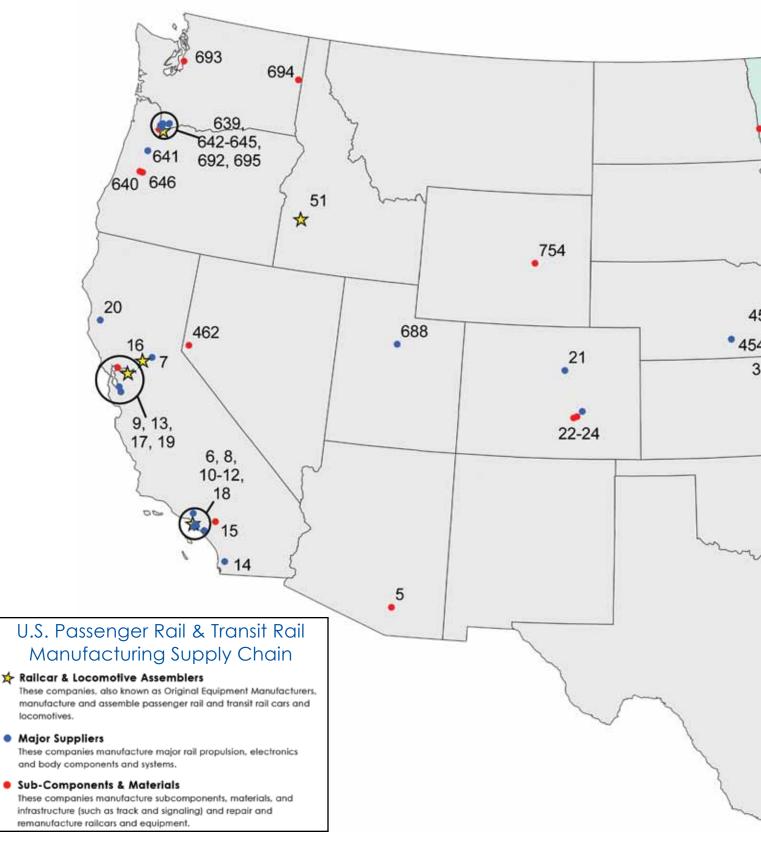
Buy America provisions have required that taxpayer-funded transportation infrastructure projects include significant domestically manufactured content. These standards are critical to retaining rail assembly and component manufacturing in the U.S. Today, opportunity exists to improve implementation of these standards so they are more consistent, straightforward, and effective in growing a robust and competitive domestic supply chain for cutting-edge rail components and equipment.

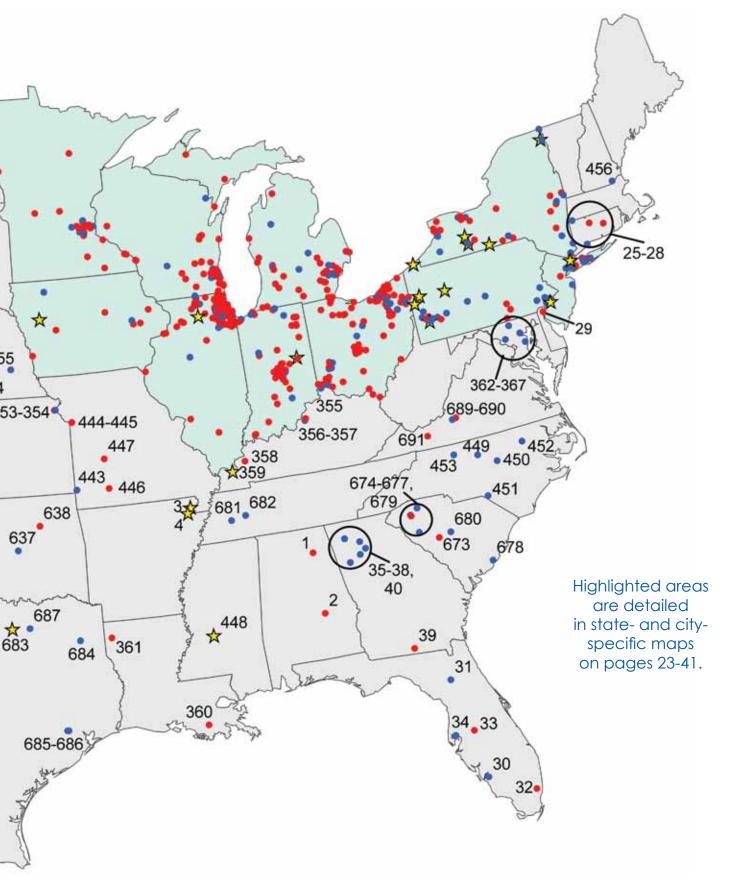
In addition, while Buy America provisions set a statutory minimum for domestic content, new approaches reward and facilitate efforts that grow domestic manufacturing, boost jobs and enhance other economic benefits from transit investments. For example, Amtrak and several transit agencies have recently adopted new procurement language that gives major assemblers credit in their bids for demonstrating enhanced domestic content, job quality, and training in their own and their suppliers' operations. By rewarding bids that exceed minimum federal requirements, they create additional opportunities for investment, innovation, and job growth. At the same time, the Department of Commerce's Manufacturing Extension Partnership is working with the Federal Railroad Administration and coordinating with dozens of state partnerships and local manufacturing and economic development organizations to systematically identify and develop potential rail component suppliers and engage them in the domestic manufacturing supply chain for passenger rail equipment.

CONCLUSION

Transit and rail manufacturing opportunities exist in virtually every U.S. state and across the manufacturing value chain, but Congress must act to provide long-term dedicated funding of passenger rail and transit rail projects. With longterm predictable federal funding of passenger rail and transit rail transportation and infrastructure projects, the U.S. stands to greatly enhance these manufacturing opportunities that generate economic development, tax revenue, and American jobs across the nation.

U.S. Passenger Rail & Transit Rail Supply Chain: Company Listings & Maps _____





RAILCAR & LOCOMOTIVE ASSEMBLERS

Alstom USA Inc. Hornell, NY

Alstom Transport is the largest global supplier of high and very high-speed rail vehicles and operates in 60 countries. Alstom is also heavily involved in the metro, light rail, signaling and freight sectors. In the U.S., Alstom has more than 10,000 employees in 45 states across its energy and transportation operations. The company operates the largest passenger rolling stock manufacturing facility in North America in Hornell, NY, where employment can reach over 1,500 with strong demand for passenger rail vehicles. Alstom has provided equipment for over 25 percent of America's active subway cars and has 7,000 rail vehicles in use throughout North America, including a nearly \$1 billion order for the New York City Metropolitan Transit Authority. It also provides propulsion technology, signaling equipment and maintenance services for Amtrak's Acela high-speed line.

American Railcar Industries Marmaduke, AR Paragould, AR

American Railcar Industries, Inc. was formed in 1994 when a joint venture between Axis, LLC and Ohio Castings Company, LLC acquired the railcar component manufacturing and railcar maintenance assets of ACF Industries (formerly American Car and Foundry). Today, ARI is a publicly held corporation that supplies the North American freight car market, designs and manufactures new railcars and railcar parts, and operates a network of railcar repair centers.

Ansaldo Breda, Inc. Dansville, NY Pittsburg, CA Ansaldo Breda was formed in 2001 through the merger of two Italian manufacturing firms, Ansaldo Transporti and Breda Construzioni. The company employs about 2,400 people worldwide and has been involved in light rail projects in Boston, Cleveland, Los Angeles, and San Francisco, Ansaldo Breda has also manufactured heavy rail cars for transit systems in Atlanta, Los Angeles, and Washington, D.C.

Bombardier Transportation Pittsburgh, PA Plattsburgh, NY

Bombardier Transportation supplied the Acela Express passenger cars currently in use along the North East Corridor. Bombardier designs, manufactures and services complete trains, rail sub-systems and signaling equipment for high-speed trains, transit, and urban light rail. The company employs about 2,900 U.S. workers across 15 states, has manufacturing sites in Plattsburgh, NY, and Pittsburgh, PA, and operates a network of fleet operations, maintenance, and service sites in 12 states. Globally, Bombardier Transportation is present in 27 countries with 38,500 employees.

Brookville Equipment Brookville, PA

Founded in 1918, Brookville is an American manufacturer that designs and builds passenger and freight locomotives. The company employs around 300 workers in the United States, and does business in 40 countries across the globe. Currently, Brookville is working on a locomotive order for the South Florida Regional Transportation Authority Tri-Rail line.

CAF USA Elmira, NY

CAF USA, a subsidiary of Spanish firm Construcciones y Auxiliar de Ferrocarriles, was tapped to fulfill a recent 130-car, \$300 million procurement for Amtrak. The company's 400,000 square foot manufacturing facility in Elmira, NY currently employs around 800 workers, and is the production hub for both the Amtrak order as well as a recent 39-car contract with the Houston Metropolitan Transit Authority. CAF USA was named the preferred vendor for the forthcoming Cincinnati streetcar. CAF is involved in rail projects on six continents, with recent contracts in Latvia, Saudi Arabia, and the United Kingdom.

Electro-Motive Diesel / Progress Rail Services Muncie, IN

Founded in 1922, Electro-Motive Diesel (EMD) has supplied more than 63,000 locomotives in over 75 countries across the globe, and has the largest installed base in North America. With offices in LaGrange, IL, EMD designs, manufactures, and sells diesel-electric locomotives and engines for all commercial railroad applications. In 2010, EMD was acquired by Progress Rail Services Corporation, a wholly owned subsidiary of Caterpillar, Inc., and opened a new locomotive manufacturing facility in Muncie, IN. In addition to the company's work in the rail sector, EMD is also a global provider of diesel engines for marine propulsion, offshore and landbased oil well drilling rigs and stationary power generation.

GE Transportation Grove City, PA Erie, PA Fort Worth, TX

More than 20,000 GE-built diesel-electric locomotives are in operation worldwide, including more than 250 with Amtrak. While the majority of GE Transport rail resources are focused on original locomotive construction, the company also has communication equipment and rail management software product lines. Recently, in an effort to reduce their locomotives' emissions, the company has been working on a hybrid diesel-electric power system for increased fuel efficiency. GE Transportation has a grasp on around 60% of the U.S. rolling stock market, and is currently working on a 60 locomotive order for Union Pacific. Globally, GE Transportation employs more than 12,000 workers, and recorded \$5.9 billion in revenue in 2013.

Gomaco Trolley Ida Grove, IA

Gomaco Trolley Company, located in Ida Grove, IA, manufactures and repairs vintage trolley cars. Founded in 1982, Gomaco's trolleys are currently in service in 12 states, including Portland, OR, Los Angeles, Little Rock, Mephis, and Tampa, and it is currently building a trolley for a park in Taiwan.

Hyundai Rotem Co. Philadelphia, PA

Founded in 1999 as Korean Rolling Stock Corporation and later renamed Hyundai Rotem in 2007, this South Korean company supplies high speed and conventional passenger trains, stations, and other transit equipment around the world. Hyundai Rotem supplies the SEPTA Regional Rail system with its Silverliner V commuter trains in the Philadelphia area, which were built in South Korea and assembled in Philadelphia.

Kasgro Rail New Castle, PA

Kasgro Rail was founded in 1993 in New Castle, PA. Kasgro manufactures freight rail cars and cabooses, while also supplying vintage streetcars and passenger rail.

Kawasaki Rail Car Yonkers, NY

Kawasaki Railcar, Inc., a subsidiary of the Japanese Kawasaki Heavy Industries Rolling Stock Company, has two assembly plants in the U.S., in Lincoln, NE and Yonkers, NY. Kawasaki has supplied several transit systems with railcars in the U.S., including Metro North, the NYC subway, Long Island Rail Road, and SEPTA in Philadelphia.

Kinkisharyo International El Segundo, CA Kinkisharyo, headquartered in Osaka, Japan, is a global leader in light rail manufacturing. With its U.S. operations headquartered in El Segundo, CA, Kinkisharyo is currently manufacturing 175 railcars for the Los Angeles Metro at a facility in Palmdale, CA.

Motive Power Boise, ID At its 300,000-square-foot manufacturing facility, Motive Power has produced over 2,500 locomotives for the U.S. passenger and freight rail markets. The company employs 700 workers across the U.S. and is owned by the American industrial conglomerate Wabtec Corp., formed in 1999 through a merger between Motive Power and Westinghouse Air and Break. Among Motive Power's recent projects was a 40-locomotive order for the Massachusetts Bay Transportation Authority.

National Railway Equipment Paducah, KY

National Railway Equipment (NRE) employs 200 workers at its locomotive manufacturing and refurbishing facility in Paducah, KY. The facility, formerly owned by VMV Paducahbilt, opened in 1927 and became part of NRE in 2002.

Nippon Sharyo USA Rochelle, IL

As the North American arm of its Japanese parent company, Nippon Sharyo USA has delivered more than 960 rail cars since its founding in 1982. In 2012, the company expanded with the opening of a new plant in Rochelle, IL, which was tasked with an inaugural order of 160 passenger railcars for the Chicago region's Metra rail line, a project that created just under 500 jobs in Illinois. Recently, the firm was awarded a contract to build 130 bi-level passenger rail cars for the Midwest and California. Nippon Sharyo's Japanese parent company has delivered more than 3,400 railcars for Japan's high-speed rail sector.

Siemens Industry, Inc. Richland, MS Sacramento, CA

Siemens Rail Systems has been a major provider of light rail and rapid transit vehicles in the United States since 1975 and has recently expanded into streetcar and locomotive production. The division employs more than 750 people at its California plant, which uses on-site solar energy for nearly 80% of its electricity needs. Siemens was recently awarded a contract to manufacture 32 new diesel-electric locomotives for five states: Illinois, California, Michigan, Washington, and Missouri, and is also in the midst of a 60-light rail vehicle order for Calgary Transit. Globally, the company employs around 362,000 workers, including 52,000 in the U.S.

Talgo Seattle, WA

Talgo America has supplied train sets for multiple intercity passenger rail projects in the U.S. since its inception in 1994. The company operates a facility in Seattle, where in addition to supplying fully integrated production services, Talgo also provides comprehensive maintenance support for its operating rail cars. Talgo USA is a subsidiary of its Spanish company that produces high-speed, super high-speed, and intercity passenger trains. Recently, Talgo completed a \$44 million order for the Oregon Department of Transportation, providing two fully integrated 13-car trainsets for the state's Amtrak Cascades rail service. These were built at its Milwaukee, WI manufacturing facility, which announced its closure in 2014.

United Streetcar Clackamas, OR

United Streetcar, founded in 2007, is the first U.S.-based modern streetcar manufacturer. A
 wholly owned subsidiary of Oregon Iron Works—a fabrication and manufacturing company in operation since 1944—United Streetcar builds the car shells and much of the undercarriage in its facilities in Clackamas, Oregon. The company unveiled its first U.S.-made streetcar, for Portland, Oregon, in July 2009. It has since fulfilled additional orders from Portland, Tucson, Arizona, and Washington, D.C.

Listed below are the 754 businesses that we identified in the U.S. passenger rail and transit rail supply chain. Please note the following: (1) States with detailed maps and shaded listings are those where we researched all the way down to the sub-component and material supply chain, while other state listings reflect only assemblers and major suppliers — a more detailed look at other regions would certainly generate many additional companies; (2) Assemblers are shown in **bold**; and (3) Companies are listed by state and then alphabetically by city.

ALABAMA

1Progress Rail Services	AlbertvilleAL
2Kershaw	Montgomery AL
ARKANSAS	
3 American Railcar Industries	Marmaduke AR
4 American Railcar Industries	Paragould AR
ARIZONA	
5LB Foster	TucsonAZ
CALIFORNIA	
6Evac Train	Carson CA

OEvac Italii	dI S011 CA
7Paragon Products E	l Dorado HillsCA
8 Kinkisharyo International E	l Segundo CA
9 Kontron AG F	remontCA
10Zodiac Galleys USAG	arden Grove CA
11Inca Gold Products LLCG	ardena CA
12Wabtec Passenger TransitP	anorama City CA
13 AnsaldoBreda, Inc P	ittsburg CA
14Kontron AGP	owayCA
15Invensys RailR	ancho Cucamonga CA
16 Siemens Industry, Inc S	acramento CA
17Cisco	an JoseCA
18LedtronicsT	orranceCA
19Alstom USA, Inc V	
	allejoCA
20MicrophorW	

COLORADO

CONNECTICUT			
24	LB Foster	Pueblo	20
23	EVRAZ North America	Pueblo	20
22	Transportation Technology Center	Pueblo	0
21	Lat-Lon	Denver	20

25James L Howard & Co	BloomfieldCT
26RTR Technologies, Inc	Canaan CT
27Trans-Lite	Milford CT
28Nathan Airchime	South WindhamCT

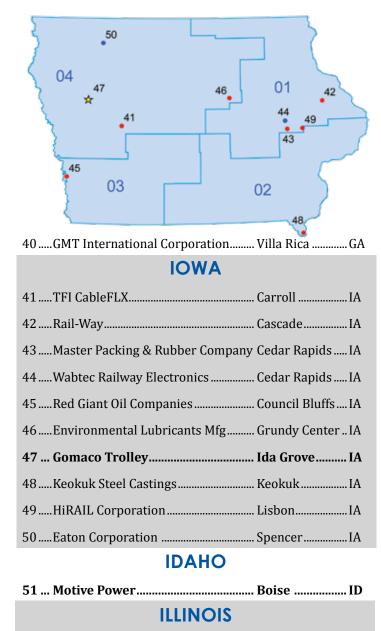
DELAWARE

29.....Alstom USA, Inc. DE
FLORIDA

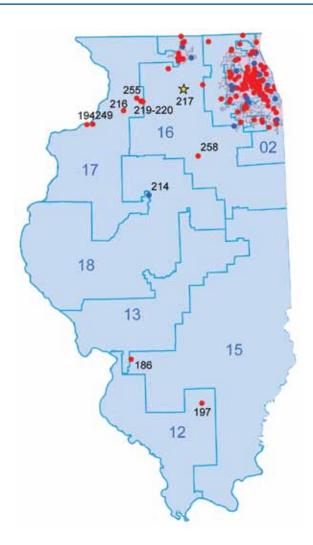
34	.VECOM-USA	. Tampa	FL
33	.Flanders Electric	. Lakeland	FL
32	.Eastern Rail Corp	. Hialeah	FL
31	.Optym	. Gainesville	FL
30	.Saminco, Inc	. Fort Myers	FL

GEORGIA

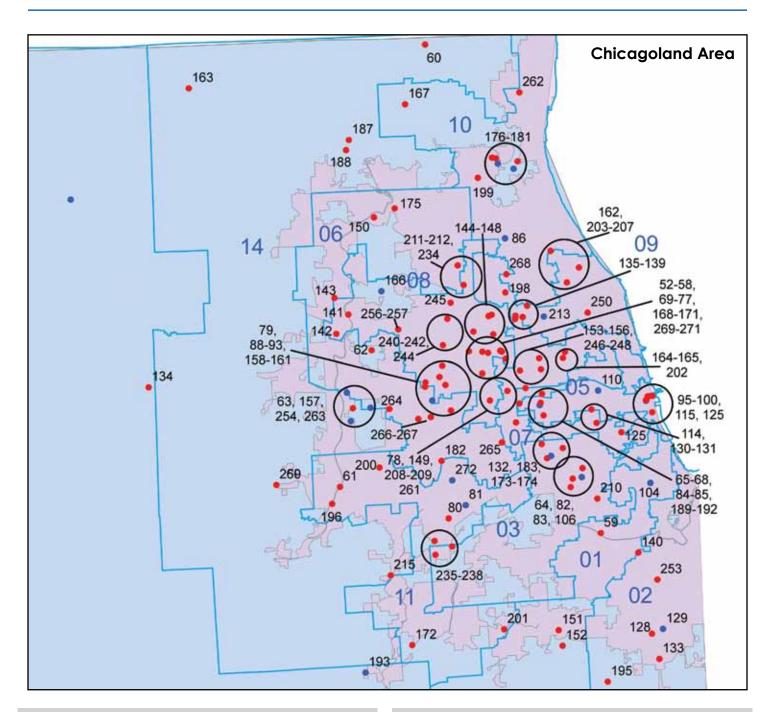
35Siemens Industry, Inc	Alpharetta GA
36KB PowerTech	. Ball Ground GA
37Mohawk Industries, Inc	. Calhoun GA
38U.S. Train Products, LLC	. Marietta GA
39Saft America, Inc	. Valdosta GA



53Addison Abrasives & Machinery	Addison IL
54Custom Rubber Molders, Inc	Addison IL
55Foremost Fastener	Addison IL
56Iten Industries	Addison IL
57 Plastisol Products, Inc	Addison IL
58 Precision Metal Products, Inc	Addison IL
52 Tru-Tone Finishing, Inc	Addison IL
59K & E	Alsip IL
60 Prestige Metal Products, Inc	Anitoch IL



61Weldstar Company	AuroraIL
62Auto Truck Group	BartlettIL
63 PPG Protective & Marine Ctgs Rail Div	BataviaIL
64R & W Machine	Bedford Park IL
65Kustom Seating Unlimited, Inc	Bellwood IL
66 Shamrock Specialty Labels	Bellwood IL
67 Fastenal Ind & Construction Supply	Bellwood,IL
68Corrugated Metals	BelvidereIL
69Alloy Weld Inspection Co	BensenvilleIL
70Beanstitch, Inc	BensenvilleIL
71Industry-Railway Suppliers, Inc	BensenvilleIL
72Ireco LLC	BensenvilleIL
73L-V Industries Inc	BensenvilleIL



74 Phoenix Finishing, Inc	Bensenville IL
75Ronco Industrial Supply Co	Bensenville IL
76San Mateo	Bensenville IL
77 Triangle Engineered Products	Bensenville IL
78Precision Litho, Inc	Berkeley IL
79Engineered Fastener Co	Bloomingdale IL
80 Pres-On, Inc	Bolingbrook IL

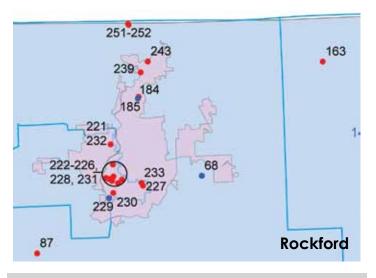
81Wi-TronixIL
82Arrow Pattern & Foundry Co Bridgeview IL
83Fabrication Specialties, IncBridgeviewIL
84 Broadview True Value Hardware Broadview IL
85D & W Manufacturing Company BroadviewIL
86Vapor Bus InternationalBuffalo GroveIL
87ByronIL

88JMA Rail Products	Carol Stream II
89Metals Technology Corp	Carol Stream II
90Nova Metals	Carol Stream II
91 Prince Industries	Carol Stream II
92R.S. Hughes	Carol Stream II
93Dangios Fine Art Work, Inc	Carol Stream II
94Able Electropolishing Company	Chicago II
95Accurate Metal Fabricating	Chicago II
96Accurate Products, Inc	Chicago II
97Active Foam	Chicago II
98Amsafe Commercial Products, Ind	c ChicagoII
99Amsted Industries	Chicago II
100Amsted Rail	Chicago II
101 Atwood Mobile Products	Chicago II
102Blue Star Embroidery Programs	Chicago II
103 Caplugs	Chicago II
104 Cardwell-Westinghouse	Chicago II
104Cardwell-Westinghouse	-
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105Central Steel And Wire	Chicago Il Chicago Il
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120 Pro-Mar Staple & Nail, Inc	. Chicago IL
121 R & B Powder Coating	. ChicagoIL
122Sanlo, Inc	. Chicago IL
123 Stanley Spring & Stamping	. Chicago IL
124 Vossloh Fastening Systems America	a ChicagoIL
125 Western-Cullen-Hayes	. Chicago IL
126 White Eagle Spring & Wire	. Chicago IL
127 Wisco Welding Industrial Supply	. Chicago IL
128 ALCO Springs Industries, Inc	. Chicago Heights IL
129Funk Linko	. Chicago Heights IL
130Saporito Finishing Co	. Cicero IL
131 V Brothers Machine Corporation	. Cicero IL
132Bay Insulation Supply Of Illinois	. Countryside IL
133Holland LP	. CreteIL
134 Forge Resources Group	. Dekalb IL
135La Marche	. Des PlainesIL
136Lea & Sachs	. Des PlainesIL
137Pamco Label Co	. Des Plaines IL
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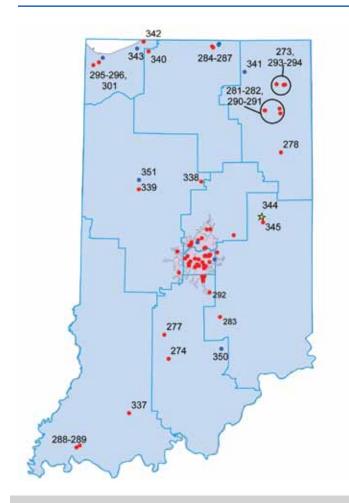
152Paratech, Inc	Frankfort IL
153Belmont Plating Works, Inc	Franklin Park IL
154 Fluid-Aire Dynamics Co	Franklin Park IL
155Swingmaster Corp	Franklin Park IL
156W.W. Grainger	Franklin Park IL
157 Miner Enterprises, Inc	Geneva IL
158 Allied Electronics	Glen Ellyn IL
159Bisco Industries, Inc	Glendale Heights I
160 Express Fasteners, Ltd	Glendale Heights I
161 Screws Industries	Glendale Heights I
162 YKK U.S.A., Inc	Glenview IL
163 Harvard Products, Inc	Harvard IL
164 Avers Machine & Manufacturing	Harwood Hts IL
165 Tauber Brothers	Harwood Hts IL
166Rexroth Bosch Group	Hoffman Estates. IL
167Superior Felt & Filtration, LLC	InglesideIL
107superior reit & Filtration, ELC	
168Clipper Industries, Inc	
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184 Powermark International	. Machesney Park. IL
185 Safeway Services of Rockford	. Machesney Park. IL
186 Midwest Steel & Rack	. Madison IL
187 MS Action Machining	. McHenry IL
188OMNI Products, Inc	. McHenry IL
189 Allied Packaging Systems	. Melrose Park IL
190Alro Steel	. Melrose Park IL
191 Bodycote Thermal Processing, Inc.	. Melrose Park IL
192 Economic Plastic Coating, Inc	. Melrose Park IL
193 Elcon	. Minooka IL
194 Harrington Signal, Inc	. Moline IL
195Whiting Corporation	. Monee IL
196Eastwest Elastomer Group LLC	. Montgomery IL
197National Railway Equipment Co	. Mount Vernon IL
198U.S.A. Fab, Inc	. Mt. Prospect IL
199 ProBuilt Professional Lighting	. Mundelein IL
200Alstom USA, Inc	. Naperville IL
201 Techno-Weld Consultants	. New Lenox, IL
202Disco Machine & Mfg	. Norridge IL
203Chemco Manufacturing	. Northbrook IL
204Chris Industries, Inc	. Northbrook IL
205Imperial Threads	. Northbrook IL
206Rogan	. Northbrook IL
207Zeco Manufacturing	. Northfield IL
208Sherwin Williams	. NorthlakeIL
209LB Foster Rail Products	. Oak BrookIL
210 Dubois Fabrics	. Oak LawnIL
211 Newark Electronics	. PalatineIL
212Adecco	. Palatine,IL
213Standard Car Truck Co, Inc	. Park Ridge IL
214 Caterpillar	. Peoria IL
215 Superior Components, Inc	. PlainfieldIL



216 American Gear IL
217. Nippon Sharyo USA Rochelle IL
218Hill FastenerIL
219IFH GroupIL
220R & R MetalcraftIL
221 Advanced Machine & Engineering RockfordIL
222Dasco ProIL
223Dixon Automatic Tools RockfordIL
224Fiberglass InnovationsIL
225Forgings & StampingsIL
226GFI Metal TreatingIL
227Global Display Solutions RockfordIL
228Leatherhead Tools IL
229MTE HydraulicsIL
230Pyramid PlasticsIL
231Rail Construction Equipment Co RockfordIL
232 Target Laser & Machining, Inc RockfordIL
233 The Caldwell GroupIL
234 Lenzip Manufacturing Rolling Meadows. IL
235CGI Automated Manufacturing RomeovilleIL
236Chicago Tube & IronIL
237Colo Railroad BuildersIL

238Stucchi USA	Romeoville IL
239 Pbc Linear	RoscoeIL
240 Abbate Screw Products, Inc	RoselleIL
241 Metal Tech., Inc	RoselleIL
242 Scientific Metal Treating	RoselleIL
243 Alternative Bearing Corp	SchaumburgIL
244 Beyond Components	SchaumburgIL
245 Electro Wire	SchaumburgIL
246 Accent Metal Finishing	Schiller Park IL
247Hi-Tech Manufacturing, LLC	Schiller Park IL
248 Mohawk Spring Corporation	Schiller Park IL
249 National Railway Equipment Co	SilvisIL
250Blue Ribbon Fastener Co	SkokieIL
251 Electrol Specialties	South Beloit IL
252 Meadoweld Machine, Inc	South Beloit IL
253Hadady	South Holland IL
254 Ellcon-National	St. CharlesIL
255 Westwood Machine & Tool	SterlingIL
256KSO Metalfab, Inc	Streamwood IL
257Viso'S Machine Shop	Streamwood IL
258 Teleweld, Inc	StreatorIL
259 HFR Precision Machining, Inc	Sugar GroveIL
260 Midway Industrial Equipment, Inc	Sugar GroveIL
261 QC Powder, Inc	Villa ParkIL
262Aldon	Waukegan IL
263 Anchor Brake Shoe Co	West Chicago IL
264 GK Steel Services	West Chicago IL
265Simplex	Westmont IL
266MRT Track & Services	WheatonIL
267 Technical Products, Inc	WheatonIL
268 Microtech Machine Company	WheelingIL
269 Icon Metalcraft, Inc	Wood Dale IL

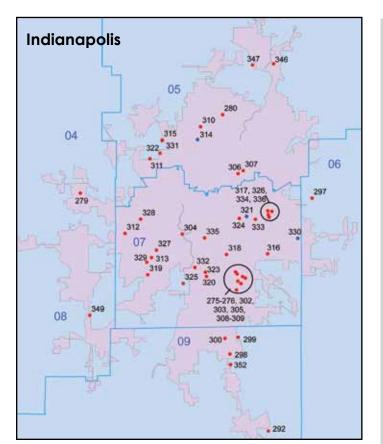


270 J.P. Bell Fabricating, Inc	. Wood Dale IL
271 MSC Industrial Supply Co	. Wood Dale IL
272 Progress Rail Services	. WoodridgeIL

INDIANA

273Prince Manufacturing Avilla	IN
274 Dynamic Specialty Metal Spinning Bedford	IN
275 JP Corp Beech Grove	e IN
276 Katalyst Industrial Coatings Beech Grove	e IN
277 National Salvage & Service Corp Bloomington	nIN
278 Nesco Rentals Bluffton	IN
279Schindler Electric Brownsburg	gIN
280 Industrial Specialties Carmel	IN
281LB Foster Columbia Ci	tyIN
282Steel Dynamics Sales N. America Columbia Ci	tyIN

283Taylor Bros Construction	. Columbus IN
284ACTIA	Elkhart IN
285Adams & Westlake	. Elkhart IN
286Dynamic Metals	. Elkhart IN
287Hadley Products Corp	. Elkhart IN
288Flanders Electric	. Evansville IN
289Industrial Filter Manufacturers	. Evansville IN
290Crane America Services	. Fort Wayne IN
291Press-Seal Gasket Corp Fastener Div	Fort WayneIN
292Quality Mill Supply Co., Inc	. Franklin IN
293Griffith Rubber Mills	. Garrett IN
294Griffith Rubber Mills	. Garrett IN
295Pro Pump	. Gary IN
296Stanrail	. Gary IN
297Midwest Mole, Inc	. Greenfield IN
298Advantage Electronics	. Greenwood IN
299American Industrial Corporation	. Greenwood IN
300Wessels Co	GreenwoodIN
301Diesel Electrical Equipment	GriffithIN
302A & A Industrial Supply	IndianapolisIN
303 Alro Steel	IndianapolisIN
304 American Wire Rope & Sling	. Indianapolis IN
305 Applied Industrial Technologies	IndianapolisIN
306Baker Machinery	IndianapolisIN
307Bisco Industries	IndianapolisIN
308Bo-Mar Industries	. Indianapolis IN
309Crown Screw & Bolt	IndianapolisIN
310Delta Faucet	. Indianapolis IN
311E-A-R Specialty Composites	. Indianapolis IN
312Elliott Equipment	IndianapolisIN
313Fairbanks Scales	IndianapolisIN
314Firestone Industrial Products	. Indianapolis IN



315Grunau Indianapolis IN
316 High Voltage Maintenance Indianapolis IN
317IDS Blast Finishing Indianapolis IN
318 Indianapolis Drum Service Indianapolis IN
319Joseph T Ryerson & Son Indianapolis IN
320Kennedy Tank & Manufacturing Indianapolis IN
321Koorsen ProtectionIndianapolis IN
322LandsbergIN
323Lauck MfgIN
324 Lawler Manufacturing Indianapolis IN
325Lehigh Hansen Aggregates Indianapolis IN
326Loy Instrument Indianapolis IN
326 Loy Instrument Indianapolis IN
326 Loy Instrument Indianapolis IN 327 McGinty Conveyors Indianapolis IN
326Loy Instrument Indianapolis IN 327McGinty Conveyors Indianapolis IN 328PEI Genesis Indianapolis IN

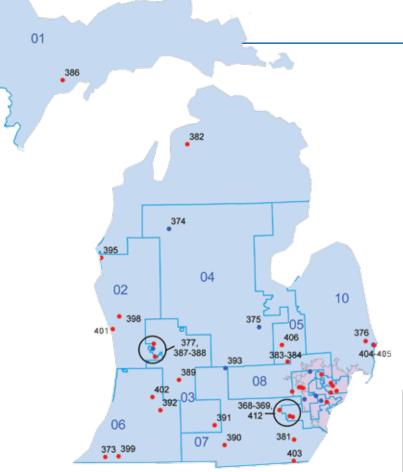
331System Scale	Indianapolis IN
332 Tarpenning-Lafollette	Indianapolis IN
333 The Andersen's Rail Group	Indianapolis IN
334Unistrut Indianapolis	Indianapolis IN
335Universal Tool & Supply	Indianapolis IN
336 Worldwide Filters	Indianapolis IN
337 NAP GLADU Tools	Jasper IN
338 Pepka Spring	Kokomo IN
339 Wabash National Corporation	Lafayette IN
340 E&L Paving & Construction	LaPorte IN
341Structural Composites of Indiana	Ligonier IN
342 Dwyer Instruments	Michigan City IN
342Dwyer Instruments 343Sprague Devices	
	Michigan City IN
343Sprague Devices	Michigan City IN Muncie IN
343Sprague Devices 344. Electro-Motive Diesel	Michigan City IN Muncie IN Muncie IN
 343Sprague Devices 344. Electro-Motive Diesel 345Lift-a-Loft 	Michigan City IN Muncie IN Muncie IN Noblesville IN
 343Sprague Devices 344. Electro-Motive Diesel 345Lift-a-Loft 346Gaylor Electric 	Michigan City IN Muncie IN Muncie IN Noblesville IN Noblesville IN
 343Sprague Devices 344. Electro-Motive Diesel 345Lift-a-Loft 346Gaylor Electric 347Inohva Pneumatics 	Michigan City IN Muncie IN Muncie IN Noblesville IN Noblesville IN Pendleton IN
 343Sprague Devices	Michigan City IN Muncie IN Muncie IN Noblesville IN Noblesville IN Pendleton IN Plainfield IN
 343Sprague Devices	Michigan City IN . Muncie IN Muncie IN Noblesville IN Noblesville IN Pendleton IN Plainfield IN

KANSAS

353 Amsted RPS	Atchison	KS
354Bradken	Atchison	KS

KENTUCKY

359. National Railway Equipment	. Paducah	KY
358 Invensys Rail	. Marion	.KY
357 Invensys Rail	. Louisville	.KY
356 Dynamic Metals Kentucky LLC	. Louisville	.KY
355KONI North America	. Hebron	.KY



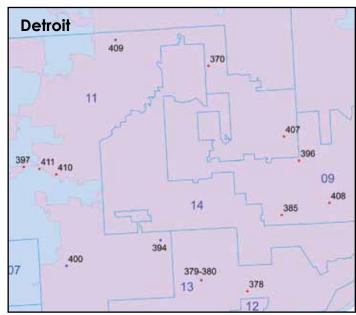
LOUISIANA

360NRE Power Systems	HoumaLA
361 Graham-White Manufacturing Co	Shreveport LA
MARYLAND	
362 ARINC Rail (Rockwell Collins)	Annapolis MD
363 RailPlan International, Inc	Baltimore MD
364 Wabtec Railway Electronics	Germantown MD
365IFE North America	Westminster MD

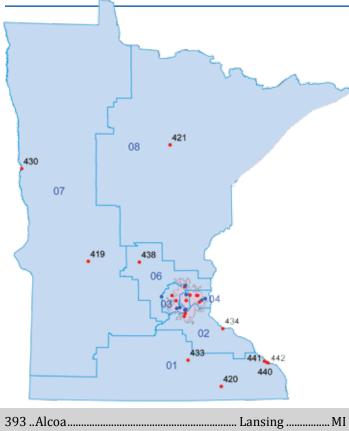
- 366 ..Knorr Brake Corp..... Westminster MD
- 367 ...Merak North America Westminster MD

MICHIGAN

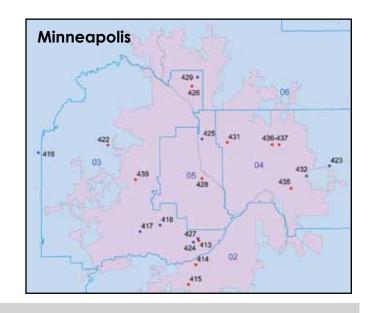
368 Dexter Stamping	Ann Arbor MI
369 Schnorr	Ann Arbor MI
370Custom Service & Design	Auburn Hills MI
371 Pettibone Michigan	Baraga MI
372 Peaker Services	Brighton MI



373Aalfs Petroleum Buchanan MI
374Borg Warner Cooling Cadillac MI
375 Hehr International MI
376 Hess Asphalt Paving & Construction Clyde MI
377Dubric Packing & Seals Comstock ParkMI
378 Chemcoa MI
379 Detroit Diesel MI
380MTU America MI
381 Mitchell Equipment Corporation Dundee MI
382 East Jordan Iron Works East Jordan MI
383FMC Rail MI
383FMC Rail MI 384Progress Rail Equipment Leasing Fenton MI
384 Progress Rail Equipment Leasing Fenton MI
384Progress Rail Equipment Leasing Fenton MI 385Powertran MI
 384Progress Rail Equipment Leasing Fenton MI 385Powertran MI 386Independent Machine Company Gladstone MI
 384Progress Rail Equipment Leasing Fenton MI 385Powertran MI 386Independent Machine Company Gladstone MI 387American Seating Grand Rapids MI
 384Progress Rail Equipment Leasing Fenton MI 385Powertran Ferndale MI 386Independent Machine Company Gladstone MI 387American Seating Grand Rapids MI 388Suspa Grand Rapids MI
 384Progress Rail Equipment Leasing Fenton MI 385Powertran Ferndale MI 386Independent Machine Company Gladstone MI 387American Seating Grand Rapids MI 388Suspa Grand Rapids MI 389Hastings Fiber Glass Hastings MI

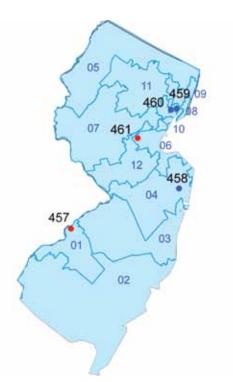


3	93AIcoa	Lansing MI
3	94G4S Secure Solutions USA	Livonia MI
3	95Harsco Rail	Ludington MI
3	96Brasco International	Madison Heights. MI
3	97General Bearing	Milford MI
3	98Trinity Equipment	Muskegon MI
3	99Kenneth Smith Inc	Niles MI
4	00ZF North America	Northville MI
4	01Omnicast LLC	Norton Shores MI
4	02Peloton, Inc	Otsego MI
4	03Bullard Company	Ottawa Lake MI
4	04Bach-Simpson	Port Huron MI
4	05 Michigan Petroleum Technologies .	Port Huron MI
4	06Hougen Manufacturing	Swartz Creek MI
4	07Schaeffler Group North America	Troy MI
4	08 Armond Cassil Railroad Construction	. Warren MI
4	09Hadley-Transmatic	Waterford MI
4	10NLB Corporation	Wixom MI



MINNESOTA			
412 Interclean Equipment Ypsilanti.	MI		
411Railmark Holdings, Inc Wixom	MI		

413 Aspen Equipment Company Bloomington MN
414 Edward Kraemer and Sons Burnsville MN
415Northern Tool & Equipment Burnsville MN
416Railway Equipment Co Delano MN
417 Eaton Hydraulics Group USA Eden Prairie MN
418 ISC Applied Systems, Inc Eden Prairie MN
419Wasp, IncMN
420 Andy's Electrical Service Grand Meadow . MN
421Industrial LubricantMN
422Loram MN
422Loram MN 423Telemetry & Process Controls Lake Elmo MN
423 Telemetry & Process Controls Lake Elmo MN
423Telemetry & Process Controls Lake Elmo MN 424Donaldson Company, Inc Minneapolis MN
 423Telemetry & Process Controls Lake Elmo MN 424Donaldson Company, Inc Minneapolis MN 425Reviva MN
 423Telemetry & Process Controls Lake Elmo MN 424Donaldson Company, Inc Minneapolis MN 425Reviva Minneapolis MN 426Spiral Manufacturing Minneapolis MN
 423Telemetry & Process Controls Lake Elmo MN 424Donaldson Company, Inc Minneapolis MN 425Reviva Minneapolis MN 426Spiral Manufacturing Minneapolis MN 427Thermo King Corp Minneapolis MN



431 Accustream New Brighton MN
432Oakdale Communications Solutions OakdaleMN
433 Modern Metal Products Owatonna MN
434Railway Research MN
4353M Traffic Safety Systems St. Paul MN
436Dynamic Air, Inc St. Paul MN
437IPS WorldwideMN
438McDowall Co MN
439Lewis Bolt & Nut Co Wayzata MN
440Badger Equipment Company Winona MN
441Fastenal Company Winona MN
442 Miller Felpax Corporation Winona MN

MISSOURI

443 Able Manufacturing and Assembly	. Joplin	.MO
444 Chemetron	Kansas City	MO
445 Wabtec Global Services	Kansas City	MO
446 Snyder Equipment Co., Inc	Nixa	MO
447 Snyder Equipment Co., Inc	. Wheatland	MO

MISSISSIPPI

448. Siemens Industry, Inc.	Richland MS			
NORTH CAROLINA				
440 To - To	Dualia star			

449 Tec Tran	. Burlington	.NC
450ABB	. Cary	.NC
451Railroad Friction Products Corp	. Laurinburg	.NC
452Cummins, Inc	. N. Whitakers	.NC
453 Lantal Textiles	. Rural Hall	.NC

NEBRASKA

454Tl	hermo	King	Corp	 . Hastings	NE

455Kawasaki Motors Manufacturing LincolnNl	E
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NEW HAMPSHIRE

456Nora Systems, Inc	NH	ł
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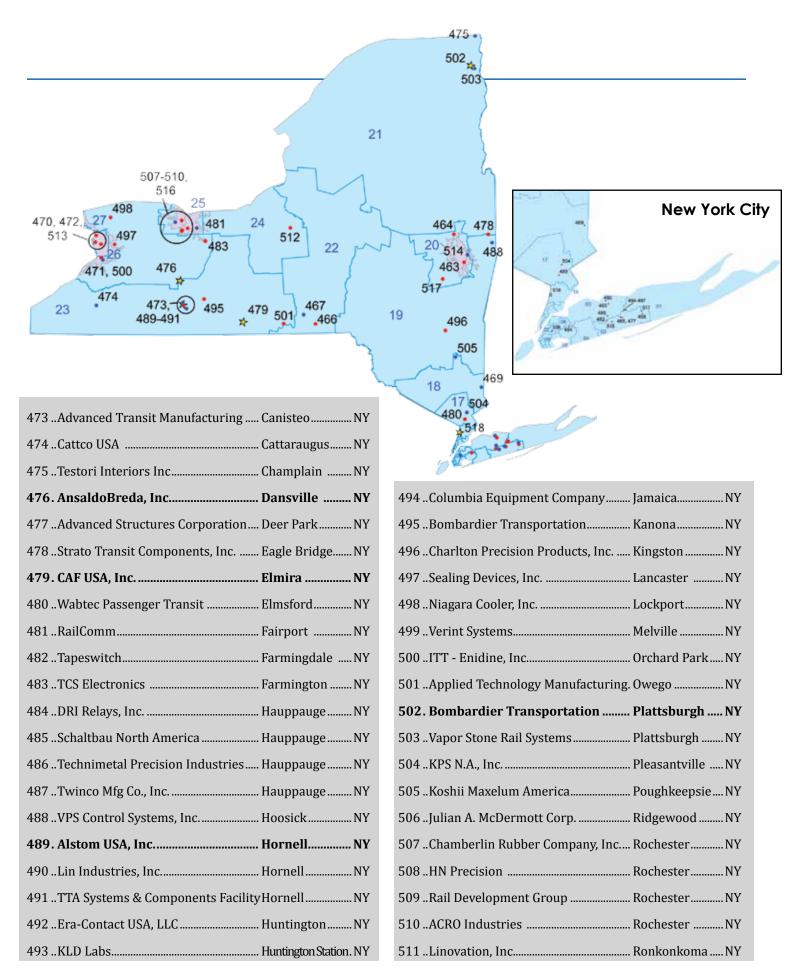
NEW JERSEY

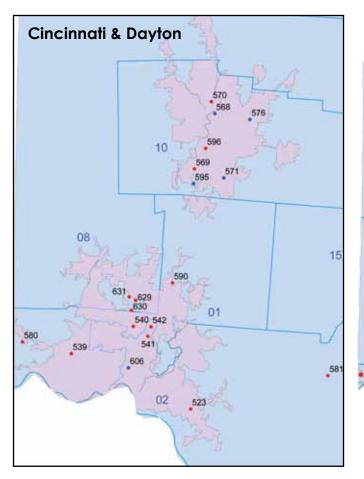
457Bombardier Transportation Camden	٩J	
458Dialight	٩J	
459MAC Products, Inc	٩J	
460Panasonic Corp of North America Newark	٩J	
461Strato Transit Components, Inc Piscataway	٩J	
NEVADA		

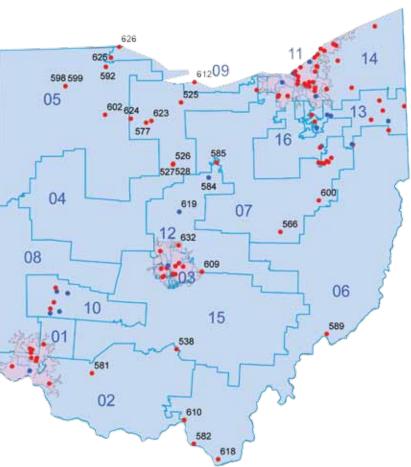
462 ...Graham-White Manufacturing Co..... Carson City......NV

NEW YORK

463 Simmons Machine Tool Corp Albany NY
464SEPSA North America Ballston Spa NY
465Snake TrayNY
466 Harris Assembly Group Binghamton NY
467Westcode IncNY
468 Precision Assembly Technologies BohemiaNY
469 Hudson Machine Works, Inc Brewster NY
470Buffalo Metal Casting Co., IncBuffaloNY
471 Transco Railway Products, Inc BuffaloNY
472CMF/Continental FanNY



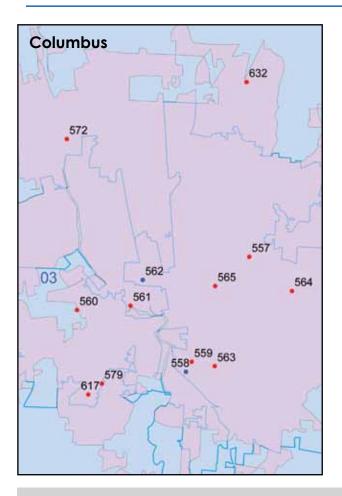


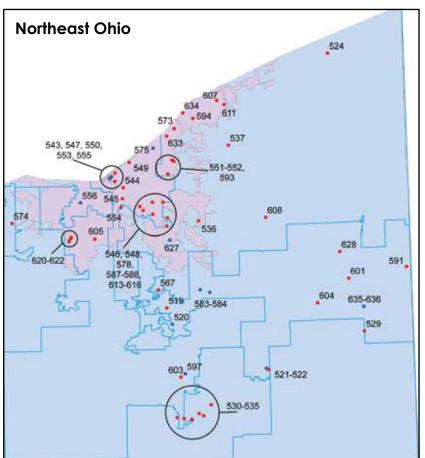


517Hannay Reels		
516Alstom Signaling North America 517Hannay Reels		
515 Matrix Railway Corporation		
514 International Electronic Machines	. Troy	NY
513 Woodward Industries	. Tonawanda	NY
512 Meloon Foundries	. Syracuse	NY

519 Ace Precision Industries	Akron OH
520RCA Rubber	Akron OH
521 Alliance Casting	Alliance OH
522Filnor	Alliance OH
523 Solutions Plus, Inc	Amelia OH
524Delta Railroad Construction	Ashtabula OH

525Seneca Railroad & Mining Bellevue OH
526 American & Ohio Locomotive Crane Bucyrus OH
527North American Equipment Sales Bucyrus OH
528W.E. LottOH
529Morrison Metalweld Process Corp Canfield OH
530Midwest Industrial Supply Canton OH
531Ohio GratingsOH
532Ralph C. Williams OH
533Sperling Railway Services Canton OH
534TimkenOH
535United GrindingOH
536 Construction Polymers Technologies. Chagrin Falls OH
537Solon ManufacturingOH
538Union Spring & Manufacturing Chillicothe OH



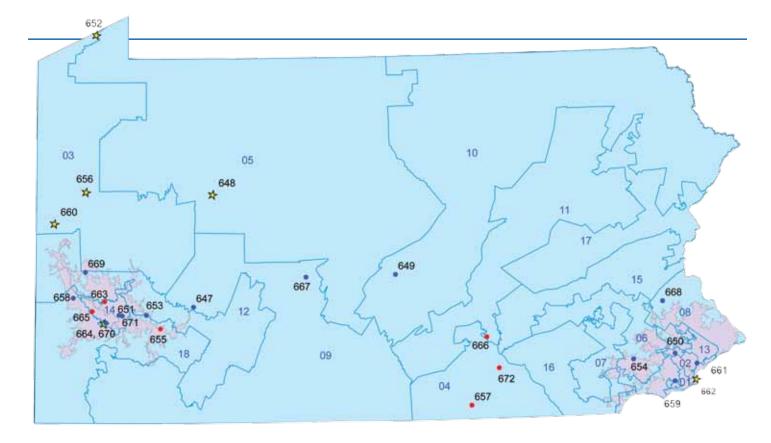


539Cliffe Metal Products	Cincinnati OH
540Crown Lift Trucks	Cincinnati OH
541Fechheimer Brothers	Cincinnati OH
542 Piedmont Plastics	Cincinnati OH
543 Applied Industrial Technologies	Cleveland OH
544Cleveland Track Material	Cleveland OH
545CR Construction	Cleveland OH
546 Demag Cranes & Components	Cleveland OH
547 Eaton Corporation	Cleveland OH
548Erico Products	Cleveland OH
549Hickok inc	Cleveland OH
550N. T. Ruddock Company	Cleveland OH
551Parker	Cleveland OH
552 Performed Line Product	Cleveland OH
553Sherwin Williams	Cleveland OH

555State Industrial ProductsOlevelandOH 556Swiger Coil CompanyClevelandOH 557Capital Spring DivisionColumbusOH 558Columbus Steel Castings CoColumbusOH 559Fritz Rumer CookeColumbusOH 560Laird PlasticsOH 561Ohio Power ToolColumbusOH 562Rail Products InternationalColumbusOH 563Spirit ServicesOH 564Tri Palm InternationalColumbusOH 565Yenkin MajesticOH 566Sancast IncOH 567Becker PumpsCuyahoga FallsOH	554SIFCO Selective Plating Cleveland OH
 557Capital Spring Division	555State Industrial Products ClevelandOH
558Columbus Steel Castings Co.ColumbusOH559Fritz Rumer CookeOHColumbusOH560Laird PlasticsOHColumbusOH561Ohio Power ToolOHColumbusOH562Rail Products InternationalColumbusOH563Spirit ServicesOH564Tri Palm InternationalColumbusOH565Yenkin MajesticOH566Sancast IncOH567Becker PumpsCuyahoga FallsOH	556Swiger Coil Company Cleveland OH
559Fritz Rumer CookeOH 560Laird PlasticsOH 561Ohio Power ToolOH 562Rail Products InternationalColumbusOH 563Spirit ServicesOH 564Tri Palm InternationalOH 565Yenkin MajesticOH 566Sancast IncOH 567Becker PumpsOH	557 Capital Spring Division Columbus OH
560 Laird Plastics	558Columbus Steel Castings Co Columbus OH
561Ohio Power ToolOhio Power Tool	559Fritz Rumer Cooke OH
 562Rail Products International	560 Laird Plastics OH
 563Spirit ServicesOH 564Tri Palm InternationalOH 565Yenkin MajesticOH 566Sancast IncOH 567Becker PumpsOH 	561 Ohio Power Tool OH
564Tri Palm InternationalColumbusOH565Yenkin MajesticColumbusOH566Sancast Inc.CoshoctonOH567Becker PumpsCuyahoga FallsOH	562Rail Products International Columbus OH
 565Yenkin MajesticOH 566Sancast IncOH 567Becker PumpsOH 	563Spirit ServicesOH
566Sancast IncOH 567Becker PumpsOH	564 Tri Palm International OH
567Becker Pumps Cuyahoga FallsOH	565Yenkin MajesticOH
	566Sancast IncOH
568Dayton-Phoenix Group, Inc DaytonOH	567Becker Pumps Cuyahoga Falls OH
	568 Dayton-Phoenix Group, Inc Dayton OH

569 Precision Gage & Tool	. Dayton OH
570Sabic Polymershapes	. Dayton OH
571 Stromag	. Dayton OH
572 LB Foster	. Dublin Oł
573 Spectrum Infrared	. Eastlake OH
574 Master Bolt Manufacturing	Elyria Oł
575 PPG Industries	. Euclid Of
576 Lockheed Martin	Fairborn OH
577 Morgan AM & T	. Fostoria Oł
578R.E.L.A.M., Inc	Glenwillow OH
579 Advance CNC Machining	Grove City OH
580 Cincinnati Incorporated	Harrison OH
581 Railroad Tools & Solutions	Hillsboro Oł
582 Asplundh Railroad Division	. Ironton OH
583 Ametek Rotron Products	Kent OH
584Schneller	Kent OH
585 ADTrans (Advanced Transit Seating)	
	. Mansfield OF
585 ADTrans (Advanced Transit Seating)	. Mansfield Of . Mansfield Of
585ADTrans (Advanced Transit Seating) 586D & A International Casting	. Mansfield OH Mansfield OH Maple Heights OH
585ADTrans (Advanced Transit Seating) 586D & A International Casting 587Clifton Steel	. Mansfield OH Mansfield OH Maple Heights OH Maple Heights OH
585ADTrans (Advanced Transit Seating) 586D & A International Casting 587Clifton Steel 588Ohio Magnetics	. Mansfield OH Mansfield OH Maple Heights OH Maple Heights OH Marietta OH
 585ADTrans (Advanced Transit Seating) 586D & A International Casting 587Clifton Steel 588Ohio Magnetics 589Hi-Vac Corporation 	. Mansfield OF . Mansfield OF . Maple Heights OF . Maple Heights OF . Marietta OF . Mason OF
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 585ADTrans (Advanced Transit Seating) 586D & A International Casting 587Clifton Steel	. Mansfield OF . Mansfield OF . Maple Heights OF . Maple Heights OF . Marietta OF . Mason OF . Masury OF . Maumee OF . Mayfield Village OF . Mentor OF
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 585ADTrans (Advanced Transit Seating) 586D & A International Casting	. Mansfield OF . Mansfield OF . Maple Heights OF . Maple Heights OF . Marietta OF . Mason OF . Masury OF . Maumee OF . Mayfield Village OF . Mentor OF . Miamisburg OF . Moraine OF . N. Canton OF

601LB Foster	NilesOH
602D.S. Brown	
603Timken	North Canton OH
604Railworks Track Services	
605Quest Corporation	ŕ
606 Siemens Industry, Inc	-
607SAS Rubber	
608 Iron Horse Engineering	
609Redhawk Energy Systems	
610KSA	
611 Ohio Valley Trackwork	
612 Industrial Nut	
613Acme Construction	•
614Chromate Industrial	
615RELAM	
616 Tameran Graphic Systems	
617 Watcon	
618 McSweeney's, Inc	
619 Vomela Specialty Co	
620 Chemical Methods	
621Safety Sign Co	-
622 Durox	0
623Seves USA	-
624 Tiffin Crane	
625A & K Railroads Materials	
626 Kay Toledo Tag	
627 Visual Marking Systems	- The second
628 Schaefer	
629 Contech Engineered Solutions	
630 Newberry Construction	
631 TSS Technology	
632RWC Inc	Westerville OH



OKLAHOMA		
636 Transit Fittings of North America	. Youngstown	ОН
635 Dekay Fabricators, Inc	. Youngstown	ОН
634Kottler Metal Products	. Willoughby	ОН
633 Stevenson Oil & Chemical	. Wickliffe	OH

638 Railroad Signal International	TulsaOK	
637 Eaton Corporation	ShawneeOK	

OREGON

- 639. United Streetcar OR
- 640 ..Griffith Rubber Mills..... Eugene OR
- 641 .. AM Equipment OR
- 642 ..Greenbrier Rail Services Lake Oswego OR
- 643 .. Griffith Rubber Mills..... Portland...... OR
- 644 .. Gunderson, LLC Portland...... OR
- 645 .. Northwest Rail Electric, Inc..... Portland...... OR
- 646 .. Greenbrier Rail Services Springfield OR

PENNSYLVANIA

647 ...Penn Machine Co - Transit Div...... Blairsville...... PA

648. Brookville Equipment	. Brookville PA	
649Standard Steel	. Burnham PA	
650 Young Windows	Conshohocken PA	
651 Siemens Rail Automation	. East Pittsburgh. PA	
652. GE Transportation Systems	. Erie PA	
653Fulmer Company	. Export PA	
654USSC Group	. Exton PA	
655 Wabtec Rubber Products	. Greensburg PA	
656. GE Transportation Systems	. Grove City PA	
657 CAM Innovation, Inc	. Hanover PA	
658 A. Stucki Company	. Moon TwpPA	
659 UTC/Rail & Airsources , Inc	. Morton PA	
660. Kasgro Rail	. New Castle PA	
661Bentech, Inc	. Philadelphia PA	
662. Hyundai Rotem Co	. Philadelphia PA	
663Barber Spring	. PittsburghPA	
664. Bombardier Transportation	. Pittsburgh PA	
665LB Foster	. Pittsburgh PA	

666 Arcelor Mittal	. SteeltonP	A
667 ORX Rail	. Tipton P.	A
668 North American Speciality Glass	. Trumbauersville. P.	A
669 Mitsubishi Electric Power Products	WarrendaleP.	A
670 Bombardier Transportation	. West Mifflin P.	A
671 Wabco Locomotive Products	. Wilmerding P.	A
672Voith Turbo, Inc	. York P.	A

SOUTH CAROLINA

673 Ansaldo STS USA	. Batesburg	SC
674 Wabtec Passenger Transit	. Duncan	SC
675Ellcon-National, Inc	. Greenville	SC
676 Faiveley Transport, Inc	. Greenville	SC
677Eaton Electrical	. Greenwood	SC
678HUBNER Manufacturing Corp	. Mount pleasant	SC
679 Transtech Power Transfer Systems	. Piedmont	SC
680MERMEC, Inc	. West Columbia	SC

TENNESSEE

681 Young Touchstone	JacksonT	N
682 Young Touchstone	Lexington T	N

TEXAS

683. GE Manufacturing Solutions	. Fort Worth TX
684 Maverick Technical Systems	. Gladewater TX
685Safety Vision	. Houston TX
686 Toshiba International Corporation .	. Houston TX
687Luminator Rail	. Plano TX

UTAH

688 ..Rocky Mountain Composites Spanish Fork..... UT
VIRGINIA

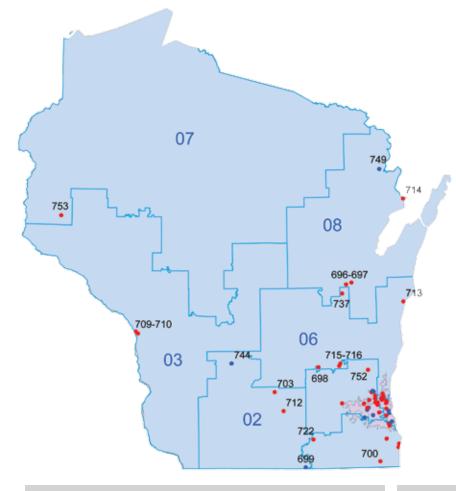
689 Vista Corporation	Roanoke	.VA
690Graham-White Manufacturing Co	Salem	.VA
691 Longwood Elastomers, Inc	Wytheville	.VA

WASHINGTON

WICCONCIN		
695 Oregon Iron Works, Inc	. Vancouver	.WA
694LB Foster	. Spokane	.WA
693 Talgo	. Seattle	.WA
692 North Pacific Communications	. Camas	.WA

WISCONSIN

696 L&S Electric WI
697 Presto Geosystems Appleton WI
698 Apache Stainless Equipment Beaver Dam WI
699 Fairbanks Morse Engine Beloit WI
700 Anderson Manufacturing Bristol WI
701 Engineering Specialists Brookfield WI
702 Milwaukee Composites Cudahy WI
703 E80 Plus Constructors DeForest WI
704 Fiber-Tech WI
705Airgas Safety WI
706 J.W. Speaker WI
707Sigma Coachair Germantown WI
708Sedia WI
709 Compass Group Ua Crosse WI
710J.F. Brennan Company, Inc La Crosse WI
711D & B Tool & Manufacturing, Inc LannonWI
712 Osmose Railroad Services, Inc Madison WI
713Heavy Metal Fabricators Manitowoc WI
714Silvan Industries WI
715Mayville EngineeringWI
716 Metalcraft of Mayville, Inc Mayville WI
717Certified Scale Menomonee Falls.WI
718Ingersoll Rand Menomonee Falls WI
719Schunk Graphite Technology Menomonee Falls WI
720 Universal Metrics Menomonee Falls WI
721Sullivan Manufacturing Mequon WI



Milwaukee 706707 721 726-728	
705 719 730, 733, 720 735 720	
745 711 718 723	
701 700 708, 725, 701	1
748 729 724 746 751 04	
747 738 731	
25 The Town To	2
739-741	

722R & M Manufacturing Milton WI
723Atlas Copco WI
724Capitol Stampings WI
725General PlasticsWI
726KracorWI
727Monarch CorporationWI
728 Motive Equipment Milwaukee WI
729 Ntl Railway Equipment - Wheel Works. Milwaukee WI
730RES Manufacturing Milwaukee WI
731Rockwell Automation Milwaukee WI
732Securitas WI
733Super Steel ProductsWI
734 Technical Metal Specialties Milwaukee WI
735 Wagner Collaborative Metal Works . Milwaukee WI

737Racine Railroad Products, Inc Mt. Pleasant WI
738Bent TubesWI
739A&A Manufacturing New Berlin WI
740AAA Sales & Engineering, Inc Oak Creek WI
741Milwaukee Composites Oak Creek WI
742Nordco, Inc WI
743Premold Corporation Oconomowoc WI
744HFI Fluid Power Products RacineWI
745Seats, Inc WI
746Liberty Electric WI
747Hatz Diesel of America, Inc Waukesha WI
748WeldallWI
749Wieland Engineering & Mfg Waukesha WI
750 Wausaukee Composites Wausaukee WI

Citations

751 American Paper Packaging Wau	watosaWI
752 Northern Tool & Equipment West	t Allis WI
753 The Sign Shop of West Bend West	t BendWI
754 OEM Fabricators, Inc Woo	dvilleWI

WYOMING

755Flanders Electric	Casper WY
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1. Glen Weisbrod and Derek Cutler, "Economic Impact of Public Transportation Investment: 2014 Update," American Public Transportation Association, v, http://www.apta.com/resources/reportsandpublications/Documents/ Economic-Impact-Public-Transportation-Investment-APTA.pdf.

2. Ibid.

3. MTA. "Facts and Figures." http://web.mta.info/nyct/facts/ffsubway.htm.

4. CTA. "Facts at a Glance." http://www.transitchicago.com/about/facts. aspx.

5. WMATA. "Metrorail Average Weekday Passenger Boardings." http:// www.wmata.com/pdfs/planning/2014%2010%20Year%20Historical%20 Rail%20Ridership.pdf.

6. Erik R. Pages and Brian Lombardozzi. "The Emerging U.S. Rail Industry: Opportunities to support American manufacturing and spur regional development," National Institute of Standards and Technology, 2. http://www. nist.gov/mep/upload/Rail-Report.pdf

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