

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Security and Life Safety Projects**

<b>State</b>	<b>Project</b>	<b>Estimate</b>	<b>Project Number</b>
CA	Expand/Acquire Police Facility at Los Angeles CA	330,000	PRJ29112000
CA	Purchase Trailer for Police Facility in Oakland CA	250,000	PRJ29112000
CA	Security hardening at passenger rail facilities and infrastructure	12,870,000	PRJ29112007
CT	Security hardening at passenger rail facilities and infrastructure	8,165,000	PRJ29112005
DC	Security hardening at passenger rail facilities and infrastructure	1,780,000	PRJ29112005
DE	Security hardening at passenger rail facilities and infrastructure	3,185,000	PRJ29112005
IL	Security hardening at passenger rail facilities and infrastructure	29,105,000	PRJ29112006
MA	New Facility Canine Unit - BOS	115,000	PRJ29112000
MA	Security hardening at passenger rail facilities and infrastructure	6,745,000	PRJ29112005
MD	Security hardening at passenger rail facilities and infrastructure	16,470,000	PRJ29112005
MD	SLS: Jericho Park Converter Station Refurbishment	6,500,000	PRJ29112102
MD	Redundant Radiating Cable In Baltimore Tunnels	2,600,000	PRJ29112110
MI	Fiber Optic Cable - Michigan Line	4,500,000	PRJ29112105
MI	Positive Train Control (Michigan Line)	10,000,000	PRJ29112113
MN	Security hardening at passenger rail facilities and infrastructure	2,465,000	PRJ29112006
NAT	Purchase & Install PBX Switch for NCC	100,000	PRJ29112000
NAT	Add Wireless Functionality to the New APD IMS System	2,000,000	PRJ29112000
NAT	Add I/InterCAD Module to the New APD IMS System	70,000	PRJ29112000
NAT	Add I/Sight and I/Alarm Plus to the New APD IMS System	200,000	PRJ29112000
NAT	Security hardening at passenger rail facilities and infrastructure	59,534,000	PRJ29112005
NAT	Program Administratio - Security & Life Safety	19,627,683	PRJ29110050
NEC	Upgrade & Expansion of APD Radio Network	700,000	PRJ29112000
NEC	SLS: Ivy City Substation and Transmission Line Improvements	20,000,000	PRJ29112103
NEC	Install Redundant Communication Cable	10,000,000	PRJ29112104
NEC	SLS: Redundant Cable to Sub-Stations	3,000,000	PRJ29112106
NEC	60HZ Backup Into Each C&S Location - NY to Wash	10,000,000	PRJ29112107
NEC	60HZ Backup Into Each C&S Location - New England Division	3,500,000	PRJ29112108
NEC	Redundant Radiating Cable In NY Tunnels	6,100,000	PRJ29112109
NEC	Positive Train Control (NEC)	50,000,000	PRJ29112113
NEC	NY Fire Standpipe System	40,000,000	PRJ29112114
NEC	Fall Protection for 220 signal bridges	5,000,000	PRJ29112116
NEC	Improvements to Platform Lighting - NEC Stations	10,000,000	PRJ29112117
NEC	Emergency Back Up Power Stations	4,030,000	PRJ29112118
NEC	Emergency Back up generators for NY Tunnels	20,000,000	PRJ29112119
NJ	Security hardening at passenger rail facilities and infrastructure	4,880,000	PRJ29112005
NJ	SLS: NY Division - Metuchen Frequency Converter	15,000,000	PRJ29112100
NJ	SLS: System Tranmission NEC - Metuchen Frequency Statability Study	1,500,000	PRJ29112101
NY	Renovate New York Penn Station Offices	830,000	PRJ29112000
NY	Security hardening at passenger rail facilities and infrastructure	11,240,000	PRJ29112005
NY	NY Penn Station Fire Alarm System	10,000,000	PRJ29112115
OR	Security hardening at passenger rail facilities and infrastructure	890,000	PRJ29112007
PA	Renovate 30th Street Station Ramp Office	80,000	PRJ29112000
PA	Renovate 30th Street Station Police Facility	500,000	PRJ29112000
PA	Security hardening at passenger rail facilities and infrastructure	15,205,000	PRJ29112005
RI	Security hardening at passenger rail facilities and infrastructure	2,865,000	PRJ29112005
WA	Security hardening at passenger rail facilities and infrastructure	13,090,000	PRJ29112007
WI	Security hardening at passenger rail facilities and infrastructure	2,465,000	PRJ29112006
		<b>447,486,683</b>	

## Glossary of Projects - Security and Life Safety

### Overview of Safety and Security Projects

**Northeast Corridor (NEC) and National Programs:** This project remediates physical infrastructure vulnerabilities in Amtrak's NEC and enhances national incident management and risk mitigation capabilities in the intercity passenger rail network. Tasks executed within this effort reduce the vulnerability of critical nodes in the transportation, traction power, and communications infrastructures. The National Programs segment of this project focuses on enhancements in situational awareness, incident management, recoverability and resilience within the national intercity passenger rail network. This effort prioritizes investments in improved Explosive Device (IED) and Vehicle Borne Improvised Explosive Device (VBIED) detection, risk assessment/risk reduction cycle optimization (improving the speed of project initiation when new vulnerabilities or risks are discovered), and communications interoperability among first responders.

**Chicago and Related Infrastructure:** This project focuses on the remediation of physical infrastructure vulnerabilities in the Chicago region, most specifically at Chicago Union Station, the South Branch Chicago River bridge, and the Chicago Maintenance Facility, as well as related facilities in the Twin Cities and Milwaukee. Selected facility hardening and situational awareness enhancements make up the majority of planned remediation solutions.

**Western Infrastructure:** This project mitigates physical infrastructure vulnerabilities at passenger rail facilities and infrastructure in the Western United States. Principal locations of projects are in the states of California, Washington, and Oregon.

### Glossary of Projects and Terms

**60Hz Backup Communication & Signals:** Currently, the NEC signal system relies on a single 100Hz line for power. This project will add a 60 Hz backup power system to the NEC between DC and New York, and north of New Haven; this will provide resilience and redundancy.

**Emergency back up generators for New York Tunnels:** Electricity generation systems to provide back up power for the NYPS PPDS, sump pumps, lighting, communication and ventilation in North and East River Tunnels in the event of a power loss to the electrical system. This will allow critical systems to continue to operate until normal power is restored.

**Emergency Back Up Power Stations:** Add generating capacity and associated wiring to emergency power for station and train needs at Washington Union Station, Baltimore Penn Station, Philadelphia 30th Street Station, and Providence, RI (among others).

## Glossary of Projects - Security and Life Safety

**Fall protection for 220 signal bridges:** OSHA requires all places where work is performed at heights greater than 8 feet to have “fall protection” to prevent accidents. This includes hard points, harnesses, and other equipment such as ladder cages (where appropriate) as specified by OSHA regulations. This project will provide such protection on 220 large metal overbridges that carry signal displays over the tracks on the NEC.

**Fiber optic cable – Michigan line:** Install a new fiber optic line on the Michigan Line between Kalamazoo, Michigan and Porter, Indiana. The existing copper cable will become a backup, and data and voice communications will shift to the fiber optic line, allowing greatly enhanced communication speed and capacity.

**Improvements to Platform Lighting - NEC Stations:** Install new lighting at stations along the NEC, including Baltimore Penn, Washington Union, and Philadelphia 30th Street (among others).

**Install redundant Communication Cable:** Install a new fiber optic line on the NEC. This will provide an additional cable, which is needed to ensure that the communications capability is survivable and resilient.

**Ivy City Substation and Transmission Line Improvements:** Project funds the construction of a new transmission line and new substation in the Ivy City complex. The Transmission line and substation will eliminate low voltages and nuisance trippings in the Washington Terminal area due to the overloading of the existing 12kv feeders. When completed, this project will provide redundancy and ensure a stable catenary voltage along with a more reliable and flexible traction power system on the southernmost terminus of the NEC.

**Metuchen Frequency Converter:** Install two additional cables to connect the Metuchen frequency converter to the NEC, providing additional flexibility and resilience in the New York region.

## Glossary of Projects - Security and Life Safety

**Metuchen Frequency Stability Study:** The “System Transmission NEC--Metuchen Frequency Stability Study” will result in a comprehensive 138 kV and 12 kV power system stability study to determine the performance of the power system in its current configuration. The study will identify how the system reacts during transient conditions and to identify the necessary upgrades and modifications needed to improve reliability, redundancy and overall capacity. This study is to identify areas of vulnerability in the system and make recommendations to eliminate them from the transmission/supply network.

**New York Fire Standpipe System:** This project adds an air monitoring system to the existing standpipe system in the North and East River Tunnels, which delivers water for firefighting to the New York tunnels. Air-vacuum isolation valves with fail-safe actuators and associated piping and compressors provide an automatic actuation system for the tunnel's fire suppression system.

**Positive Train Control:** Continue installation of the ACSES system on the Northeast Corridor and the ITCS system on Amtrak's Michigan line. PTC is a technology that automatically stops trains if their operators fail to comply with signal indications or speed restrictions. Funding includes money for the deployment of transponders and other equipment designed to provide engineers with vital information such as distance to the next speed restriction. Fifty million dollars of this funding pays for additional ACSES installations between New York and Washington on the NEC; \$10 million is needed to complete ITCS installation in Michigan.

**Redundant Cable to Substations:** Install new fiber optic cable in electric substations to provide a backup path for voice and data communications and signals; it will also increase capacity, allowing for the expansion of other data-related safety and security systems such as video cameras.

**Redundant radiating cable in Baltimore tunnels:** To avoid a break in radio communications for trains, a “radiating cable” (which acts like an antenna) is installed in the tunnels to carry radio signals to trains inside. This project will lead to installation of new cabling in the B&P and Union tunnels in Baltimore. The current cable will become a backup, allowing for redundancy and improved communications.

## **Glossary of Projects - Security and Life Safety**

**Redundant radiating cable in New York tunnels:** To avoid a break in radio communications for trains, a “radiating cable” (which acts like an antenna) is installed in the tunnels to carry radio signals to trains inside. This project will lead to installation of new cabling in all the tunnels leading into New York. The current cable will become a backup, allowing for redundancy and improved communications.

**SLS: Jericho Park Converter Station Refurbishment:** Refurbish 288 medium voltage "cell stack assemblies" for the electric traction system and air handling system at Jericho Park cycle converter station in Bowie, Maryland. The air system is 20 years old. It does not prevent air pollutants from entering the electronic components.

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

STATE	Project Name	Estimate	PRJ Number
AR	Static Signage Program: platform kiosk in one Arkansas station	\$11,000	PRJ29110081
AR	Mobility First: New wheelchair lift and enclosure in Little Rock AR; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
AR	Mobility First: New wheelchair lift in Texarkana AR	\$14,000	PRJ29110113
AR	Mobility First: New wheelchair lift and enclosure in Walnut Ridge AR; New pad for lift and sidewalk to platform; Improvements to walkway to center platform	\$41,400	PRJ29110113
AR	MOFE Little Rock, AR - Update Crew Base Offices	\$50,000	PRJ29116006
AR	Texarkana AR Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$1,250,000	PRJ29116013
AZ	Tucson AZ Transportation	\$25,000	PRJ29110026
AZ	Static Station Signage Program: platform kiosks in two Arizona stations	\$22,000	PRJ29110081
AZ	Mobility First: Install wheelchair lift and enclosure on existing platform in Flagstaff AZ	\$30,000	PRJ29110113
AZ	Mobility First: Kingman AZ includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
AZ	Mobility First: New wheelchair lift in Maricopa, AZ	\$14,000	PRJ29110113
AZ	Mobility First: New wheelchair lift and enclosure in Tucson AZ; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
AZ	Mobility First: New wheelchair lift and enclosure in Williams Junction AZ; New sidewalk to improve drop-off area and access to platform; Improvements to walkway to center platform	\$55,000	PRJ29110113
AZ	Mobility First: New wheelchair lift and enclosure in Winslow AZ; Improvements to walkway to center platform; Repave and paint accessible parking stalls	\$45,000	PRJ29110113
AZ	Mobility First: Design for improved access from station sidewalk to platform including ADA compliant ramps from tunnel to center island platform in Yuma AZ, repairs to platform and new tactile edge, improved lighting on access path, and new signage	\$233,000	PRJ29110113
AZ	Kingman AZ Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$600,000	PRJ29116013
AZ	Maricopa AZ Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$50,000	PRJ29116013
CA	Non-NEC Wireless Access points for Field Operations at Emeryville, Los Angeles, Martinez, San Diego, San Jose, Oakland, San Francisco and Stockton. La Junta CA	\$690,409	PRJ29110026
CA	Construction of LA Maintenance Facility	\$25,000,000	PRJ29110037
CA	Static Station Signage Program: platform kiosks in 17 California stations	\$187,000	PRJ29110081
CA	Mobility First: New wheelchair lifts and enclosures in Bakersfield CA	\$48,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Barstow CA; New pad for lift and sidewalk to platform; Repairs to brick platform	\$35,000	PRJ29110113
CA	Mobility First: Chico CA includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Colfax CA; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Corcoran CA; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Dunsuir CA; Improvements to walkway to center platform	\$35,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Fresno CA	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lifts and enclosures in Hanford CA; New pads for lifts and sidewalk to platform	\$53,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Lodi CA	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Merced CA	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Modesto CA	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Needles CA; New pad for lift and sidewalk to platform: New curb cut from street access	\$35,000	PRJ29110113
CA	Mobility First: New wheelchair lifts and enclosures in Oakland CA	\$48,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Ontario CA	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Paso Robles CA	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift in Pomona CA	\$14,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Redding CA: Improve access path from parking to station sidewalk	\$35,000	PRJ29110113
CA	Mobility First: New wheelchair lift in Salinas CA	\$14,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in San Bernardino CA; Improvements to walkway from station to center platform	\$45,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Stockton CA San Joaquin St. Station; Improvements to walkway to center platform	\$45,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Truckee CA; New pad for lift with retaining walls; New curb cut to parking lot	\$98,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Turlock-Denair CA	\$30,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Victorville CA; Repaint accessible parking stalls; Improvements to walkway to center platform	\$40,000	PRJ29110113
CA	Mobility First: New wheelchair lift and enclosure in Wasco CA; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
CA	MOFE LA Yard Emergency Power Backup System	\$1,000,000	PRJ29116005
CA	MOFE LA Yard Rehab- Epoxy Coating, Facilities Upgrade, Drainage Improvements	\$3,000,000	PRJ29116005
CA	MOFE LA West Construct new wheel truing building, Purchase and install new Simmons, Wheel Truing Machine plus facility infrastructure upgrade including 480v electrical ground power and yard air in north yard	\$5,000,000	PRJ29116005
CA	MOFE Goleta Layover Facility Improvements - Trainwash Geotech Stabilization	\$1,500,000	PRJ29116005
CA	LA Commissary - repair floors and install auxiliary generators	\$264,000	PRJ29116005
CA	Oakland Commissary - repair floors and install auxiliary generators	\$175,000	PRJ29116005
CA	Chico CA Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
CA	Pomona CA Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$65,000	PRJ29116013
CA	Salinas CA Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116013
CO	La Junta CO Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$125,000	PRJ29116013
CO	Lamar CO Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
CO	Trinidad CO Station to receive a new ADA compliant Shelter Station Building and 550', 8" ATR concrete platform.	\$1,250,000	PRJ29116013
CO	Granby CO Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$75,000	PRJ29116013
CO	Grand Junction CO Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116013
CO	Winter Park-Fraser CO Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$85,000	PRJ29116015
CO	Mobility First: New wheelchair lift and enclosure in Fort Morgan CO; New accessible parking stalls; New sidewalk w/ curb cut between parking and platform	\$60,000	PRJ29110113

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

STATE	Project Name	Estimate	PRJ Number
CO	Mobility First: Design for improved access from station and platform in Glenwood Springs CO, including ADA compliant path of travel from street, repairs to platform and new tactile edge, improved lighting on access path, and new signage	\$53,000	PRJ29110113
CO	Mobility First: New wheelchair lift in Granby CO	\$14,000	PRJ29110113
CO	Mobility First: New wheelchair lift in Grand Junction CO	\$14,000	PRJ29110113
CO	Mobility First: New wheelchair lift in La Junta CO	\$14,000	PRJ29110113
CO	Mobility First: Lamar CO includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
CO	Mobility First: Trinidad CO includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$14,000	PRJ29110113
CO	Mobility First: New wheelchair lift in Winter Park/Fraser CO	\$14,000	PRJ29110113
CT	Mobility First: New wheelchair lifts in Mystic CT	\$21,000	PRJ29110013
CT	Mobility First: New wheelchair lift and enclosure in Windsor CT; New pad for lift and sidewalk to platform; New sidewalk to public restrooms	\$27,000	PRJ29110013
CT	Mobility First: New wheelchair lift and enclosure in Windsor Locks CT; Paint markings for accessible parking stalls on existing paving	\$27,000	PRJ29110013
CT	Wireless Access points for Field Operations in Groton, Hamden, New Haven.	\$315,000	PRJ29110027
CT	Niantic River - Bridge Replacement	\$100,000,000	PRJ29116002
CT	Hartford CT Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116011
CT	Mystic CT Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116011
CT	Fixed Bridges: River Rd. Madison CT	\$2,000,000	PRJ29116018
CT	Fixed Bridges: Miamicock River Replacement	\$7,000,000	PRJ29116018
CT	Fixed Bridges: West Harbor, Stonington CT	\$5,000,000	PRJ29116018
CT	Fixed Bridges: East Harbor, Stonington CT	\$5,000,000	PRJ29116018
CT	Fixed Bridges: Thames River - paint fix	\$16,000,000	PRJ29116018
DC	Static Station Signage Program: general Signage/re-branding at Washington Union Station	\$240,000	PRJ29110080
DC	MOFE Ivy City S&I Fire Alarm Upgrade	\$400,000	PRJ29116004
DC	MOFE Ivy City Switchgear Upgrade	\$500,000	PRJ29116004
DC	MOFE Ivy City - Train Wash Rehab (Non-HSR)	\$600,000	PRJ29116004
DC	MOFE Ivy City - S&I Building-Rehab KIRK Key Interlocking System #7&8 Trks	\$1,000,000	PRJ29116004
DC	MOFE Ivy City - Replace Inspection Pit Platforms - Trk #23- Elec Loco Trk	\$2,000,000	PRJ29116004
DC	MOFE Ivy City-Roof Replacement	\$7,000,000	PRJ29116004
DC	Washington Commissary - install auxillary generator and improved power connections	\$140,000	PRJ29116004
DC	SUB 25A Washington, DC-Roof Replacement	\$100,000	PRJ29116010
DC	Washington Union Station High Level Platform Replacement	\$10,000,000	PRJ29116017
DE	Wireless Access points for Field Operations in Wilmington and Bear.	\$260,000	PRJ29110027
DE	Static Station Signage Program: platform kiosk in 1 Delaware station - NEC	\$11,000	PRJ29110080
DE	Static Station Signage Program: platform kiosk in 1 Delaware station - non-NEC	\$11,000	PRJ29110081
DE	Wilmington, DE Station Restoration	\$20,000,000	PRJ29116000
DE	Fixed Bridges: Orange St. Wilmington DE	\$5,000,000	PRJ29116019
FL	Non-NEC Wireless Access points for Field Operations in Jacksonville and Sanford.	\$210,000	PRJ29110026
FL	Construction of Hialeah Maintenance Facility	\$25,000,000	PRJ29110037
FL	Static Station Signage Program: platform kiosks in 3 Florida stations; general signage/re-branding at Orlando Station	\$58,000	PRJ29110081
FL	Mobility First: Okeechobee FL includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$14,000	PRJ29110113
FL	Mobility First: New wheelchair lift in Sanford FL (Auto Train)	\$11,000	PRJ29110113
FL	Mobility First: Tampa FL includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$2,000	PRJ29110113
FL	Mobility First: Winter Haven FL includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$2,000	PRJ29110113
FL	MOFE Hialeah - Roof Replacement	\$500,000	PRJ29116007
FL	MOFE Sanford - Upgrade Exterior Lighting	\$500,000	PRJ29116007
FL	MOFE Sanford - Coach Shop-480 Electrical Upgrade	\$500,000	PRJ29116007
FL	Sanford Expand and Upgrade Welfare Facility to include T&E, Mechanical and Engineering Employees	\$1,000,000	PRJ29116007
FL	HialeahTrackside utility upgrades, substation renewal & electrical upgrades plus facility infrastructure upgrade	\$8,008,304	PRJ29116007
FL	Miami Commissary - facility repairs, and install auxillary generator	\$125,000	PRJ29116007
FL	Okeechobee FL Station to receive a new ADA compliant Shelter Station Building and 550', 8" ATR concrete platform.	\$1,350,000	PRJ29116015
FL	Jacksonville FL Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116015
FL	Sanford (Auto Train) FL Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$150,000	PRJ29116015
FL	Winter Haven FL Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116015
FL	Tampa Platform ADA & Canopy Restoration	\$1,600,000	PRJ29116015
FL	Construction of Sanford FL Station	\$10,000,000	PRJ29116021
GA	Mobility First: New wheelchair lift and enclosure in Gainesville GA; Paint markings for accessible parking stalls on existing paving	\$30,000	PRJ29110113
GA	Mobility First: New wheelchair lifts and enclosures in Jesup GA; New pads for lifts and sidewalk to platform; Improvements to walkway to center platform; Improve access to new accessible parking stalls	\$278,000	PRJ29110113
GA	Mobility First: Savannah GA includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$3,000	PRJ29110113
GA	Savannah GA Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$125,000	PRJ29116015
IA	Static Station Signage Program: platform kiosk at one Iowa station	\$11,000	PRJ29110081
IA	Mobility First: New wheelchair lifts and enclosures in Burlington IA; Improvements to crossing to platform	\$51,600	PRJ29110113
IA	Mobility First: New wheelchair lifts and enclosures in Creston IA; New pads for lifts and sidewalk to platform; New sidewalk and curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$29,300	PRJ29110113
IA	Mobility First: New wheelchair lifts and enclosures in Fort Madison IA; Improvements to crossing to platform; New relocated curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$33,000	PRJ29110113

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

STATE	Project Name	Estimate	PRJ Number
IA	Mobility First: New wheelchair lifts and enclosures in Mt. Pleasant IA; New pads for lifts and sidewalk to platform; Improvements to crossing to platform; New sidewalk and curb cut from parking to platform; Relocate accessible parking stalls to adjacent to platform	\$125,500	PRJ29110113
IA	Mobility First: New wheelchair lifts and enclosures in Osceola IA; Improvements to crossing to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$90,700	PRJ29110113
IA	Mobility First: New wheelchair lift and enclosure in Ottumwa IA; Improvements to crossing to platform; New sidewalk and curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$61,200	PRJ29110113
ID	Mobility First: New wheelchair lift and enclosure in Sandpoint ID; New pad for lift and sidewalk to platform; Improve access to new accessible parking stalls	\$60,000	PRJ29110113
IL	Locomotive Communications and Camera Project	\$1,400,000	PRJ29110007
IL	Non-NEC Wireless Access points for Field Operations in Chicago and Brighton Park.	\$235,000	PRJ29110026
IL	Static Station Signage Program: platform kiosks at 15 Illinois stations	\$165,000	PRJ29110081
IL	Mobility First: Galesburg IL includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$2,000	PRJ29110113
IL	Mobility First: New wheelchair lift in Gilman IL	\$14,000	PRJ29110113
IL	Mobility First: Kankakee IL includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$2,000	PRJ29110113
IL	Mobility First: New wheelchair lifts and enclosures in La Grange IL	\$48,000	PRJ29110113
IL	Mobility First: Design for improved access to station and platforms including ADA compliant path of travel from street and parking, vertical circulation to platforms, repairs to platforms, improved lighting on access path, repainting accessible parking stalls, and new signage in Mattoon IL	\$611,000	PRJ29110113
IL	Mobility First: New wheelchair lifts and enclosures in Plano IL; New pads for lifts and sidewalk to platform; Improvements to crossing to platform; New sidewalk and curb cut from parking to platform; Improve access to new accessible parking stalls	\$161,000	PRJ29110113
IL	Mobility First: New wheelchair lift and enclosure in Rantoul IL; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; Improve access to new accessible parking stalls	\$55,000	PRJ29110113
IL	Mobility First: New wheelchair lifts and enclosures in Summit IL: Improvements to walkway to center platform	\$53,000	PRJ29110113
IL	MOFE Chicago - 12th St S&I Building: Add heavy duty doors (sides)	\$100,000	PRJ29116006
IL	MOFE Chicago - Restore steam system throughout yard for servicing and winter operations.	\$120,000	PRJ29116006
IL	MOFE Chicago - 12th St S&I Building: Upgrade Pit Drainage	\$200,000	PRJ29116006
IL	MOFE Chicago - 12th St S&I Building: Upgrade Heating System	\$300,000	PRJ29116006
IL	MOFE Chicago - 14th St Yd High Mast Lights Replacement	\$507,696	PRJ29116006
IL	MOFE Chicago Restore track 12/13/14, rebuild tracks, utility services (plant air, steam, water & electric, including 480) and heated platforms.	\$600,000	PRJ29116006
IL	MOFE Chicago - 15th St Mat. Ctl./Comm - Roof Replacement	\$675,000	PRJ29116006
IL	MOFE Chicago - 14th St Car Shop: Roof Replacement	\$900,000	PRJ29116006
IL	MOFE Chicago - Comprehensive Yard Air Improvements 14th and 16th Streets	\$1,000,000	PRJ29116006
IL	MOFE Chicago - 16th Loco. Shop: Roof Replacement	\$1,000,000	PRJ29116006
IL	MOFE Chicago - 12th St S&I Building: Upgrade Toilet Dump System, minimize freezing	\$1,500,000	PRJ29116006
IL	MOFE - Electrical Distribution Upgrade Car and Loco Dept Chi Yard	\$1,650,000	PRJ29116006
IL	MOFE Chicago - 14th St Yd Car Wash Replacement	\$6,000,000	PRJ29116006
IL	MOFE Chicago Central S & I Expand the S&I building to cover tracks 5 & 6 including upgrade to existing S&I sanitary dump system, lighting, and steam.	\$20,000,000	PRJ29116006
IL	Chicago Commissary - repair floors and install auxilliary generator	\$411,111	PRJ29116006
IL	Galesburg IL Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$75,000	PRJ29116014
IL	Gilman IL Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$65,000	PRJ29116014
IL	Kankakee IL Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$50,000	PRJ29116014
IL	Chicago Yard Switch Heater Rehabilitation Control	\$10,000,000	PRJ29116028
IL	Chicago, IL - Replacement Dispatch System	\$3,000,000	PRJ29116029
IN	Non-NEC Wireless Access points for Field Operations Beech Grove.	\$130,000	PRJ29110026
IN	Static Station Signage Program: platform kiosks at 4 Indiana stations	\$44,000	PRJ29110081
IN	Mobility First: New wheelchair lift and enclosure in Connerville IN; New pad for lift and sidewalk to platform; New sidewalk and curb cut from street and parking to platform; Improve access to new accessible parking stalls	\$43,700	PRJ29110113
IN	Mobility First: New wheelchair lift and enclosure in Dyer, IN; New pad for lift and sidewalk to platform	\$34,100	PRJ29110113
IN	Mobility First: New wheelchair lift and enclosure in Lafayette IN	\$30,000	PRJ29110113
IN	Mobility First: New wheelchair lift and enclosure in Michigan City IN; New sidewalk and curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$31,000	PRJ29110113
IN	Mobility First: Rensselaer IN includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
IN	Mobility First: South Bend IN includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$3,000	PRJ29110113
IN	BEERoof and HVAC replacement on administration building	\$150,000	PRJ29116006
IN	BEECentral fume extractor Forge / CS II	\$250,000	PRJ29116006
IN	Rensselaer IN Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116014
IN	South Bend IN Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116014
KS	Static Station Signage Program: platform kiosks at 4 Kansas stations; general signage/re-branding at Lawrence Station	\$54,000	PRJ29110081
KS	Mobility First: New wheelchair lifts and enclosures in Dodge City KS; New pads for lifts and sidewalk to center platform; Improvements to crossing to platform	\$79,200	PRJ29110113
KS	Mobility First: New wheelchair lift and enclosure in Garden City KS; New pad for lift; Improvements to metal fence	\$27,000	PRJ29110113
KS	Mobility First: New wheelchair lift in Hutchinson KS	\$14,000	PRJ29110113
KS	Mobility First: Lawrence KS includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
KS	Mobility First: New wheelchair lifts and enclosures in Newton KS; New pads for lifts and sidewalk to station platform; Improvements to crossing to platform; Paint markings for accessible parking stalls on existing paving	\$70,000	PRJ29110113
KS	Mobility First: New wheelchair lift in Topeka KS	\$14,000	PRJ29110113
KS	Lawrence KS Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$600,000	PRJ29116014



**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

STATE	Project Name	Estimate	PRJ Number
KS	Hutchinson KS Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$75,000	PRJ29116014
KS	Topeka KS Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116014
KY	Mobility First: New wheelchair lift and enclosure in Ashland KY	\$30,000	PRJ29110113
KY	Mobility First: New wheelchair lift and enclosure in Maysville KY; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$98,000	PRJ29110113
KY	Mobility First: New wheelchair lift and enclosure in South Shore-South Portsmouth KY; New pad for lift and sidewalk to platform with retaining wall; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$98,000	PRJ29110113
LA	Static Station Signage Program: platform kiosks at 3 Louisiana stations	\$33,000	PRJ29110081
LA	Mobility First: Hammond LA includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
LA	Mobility First: New wheelchair lift and enclosure in Lafayette LA; New pad for lift and sidewalk to platform; New curb cut from parking to station sidewalk	\$31,000	PRJ29110113
LA	Mobility First: New wheelchair lift in Lake Charles LA	\$14,000	PRJ29110113
LA	New Orleans Commissary - repair floors and auxiliary generators	\$195,000	PRJ29116006
LA	MOFE New Orleans - Wayside Power Upgrades	\$750,000	PRJ29116006
LA	MOFE New Orleans - Wayside Power Upgrades Place holder because of dup	\$750,000	PRJ29116007
LA	Hammond LA Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116014
LA	Lake Charles LA Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$50,000	PRJ29116015
MA	Wireless Access points for Field Operations in Boston (2) and Springfield.	\$315,696	PRJ29110027
MA	Mobility First: Amherst MA	\$9,000	PRJ29110113
MA	SHS Repair or repave defective roadways, walkways, and parking lot surfaces at facility.	\$129,500	PRJ29116003
MA	SHS Haz-mat container storage building	\$250,000	PRJ29116003
MA	SHS Car Wash	\$850,000	PRJ29116003
MA	SHS Shop overhead doors and controls	\$1,500,000	PRJ29116003
MA	SHS-HSRDrop Table Building	\$18,000,000	PRJ29116003
MA	South Station Commissary - facility improvements to bathrooms, electrical repair and install auxiliary generator	\$509,500	PRJ29116003
MA	Amherst MA Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116011
MD	Passenger Information Display System (PIDS) for stations	\$2,500,000	PRJ29110002
MD	Mobility First: New wheelchair lift and enclosure in Aberdeen MD	\$27,000	PRJ29110013
MD	Mobility First: New wheelchair lift and enclosure in Cumberland MD; New ramp to top of crossing and inside track boarding area; New sidewalk and curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$34,100	PRJ29110013
MD	MOFW Odenton-Roof Replacement	\$350,000	PRJ29116010
MD	MOFW Perryville-Roof Replacement	\$350,000	PRJ29116010
MD	MOFW Quad Avenue MofW Base Roof Replacement	\$400,000	PRJ29116010
MD	MOFW Perryville Sanitary Sewer Line	\$1,000,000	PRJ29116010
MI	Non-NEC Wireless Access points for Field Operations in Michigan City, Niles.	\$210,000	PRJ29110026
MI	Mobility First: New wheelchair lift and enclosure in Albion MI; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
MI	Mobility First: New wheelchair lift and enclosure in Birmingham MI; Improvements to accessible path of travel to far side tracks; Paint markings for accessible parking stalls on existing paving	\$55,000	PRJ29110113
MI	Mobility First: New wheelchair lift and enclosures in Dowagiac MI; New pad for lift and sidewalk to platform; Improvements to crossing to platform	\$35,000	PRJ29110113
MI	Mobility First: New wheelchair lift and enclosures in Durand MI; New pad for lift and sidewalk to platform	\$29,000	PRJ29110113
MI	Mobility First: New wheelchair lift and enclosure in Lapeer MI; New pad for lift and sidewalk to platform; Paint markings for accessible parking stalls on existing paving	\$31,000	PRJ29110113
MI	Mobility First: New wheelchair lifts and enclosures in Royal Oak MI; New pads for lifts and sidewalk to platform; Improvements to crossing to platform	\$60,000	PRJ29110113
MI	Mobility First: New wheelchair lift and enclosure in St. Joseph MI; New pad for lift and sidewalk to platform; New curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$35,000	PRJ29110113
MI	MOFE Pontiac, MI - New Roof and insulation for Mechanical building	\$25,000	PRJ29116006
MI	MOFE Port Huron, MI - Lighting upgrades	\$10,000	PRJ29116006
MI	MOFE Battle Creek, MI - New Crew base facility	\$150,000	PRJ29116006
MN	Mobility First: New wheelchair lift and enclosure in Detroit Lakes MN; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$91,000	PRJ29110113
MN	Mobility First: New wheelchair lift and enclosure in Red Wing MN; Improvements to walkway and crossing to outbound platform; New curb cut from parking to station sidewalk	\$45,000	PRJ29110113
MN	Mobility First: New wheelchair lift and enclosure in St. Cloud MN; New pad for lift and sidewalk to platform; Improvements to walkway and crossing to outbound platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$113,000	PRJ29110113
MN	Mobility First: New wheelchair lift and enclosures in St. Paul/Minneapolis MN	\$24,000	PRJ29110113
MN	Mobility First: New wheelchair lift and enclosure in Staples MN; New pad for lift and sidewalk to platform; Improvements to walkway and crossing to outbound platform; New accessible parking stalls	\$98,000	PRJ29110113
MN	Mobility First: New wheelchair lift and enclosure in Winona MN; New pad for lift and sidewalk to platform; Improvements to walkway and crossing to center platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$81,000	PRJ29110113
MN	MOFE St Paul, MN - General site work for Power and access roads	\$85,000	PRJ29116006
MN	St. Paul-Minneapolis MN Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$125,000	PRJ29116014
MO	Static Station Signage Program: platform kiosks at 8 Missouri stations	\$88,000	PRJ29110081
MO	Mobility First: New wheelchair lift and enclosure in La Plata MO; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$90,000	PRJ29110113
MO	Mobility First: New wheelchair lift and enclosure in Poplar Bluff MO; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$65,000	PRJ29110113
MO	MOFE St Louis, MO - Crew Base Upgrades	\$150,000	PRJ29116006
MO	MOFE Kansas City, MO - HVAC Repairs	\$10,000	PRJ29116006
MO	MOFE Kansas City, MO - Lighting Upgrades	\$25,000	PRJ29116006
MO	MOFE Kansas City, MO - Repave roadways/paths	\$30,000	PRJ29116006

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

STATE	Project Name	Estimate	PRJ Number
MO	MOFE West Quincy, MO - Add Drainage and Service road	\$67,500	PRJ29116006
MO	MOFE West Quincy, MO - Upgrade existing Crew Base Office	\$12,500	PRJ29116006
MS	Mobility First: New wheelchair lift and enclosure in Greenwood MS; New pad for lift and sidewalk to platform; New curb cut from parking to platform	\$31,000	PRJ29110113
MS	Mobility First: New wheelchair lift and enclosure in Jackson MS	\$30,000	PRJ29110113
MT	Mobility First: Browning MT (Seasonal) includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
MT	Mobility First: Cut Bank MT includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
MT	Mobility First: New wheelchair lift and enclosure in East Glacier Park MT (Seasonal); New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$93,000	PRJ29110113
MT	Mobility First: New wheelchair lift and enclosure in Glasgow MT; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$35,000	PRJ29110113
MT	Mobility First: New wheelchair lift and enclosure in Havre MT; Improvements to sidewalk from station to platform	\$35,000	PRJ29110113
MT	Mobility First: Libby MT includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
MT	Mobility First: New wheelchair lift and enclosure in Malta MT; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$93,000	PRJ29110113
MT	Mobility First: New wheelchair lift in Shelby MT	\$14,000	PRJ29110113
MT	Mobility First: New wheelchair lift and enclosure in West Glacier MT; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$93,000	PRJ29110113
MT	Mobility First: Whitefish MT includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
MT	Mobility First: New wheelchair lift and enclosure in Wolf Point MT; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$93,000	PRJ29110113
MT	Browning MT Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
MT	Cut Bank MT Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
MT	Libby MT Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
MT	Whitefish MT Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
MT	Shelby MT Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116013
NAT	Employee Information Management Program - Phase	\$9,400,000	PRJ29110003
NAT	Re-launch Amtrak.com and supporting systems	\$3,400,000	PRJ29110005
NAT	Procurement Sourcing and Contracts System (ARIBA)	\$1,050,000	PRJ29110014
NAT	Enterprise Data Access and Availability	\$10,000,000	PRJ29110029
NAT	Return to Service Long Distance Cars	\$19,330,000	PRJ29110043
NAT	Return to Service Amfleets Cars	\$58,500,000	PRJ29110052
NAT	Return to Service Deisel Locomotives	\$13,000,000	PRJ29110074
NAT	Amtrak Office of Inspector General	\$5,000,000	PRJ29110075
NAT	Program Administration - Non Security & Life Safety	\$35,781,775	PRJ29110076
NAT	Static Station Signage Program: contingency funds for general signage and re-branding	\$404,000	PRJ29110081
NAT	Mobility First: General expenses and contingencies	\$1,492,900	PRJ29110113
NC	Non-NEC Wireless Access points for Field Operations at Raleigh.	\$105,000	PRJ29110026
NC	Mobility First: Charlotte NC includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$2,000	PRJ29110113
NC	MOFE Charlotte Upgrade 480 - Charlotte	\$50,000	PRJ29116007
NC	Charlotte NC Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$125,000	PRJ29116015
ND	Mobility First: New wheelchair lift and enclosure in ND; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$93,000	PRJ29110113
ND	Mobility First: New wheelchair lift and enclosure in Fargo ND; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$98,000	PRJ29110113
ND	Mobility First: New wheelchair lift in Grand Forks ND	\$14,000	PRJ29110113
ND	Mobility First: New wheelchair lift and enclosure in Minot ND; Improvements to curb cut and accessible parking stalls	\$50,000	PRJ29110113
ND	Mobility First: New wheelchair lift and enclosure in Rugby ND; New sidewalk and curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$30,000	PRJ29110113
ND	Mobility First: Stanley ND includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
ND	Mobility First: New wheelchair lift and enclosure in Williston ND; New sidewalk and curb cut from parking to station sidewalk; New accessible parking stalls	\$60,000	PRJ29110113
ND	Stanley ND Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
ND	Grand Forks ND Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116013
NE	Mobility First: New wheelchair lift and enclosure in Hastings NE	\$30,000	PRJ29110113
NE	Mobility First: New wheelchair lift and enclosure in Holdrege NE; Improvements to walkway to center platform; New curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$35,000	PRJ29110113
NE	Mobility First: New wheelchair lift and enclosure in Lincoln NE; New pad for lift and sidewalk to platform; Improvements to walkway to center platform	\$67,000	PRJ29110113
NE	Mobility First: New wheelchair lift and enclosure in McCook NE; Paint markings for accessible parking stalls on existing paving	\$30,000	PRJ29110113
NE	Mobility First: New wheelchair lift and enclosure in Omaha NE; New curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$30,000	PRJ29110113
NE	MOFE Omaha, NE - Pave roadways for train servicing between W/C's	\$38,889	PRJ29116006
NE	MOFE Omaha, NE - Lighting upgrades	\$25,000	PRJ29116006
NE	MOFE Omaha, NE - New Crew Base Facility needed	\$150,000	PRJ29116006
NEC	Mobility First: Bridgeplates NEC	\$400,000	PRJ29110013
NEC	Mid-Atlantic Div North - Substation Transformer/RTU	\$10,000,000	PRJ29116025
NEC	Mid-Atlantic Div South - Substation Transformer/RTU	\$10,000,000	PRJ29116026
NEC	New York Division - Substation Transformer Replacement	\$5,000,000	PRJ29116027
NEC	New England Division - Concrete Tie Replacement	\$50,000,000	PRJ29116030

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

<b>STATE</b>	<b>Project Name</b>	<b>Estimate</b>	<b>PRJ Number</b>
NEC	New England Division - Right of Way Improvements	\$8,700,000	PRJ29116032
NEC	Mid-Atlantic Division - Right of way improvements	\$9,900,000	PRJ29116033
NEC	New York Division - Right of way Improvements	\$6,400,000	PRJ29116034
NH	Mobility First: New wheelchair lift and enclosure in Claremont NH; New pad for lift and sidewalk to platform; Improvements to walkway to center platform; New curb cut from parking to platform; New accessible parking stalls	\$98,000	PRJ29110113
NJ	Wireless Access points for Field Operations in Newark, Princeton Jct, Adams, and Trenton.	\$408,000	PRJ29110027
NM	Non-NEC Wireless Access points for Field Operations at Albuquerque.	\$105,000	PRJ29110026
NM	Upgrades Albuquerque, NM	\$25,000	PRJ29110026
NM	Static Station Signage Program: platform kiosks at 2 New Mexico stations	\$22,000	PRJ29110081
NM	Mobility First: New wheelchair lift and enclosure in Albuquerque NM	\$30,000	PRJ29110113
NM	Mobility First: New wheelchair lift and enclosure in Gallup NM; New pad for lift and sidewalk to platform	\$65,000	PRJ29110113
NM	Mobility First: New wheelchair lift and enclosure in Lamy NM; New pad for lift and sidewalk to platform; Improvements to walkway to center platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$61,000	PRJ29110113
NM	Mobility First: New wheelchair lift and enclosure in Las Vegas NM; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform	\$65,000	PRJ29110113
NM	Mobility First: New wheelchair lift and enclosure in Raton NM; New pad for lift and sidewalk to platform; Improvements to walkway to center platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$89,500	PRJ29110113
Non-NEC	MOFE Water Cabinet program field locations	\$280,000	PRJ29116006
Non-NEC	Fall Protection Diesel shops-Off Corridor	\$2,000,000	PRJ29116009
Non-NEC	Central Division - Wood Tie Replacement	\$10,000,000	PRJ29116031
NV	Mobility First: Design for improved access to station and platforms including ADA compliant path of travel from street and parking, vertical circulation to platforms, repairs to platforms, improved lighting on access path, repainting accessible parking stalls, and new signage in Elko NV	\$928,000	PRJ29110113
NV	Mobility First: Winnemucca NV includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$14,000	PRJ29110113
NV	Winnemucca NV Station to receive a new ADA compliant Shelter Station Building and 550', 8" ATR concrete platform.	\$1,250,000	PRJ29116013
NY	Mobility First: Penn Station NY includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$2,000	PRJ29110013
NY	Wireless Access points for Field Operations in New York City Area (2)	\$260,000	PRJ29110027
NY	Static Station Signage Program: platform kiosk at one New York station	\$11,000	PRJ29110080
NY	Mobility First: New wheelchair lift and enclosure in Amsterdam NY; Improvements to walkway to center platform	\$31,000	PRJ29110113
NY	Mobility First: Buffalo-Depew NY includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$3,000	PRJ29110113
NY	Mobility First: Fort Edwards-Glens Falls NY includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
NY	Mobility First: New wheelchair lift and enclosure in Plattsburgh NY; New pad for lift and sidewalk to platform; Paint markings for accessible parking stalls on existing paving	\$30,000	PRJ29110113
NY	Mobility First: New wheelchair lift and enclosure in Port Henry NY; New pad for lift and sidewalk to platform; Improvements to walkway to center platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$66,600	PRJ29110113
NY	Mobility First: New wheelchair lift in Port Kent NY (Seasonal)	\$14,000	PRJ29110113
NY	Mobility First: Rouses Point NY includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
NY	Mobility First: New wheelchair lift and enclosure in Ticonderoga NY; New pad for lift and sidewalk to platform; Paint markings for accessible parking stalls on existing paving	\$29,000	PRJ29110113
NY	Mobility First: New wheelchair lift and enclosure in Westport NY; Paint markings for accessible parking stalls on existing paving	\$26,000	PRJ29110113
NY	Mobility First: New wheelchair lift and enclosure in Whitehall NY; Paint markings for accessible parking stalls on existing paving	\$26,000	PRJ29110113
NY	SSYD Yard lighting	\$20,000	PRJ29116008
NY	SSYD Rehab New Roof for engine house and Car shop	\$100,000	PRJ29116008
NY	SSYD Platform Improvement Program (Total Estimated Project Cost = \$60M)	\$8,000,000	PRJ29116008
NY	Sunnyside Yard Commissary facility improvements to structural defects, fencing and flooring restoration	\$176,000	PRJ29116008
NY	NY Penn Commissary - auxiliary generators and facility maintenance	\$110,000	PRJ29116008
NY	RSR Repave main parking lot	\$150,000	PRJ29116008
NY	Fort Edwards NY Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116016
NY	Rouses Point NY Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$600,000	PRJ29116016
NY	Buffalo Depew NY Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$375,000	PRJ29116016
NY	Port Kent NY Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116016
NY	Rhinecliff NY Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$125,000	PRJ29116016
NY	Penn STA NY-ADA Restroom Rehab	\$1,000,000	PRJ29116016
NY	Fixed Bridges: Pelham Bay NY	\$10,000,000	PRJ29116020
NY	Fixed Bridges: Bronxkill-Hellgate - paint truss	\$5,000,000	PRJ29116020
NY	Penn Station Chiller and Abatement Back up Power	\$30,000,000	PRJ29116022
OH	Mobility First: Alliance OH includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$14,000	PRJ29110113
OH	Mobility First: New wheelchair lift in Bryan OH	\$14,000	PRJ29110113
OH	Mobility First: New wheelchair lift and enclosure in Elyria OH; New pad for lift and sidewalk to platform; Improvements to walkway to center platform; New retaining wall, ramp, sidewalk and curb cut from parking to platform; New accessible parking stalls	\$163,000	PRJ29110113
OH	Alliance OH Station to receive a new ADA compliant Shelter Station Building and 550', 8" ATR concrete platform.	\$1,500,000	PRJ29116014
OH	Bryant OH Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116014
OK	Mobility First: New wheelchair lift and enclosure in Ardmore OK; Modifications to metal fence to accommodate enclosure	\$28,000	PRJ29110113
OK	Mobility First: New wheelchair lift and enclosure in Norman OK; Modifications to metal fence to accommodate enclosure	\$29,300	PRJ29110113

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

STATE	Project Name	Estimate	PRJ Number
OK	Mobility First: New wheelchair lift and enclosure in Oklahoma City OK; New curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$30,000	PRJ29110113
OK	Mobility First: New wheelchair lift and enclosure in Pauls Valley OK; Modifications to metal fence to accommodate enclosure	\$28,000	PRJ29110113
OK	Mobility First: New wheelchair lift and enclosure in Purcell OK; Modifications to metal fence to accommodate enclosure	\$29,000	PRJ29110113
OR	Non-NEC Wireless Access points for Field Operations at Portland.	\$105,000	PRJ29110026
OR	Mobility First: New ADA compliant 8" ATR concrete platform with mini-high in Chemult OR; New ramp and sidewalk w/ curb cut between parking and platform; New accessible parking stalls; (New station structure and access to parking and ramp by City)	\$244,000	PRJ29110113
OR	Mobility First: New wheelchair lift and enclosure in Klamath Falls OR; Improvements to walkway to center platform	\$33,000	PRJ29110113
PA	Non-NEC Wireless Access points for Field Operations at Paoli, Downingtown, Parkesburg, Lancaster and Harrisburg.	\$502,000	PRJ29110026
PA	NEC Wireless Access points for Field Operations in Philadelphia (2).	\$160,000	PRJ29110027
PA	Static Station Signage Program: general signage/re-branding at Philadelphia 30th Street Station	\$240,000	PRJ29110080
PA	Mobility First: Design for improved access to station and platforms including ADA compliant path of travel from street and parking, vertical circulation to platforms, repairs to platforms, improved lighting on access path, accessible parking stalls and new signage in Coatesville PA	\$340,000	PRJ29110113
PA	Mobility First: Connellsville PA includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$14,000	PRJ29110113
PA	Mobility First: Design for improved access to station and platforms including ADA compliant path of travel from street and parking, vertical circulation to platforms, repairs to platforms, improved lighting on access path and new signage in Downingtown PA	\$636,000	PRJ29110113
PA	Mobility First: New wheelchair lifts and enclosures in Greensburg PA	\$48,000	PRJ29110113
PA	Mobility First: New wheelchair lift and enclosure in Huntingdon PA; New pad for lift and sidewalk to platform; Improvements to walkway to center platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$68,400	PRJ29110113
PA	Mobility First: New wheelchair lift and enclosure in Lewistown PA; New pad for lift and sidewalk to platform; Repairs to sidewalk to platform	\$33,000	PRJ29110113
PA	Mobility First: New wheelchair lift and enclosure in Middletown PA; New pad for lift and sidewalk to platform; Improvements to walkway to center platform	\$35,000	PRJ29110113
PA	Mobility First: Design for improved access to station and platforms including ADA compliant path of travel from street and parking, vertical circulation to platforms, repairs to platforms, improved lighting on access path and new signage in Mount Joy PA	\$494,000	PRJ29110113
PA	Mobility First: Design for improved access to station and platforms including ADA compliant path of travel from street and parking, vertical circulation to platforms, repairs to platforms, improved lighting on access path and new signage in Parkesburg PA	\$509,000	PRJ29110113
PA	Mobility First: Pittsburgh PA includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$2,000	PRJ29110113
PA	MOFE Penn Coach Yard Water and Compressed Air U.G. Pipe Replacement	\$1,000,000	PRJ29116004
PA	STA 30th Street, 2nd Floor-Roof Replacement	\$1,350,000	PRJ29116012
PA	Connellsville PA Station to receive a new ADA compliant Shelter Station Building and 550', 8" ATR concrete platform.	\$1,250,000	PRJ29116012
PA	Pittsburgh PA Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116012
PA	Fixed Bridges: Union St. Middletown PA	\$5,000,000	PRJ29116019
PA	Fixed Bridges: Wood St. Middletown PA	\$5,000,000	PRJ29116019
PA	Lamokin - Frequency Converter Replacement	\$60,000,000	PRJ29116023
PA	Transmission Line Replacement	\$30,000,000	PRJ29116024
PA	Harrisburg PA Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116012
RI	Mobility First: Providence RI includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$1,000	PRJ29110013
RI	Wireless Access points for Field Operations in Providence	\$105,000	PRJ29110027
RI	STA Providence-Overbuild Catenary Protection	\$350,000	PRJ29116003
RI	Providence RI (MBTA platform) Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116011
SC	Static Station Signage Program: platform kiosks at two South Carolina stations	\$22,000	PRJ29110081
SC	Mobility First: New wheelchair lift and enclosure in Camden SC; New pad for lift and sidewalk to platform; Improvements to walkway to center platform; New sidewalk and curb cut from parking to platform; Repaving and painting accessible parking stalls	\$79,200	PRJ29110113
SC	Mobility First: New wheelchair lift and enclosure in Denmark SC; New sidewalk and curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$34,100	PRJ29110113
SC	Mobility First: New wheelchair lift and enclosure in Dillon SC	\$30,000	PRJ29110113
SC	Mobility First: New wheelchair lift and enclosure in Kingstree SC; New pad for lift and sidewalk to platform; New curb cut from parking to platform; Paint markings for accessible parking stalls on existing paving	\$66,600	PRJ29110113
SC	Mobility First: New wheelchair lift and enclosure in Yemassee SC; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$55,000	PRJ29110113
TN	Static Station Signage Program: platform kiosk at 1 Tennessee station	\$11,000	PRJ29110081
TN	Mobility First: New wheelchair lift and enclosure in Memphis TN	\$30,000	PRJ29110113
TX	Non-NEC Wireless Access points for Field Operations at Fort Worth, EL Paso	\$105,000	PRJ29110026
TX	Static Station Signage Program: platform kiosks at 4 Texas stations; general signage/re-branding at Austin and Longview Stations	\$94,000	PRJ29110081
TX	Mobility First: Alpine TX	\$9,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Austin TX; Improvements to walkway over out-of-service tracks; New curb cut from parking to platform; Repainting accessible parking stalls	\$33,000	PRJ29110113
TX	Mobility First: Beaumont TX	\$14,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Cleburne TX; New pad for lift and sidewalk to platform; Repair to brick platform and station sidewalk	\$33,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Del Rio TX	\$30,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in El Paso TX	\$30,000	PRJ29110113
TX	Mobility First: New wheelchair lifts and enclosures in Fort Worth TX	\$48,000	PRJ29110113

**Amtrak**  
**American Recovery and Reinvestment Act**  
**Non Security and Life Safety Projects**

STATE	Project Name	Estimate	PRJ Number
TX	Mobility First: New wheelchair lift and enclosure in Gainesville TX; Modifications to metal fence to accommodate enclosure	\$30,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Houston TX; Improvements to walkway to center platform	\$33,000	PRJ29110113
TX	Mobility First: New wheelchair lifts in Longview TX	\$14,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Marshall TX; Repairs to existing lift at stairs	\$57,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in McGregor TX; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$93,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Mineola TX	\$30,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in San Antonio TX; Repairs to sidewalk from parking to platform	\$30,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in San Marcos TX; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Taylor TX; New pad for lift and sidewalk to platform; New sidewalk from parking to platform	\$65,000	PRJ29110113
TX	Mobility First: New wheelchair lift and enclosure in Temple TX; Improvements to sidewalk from station to platform	\$37,000	PRJ29110113
TX	Alpine TX Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116013
TX	Beaumont TX Station to receive a new ADA compliant Shelter Station Building and 550', 8" ATR concrete platform.	\$1,250,000	PRJ29116013
TX	Longview TX Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116013
UT	Mobility First: New wheelchair lift and enclosure in Green River UT; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform; New accessible parking stalls	\$57,000	PRJ29110113
UT	Mobility First: New wheelchair lift and enclosure in Helper UT; New pad for lift and sidewalk to platform; New ramp, sidewalk and curb cut from parking to platform; Repaint accessible parking stalls	\$138,000	PRJ29110113
UT	Mobility First: New wheelchair lift and enclosure in Provo UT	\$30,000	PRJ29110113
VA	Non-NEC Wireless Access points for Field Operations at Richmond, Newport News and Williamsburg.	\$300,000	PRJ29110026
VA	Static Station Signage Program: platform kiosks at 7 Virginia stations; general signage/re-branding at Lorton Station	\$152,000	PRJ29110081
VA	Mobility First: New wheelchair lift and enclosure in Ashland VA; New pad for lift and sidewalk to platform; Improvements to walkway to outbound platform; New sidewalk and curb cut from parking to platform; Repaint accessible parking stalls	\$48,000	PRJ29110113
VA	Mobility First: New wheelchair lift and enclosure in Clifton Forge VA; New pad for lift and sidewalk to platform; Improvements to walkway to outbound platform; Repaint accessible parking stalls	\$71,000	PRJ29110113
VA	Mobility First: New wheelchair lift and enclosure in Culpeper VA; New pad for lift and sidewalk to platform; Improvements to track crossing	\$34,100	PRJ29110113
VA	Mobility First: New wheelchair lift and enclosure in Lorton VA (Auto Train)	\$27,000	PRJ29110113
VA	Mobility First: New wheelchair lift in Staunton VA	\$14,000	PRJ29110113
VA	Staunton VA Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$85,000	PRJ29116012
VT	Static Station Signage Program: platform kiosks at 2 Vermont stations; general signage/re-branding at Rutland Station	\$32,000	PRJ29110081
VT	Mobility First: New wheelchair lift and enclosure in Fair Haven VT; New pad for lift and sidewalk to platform with retaining wall; New sidewalk and curb cut from parking to platform and street; Repave and paint accessible parking stalls	\$113,000	PRJ29110113
VT	Mobility First: New wheelchair lift and enclosure in Windsor VT; New pad for lift and sidewalk to platform; New curb cut from parking to platform	\$31,000	PRJ29110113
WA	Non-NEC Wireless Access points for Field Operations in Seattle.	\$105,000	PRJ29110026
WA	Mobility First: New wheelchair lift and enclosure in Bingen-White Salmon WA; New pad for lift and sidewalk to platform with retaining wall; New sidewalk and curb cut from parking to station sidewalk; Repaint accessible parking stalls	\$100,000	PRJ29110113
WA	Mobility First: New wheelchair lift and enclosure in Ephrata WA; Improvements to sidewalk from parking; Repave and paint accessible parking stalls	\$32,000	PRJ29110113
WA	Mobility First: New wheelchair lift and enclosure in Pasco WA; New pad for lift and sidewalk to platform	\$30,000	PRJ29110113
WA	Mobility First: New wheelchair lift and enclosure in Spokane WA	\$30,000	PRJ29110113
WA	Mobility First: New wheelchair lift and enclosure in Vancouver WA; Improve crossing to center platform	\$53,300	PRJ29110113
WA	Mobility First: New wheelchair lift and enclosure in Wishram WA; New pad for lift and sidewalk to platform; paint markings for accessible parking stalls on existing paving	\$65,000	PRJ29110113
WA	Seattle King Street Coach Yard, Phase 1 & 2	\$35,000,000	PRJ29116001
WA	Seattle Commissary Total	\$225,000	PRJ29116005
WI	Static Station Signage Program: platform kiosk at 1 Wisconsin station	\$11,000	PRJ29110081
WI	Mobility First: New wheelchair lift and enclosure in Columbus WI; New pad for lift and sidewalk to platform; New sidewalk and curb cut from parking to platform	\$99,100	PRJ29110113
WI	Mobility First: New wheelchair lift and enclosure in LaCrosse WI; New pad for lift and sidewalk to platform	\$31,000	PRJ29110113
WI	Mobility First: New wheelchair lift and enclosure in Portage WI; New pad for lift	\$31,000	PRJ29110113
WI	Mobility First: Tomah WI includes agreements, host railroad negotiations, conceptual and final design, and financial and program management	\$9,000	PRJ29110113
WI	Mobility First: New wheelchair lift and enclosure in Wisconsin Dells WI; New pad for lift and sidewalk to platform	\$34,100	PRJ29110113
WI	Tomah WI Stations to receive a new ADA compliant, 550', 8" ATR concrete platform.	\$500,000	PRJ29116014
WV	Static Station Signage Program: platform kiosk at 6 West Virginia stations	\$66,000	PRJ29110081
WV	Mobility First: Design for improved access from historic station platform to outbound platform including ADA compliant access from tunnel, repairs to platform and new tactile edge, improved lighting on access path, and new signage in Harpers Ferry WV	\$615,000	PRJ29110113
WV	Mobility First: New wheelchair lift in Hinton WV	\$14,000	PRJ29110113
WV	Mobility First: New wheelchair lift and enclosure in Montgomery WV	\$30,000	PRJ29110113
WV	Mobility First: New wheelchair lift in White Sulphur Springs WV	\$14,000	PRJ29110113
WV	Hinton WV Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$125,000	PRJ29116012
WV	White Sulphur Springs WV Station to receive a new ADA compliant tactile edge on existing concrete platforms	\$100,000	PRJ29116012

**\$846,037,880**

## Glossary of Terms and Projects - Non-security and life safety

**Note on Glossary:** This glossary is meant as a cross-reference for the project names and certain key terms listed in the spreadsheets detailing Amtrak's stimulus projects. Because of length, not all projects are listed; many station projects are not listed; instead, those elements that need explanation but are common to multiple projects are detailed below.

**Accessible parking stalls:** Parking spaces for mobility impaired customers. These are typically slightly wider than conventional parking spots, and often include a yellow striped area next to the space to allow transfer to a wheelchair.

**ADA compliant curb cut:** Curb cuts are small indentations in curbs that combine with a gently sloped concrete walkway to allow easier access for mobility-impaired passengers.

**ADA compliant tactile edge:** To protect against slippage and provide a warning for the visually impaired, Amtrak is installing "tactile edges" on its station platforms. These consist of rubber pads set into the concrete so that they are flush with the platform; the top of the pad is dotted with small hemispherical knobs that provide a grip for shoes in wet weather and also serve to provide a physical marker of the platform edge.

**Amtrak OIG:** To ensure that Amtrak is complying with the transparency and ethics guidelines for the use of stimulus money, the independent Office of the Inspector General will fund 8 FTEs to ensure that the company has established the proper policies, procedures and internal controls to promote optimal use of the funds and ensure that all compliance, reporting and accounting requirements are observed.

**BEE Roof and HVAC replacement on administration building:** This project will provide for the replacement of the roof and roof mounted heating and air conditioning system on administration building at Beech Grove shops.

**Chicago Commissary total:** Access to the building and material handling spaces will be significantly improved. These improvements will include the repair and replacement of loading dock plates and dock doors, the replacement of swing doors, and the repair and resurfacing of warehouse floors. Storage areas will be improved with the addition of warehouse racking; the floor scrubber will be replaced and an auxiliary generator will be installed. Office spaces and employee welfare spaces will be remodeled, and the entire facility will be painted.

**Chicago Yard Switch heater rehabilitation control:** Install 85 electrically powered switch machines that will allow crews on approaching trains to activate the switches remotely; currently, trains have to stop so that crew members can throw switches by hand. This program includes the addition of electrical switch heaters, which will keep snow and ice from clogging switches in winter.

## Glossary of Terms and Projects - Non-security and life safety

**Chicago, IL – replacement dispatch system:** Replace the system Amtrak uses to control and direct traffic in Chicago with a modern PC-based system. The existing system is obsolete and is no longer supported by the manufacturer.

**Construction of Hialeah Maintenance facility :** This project will provide a covered and partially enclosed area to be utilized in performance of maintenance of passenger car equipment. Currently, employees at the equipment maintenance facility in Hialeah Yard (Miami, Florida) work on equipment outdoors. The site will include industrial sewer drains and work platforms, and will support activities such as truck removal and replacement, FRA-mandated inspections, a range of interior and electrical maintenance, and heavy duty cleaning. Also include in this facility will be health and welfare spaces that include provisions for lunch/break room, locker room, rest rooms, training room, and office space.

**Construction of LA Maintenance facility:** This project will provide a covered and partially enclosed area to be utilized in performance of maintenance of passenger car equipment. Currently, employees at this location work on equipment outdoors. The site will include industrial sewer drains and work platforms, and will support activities such as truck removal and replacement, FRA-mandated inspections, a range of interior and electrical maintenance, and heavy duty cleaning. Also include in this facility will be health and welfare spaces that include provisions for lunch/break room, locker room, rest rooms, training room, and office space. Also encompassed in this project will be the purchase and installation of a new wheel truing machine including supporting foundation, track changes, and protective building.

**Crossing to platform:** At many Amtrak stations, multiple-tracked lines require passengers to cross the tracks to reach the platform where their train will stop. These programs replace existing crossings with new ones that will be paved and will incorporate rubber or wooden guards at the rail for additional safety.

**Employee Information Management program – phase 3:** Amtrak has embarked on a program to improve Employee Information Management (EIM) to enable efficiencies in human resources processes that support a large, geographically distributed work force. The wages, salaries, and benefits associated with these resources comprise Amtrak's single largest expense and are hampered today by an over-reliance on paper-intensive, manual processes. This program will automate and consolidate "talent management" functions such as training records and personal development, recruiting, and employee access to and control over records, and routine personnel management actions.

## Glossary of Terms and Projects - Non-security and life safety

**Enterprise data access and availability:** To improve the exchange and visibility of information, Amtrak intends to undertake construction of an Enterprise Data Warehouse and associated “data marts” for the recording, tracking, and exchange of vital information within the company. These systems will improve our ability to capture, extract, and report on vital information.

**Fall protection mechanical shops off-corridor:** This project will provide for fall safe protection for employees performing maintenance and inspection activities on passenger cars and locomotives. OSHA requires all places where work is performed at heights greater than 8 feet to have “fall protection” to prevent accidents. Included within the scope of this project will be overhead cable systems, trolley ways, lanyards, hard points, harnesses, and other equipment specified to meet the OSHA regulations.

**Fixed bridge – East Harbor, Stonington, CT:** The existing bridge will be removed and replaced with an entirely new one; steel spans, concrete piers, and headwalls will be replaced. This work will be done on the same track alignment, with the work going on around the existing spans.

**Fixed bridge – Miamicock River replacement:** The existing bridge will be removed and replaced with an entirely new one; steel spans, concrete piers, and headwalls will be replaced. This work will be done on the same track alignment, with the work going on around the existing spans.

**Fixed Bridge – River Rd, Madison, CT:** The steel spans that carry the tracks across the gap between the concrete headwalls will be removed and replaced.

**Fixed bridge – Thames River, paint fix:** In FY 2008, Amtrak replaced the draw span on the Thames River drawbridge, which suffered from various operational issues. The remainder of the bridge was fundamentally sound, but needs repainting to preserve the metalwork.

**Fixed bridge – West Harbor, Stonington, CT:** The existing bridge will be removed and replaced with an entirely new one; steel spans, concrete piers, and headwalls will be replaced. This work will be done on the same track alignment, with the work going on around the existing spans.

**Fixed bridge: Orange Street, Wilmington, DE:** This bridge is currently a through truss, with the load-bearing portions of the bridge above the height of the rail. To allow sufficient room for eventual triple-tracking of the bridge, the through truss will be replaced with a deck girder, which will support the tracks from beneath, renewing the span and allowing space for a later triple-tracking project.

**Fixed bridges – Bronx Kill Hellgate – paint truss:** paint the metal truss on that portion of the Hell Gate Viaduct spanning the Bronx Kill between the Bronx and Randall’s Island in New York.



## Glossary of Terms and Projects - Non-security and life safety

**Fixed bridges – Pelham Bay NY:** The Pelham Bay drawbridge is supported on concrete piles, which are gradually deteriorating. This program will replace the piles with new ones, preserving the bridge's foundation.

**Fixed bridges – Union Street, Middleton PA:** The steel span that carries the line of track between the concrete headwalls will be replaced in its entirety.

**Fixed bridges – Wood Street, Middleton PA:** The steel span that carries the line of track between the concrete headwalls will be replaced in its entirety.

**Kiosk:** See "platform kiosk"

**LA Commissary:** The Los Angeles facility will receive improvements to the structure and interior. The dock plates on the loading dock will be replaced, and security gates will be installed on the commissary driveway. Offices and employee welfare facilities will be remodeled, and the warehouse floor will be repaired and covered. The facility will be painted, and an auxiliary generator installed to provide emergency power.

**Lamokin – frequency converter replacement:** These devices change alternating current from the frequency used for long distance transmission to the frequency needed to power trains. The three rotary "frequency converters" at Lamokin date from 1928; this project will completely rehabilitate them, with full-scale replacement of electrical components. Also included is the installation of six new transformers, fourteen new generators, and a complete replacement of all the power and control cabling, and a Remote Terminal Unit, which monitors the facility and provides offsite managers electronic data on the status of the various subsystems.

**Locomotive Communications and Camera project:** Install GPS, onboard video, and a recorder that will track locomotive "health" and fuel status, and transmit them electronically to Amtrak's CNOC. This will fund installation on 192 P-42 class diesel locomotives.

**Metuchen Frequency Converter:** Metuchen transmission cable & duct bank installation will include two additional underground transmission lines from Metuchen Step-up station to the NEC. The addition of these transmission lines will give much needed transmission flexibility and redundancy to the New York region.

**Miami commissary total:** Warehouse floors will be repaired and restored to ensure they remain usable. Employee welfare facilities such as a break room and bathrooms will be renovated, and an auxiliary power generator will be installed in the building.

**Mid Atlantic Division North – substation/transformer RTU:** Transformers are used to reduce the voltage from the 138,000V needed for transmission over long distances from the generating plant to voltages more suitable for use in powering trains. In addition to replacing 16 transformers on the north end of the Mid Atlantic Division, this will provide for replacement of critical electric infrastructure, such as circuit breakers, power and control cables, and associated protective relays.

## Glossary of Terms and Projects - Non-security and life safety

**Mid Atlantic Division South – substation/transformer RTU:** Transformers are used to reduce the voltage from the 138,000V needed for transmission over long distances from the generating plant to voltages more suitable for use in powering trains. In addition to replacing 6 transformers on the south end of the Mid Atlantic Division, this will provide for replacement of critical electric infrastructure, such as circuit breakers, power and control cables, and associated protective relays.

**Mobility First – Alliance Ohio:** A new ADA-compliant shelter station will be built, complete with platform, parking, and sidewalks.

**Mobility First – Alpine, TX:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot (with curb cuts), and accessible parking spaces will be constructed.

**Mobility first - Amherst, MA:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot (with curb cuts).

**Mobility First - Beaumont, TX:** A new ADA-compliant shelter station will be built, complete with platform, parking, and sidewalks.

**Mobility First - Browning MT (seasonal):** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot (with curb cuts), and accessible parking spaces will be constructed.

**Mobility First – Buffalo - Depew NY:** An ADA-compliant tactile edge will be added to the platform.

**Mobility First - Charlotte, NC:** An ADA-compliant tactile edge will be installed on the edge of the platform.

**Mobility First – Coatesville, PA:** design improved access plan for the station, including an ADA-compliant pathway from street to platform, platform repairs, improved lighting, accessible parking, and compliant signage.

**Mobility First - Cut Bank MT:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot (with curb cuts), and accessible parking spaces will be constructed.

**Mobility First – Fort Edwards – Glens Falls, NY:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train.

## Glossary of Terms and Projects - Non-security and life safety

**Mobility First - Galesburg, IL:** ADA-compliant tactile edge will be added to the platform.

**Mobility First – Hammond LA:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train.

**Mobility First - Kankakee, IL:** ADA-compliant tactile edge will be added to the platform.

**Mobility First - Lamar, CO:** A new ADA-compliant shelter station will be built, complete with platform, parking, and sidewalks.

**Mobility First - Lawrence, KS:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot (with curb cuts), and accessible parking spaces will be constructed.

**Mobility First - Libby, MT:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train.

**Mobility First – Okeechobee, FL:** A new ADA-compliant shelter station will be built, complete with platform, parking, and sidewalks.

**Mobility First – Penn Sta, NY:** Restrooms will be rehabilitated to bring them into compliance with the ADA.

**Mobility First – Pittsburgh, PA:** Install ADA-compliant tactile edges on the platforms.

**Mobility First - Providence, RI:** Install ADA-compliant tactile edges on the platforms.

**Mobility First - Rensselaer, IN:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot (with curb cuts), and accessible parking spaces will be constructed.

**Mobility First – Rouses Point, NY:** A new ADA-compliant concrete platform will be built (height will be 8” above the rail), with a small elevated platform known as a “mini-high” will be built to allow mobility-impaired passengers to board the train.

**Mobility First - Savannah, GA:** ADA-compliant tactile edge will be added to the platform.

**Mobility First - South Bend, IN:** ADA-compliant tactile edge will be added to the platform.

## Glossary of Terms and Projects - Non-security and life safety

**Mobility First - Stanley, ND:** A new ADA-compliant concrete platform will be built (height will be 8" above the rail), with a small elevated platform known as a "mini-high" will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot (with curb cuts), and accessible parking spaces will be constructed.

**Mobility First – Tampa FL:** Platforms will be improved to bring them into compliance with the ADA, and the canopies over the platforms will be repaired.

**Mobility First - Tomah, WI:** A new ADA-compliant concrete platform will be built (height will be 8" above the rail), with a small elevated platform known as a "mini-high" will be built to allow mobility-impaired passengers to board the train.

**Mobility First - Trinidad, CO:** A new ADA-compliant shelter station will be built, complete with platform, parking, and sidewalks.

**Mobility First - Whitefish MT:** A new ADA-compliant concrete platform will be built (height will be 8" above the rail), with a small elevated platform known as a "mini-high" will be built to allow mobility-impaired passengers to board the train.

**Mobility First – Winnemucca, NV:** A new ADA-compliant shelter station will be built, complete with platform, parking, and sidewalks.

**Mobility First – Winter Haven, FL:** An ADA-compliant tactile edge will be added to the platform, and the cracks in the platform will be repaired.

**Mobility First bridgeplates NEC:** Provides steel plates for emergency transfers between stopped trains on the Northeast Corridor, allowing passengers to transfer in an emergency without climbing down to the ballast.

**Mobility First- Stanley, ND:** A new ADA-compliant concrete platform will be built (height will be 8" above the rail), with a small elevated platform known as a "mini-high" will be built to allow mobility-impaired passengers to board the train.

**Mobility First: Chico, CA:** A new ADA-compliant concrete platform will be built (height will be 8" above the rail), with a small elevated platform known as a "mini-high" will be built to allow mobility-impaired passengers to board the train. New sidewalks will be built to reach the parking lot.

**MOFE Charlotte upgrade 480 Charlotte:** Upgrade the 480 volt electrical system that is used to provide electrical power to rail cars undergoing inspection and repair.

**MOFE Chicago – 14th St Car Shop Roof replacement:** replace the roof on the 14th Street car shop; existing roof is aging and prone to leakage.

**MOFE Chicago – 15th St Mat. Ctl/Comm – Roof replacement:** replace the roof on the material control and commissary buildings; existing roof is aging and prone to leakage.

## Glossary of Terms and Projects - Non-security and life safety

**MOFE Chicago – 16th St. Loco Shop:** Roof Replacement: replace the roof on the 16th street locomotive repair shop; existing roof is aging and prone to leakage.

**MOFE Hialeah – roof replacement:** Replace roof on equipment maintenance facility covering the drop table in Hialeah Yard, Florida. A drop table is utilized for the replacement of wheels and / or truck assemblies that house the wheel assemblies on cars or locomotives.

**MOFE Ivy City – Roof replacement:** Roof replacement on equipment maintenance facility, including associated repairs to roof mounted heating and air conditioning equipment.

**MOFE Ivy City – S&I Fire Alarm upgrade:** Upgrade fire alarms in servicing and inspection building at the Ivy City equipment maintenance yard.

**MOFE Ivy City – Train wash (non-HSR):** This project will provide for the refurbishment of the existing train wash facility utilized to clean the conventional single-level equipment fleet included in this facility will be the provisioning of de-icing equipment that will assist in minimizing ice build-up on the under carriage of passenger equipment. A train wash is similar to an automated automobile wash system on a larger scale.

**MOFE Ivy City:** Replace deteriorated concrete platforms at the electric locomotive Service and Inspection (S&I) Pit on Track #23.

**MOFE LA Yard Rehab:** This project is for the application of a protective epoxy coating to the concrete floor in the Service and Inspection (S&I) facility including drainage improvements. Additional facility infrastructure improvements will include installation of 480 volt electrical ground power and a compressed yard air system to provide electrical power to passenger cars during layover and to maintain air pressure in train air system during layover.

**MOFE Sanford – Coach shop – 480V electrical upgrade:** Upgrade the 480 volt electrical system that is used to provide electrical power to rail cars undergoing inspection and repair.

**MOFE Sanford – upgrade exterior lighting:** Upgrade exterior lighting system at equipment maintenance facility in Sanford, FL, to allow for better night visibility in equipment maintenance area.

**MOFE:** Maintenance of equipment. This term is used for facilities and equipment that are needed to keep locomotives, passenger coaches, and other rolling stock in good working order.

**MOFW Odenton – roof replacement:** Replace the roof on the maintenance of way base at Odenton, Maryland.

**MOFW Perryville – roof replacement:** Replace the roof on the maintenance of way base at Perryville, Maryland.

**MOFW Perryville sanitary sewer line:** Upgrade sewage removal lines at Perryville maintenance of way base.

**MOFW Quad avenue MofW base roof replacement:** Replace the roof on the maintenance of way base at Quad Avenue in Baltimore, Maryland.

## Glossary of Terms and Projects - Non-security and life safety

**New England Division – right of way improvements:** Regrading and shaping of ditches, culvert cleaning, restoration of drainage and tree and vegetation trimming to prevent damage from falling limbs and water runoff.

**New England Division concrete tie replacement:** Replace 80,000 deteriorating concrete ties and replace rail on curves at selected locations.

**New Orleans Commissary total:** The offices and employee welfare spaces (locker rooms, lunchrooms, bathrooms) will be remodeled, and floors will be repaired and resurfaced. The whole facility will be painted, and an auxiliary generator will be installed.

**New York Division – right of way improvements:** Regrading and shaping of ditches, culvert cleaning, restoration of drainage and tree and vegetation trimming to prevent damage from falling limbs and water runoff.

**New York Division – substation transformer replacement:** Transformers are used to reduce the voltage from the 138,000V needed for transmission over long distances from the generating plant to voltages more suitable for use in powering trains. In addition to replacing 3 transformers on the New York Division, this will provide for replacement of critical electric infrastructure, such as circuit breakers, power and control cables, and associated protective relays.

**Niantic River - Bridge Replacement:** The Niantic River drawbridge dates from 1906, and it is very close to the high water line, requiring openings for all but the very smallest watercraft; it also has a 45 mph speed restriction in effect, causing an average daily aggregate of 12 minutes of delay for our *Acela* services. The bridge's age and the continual need to open and close it have strained the aging machinery, making the structure failure-prone. Amtrak will replace the bridge with a higher three span bascule drawbridge on a new alignment, greatly reducing the need for openings and closing. Included in this project are the realignment of the approaches, improvements to the navigation channel, restoration of a public walkway, and removal of the old bridge.

**NY Penn Station Commissary total:** The commissary floor will be repainted and repaired, and an auxiliary generator will be installed to provide stand-by electric power. Locker rooms will be completely refurbished, and a new women's restroom will be built.

**Oakland Commissary:** Office and employee welfare spaces will be remodeled, the warehouse floor will be repaired and covered to ensure it will be suitable for future use, and an auxiliary generator will be installed to provide emergency power.

**Paint markings for accessible parking stalls on existing paving:** Parking spaces for mobility impaired customers. These are typically slightly wider than conventional parking spots, and often include a yellow striped area next to the space to allow transfer to a wheelchair.

## Glossary of Terms and Projects - Non-security and life safety

**Passenger Information Display System (PIDS) for stations:** ADA-compliant system for passengers with aural or visual disabilities. This will replace the current display boards, and will provide train and time data in displays of a color and size suitable for easy viewing.

**Penn STA NY – ADA restroom rehab:** Rebuild restrooms to ensure that handicapped people will be able to access them easily.

**Penn Station Chiller and Abatement backup power:** Design and install new chillers to support the air conditioning system. Emergency power generators to support the station's vital functions will also be installed as part of this program, and asbestos will be removed from the service building (outside of the main station).

**Platform kiosk:** Small roofed structure with space for advertising and information notices.

**Procurement sourcing and contracts system (ARIBA):** This project will implement the "sourcing and contracts" and "spend analysis" modules of the ARIBA procurement and contract management system. These modules support procurement sourcing enforcement rules and the contracting standards and procedures set forth in the Amtrak procurement manual, and are compliant with the terms recommended by the GAO.

**Program administration – non safety and life security:** The management and administration of a \$1.3 billion stimulus project will require some additional resources and staff. This program will provide 2 FTEs in FY 2009, 16 in FY 2010, and 10 in FY 2011. Included in these counts are supervisory personnel to manage an additional 160 employees in the Mechanical Department, and additional staff for the Human Resources, Procurement, Security and Finance Departments to handle the accounting, fiscal and project status reporting.

**Relaunch Amtrak.com and supporting systems:** This project will provide additional functionality on Amtrak's planned upgrade of Amtrak.com. These upgrades will provide customers with a larger range of choices (a full day, instead of just ten trains), a shopping cart system, similar to the ones in use by major online retailers, and alerts that will let prospective customers know when trains are approaching "sold out" status. The system will also deliver "targeted messaging" to customers, and will allow Amtrak to partner with a web solution provider to make Amtrak services and journey planning more easily accessible.

## Glossary of Terms and Projects - Non-security and life safety

**Return to service Amfleet cars:** This project will return 60 Amfleet cars to service over the next two years. The following scope will be performed under this Amfleet project: 1) Twenty (20) Amfleet I Food Service Cars will be converted to Amfleet I Coach Cars. During this process, the galley area will be removed, windows, seating, heating, and air conditioning will be installed and the car floor plan will meet the standard Capstone configuration thereby increasing revenue capacity. (Capstone: name given for this interior package enhancement which includes bathroom modules, wall and ceiling plastics, and a more neutral color scheme). 2) Four (4) Amfleet II Coach Cars and seven (7) Amfleet I Coach Cars will be rehabilitated from wreck status and then undergo a level 3 overhaul. (A Level 3 overhaul is the high level of overhaul or replacement of major components and systems that return the rolling stock to a state of good repair and extend the life of the asset. The work scope includes the overhaul of trucks, air brake valves, couplers, draft gears, seats, diaphragms, door operators, battery chargers, air conditioning units, and toilets. Also includes the replacement of the wheel-sl

**Seattle Commissary total:** Interior repairs will include the remodeling of office space and employee welfare facilities, and repair and resurfacing of the floors. Additional shelf storage will be installed in the warehouse, and auxiliary generators will be installed to provide emergency power.

**Seattle King Street Coach Yard, PH I & 2:** Phase 1 will consist of a new 750 foot long by 100 feet wide building will be constructed in the Seattle, WA Coach yard to facilitate the Cascade train maintenance operation. This service and inspection building will be constructed with facilities for material storage, administration, and health and welfare aspects for employees. Also contained in this building will be 2 tracks. One of these tracks will contain 200 feet of elevated track for an inspection pit to be used by maintenance of equipment personnel. A new wheel truing machine will be installed at the north end and will be housed in a new structure. Various track realignments will be required to accommodate these new structures. Phase 2 will consist of a 50 foot wide by 450 foot long facility that will contain a material control warehouse and employee welfare facilities for the yard operation.

**SHS repair or repave defective roadways, walkways and parking lot surfaces at facility:** General improvements to the South Hampton Street Yard in Boston, MA.

**South Station commissary:** The commissary will receive extensive repairs to its structure, interior and utility systems. The roof will be completely repaired, and the electrical system re modeled; several energy conservation projects will be included as part of this remodeling. Drains in the bathrooms will be repaired, and an access control and alarm system will be installed. The operating portions of the building will also be rebuilt. The Lift for loading dock #1 will be replaced. Cooler and freezer entrance doors will likewise be removed and replaced. The warehouse will be painted, and the Eatec office will be retiled. An auxiliary electric generator will be installed to ensure power is available to keep inventory refrigerated in the event of a major power loss.



## Glossary of Terms and Projects - Non-security and life safety

**SSY (Sunnyside Yard) Commissary total:** The Sunnyside Commissary will receive a complete rehabilitation, including need structural repairs to the walls. An electric generator will be installed to provide auxiliary power for refrigeration and emergency needs. Electric connections will be installed to power refrigerated trucks (reducing the need for diesel power), and a fenced in area will be installed in the cooler to store alcoholic beverages. The warehouse floor will be restored and locker rooms for employees, which are badly in need of repair, will be renovated.

**SSYD yard lighting:** Lighting upgrades to Sunnyside Yard in New York City, which will provide for better lighting for night work and operations.

**STA Providence – overbuild catenary protection:** Construct protective edging above the electric power transmission wires for trains, to prevent accidental contact.

**SUB 25A Washington, DC - Roof replacement:** Replace the roof on a structure housing electric traction substation components at Union Station.

**Transmission line replacement:** Design a replacement electric transmission system to carry power from the generating plant at Safe Harbor to Atglen, PA. This system is outdated, and suffers from serious maintenance problems; replacement will greatly enhance the reliability of our electric traction and NEC train services.

**Vertical Circulation:** Stations serving multi-tracked rail lines sometimes incorporate an “island platform” between the tracks. In such cases (particularly where traffic is heavy), these platforms are accessible by either a tunnel or an overbridge. ADA-compliant “vertical circulation” is provided by elevators.

**Washington Commissary total:** The Washington commissary will receive structural and electrical improvements. Electrical connections will be installed to power refrigerated trucks, eliminating the need to keep diesel engines running. Walls and doors in the trash compactor area will be repaired, and the dock bumpers will be installed at the Ivy City facility. Finally, an auxiliary generator will be installed to provide standby power.

**Wheelchair lift, pad and enclosure:** As part of its “Mobility First” program, Amtrak is installing wheelchair lifts around the system. These small hydraulic lifts can raise a wheelchair to coach level at stations where the platforms do not permit level boarding. The concrete pad provides a stable base for the lift, and the enclosure protects it from weather and vandalism.

**Wilmington, DE station restoration:** This massive project, starts with a thorough renovation of the building exterior, sidewalk, stairwell enclosures, platform canopy shelters, and the waterproofing of the track bed (which is needed, because the waiting room is underneath the tracks). Once these projects are complete, The interior will be cleared and refurbished, with major repairs to the interiors, a new air conditioning system, and new electrical and plumbing systems. Waiting rooms and other spaces on the second floor will also be restored.

## Glossary of Terms and Projects - Non-security and life safety

**Wireless access points for field operations (NEC):** Current wireless communications infrastructure and connectivity technology has progressed to the extent that its use will support Field Operation's business and functional requirements. Users such as management, staff and field personnel who are not based in an office location such as mechanical shops and yards or who travel as part of their job functions shall have the capability to connect to the Amtrak data network via a dedicated network connection, where practical, via wireless technology. This will allow employees to enter job orders for review and processing directly from the field. The wireless access will be made available at key maintenance and support facilities as well as critical areas along the right of way. The Field Operations users that will benefit from the wireless access are - Amtrak Police Department, Engineering, Mechanical, and Transportation workers.

**Wireless points for Field Operations (non-NEC):** Current wireless communications infrastructure and connectivity technology has progressed to the extent that its use will support Field Operation's business and functional requirements. Users such as management, staff and field personnel who are not based in an office location such as mechanical shops and yards or who travel as part of their job functions shall have the capability to connect to the Amtrak data network via a dedicated network connection, where practical, via wireless technology. This will allow employees to enter job orders for review and processing directly from the field. The wireless access will be made available at key maintenance and support facilities as well as critical areas along the right of way. The Field Operations users that will benefit from the wireless access are - Amtrak Police Department, Engineering, Mechanical, and Transportation workers.

**WUS High platform replacement:** Replace two high level concrete platforms at Washington Union Station that are deteriorating with completely new platforms.

**MOFE LA Yard Rehab:** This project is for the application of a protective epoxy coating to the concrete floor in the Service and Inspection (S&I) facility including drainage improvements. Additional facility infrastructure improvements will include installation of 480 volt electrical ground power and a compressed yard air system to provide electrical power to passenger cars during layover and to maintain air pressure in train air system during layover.

**MOFE Ivy City – Switch gear upgrade:** This project will provide for the upgrade of the electrical switch gear. This is a part of the power distribution system for electrical power coming into the facility from the utility company

**MOFE Ivy City – S&I building – rehab KIRK Key Interlocking system #7 & 8 tracks:** This project will upgrade the dual-key control panel that is utilized to de-energize the overhead power catenary within the facility work limits which will provide a safe work environment for employees.

**MOFE Ivy City – Replace Platforms:** This project will replace deteriorated concrete platforms at the electric locomotive Service and Inspection (S&I) Pit – Track #23.

## Glossary of Terms and Projects - Non-security and life safety

**MOFE Ivy City – Roof replacement:** This project will replace the roof on the main conventional single-level equipment fleet maintenance facility including associated repairs to roof mounted heating and air conditioning appurtenances.

**MOFE Hialeah – roof replacement:** Replace roof on equipment maintenance facility covering the drop table in Hialeah Yard, Florida. A drop table is utilized for the replacement of wheels and / or truck assemblies that house the wheel assemblies on cars or locomotives.

**MOFE Sanford – upgrade exterior lighting:** Upgrade exterior lighting system at equipment maintenance facility in Sanford, FL, to allow for better night visibility in equipment maintenance area.

**Sanford expand and upgrade employee health and welfare facility:** Improves a building utilized by Train & Engine crews, maintenance of equipment (mechanical), and maintenance of way (engineering) employees for meals, training, office and other health and morale-related functions.

**MOFE Chicago – 12 St. S&I Building:** This project will provide for additional heavy duty access man doors in the side walls of the Service and Inspection Building.

**MOFE Chicago - restore steam system throughout the yard for servicing and winter operations:** This project will provide repairs to and restore the integrity of the steam system throughout yard, to ensure functionality and integrity.

**MOFE Chicago – 14<sup>th</sup> St Yard High Mast lights replacement:** will enhance train yard operations for a safe work environment for employees during night time hours.

**MOFE Chicago – Restore track 12/13/14:** This project will provide for the restoration of tracks 12, 13, and 14 including the rebuild of trackage, and installation of utility services including compressed air system, steam distribution, potable and non-potable water system, and 480 volt electric ground power and heated platforms.

**MOFE Chicago – 14<sup>th</sup> St Car Shop Roof replacement:** This project will provide for the replacement of the roof on the 14<sup>th</sup> Street car shop including associated repairs to roof mounted heating and air conditioning appliances since the existing roof is aging and prone to leakage.

**MOFE Chicago – Comprehensive Yard Air Improvements 14<sup>th</sup> and 16<sup>th</sup> Streets:** This project will provide for improvements to the compressed air system in the train yard at 14<sup>th</sup> and 16<sup>th</sup> street storage track areas, providing compressed air for air brake systems on standby trains.

**MOFE Chicago – 16<sup>th</sup> St. Loco Shop Roof Replacement:** This project will provide for the replacement of the roof on the 16<sup>th</sup> street locomotive repair shop including associated repairs to roof mounted heating and air conditioning appurtenances since the existing roof is aging and prone to leakage.

## Glossary of Terms and Projects - Non-security and life safety

**MOFE Chicago – 12<sup>th</sup> St S&I building: upgrade toilet dump system, minimize freezing:** This project will provide for the upgrade of the toilet waste dump system in the 12<sup>th</sup> street Service and Inspection (S&I) facility. This will also include the provisioning of a steam / hot water distribution manifold system to facilitate thawing of and removal of ice build-up on the underside of passenger equipment during winter operations and the upgrade of the compressed air system, potable and non-potable water system, and 480 volt electric ground power. Freezing of toilet systems on cars standing in Chicago was a major problem in the winter of 2008-2009. These upgrades will reduce these problems in the future.

**MOFE Electrical distribution upgrade car and loco dept Chicago yard:** This project will provide for improvements to the 480 volt electrical ground power to provide electrical power to passenger equipment in the train yard at 14<sup>th</sup> and 16<sup>th</sup> street storage track areas. This project will also include electrical substation renewal and electrical service upgrades. This is the power distribution system for electrical power coming into the facility from the utility company

**MOFE Chicago – 14 St yd car wash replacement :** This project will provide for the replacement of the train wash facility included in this facility will be the provisioning of de-icing equipment that will assist in minimizing ice build-up on the under carriage of passenger equipment. A train wash is similar to an automated automobile wash system on a larger scale.

**MOFE Chicago Central S &I expand the S&I building:** This project will provide for the construction expansion of the 12<sup>th</sup> street Service and Inspection (S&I) facility to cover tracks 5 & 6 including inspection pits, 480 volt electrical ground power, inspection pit lighting, compressed air system, potable / non-potable water manifold system, steam / hot water manifold system, toilet waste dump system to facilitate effective and efficient operation during inspection and maintenance of passenger equipment and trains. It is anticipated that this facility will include a stand-alone boiler system and locomotive sand / fuel platforms at both ends of the new facility. Also included in this project is the upgrade to the existing S & I that currently covers tracks 3 and 4 facility including provisioning of locomotive sand / fuel platforms at both ends as discussed elsewhere within this document.

**BEE Central fume extractor Force / CSII:** This project will provide for the installation of a centralized welding fume and particulate extractor system in the forge shop and coach shop II at the Beech Grove, Indiana facility. The purpose of this system is to remove fumes and particulates that are generated during welding and gas torch cutting operations to assure safe work environment for our employees. (This system is similar to a centralized vacuum system found in homes or wood working shops but on an industrial scale)

**MOFE New Orleans - Wayside Power Upgrades:** This project will provide for the trackside utility upgrade of the 480 volt electrical ground power to passenger cars during inspection, maintenance, and layover.

## **Glossary of Terms and Projects - Non-security and life safety**

**SHS hazmat container storage building:** This project will provide for the expansion of the hazardous material container storage area including new doors for security at South Hampton Street Yard in Boston.

**SHS car wash:** This project will provide for the refurbishment of the existing train wash facility included in this facility will be the provisioning of de-icing equipment that will assist in minimizing ice build-up on the under carriage of passenger equipment. A train wash is similar to an automated automobile wash system on a larger scale (South Hampton Street Yard, Boston).

**SHS – HSR drop table building:** This project will provide for the construction of a facility to enclose a drop table to be utilized for the high speed train set maintenance. A drop table is utilized for the replacement of wheels and / or truck assemblies that house the wheel assemblies on passenger coaches or power cars.

**MOFE Pontiac, MI – New roof and insulation for mechanical building:** This project will provide for a new roof and insulation of the facility utilized by mechanical employees at this location.

**SSYD rehab new roof for engine house and car shop:** This project will replace the roof on the passenger car and locomotive maintenance facility in Sunnyside Yard in New York City.

**SSYD Platform improvement program:** This project will provide for the rehabilitation of the concrete platforms at Sunnyside Yard in New York City, including all service utilities encompassing compressed air system, steam / hot water distribution, potable and non-potable water system, and 480 volt electric ground power.

**MOFE Penn Coach Yard Water and Compressed Air U.G. Pipe replacement:** This project will provide for the replacement of the compressed air system and potable and non-potable water system at Penn Coach Yard in Philadelphia.