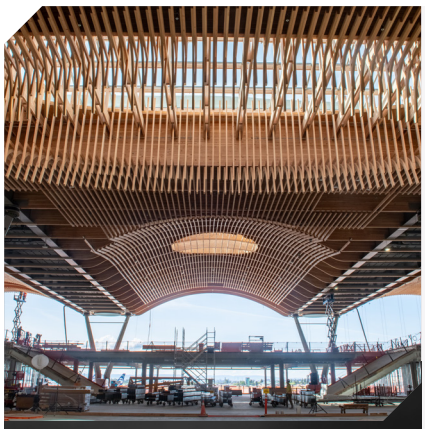


KPFF, GRI & PAE

Project:
Portland International Airport Terminal Core Redevelopment

Project Location:
Portland, Oregon

Client:
Port of Portland

GRAND **AWARD**

The Portland International Airport (PDX) Terminal Core Redevelopment Project modernizes and expands one of America's favorite airports. Between outdated facilities, seismic vulnerabilities, and projections that showed travel demand would soon exceed terminal capacity, PDX needed a solution that would create more space, safer space, and do so while still delivering peerless passenger experience. In the interest of both time and efficiency, the team modernized the existing terminal in phases to minimize disruption, with the new expansion designed to exceed code for seismic resilience. The project features a 400,000-square-foot mass timber roof supported by more than 30 Y-shaped columns equipped with seismic isolators.

Magnusson Klemencic Associates

Project:
The Seattle Aquarium's Ocean Pavilion

Project Location:
Seattle, Washington

Client:
LMN Architects

GRAND **AWARD**

The Seattle Aquarium's Ocean Pavilion is a cutting-edge project centered around an innovative "Supertank," a one-of-a-kind sculptural concrete structure that holds 500,000 gallons of water and serves as the primary frame of the building. Optimized for marine life behaviors and benefits, this Supertank supports both public spaces and research labs. The tank also provides earthquake and windstorm protection by concentrating the weight of the building to mitigate soft soil that is liquefiable during an earthquake. The Supertank features a 50-foot cantilever, creating a column-free entry that offers visitors an immersive aquarium experience.

Severud Associates Consulting Engineers, PC

Project:
Sphere

Project Location:
Las Vegas, Nevada

Client:
Sphere Entertainment Co.

GRAND **AWARD**

With its 516-foot-diameter and 366-foot height, Las Vegas' Sphere is the world's largest spherical structure, enclosing a bowl-shaped theater for 17,600 guests seated beneath a domed roof and suspended media plane. Designed using advanced engineering modeling tools, Sphere was prefabricated in sections to facilitate construction and reduce the need for temporary support. Through sophisticated detailing and carefully controlled tolerances, Sphere's prefabricated 400-foot dome was delivered to within about one inch of ideal geometry. Sustainability was a priority in the design of Sphere, as well as mitigating the unique challenges of a desert climate. Recycled materials were used throughout the structure, while the Exosphere's design allows for thermal expansion.

Walter P Moore

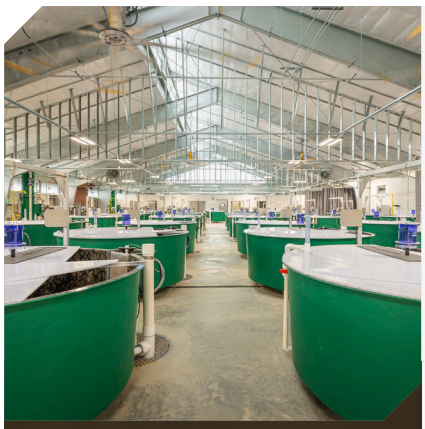
Project:
Intuit Dome

Project Location:
Inglewood, California

Client:
Los Angeles Clippers / AECOM

GRAND **AWARD**

The new home of the NBA's Los Angeles Clippers, Intuit Dome, is the fulfillment of owner Steve Ballmer's vision for an iconic, environmentally friendly, community-and-fan-focused arena. The 18,000-seat venue anchors the 1.14-million-square-foot complex, which includes training facilities, team offices, and community courts. Because the complex is located just 1.25 miles from the Newport-Inglewood fault, seismic safety was of paramount concern. The team addressed this via an ingenious design that allows the roof to move independently from the main structure, "swishing like a hula skirt" around the rigid frame during earthquakes. As a fully electric facility with sufficient solar panels and batteries to power the arena for an entire concert or basketball game, Intuit Dome is the first NBA arena to achieve LEED Platinum certification under LEED v4.



HDR

Project:
Native Salmonid Conservation Facility

Project Location:
Usk, Washington

Client:
Seattle City Light

GRAND **AWARD**

The Native Salmonid Conservation Facility is an initiative by Seattle City Light to protect and establish self-sustaining, naturally producing threatened Westslope cutthroat trout in the Pend Oreille River watershed. The state-of-the-art facility captures genetically pure fish from the basin's tributaries, spawns them, and returns the progeny to the natal streams. The facility also rescues trout from local streams and nurtures them through advanced aquaculture techniques, enhancing their survival chances, and aims to include endangered bull trout or mountain whitefish at the hatchery in the future. The project team overcame challenges such as site conditions and severe weather to provide extensive underground utility work and eight facility structures and three residences for facilities staff.

Wade Trim

Project:
Saddle Creek High Rate Treatment Basin

Project Location:
Omaha, Nebraska

Client:
City of Omaha Public Works Department

GRAND **AWARD**

The Saddle Creek High Rate Treatment Basin (HRTB) marks a milestone achievement in the Clean Solutions for Omaha program aimed at reducing the impacts of combined sewer overflows (CSO) by 2027. Previously, untreated sewage overflowed into the Little Papillon Creek dozens of times per year. As Nebraska's first remote HRTB, Saddle Creek captures and treats combined sewage during storms, providing "equivalent to primary" treatment for flows up to 160 million gallons per day, and can screen, remove grit, and disinfect flows up to 320 million gallons per day during extreme events. Saddle Creek uses a gravity-flow-through design that moves flows in and out of the facility without major pumping. On the sustainability side, the project site involved remediating a former construction debris landfill, with more than 330,000 tons of piping, street debris, and fill material removed.

HNTB Corporation

Project:
Brightline Florida East-West Connector

Project Location:
Orlando, Florida

Client:
Florida East Coast Industries, Fortress Investment Group

GRAND **AWARD**

Brightline is the 235-mile rail line that connects Orlando and Miami, two of America's biggest vacation and tourist destinations. For this project, the team completed a 38-mile east-west expansion of the line, connecting Cocoa and Orlando. Touted as a potential game-changer in American travel, Brightline sets a precedent for expanding the breadth and scope of the U.S. rail system by linking city pairs that are too far to drive but too close to fly. The Brightline Florida East-West Connector project is composed of more than 30 bridges, grading, drainage, communications, signal layout, and utility relocation. Delivered on time and within budget, the connector also has contributed to Brightline's sustainability impact, helping to remove three million vehicles from Florida's highways annually.

HNTB Corporation and Jacobs Engineering

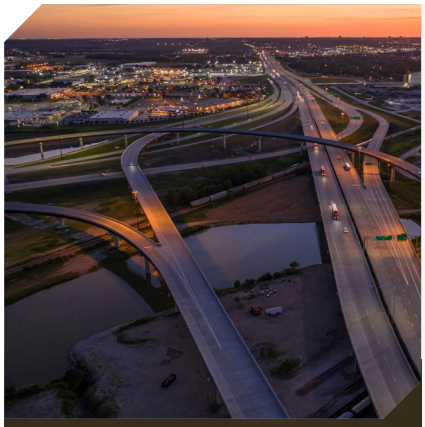
Project:
Lynnwood Link Extension

Project Location:
Lynnwood, Washington

Client:
Sound Transit

GRAND **AWARD**

The Lynnwood Link Extension expands the Sound Transit Link Light Rail system by 8.5 miles, stretching from Northgate Station in north Seattle to Lynnwood Transit Center, marking the system's first reach into Snohomish County. The project addresses the demand for sustainable, efficient transit in one of Washington State's most congested corridors. Lynnwood Link Extension offers seamless, traffic-free access to destinations such as downtown Seattle, University of Washington, and Sea-Tac International Airport. Link trains run every four to six minutes during peak hours; the service is expected to carry as many as 55,000 daily passengers within the next year. Through innovative tools like 3-D modeling, the project team was able to start construction before the full design was finalized.



HDR

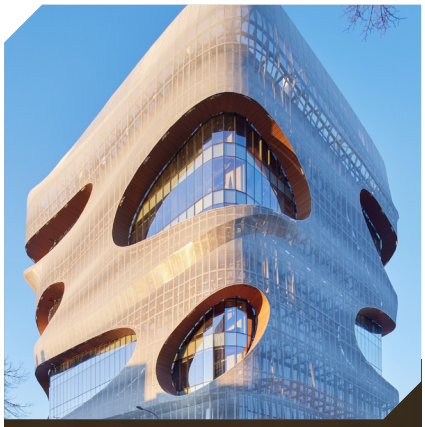
Project:
TPF-5(372) Building Information Modeling (BIM) for Bridges and Structures

Project Location:
Ames, Iowa

Client:
Iowa Department of Transportation

HONOR **AWARD**

A group of U.S. state transportation agencies led by the Iowa Department of Transportation and the Federal Highway Administration commissioned a study to define and implement a national data standard for the use of Building Information Technology (BIM) for bridges and structures. As more designers look to BIM for bridges, this new unified standard will enable users to share data, irrespective of which BIM program is used—a ground-breaking development that will change the way bridges are designed for the next generation.



HDR

Project:
Anna-Maria and Stephen Kellen Building

Project Location:
Rochester, Minnesota

Client:
Mayo Clinic

HONOR **AWARD**

Located on the campus of the world-renowned Mayo Clinic, the Anna-Maria and Stephen Kellen Building houses facilities focused on discoveries in neurosciences and cancer research. Inside the Kellen Building, researchers conduct both basic and translational research, with clinical practice and education all under the same roof. Innovative risk-based zoning allows varied hazard levels to cohabitate within the same building, encouraging collaboration and reducing the need for high-cost, hazard-intense laboratory space.

Mason & Hanger

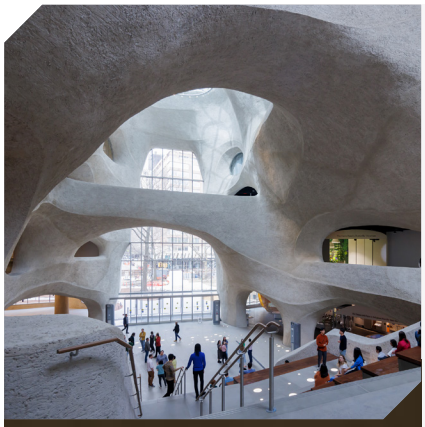
Project:
New U.S. Embassy – Niamey, Niger

Project Location:
Niamey, Niger

Client:
U.S. Department of State – Bureau of Overseas Building Operations

HONOR **AWARD**

An example of diplomacy in stone, the new U.S. Embassy in Niamey, Niger combines the best of American architecture with the beauty and majesty of Nigerien landscapes, with a modern design that honors local culture and adapts to local climate. The new embassy was designed with an eye toward sustainability, incorporating green building techniques like on-site water purification and natural shading systems. Certified LEED Platinum, the embassy incorporates a suite of energy-efficient features, and a state-of-the-art microgrid ensures the self-sufficient compound does not use local resources.



Arup

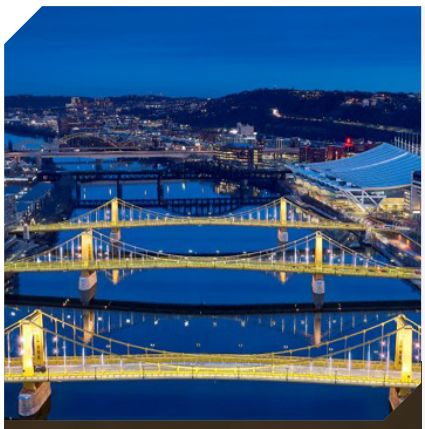
Project:
Richard Gilder Center for Science, Education, and Innovation

Project Location:
New York, New York

Client:
American Museum of Natural History

HONOR **AWARD**

The Richard Gilder Center for Science, Education, and Innovation at New York's American Museum of Natural History serves as a connection point among 10 museum buildings, linking the entire campus and establishing a new entrance in Theodore Roosevelt Park. At the heart of the Gilder Center is its five-story Kenneth C. Griffin Exploration Atrium, which features flowing forms inspired by southwestern canyons. The structure is composed of shotcrete, a technique developed by museum naturalist Carl Ackley that involves spraying concrete directly on to rebar.



Michael Baker International

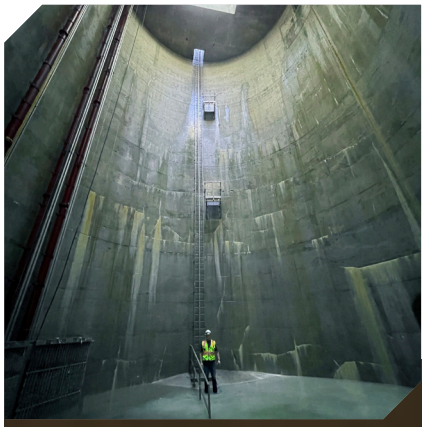
Project:
Three Sisters Bridges Rehabilitation

Project Location:
Pittsburgh, Pennsylvania

Client:
Allegheny County Department of Public Works

HONOR **AWARD**

Built in the mid-late 1920s, the Sixth, Seventh, and Ninth Street Bridges – collectively known as the "Three Sisters Bridges" – span the Allegheny River and are crucial for connecting downtown Pittsburgh's business district with North Shore landmarks like PNC Park and Acrisure Stadium. With each bridge showing its age in distinct ways, each was rehabilitated separately to address its unique aging challenges. The team was mindful of the historical significance of the bridges, using materials not normally used in modern bridge construction to maintain the look and feel of the past while ensuring structural integrity.



Barr Engineering Co.

Project:
I-35W Underground Stormwater Storage Facility

Project Location:
Minneapolis, Minnesota

Client:
Minnesota Department of Transportation

HONOR **AWARD**

I-35W is a major artery in Minneapolis, with traffic volume expected to reach more than a quarter of a million vehicles per day in the next decade. For decades, traffic lanes would flood after storms, bringing traffic to a standstill for hours. The project team developed Minnesota's first vertical underground stormwater storage facility (SSF). Composed of six connected, 80-foot-deep chambers with a combined capacity equal to seven Olympic-size swimming pools, the cells significantly reduce stormwater flooding along the interstate, keeping traffic moving during storms.

Parsons

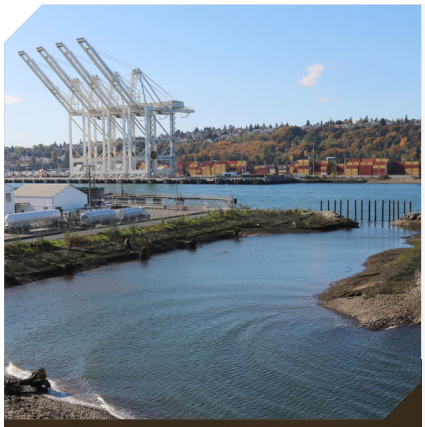
Project:
Deer Creek Sanitary Tunnel and Pump Station

Project Location:
St. Louis, Missouri

Client:
Metropolitan St. Louis Sewer District

HONOR **AWARD**

The Deer Creek Watershed consists of approximately 24,000 acres served by more than 100 miles of sanitary and combined sewers. Part of the Metropolitan St. Louis Sewer District's Capital Improvement Program, this project aimed to mitigate basement backups and sewer overflows caused by heavy rains in a half-dozen surrounding communities. The project team designed a deep storage tunnel capable of holding 38 million gallons of stormwater. A pump station then drains the tunnel in less than 48 hours, with advanced hydraulic modeling to ensure efficiency and reliability.



KPFF Consulting Engineers with Floyd|Snider & Vigor Industrial

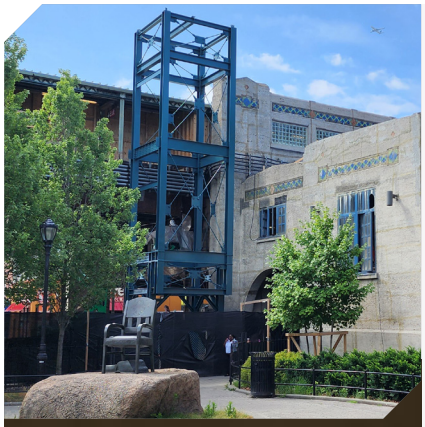
Project:
Vigor Industrial Harbor Island Habitat Restoration

Project Location:
Seattle, Washington

Client:
Vigor Shipyards

HONOR **AWARD**

When Vigor purchased a 27-acre shipyard, the company assumed responsibility for decades of environmental damage caused by industrial operations. The Southwest Yard Restoration Project on Harbor Island transformed 2.7 acres of the shipyard into a new aquatic habitat refuge, restoring habitat for Chinook salmon, migratory birds, and other wildlife that had been exposed to hazardous substances over the years. The project team also modernized the shipyard operations with reconfigured piers, a revitalized drydock, and a new stormwater system.



AECOM

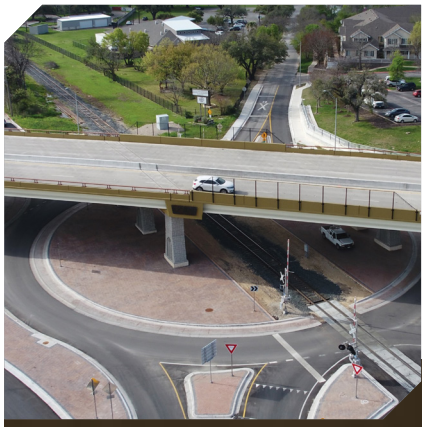
Project:
Design-Build Services for Accessibility Upgrades – Package 2

Project Location:
New York, New York

Client:
MTA C&D

HONOR **AWARD**

Aimed at improving accessibility to one of the world's busiest transit systems, this project included installing 11 new elevators and replacing five across eight Metropolitan Transit Authority stations in Brooklyn, the Bronx, Manhattan, and Queens. The team also made improvements at five elevated, two below-ground, and one open-cut station. The project significantly improves subway access for disabled passengers, advancing MTA's goal of universally accessible stations that are aesthetically pleasing and provide an all-around positive commuter experience.



Halff

Project:
RM 620 Railroad Overpass and Roundabout

Project Location:
Round Rock, Texas

Client:
City of Round Rock

HONOR **AWARD**

The RM 620 Railroad Overpass and Roundabout addresses long-standing traffic congestion caused by an at-grade railroad crossing frequently blocked by slow-moving rock trains. RM 620 is an essential roadway in the Round Rock community, serving commuters, area businesses, a residential neighborhood, and both the high school and medical center. The project team developed a solution that increased traffic capacity while minimizing environmental and property impact. They created an at-grade roundabout intersected by the railroad—with a bridge that handles 90 percent of the traffic spanning the entirety of the roundabout.

Jacobs

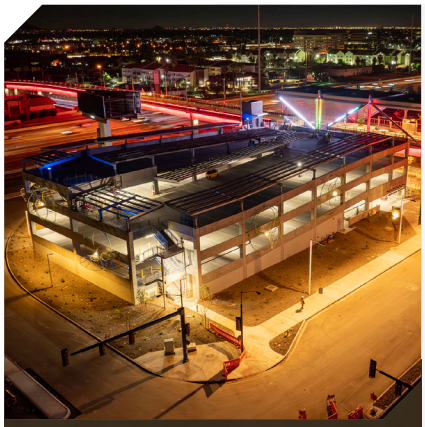
Project:
Seattle Waterfront
Overlook Walk

Project Location:
Seattle, Washington

Client:
City of Seattle – Office of the
Waterfront and Civic Projects

HONOR **AWARD**

Seattle's Overlook Walk is an inviting and accessible connection between Pike Place Market and the Seattle Waterfront, two of the Emerald City's most iconic attractions. The project team designed an elevated park that includes ramps, stairs, elevators, a café, a play area, and landscaped open space, offering room to explore when wanted and rest when needed. Overlook Walk has quickly become a Seattle landmark, transforming a challenging 100-foot climb into a destination for tourists and residents alike.



Jacobs Engineering Group Inc.

Project:
Northwest Extension Phase II,
Light Rail Extension

Project Location:
Phoenix, Arizona

Client:
Valley Metro Rail

HONOR **AWARD**

The Valley Metro Northwest Extension Phase II added 1.6 miles of new track to Phoenix's light rail system, improving connectivity for residents of the West Valley and enabling access to educational, employment, and entertainment opportunities that might otherwise be out of reach. Key achievements of the project include incorporation of a park-and-ride garage to reduce its environmental footprint, $60 million in value engineering (VE) savings, the Valley's first aerial multimodal transit center, and a rail-only bridge spanning all lanes of I-17, enabling future freeway expansion.

RK&K

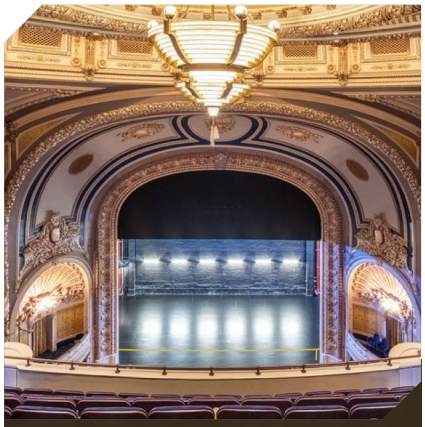
Project:
I-66/Nutley Street Interchange

Project Location:
Fairfax County, Virginia

Client:
Virginia Department of Transportation (Owner) and FAM Construction, LLC (Client)

HONOR **AWARD**

Part of the Virginia Department of Transportation's (VDOT) $3.7 billion Transform I-66 Outside the Beltway Project, the I-66/Nutley Street Interchange in a heavily populated part of Northern Virginia was originally planned as a diverging diamond interchange that would have required replacing an existing bridge and constructing a second. But the project team had other ideas, introducing a partial cloverleaf interchange design with double roundabouts while reusing the existing bridge – eliminating the need for a second structure. The project reduced costs, construction time, and environmental impacts, while enhancing traffic flow and safety.



Langan

Project:
TSX Broadway

Project Location:
New York, New York

Client:
L&L Holding Company (acting as Development Manager)

HONOR **AWARD**

The TSX Broadway project in New York's Times Square transformed a 46-story hotel into a modern hotel and retail complex, all while incorporating the historic Palace Theatre. The project involved lifting the century-old theater an astonishing 31 feet into the air to create room for retail space below. The team provided the geotechnical engineering services for this project, in which excavation was performed while the theater was raised. This approach allowed for all below-grade and bracing work to occur simultaneously, minimizing disruption to one of the nation's busiest intersections.

SmithGroup

Project:
Glass City Metropark

Project Location:
Toledo, Ohio

Client:
Metroparks Toledo

HONOR **AWARD**

The Glass City Metropark project transformed a 70-acre industrial brownfield into a vibrant urban park. Toledo, Ohio, became known as the Glass City in the 1800s when it emerged as a major manufacturer of glass and a center of industry. The Metropark site was once home to a coal-fired power plant, which left the site covered in several feet of fly ash. The new design prioritized sustainable development and landscape resilience, while addressing soil issues created by the power plant. The park now includes three miles of nature trails, a marina, and recreated habitats.

Burns and McDonnell

Project:
R.D. Morrow Repower Project

Project Location:
Purvis, Mississippi

Client:
Cooperative Energy

HONOR **AWARD**

The R.D. Morrow Generating Station Repower Project transformed Cooperative Energy's aging coal-fired facility into a state-of-the-art natural gas combined-cycle plant. Utilizing an innovative heat recovery repower strategy, the project team incorporated existing infrastructure with advanced turbine technology. This initiative nearly tripled the plant's capacity – and halved its carbon emissions. The team also prioritized community and employee engagement; the project was built primarily by crews from the area, with those crews achieving more than 1.9 million work hours with zero safety incidents.