City of Atlanta

Northwest Atlanta Industrial Area Freight Study

Location
Atlanta, GA

Services
Sustainability Services
Transportation Planning

Northwest Atlanta is a complex mix of industrial, residential and commercial uses crisscrossed by a vast network of transportation systems, including freight rail, bus routes, multi-use paths, transit rail and roadways that serve local and regional traffic. The Department of City Planning (DCP) undertook the Freight ATL: Northwest study to ensure that the transportation system can sustain the area's competitive industrial sector and high quality of life in the neighborhoods that support it. The purpose of the study was to examine transportation planning, traffic operations, and related planning needs, and to identify recommended projects and policy changes to address those needs. The study focused on facilitating efficient movement of freight, improving access to jobs, reducing traffic congestion, improving safety, mobility, and access for all roadway users. It also identified partnerships, resources and strategies for sustaining a viable industrial sector in Northwest Atlanta based on an analysis of trends, case studies and best practices.

Mill Creek Residential Trust

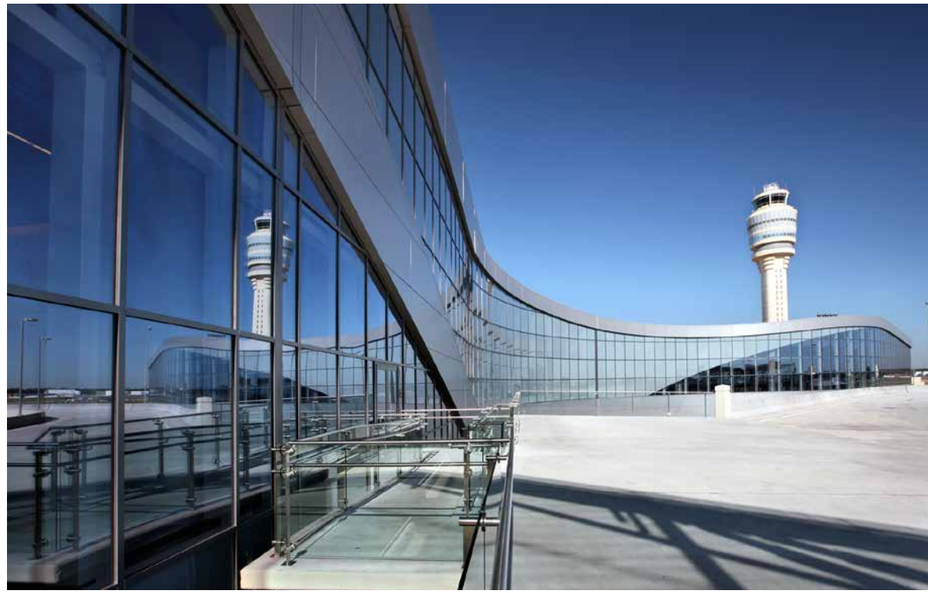
Modera Parkside

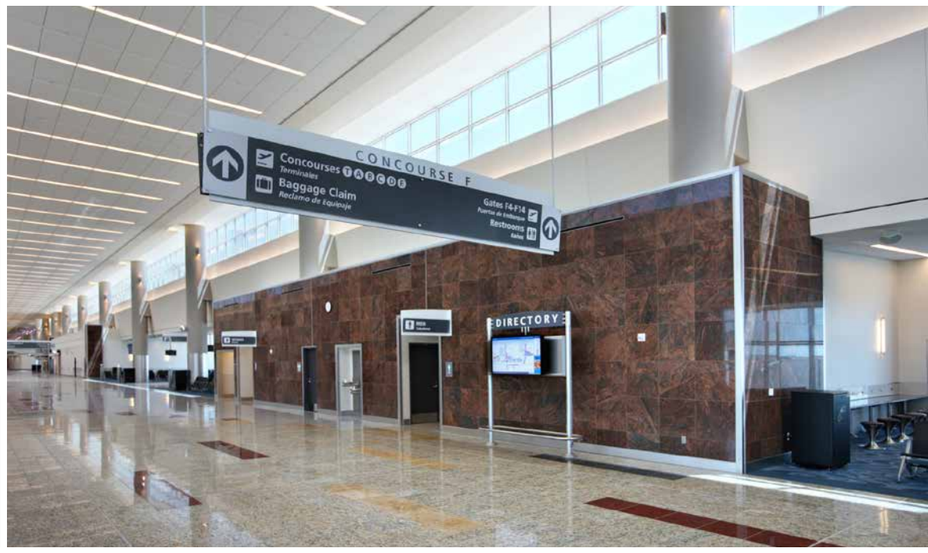
Location
Atlanta, GA

Size
3,300 sf Retail
32 Floors
343 ft Height
361 Units Apartments
656,720 sf Total

Services
Architecture
Landscape Architecture

Siting on the edge of high-rise zoning, the now location of Modera Parkside sat empty and underutilized for over a decade. Mill Creek Residential saw an opportunity in this site though. The opportunity to create a multifamily tower that melds the elements of a unique neighborhood with incredible amenities that appeal to a diverse set of renters all while embracing the unencumbered views of Atlanta's skyline, Piedmont Park and Stone Mountain. With remote workers, pet owners and cyclists in mind, Modera Parkside boasts amenities such as two expansive pools, a rooftop dog run, an outdoor lounge with bar and kitchen, luxury fitness and yoga studios, resident bike storage, a top-of-the-line business center and conferencing space, an upscale lobby lounge, ample structured parking and more.





Hartsfield-Jackson Atlanta International Airport (ATL)

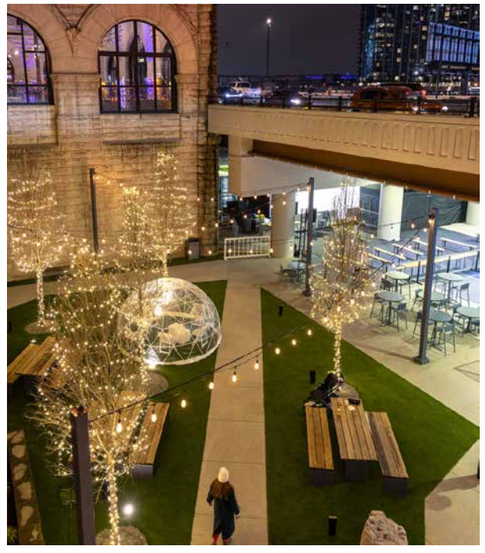
Maynard H. Jackson Jr. International Terminal

Location
Atlanta, GA

Size
1,285,165 sf Total

Services
Architecture
Engineering
Experiential Design
Interior Design
Landscape Architecture
Program Management
Sustainability Services
Wayfinding Analysis, Planning, Design and Implementation

With the aim to create a timeless gateway to their world-class city, the City of Atlanta Department of Aviation asked Gresham Smith to design the new, 1,200,000-square-foot Maynard H. Jackson Jr. International Terminal. Our team envisioned a fluid design, focusing on creating a space that was open, functional, efficient and environmentally conscious while adhering to a tight budget and schedule. This LEED Gold certified, fast-track, multi-package project involved the new international gateway and concourse, a highly complex connector constructed more than 40 feet underneath the existing Concourse E, and a 1,300-space parking garage. Providing full-service design for the project, we were responsible for comprehensive planning, project management, architectural and interior design, structural and civil engineering, landscape architecture, and environmental graphics.



Southwest Value Partners

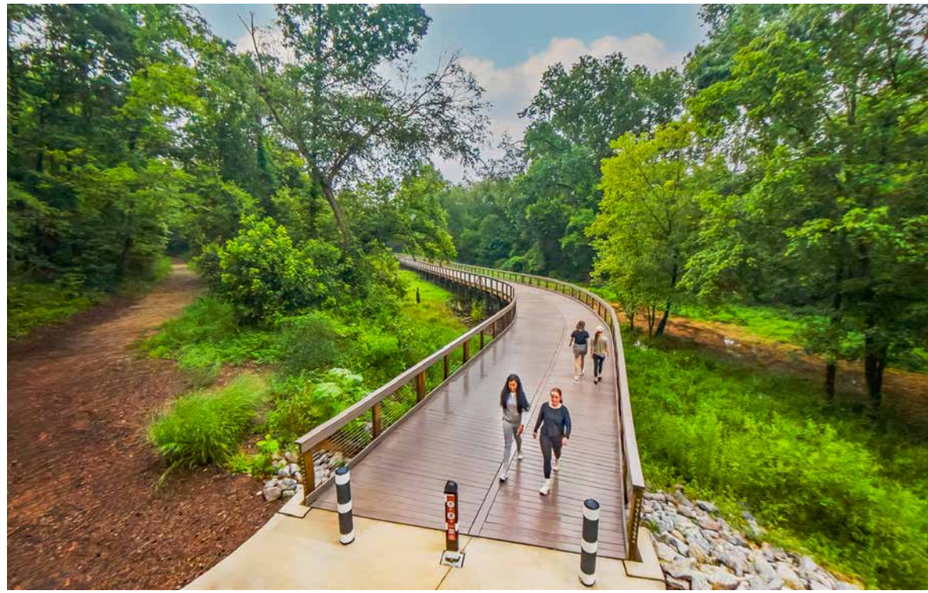
Ascension St. Thomas Landing
at Nashville Yards

Location
Nashville, TN

Size
19 Acres Total
7 Acres Open Public Space
within Development

Services
Architecture
Interior Design
Landscape Architecture
Master Planning

The development of a master plan for Nashville Yards required thoughtful planning and creativity. This former railyard, now a mixed-use development, was rich in history and offered opportunities to enhance Nashville. The main challenges included improving pedestrian connectivity and experience, introducing significant building density and vehicular traffic, and ensuring the site was technologically advanced and environmentally friendly. The plan cleverly integrated remarkable buildings, a layered walkable environment and open green spaces to reconnect this underused land with the city. A publicly accessible park within the 7+ acres of open space will serve as a destination, supporting various programmed activities and linking experiences on each side of the Broadway viaduct. The plan has transformed the site into a walkable neighborhood at the heart of Music City, facilitating the second-largest real estate transaction in Nashville's history. Nashville Yards, with its blend of history and modernization, is set to revitalize the area, becoming a premier neighborhood for residents and visitors. This project officially opened October 2025.



Cobb County Department of Transportation

Chattahoochee RiverLands Trail
Pedestrian Improvements Phase 1

Location
Mableton, GA

Size
14 ft Wide Paved Shared-Use Trails
2.4 Miles Trails
6 ft Wide Paved and Unpaved Pedestrian Trails
8 ft Paved Bicycle Path

Services
Branded Environments
Engineering
Experiential Design
Landscape Architecture
Planning
Structural Engineering

Opened in 2024, the first phase of the Chattahoochee RiverLands in Cobb County, Georgia, offers a transformative connection to the river south of I-285, allowing residents and visitors to engage with nature in a meaningful new way. The 2.4-mile trail system includes 1.7 miles of paved multi-use paths and 0.7 miles of unpaved pedestrian-only sections. Designed for accessibility and variety, the project features 14-foot-wide shared-use trails—some divided into separate paths for bicycles and pedestrians—along with 6-foot-wide paved and unpaved footpaths. Elevated boardwalks support movement across wetlands and stormwater features, while two bridges span Nickajack Creek and a smaller tributary. A scenic education nook overlooking the river encourages environmental learning. As a pilot project of the RiverLands Greenway Study, this phase sets a strong precedent for future eco-recreational development.

Piedmont Healthcare

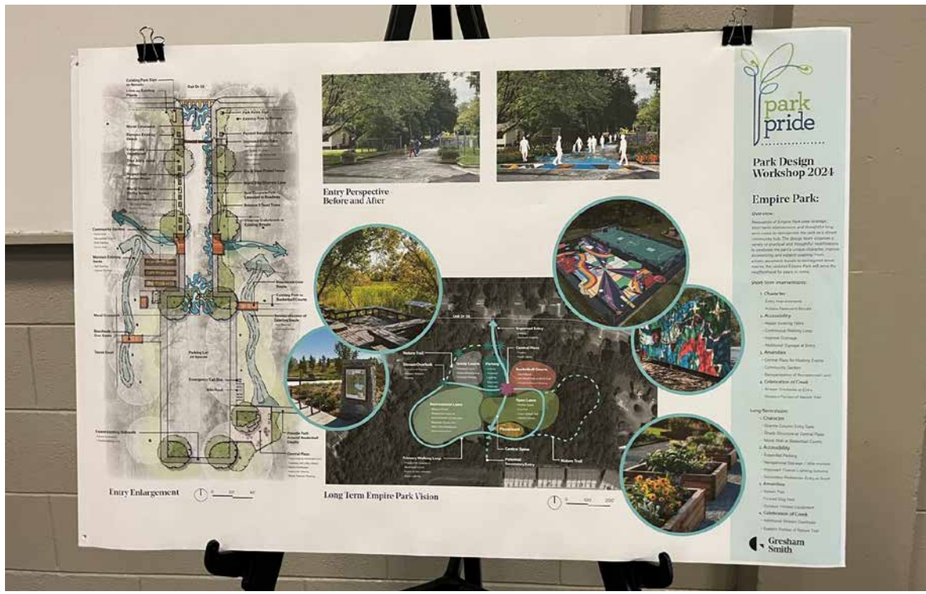
WaterHub at Piedmont Atlanta Hospital

Location
Atlanta, GA

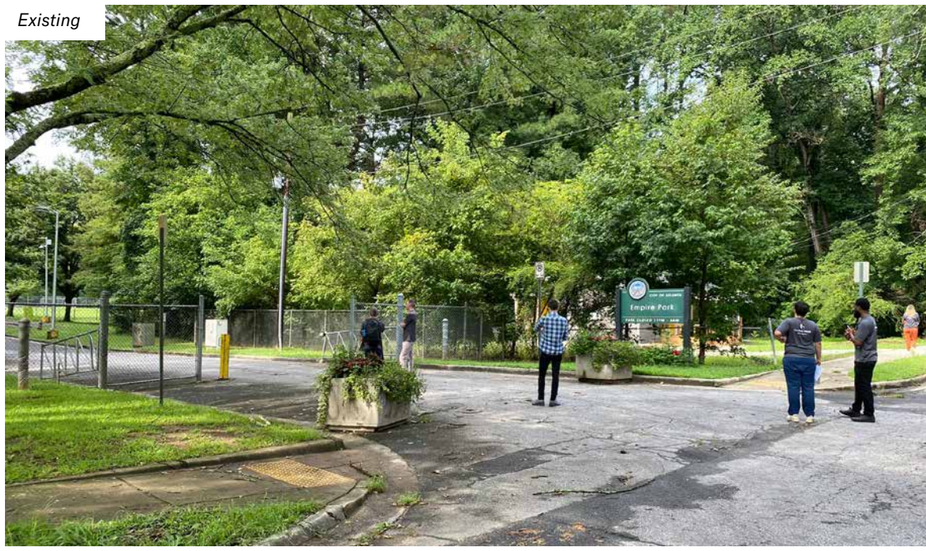
Size
3,850 sf

Services
Architecture
Commissioning
Construction Management
Modeling
Permitting
Process Engineering
Sustainability Services

The WaterHub® facility at Piedmont Hospital in Atlanta includes a highly treated reclaimed water for reuse at the hospital's two Central Utility plants (South Deck and Marcus Tower); and forecasted to save the hospital 40% in potable water consumption and 55% in wastewater discharge. Gresham Smith collaborated closely with Sustainable Water through the preliminary design phase to characterize the wastewater and model the process using BioWin software. Special consideration was given to hospital operations, such as disinfection measures, that could affect the biological treatment process. In order to confirm treatability of the wastewater, Gresham Smith collaborated with Sustainable Water on assessing the nitrification rate and potential for inhibition during treatment of the hospital waste flows with the proposed activated sludge/MBR process. The WaterHub® facility includes a building to house all the treatment tanks and process equipment, as well as office and laboratory space situated on a compact site at the southwestern corner of the hospital property adjacent to the Beltline. Gresham Smith conducted routine, weekly meetings with Sustainable Water and NextEra throughout the design process, for close collaboration engaging the entire multidiscipline team.



Existing



Park Pride Atlanta

Empire Park Entrance

Location
Atlanta, GA

Services
Public Engagement
Master Planning
Landscape Architecture
Civil Engineering

Working with Park Pride, Gresham Smith is redesigning the entrance and parking areas for the City of Atlanta's Empire Park to create an updated, welcoming experience. The 1960s park needs additional connectivity, minor improvements in amenities, and better management of stormwater to reduce standing water after rain events.

We are working with the client, the community, the Parks Department, and other City agencies to create surgical design updates that can be implemented quickly and on a budget, maintained by the Parks Department, and increase the use of the park by the surrounding neighbors.

ATLDOT

4065 Cheshire Bridge Road over CSX Railroad Emergency Bridge Repair

Location
Atlanta, GA

In 2023, a fire underneath the approach span of the Cheshire Bridge Road over the CSX Railroad severely damaged the bridge, leading to its closure to traffic. Gresham Smith was entrusted with several tasks: confirming the necessity of closing the bridge, devising alternatives to restore traffic flow promptly, and formulating emergency repair designs and plans. After careful evaluation of various options, the team decided to proceed with an alternative involving the removal of the damaged end span, followed by the installation of a cast-in-place retaining wall. Additionally, repairs were planned for the first interior bent adjacent to the proposed wall. The project necessitated extensive coordination among stakeholders, including the CSX railroad, the ATLDOT, CW Matthews contractor, the design team, and various utility owners. One of the initial challenges was expediting Right of Entry access to the CSX site, allowing surveyors to gather terrain models of the existing topography and pertinent bridge elements essential for final design. Despite starting with basic information from existing plans and initial site visits, the design team committed to delivering final plans within two weeks of receiving the survey data package.

GDOT Work

Gresham Smith serves as program manager for GDOT's $1B Traffic Operations and Safety program for nine years, expanding our scope from 100 to 650 projects, coordinating with multiple funding sources, local governments including the City of Atlanta, transit, railroads, and federal agencies. We also hold several design and maintenance contracts with GDOT.

Northside Drive at North Avenue

GDOT

Gresham Smith led the delivery for the intersection realignment project at Northside Drive, North Avenue and Lambert Street, a heavily traveled corridors in Atlanta. The project addressed longstanding congestion and safety challenges by consolidating three closely spaced, signalized intersections into a single, more efficient intersection. The new configuration simplifies traffic flow while improving safety and accessibility for all users.

In addition to traffic and safety improvements, the project includes pedestrian enhancements along the corridor. Curb, gutter, and sidewalk infrastructure were rebuilt along the east side of , the west side of SR 3 near Lambert Street, and the north side of the SR 8 westbound approach, improving connectivity and accessibility. The removal of the existing roadway connecting the former intersections further streamlines operations and supports the corridor's long-term performance.

Given the corridor's high visibility and heavy daily usage, robust public and stakeholder engagement was a key component of the project's success. Gresham Smith worked closely with city officials, local businesses, residents, and commuters to incorporate feedback into the design, ensuring the final solution balanced technical performance with community needs. By combining thoughtful design, coordinated stakeholder collaboration, and strategic project management, Gresham Smith delivered a safer, more efficient intersection that enhances mobility and supports continued growth in one of Atlanta's busiest areas.

10th Street at Northside Drive Intersection Improvements

GDOT

Gresham Smith provided comprehensive project management and design services for full signal upgrades at seven key intersections along 10th Street, including Northside Drive at 10th Street NW. Located within Atlanta's High Injury Network, this corridor experiences high volumes of pedestrian, bicycle, and vehicular traffic, making safety improvements a top priority. The project includes enhanced intersection signage, updated pavement markings, and installation of pedestrian and bicycle detection systems. Additional upgrades feature ADA-compliant curb ramps and accessible, audible pedestrian push buttons to improve mobility and accessibility for all users. Together, these improvements support the City of Atlanta's broader goal to reduce traffic-related injuries and create a safer, multimodal transportation network.

City of Atlanta Work

Location
Atlanta, GA

Services
Inspection
Bridge Repair
Construction Services

Centennial Olympic Park Drive at State Farm Arena Bridge Repair

City of Atlanta

This project is a proposed Latex Modified Concrete (LMC) bridge deck overlay on the Centennial Olympic Park Drive Bridge over NS RR. The project limit will be from begin to end bridge with total of 30 spans and total bridge length of 2241'. The approach slab will also be evaluated, and repair recommendations will be made. This project is located within the city of Atlanta, next to the Mercedes Benz Stadium. The Scope of Services for this task order is related inspection, bridge repair bid documents and construction services for deck overlay of Centennial Olympic Park Drive Bridge over Norfolk Southern railroad.

Location
Atlanta, GA

Services
Inspection
Bridge Repair
Construction Services

MLK Jr. Drive Bridge Latex Modified Concrete Deck Overlay

City of Atlanta

In preparation of the World Cup, Gresham Smith is providing inspection, bridge repair documents and construction services for the deck overlay of MLK Bridge over Norfolk Southern railroad.

Monroe/Boulevard Complete Streets – Remaining Preliminary Through Final Design

City of Atlanta

Gresham Smith is leading this Safe Streets project which aims to improve safety and mobility along Boulevard Southeast, starting at Woodward Avenue to the intersection of McDonough Boulevard SE. The team is currently designing roadway plans that will implement a "road diet," repurposing the existing 4-lane roadway into a 2-lane corridor complete with bicycle and pedestrian facilities. The project includes restriping, flexible delineators and bollards, solar RRFBs, the installation of a pedestrian hybrid beacon, and signal upgrades at seven intersections. This corridor is in a residential district and immediately adjacent to Grant Park. Additionally, Gresham Smith is spearheading a significant public involvement effort and coordination with local stakeholders to ensure their desires included in the development of the design.

Joseph E. Lowery Boulevard Complete Streets Design

City of Atlanta

From the concept stage, Gresham Smith evaluated existing traffic conditions and expected future growth, developed a corridor vision including typical sections and lane use configurations, and prepared alternatives for all modes of travel. We worked with Renew Atlanta and gathered public input to determine the preferred corridor improvements that meet the needs of all users, councilmembers and the City while working with the City's project budget. The project consists of repurposing the existing pavement area for a travel lane in each direction and a two-way center turn lane. The project includes green infrastructure within the landscaped buffer, supplemental lighting, coordination with MARTA including enhanced bus stops, ADA sidewalk upgrades and realignment of Mayson Turner Road with Joseph E. Lowery.

North Avenue Complete Streets Design

City of Atlanta

As part of an infrastructure improvement program called Renew Atlanta, which supports the City of Atlanta's goal of making streets safe and inviting for all modes of transportation, the City called upon Gresham Smith to design complete streets in the southwest part of the city. The project was considered a catalyst for creating vibrant, livable neighborhoods and makes it easier for people to move around Atlanta, no matter their age, socioeconomic background or physical abilities.

Working closely with neighborhood residents and other stakeholders, our team transformed a one-mile segment of the North Avenue residential corridor into walkable, bikeable, transit-friendly neighborhood connector. Project elements include bike lanes, mid-block pedestrian crossings, upgraded pedestrian lighting and ADA-accessible sidewalks and ramps, as well as new street paving and striping and landscaped infiltration beds for stormwater runoff. The North Avenue project connects residents from the city's Freedom Park Trail to the Eastside Beltline Trail.

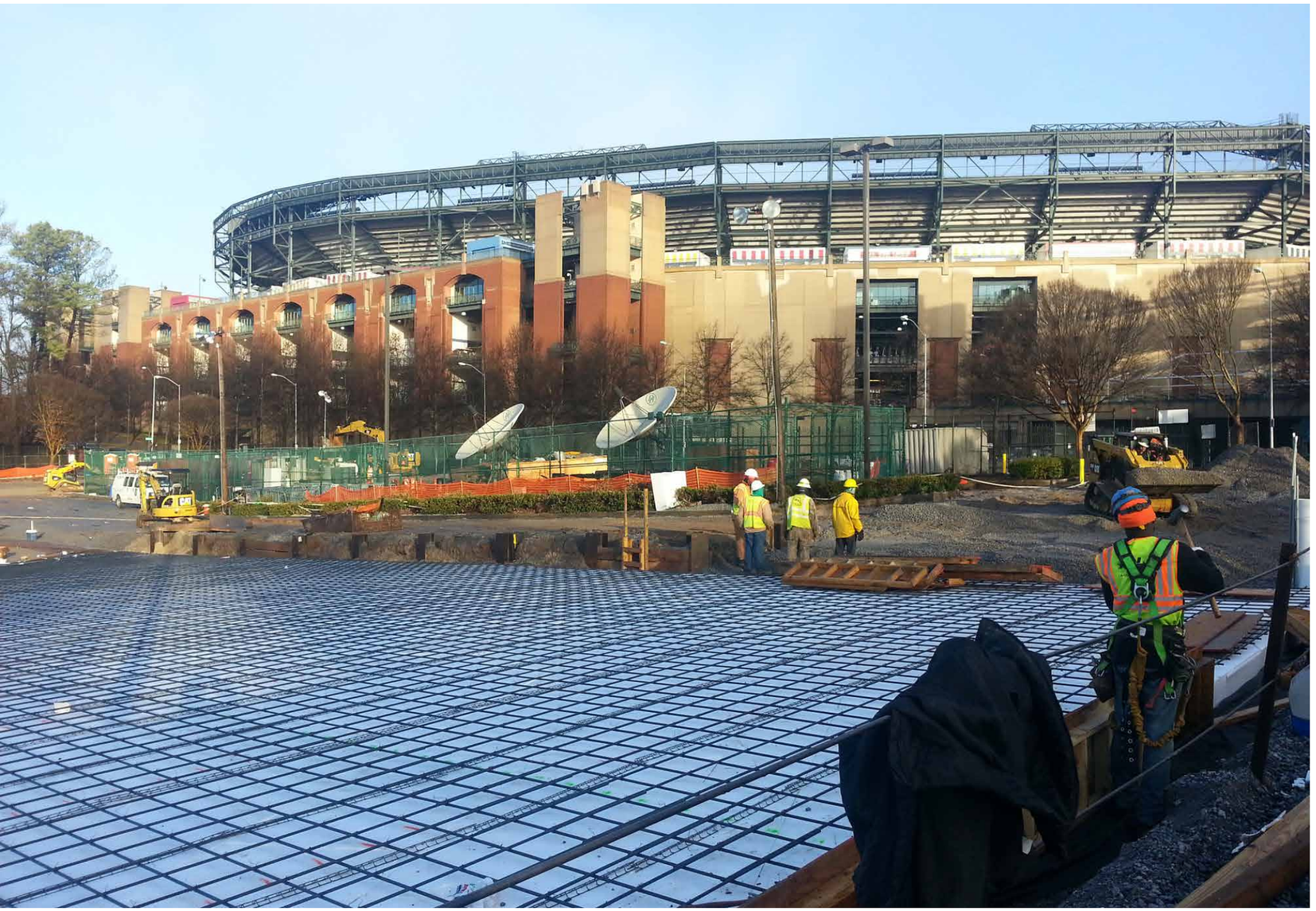
Southeast Atlanta Green Infrastructure Initiative

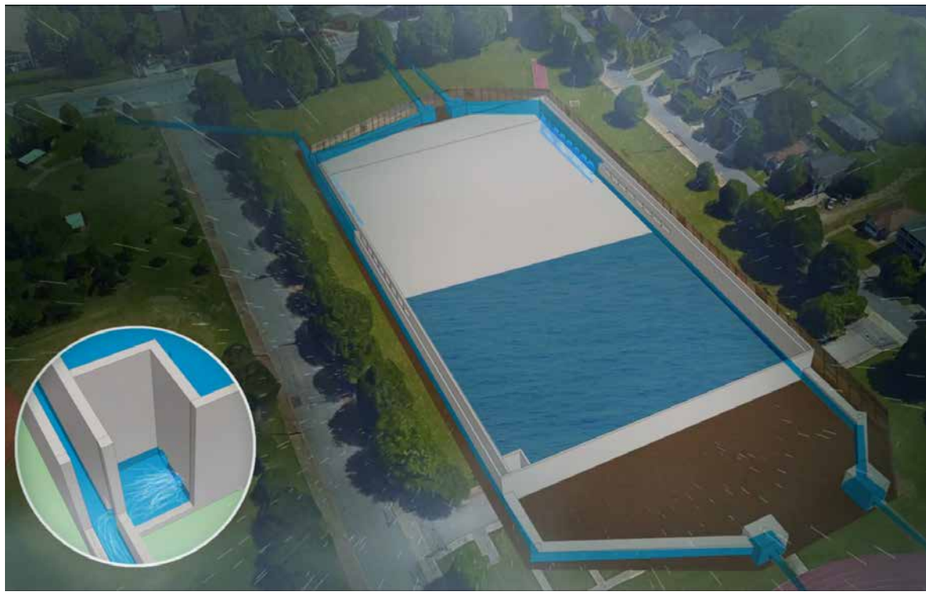
Phase I Permeable Pavers

Location
Atlanta, GA

Services
Construction Management
Environmental Engineering
Experiential Design
Hydraulic Modeling
Landscape Architecture
Water

To reduce localized flooding within two drainage basins in southeast Atlanta, the City of Atlanta Department of Watershed Management (DWM) engaged Gresham Smith through the JV team to work in cooperation with the City to help identify flood mitigation projects to reduce stormwater runoff. To mitigate stormwater runoff, BGR identified locations for various stormwater Best Management Practices (BMP's) to detain stormwater throughout the basins. Candidate BMP's consisted of a 6-mg underground storage vault, a large attractive retention basin/water feature near Turner Field, and the rehabilitation of approximately six miles of roadways with permeable pavers. Accordingly, these projects are intended to detain stormwater runoff before it enters the combined system, which will reduce and help the City manage peak flows.





Southeast Atlanta Green Infrastructure

Phase II B Turner Field Media Storage Lot

Location
Atlanta, GA

Size
5 MG EQ Storage Volume (Pre-cast)
7.8 MG EQ Storage Volume (Cast-in-place)

Services
Civil Engineering
Commissioning
Construction Management
Electrical Engineering
Hydraulic Modeling
Landscape Architecture
Planning
Process Engineering
Public Involvement/ Engagement
Structural Engineering
Sustainable Planning

One of 11 wet weather storage facilities consisting of underground storage vaults, wet detention facilities, or other green infrastructure BMPs, necessary to further reduce CSO related impacts for the City's system. The underground storage vault is beneath the existing media lot for Turner Field which is the home of Major League Baseball's Atlanta Braves.

This 5.5-mg storage vault is fed from a 12x12 existing CSO box culvert. The project was required to be constructed during the five month off season. Due to the accelerated schedule requirements, Gresham Smith led development of the alternative delivery package utilizing design-build delivery.

City of Roswell

East Alley Revitalization

Location
Roswell, GA

Services
Civil Engineering
Commissioning
Electrical Engineering
Landscape Architecture
Planning
Stormwater Management
Utility Coordination

With the City of Roswell striving to revitalize public spaces and transform them into places where people can stroll, shop and dine, the East Alley project transforms an alley into an inviting and functional streetscape, increasing economic and social vitality. Gresham Smith provided design and construction documents for elements including alley and sidewalk layout, earthwork and grading, permeable paver system, brick paver sidewalk system, pedestrian scale lighting, utility improvements and landscaping. Additionally, we provided utility coordination, a stormwater management plan and community outreach services. Our design draws on the themes of the East-West Alley Master Plan for a consistent appeal aiming to complement the surrounding business and community.

Gwinnett County Department of Water Resources

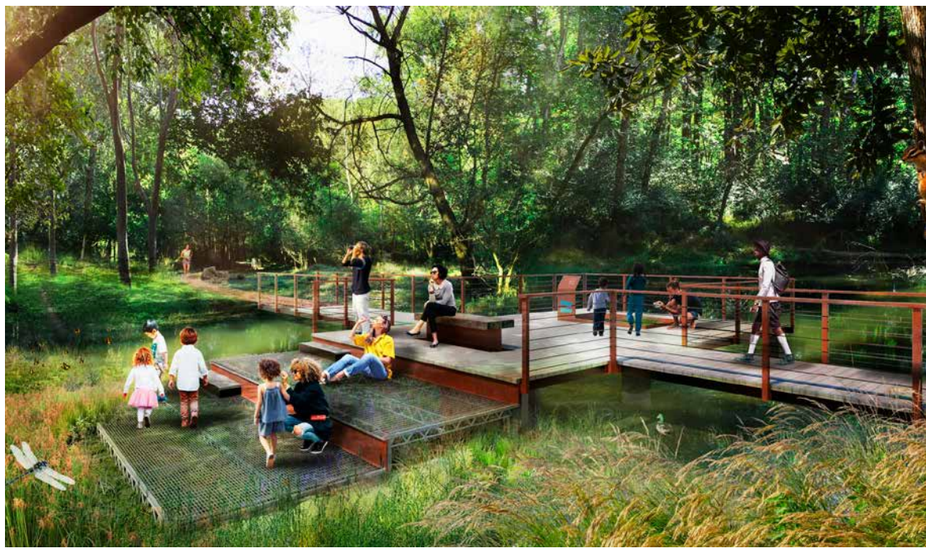
Water Tower Global Innovation Hub

Location
Lawrenceville, GA

Size
2,460 sf Lab Space
3 Floors
54,000 sf Total

Services
Architecture
Commissioning
Engineering
Experiential Design
Interior Design
Sustainability Services
Wastewater Management
Water

As one of the leading progressive utilities in the U.S., the Gwinnett County Department of Water Resources (GCDWR) has embarked on the development of a state-of-the-art incubator for innovation in water and wastewater resources management and applied research and development. Gresham Smith is the lead designer for the award-winning 54,000-square-foot Phase I building, known as The Water Tower. The mission of the Water Tower is to catalyze and coordinate applied research and proof-of-concept projects applying new water innovations to real needs. The center features wet and dry laboratory spaces and classrooms, as well as a research demonstration bay area that will provide outdoor space for researchers and vendors wishing to evaluate their systems and perform applied research using pilot systems fed by the process flows from the facility. Fed by multiple streams, the demonstration bay will enable water treatment and monitoring experimentation.



Atlanta Regional Commission

Chattahoochee RiverLands Greenway Study

Location
Atlanta, GA

Size
100 Miles

Services
Agency Coordination
Bridge Design
Conceptual Designs
Drainage Design
Landscape Architecture
Master Planning
Multimodal Planning
Permitting
Public Involvement/ Engagement
Structural Engineering
Transportation Planning

The Chattahoochee RiverLands is an ambitious, community-driven vision that seeks to reimagine Metro Atlanta's relationship with the Chattahoochee River by establishing inclusive public space along a 100-mile stretch from Buford Dam to Chattahoochee Bend State Park. Gresham Smith was the consultant team's primary local presence and lead planning firm. Our team was integral to every task carried out as part of the overall greenway study, from an exhaustive existing conditions analysis and literature review to ambitious and innovative community and stakeholder engagement. We assisted with the identification of potential alignment alternatives, development of potential demonstration sites, and contributed to implementation strategies focused on safety, accessibility and equity.

The plan serves broadly as a corridor master plan and proposes an inspiring and inclusive vision that identified potential greenway connections, directs greenspace development, promotes ecological sustainability and conservation, and guides investment within the study area.

Lexington-Fayette Urban County Government

Town Branch Commons

Location
Lexington, KY

Size
2.2 Miles Multimodal Trail

Services
Landscape Architecture
Civil Engineering
Multimodal Planning
Sustainable Design
Traffic Engineering
Transportation Engineering
Transportation Planning
Wayfinding Analysis, Planning, Design and Implementation

Gresham Smith was selected as the prime consultant to design and provide construction observation services for Town Branch Commons, a 2.2- mile multi-modal trail, greenway, and park system in downtown Lexington, Kentucky. The project is a perfect example of how Lexington's primary corridors can create safe, beautiful, and environmentally friendly public rights-of-way. Town Branch Commons traces the route of Town Branch Creek, the city's original water source that now runs under Lexington's streets. The greenway accommodates pedestrians and cyclists, connecting more than 22 continuous miles of protected bike and pedestrian paths.

Through this complete street project our team has implemented massive improvements to bicycle, pedestrian, transit and vehicular systems all while implementing a world class, ecologically minded public space system. In addition to improving connectivity and traffic, the greenway also introduces a number of environmental benefits and was recognized nationally in 2022 by the Federal Highway Administration for environmental excellence. The project incorporates green infrastructure such as urban rain gardens, stormwater-capturing green streets, pervious paving and educational signage.