Bus Maintenance Facilities
Among its honors, the GRTC Transit Company Bus Operations and Maintenance Facility was named Best of the Best in the Industrial Category by McGraw-Hill Construction.

GRTC Project Awards

- 2012 Pinnacle Award and the Grand Award in the Transportation Category, American Council of Engineering Companies of Virginia
- 2010 Best of the Best Award, Industrial Category, McGraw-Hill Construction
- Project of the Year Award, Best of 2010 in the Industrial Category, Mid-Atlantic Construction magazine
- Real Estate Stars 2010 Award, Best Industrial Project Category, Greater Richmond Association for Commercial Real Estate

Gannett Fleming has significant direct experience in the planning, design, and construction management of a variety of bus maintenance facilities. Since 1973, our experience has included the design of more than 100 bus facility projects, with a wide range of sizes, site configurations, and functional requirements.

Our planning and environmental documentation expertise assists in bringing bus maintenance facility projects to a Record of Decision (ROD).
Our approach to bus maintenance facility projects is based on combining sound planning and engineering with effective decision-making processes involving the client and regulatory agencies. We offer services that go beyond just designing facilities. We see the whole picture by providing services such as bus facility needs analysis, site assessment and evaluation, financing solutions, alternative project delivery options, new facility designs and/or renovations, program management (project controls), sustainable design/LEED® certification, and ongoing facility maintenance management.

Completed projects include:

- Master planning (including site selection)
- Programming
- LEED project design
- Facility architectural design
- Industrial engineering/equipment selection
- Industrial piping design
- Alternative fuel designs
- Civil/site development
- Water and wastewater engineering
- Structural system design
- Mechanical and electrical engineering
- Geotechnical engineering
- Fueling plans, including alternative fuels
- Program management (cost/schedule control)
- Construction inspection, administration and management
- Project close out and documentation
- Commissioning.
Gannett Fleming personnel are experienced in providing engineering design services for gasoline, diesel, and alternative fuel-powered bus vehicle maintenance and storage facilities. We are committed to providing high-quality and cost-effective engineering design solutions.

**Putting our Clients First**

Our primary focus on each and every project is client satisfaction. We meet the needs of our clients through innovation and creativity based in sound engineering practices. Our firm’s staff of professionals first establishes an understanding of client goals and objectives and then builds a strategy to achieve them.

**Alternative Delivery Methods**

Gannett Fleming has been involved with innovative contracting for more than 20 years. Along the way, we have gained tremendous experience in contractor teaming and construction-driven design.

Our professionals are experienced in and excel at developing efficient solutions in a variety of delivery methods, including Design-Bid-Build, Design-Build, and Construction Manager at Risk (CM@Risk). Our project teams understand the level of commitment necessary to be successful, thrive under accelerated schedules, and can manage change efficiently and effectively.
MTA’s Grand Avenue Bus Depot and Central Maintenance Facility achieved an Honor Award in the American Council of Engineering Companies Engineering Excellence Awards.

Our approach to successful projects includes:

- Listening and understanding client requirements and concerns
- Providing public involvement activities
- Preparing planning and environmental studies to reach a ROD
- Assembling a team of highly qualified professionals to meet requirements
- Providing strong project management that provides leadership of the team
- Keeping the client informed of our progress and coordinating all other involved parties
- Working within client budgetary and cost constraints
- Providing an uncompromising commitment to quality control through ISO 9001:2008 certification.

Understanding the client’s needs is critical in producing the most cost-effective, quality product. We pride ourselves on our flexibility to work with a wide range of clients on many types of diverse engineering projects. With 100 years of experience, Gannett Fleming can help identify and develop innovative solutions to address your project needs.

Grand Avenue Project Awards

- Honor Award in the American Council of Engineering Companies (ACEC) Engineering Excellence Awards
- Diamond Award for Engineering Excellence, ACEC New York
- Award of Merit in the Best of 2008 Public Works Category, New York Construction magazine
Alternative Fuel Studies and Facility Design

When it comes to planning and designing maintenance and service facilities for compressed natural gas (CNG) fuel vehicles, Gannett Fleming delivers. We have designed specialized ancillary facilities, such as services buildings for fueling and cleaning CNG vehicles, in addition to providing services during their construction, equipment procurement, and acceptance testing phases. All of this requires knowledge of CNG and its fueling system layouts.

We assisted the U.S. Department of Transportation and the Federal Transit Administration in developing a clean air program – Design Guidelines for Bus Transit Systems Using Compressed Natural Gas as an Alternative Fuel. Our personnel are aware of the latest available equipment for fueling vehicles and are familiar with National Fire Protection Association, local, state, and national codes.

Our firm has the depth of staff and breadth of experience to provide our clients with integrated services on projects of any size. The diverse expertise of our staff allows us to draw upon specialized personnel to meet unique project requirements.
Professional Services
Gannett Fleming provides professional services for vehicle maintenance, fueling, and transit facilities in the following areas:

- CNG fueling station design
- Transit facility CNG design
- CNG code compliance assessments
- CNG fueling station feasibility studies
- Permitting
- Co-generation plant design and landfill gas use
- Natural gas pipeline design and engineering
- Existing systems rehabilitation recommendations
- Existing facilities expansion feasibility
- Environmental services
- Hazardous substance clean-up
- Site planning and design
- Energy utilization and conservation
- Preparation of plans, specifications, and contract documents
- Cost estimating and scheduling
- Bid proposals evaluation and recommendation
- Construction management and inspection
- Project administration and other agencies’ liaison
- Coordination with authorities having jurisdiction
- Grant writing assistance.

CNG Team
At Gannett Fleming, our team of highly trained and experienced professionals will ensure your project is completed on time and on budget. We are skilled in transportation and planning and continue to extend our knowledge base with training and on site experience. The Gannett Fleming CNG team has 19 Natural Gas Vehicle Institute (NGVi) trained personnel in CNG fueling station design. This alone sets us apart from our competition. The personnel come from a variety of disciplines including: mechanical, electrical, structural, industrial, fire protection/plumbing, transit, and construction management. This enables the whole team to understand the design and construction of a CNG fueling station.

Our CNG Team offers a one-stop-shop for taking your CNG project from the drawing board to having a positive impact on your bottom line. From planning and design, through construction management and implementation, our team has the capability and capacity to make your transition to CNG as painless and timely as possible, so that you realize the return on your investment sooner. With Gannett Fleming on your team, we do our job, so that you can focus on doing yours.
Representative Bus Maintenance Facility Transit Clients

- MTA New York City Transit
- Lowell Regional Transit Authority
- Massachusetts Bay Transportation Authority
- New Jersey Transit
- Delaware Transit Corporation
- Southeastern Pennsylvania Transportation Authority
- Lehigh and Northampton Transportation Authority
- Endless Mountain Transportation Authority
- River Valley Transit
- Maryland Transit Administration
- Greater Richmond Transit Company
- New York City Department of Transportation
- Connecticut Department of Transportation
- Chicago Transit Authority
- Greater Cleveland Regional Transit Authority
- Central Ohio Transit Authority
- Broward County Transit Authority
- San Francisco Municipal Railway
- Modesto Area Transit
- Pierce Transit
- Utah Transit Authority
- Navajo Transit System
- City of Phoenix Public Transit Department
- Northern Arizona Intergovernmental Public Transportation Agency
- City of Albuquerque Transit Department
- Regional Transportation Commission of Southern Nevada
- Orange County Transportation Authority
- Los Angeles County Metropolitan Transportation Authority
- Culver City
- City of Santa Rosa Department of Transit and Parking
- City of Novato/Golden Gate Transit
- County of Tulare Transit
- Golden Empire Transit
- Victor Valley Transit Authority
- Santa Clara Valley Transportation Authority
- San Joaquin Regional Transit District
- Santa Cruz Metropolitan Transit District
- San Diego Transit Authority
- North County Transit District
- Salem Area Transit
- Yolo County Transportation District
- City and County of Honolulu
- Toronto Transit Commission
- Calgary Transit
- Greyhound Lines, Inc.


Cover photographs:
(top) Bus Operations and Maintenance Facility GRTC Transit System
(left) Pearl City Maintenance Complex for the City and County of Honolulu
(right) Lehigh and Northampton Transportation Authority Bus Operations and Maintenance Facility