

WMATA Small Business Programs Office

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# Meet the Primes Event

June 28<sup>th</sup> 2022





# About HNTB

HNTB has more than 67 office locations nationwide, staffed with nearly 5,000 engineers, architects, planners and other business professionals.





# About HNTB

Our ideals have sustained us for more than 100 years.

Our vision, philosophy and culture describe the firm's heritage, essence of success and are the principles that we live everyday.

The key to our philosophy is that we are stronger as a team than we are as individuals.

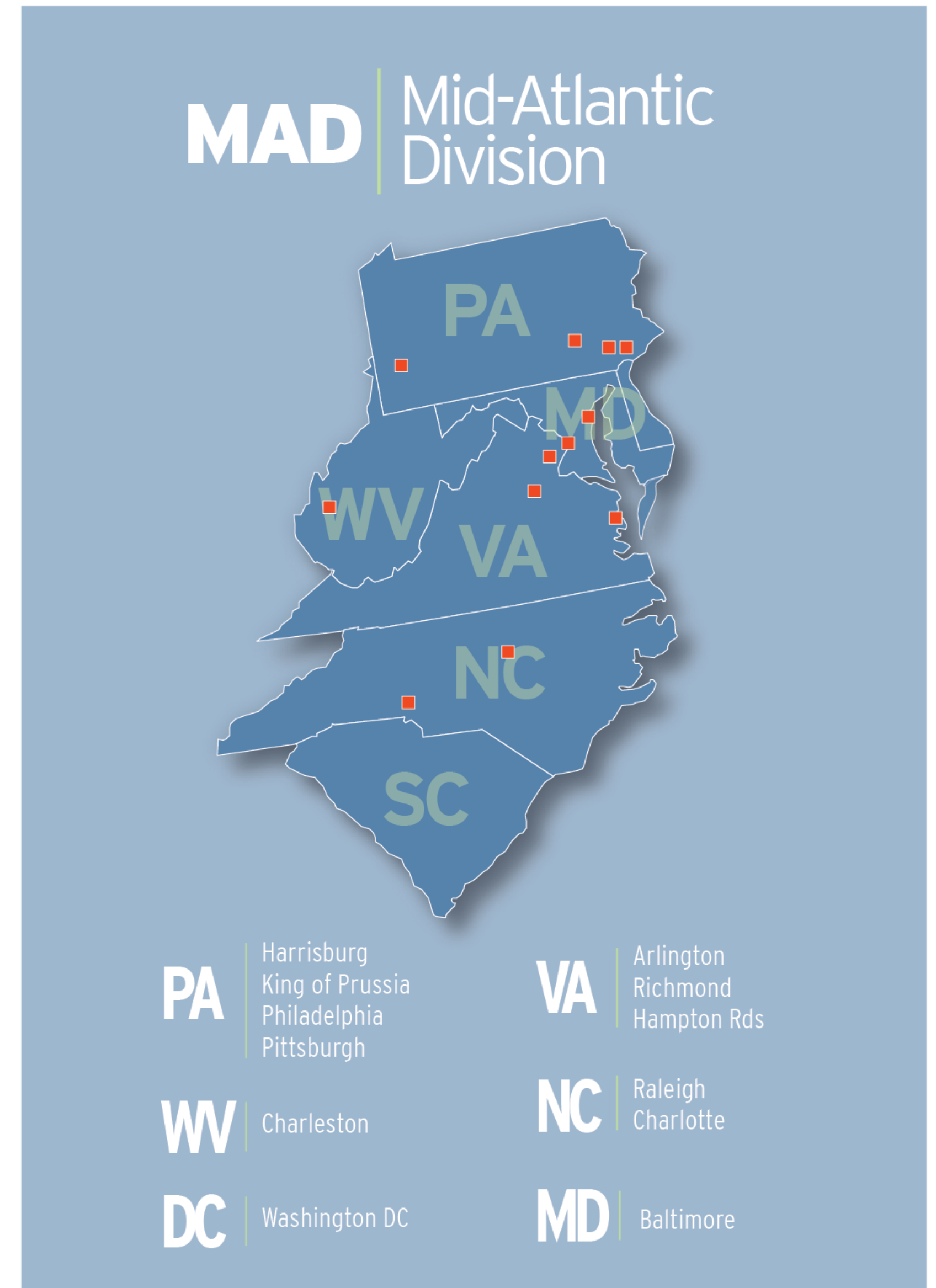
- Take personal responsibility for making success happen
- Expect more of yourself in everything you do
- Discover what is really important in any situation
- Collaborate for the benefit of everyone
- Build relationships





# Local Offices

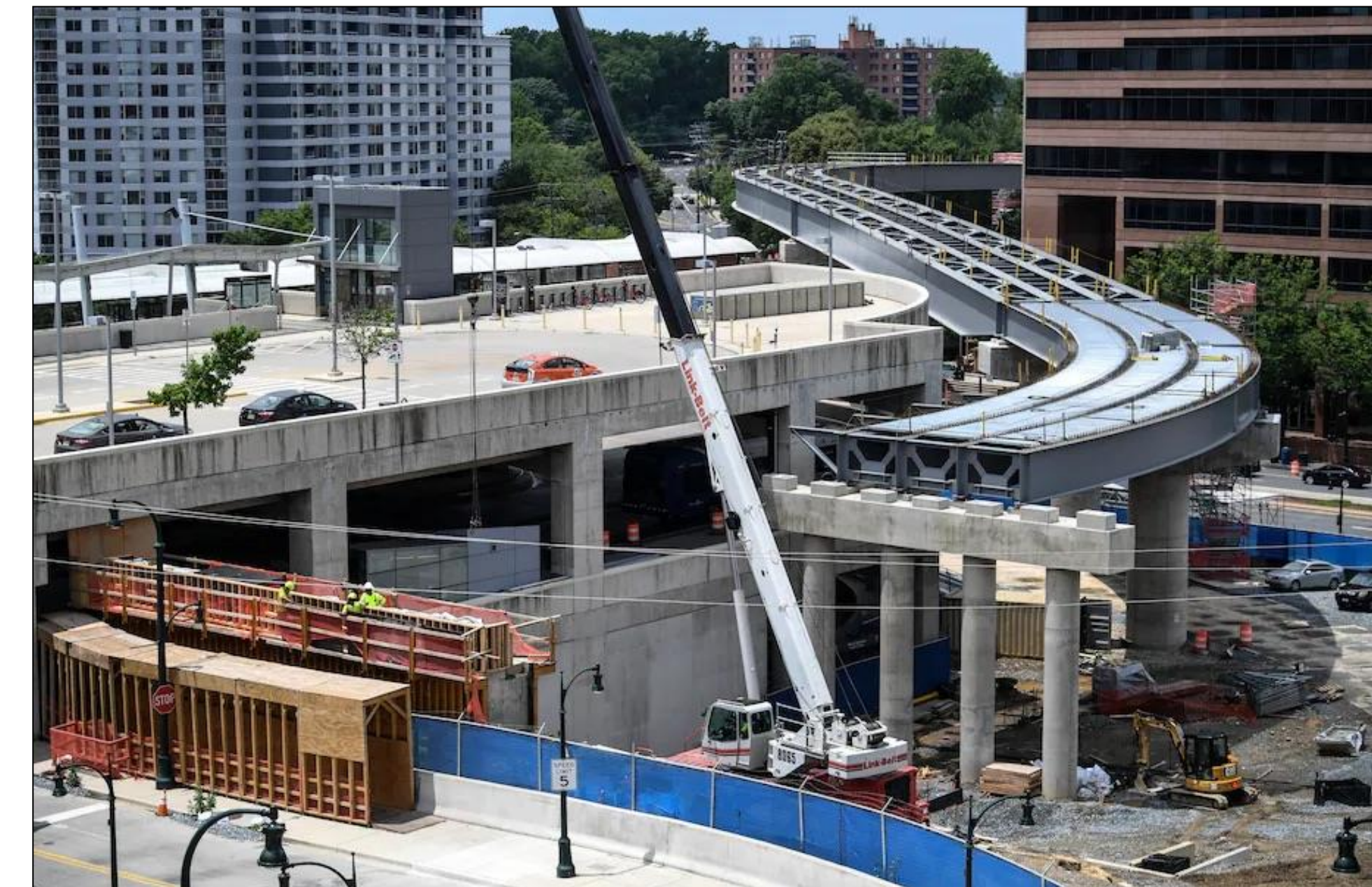
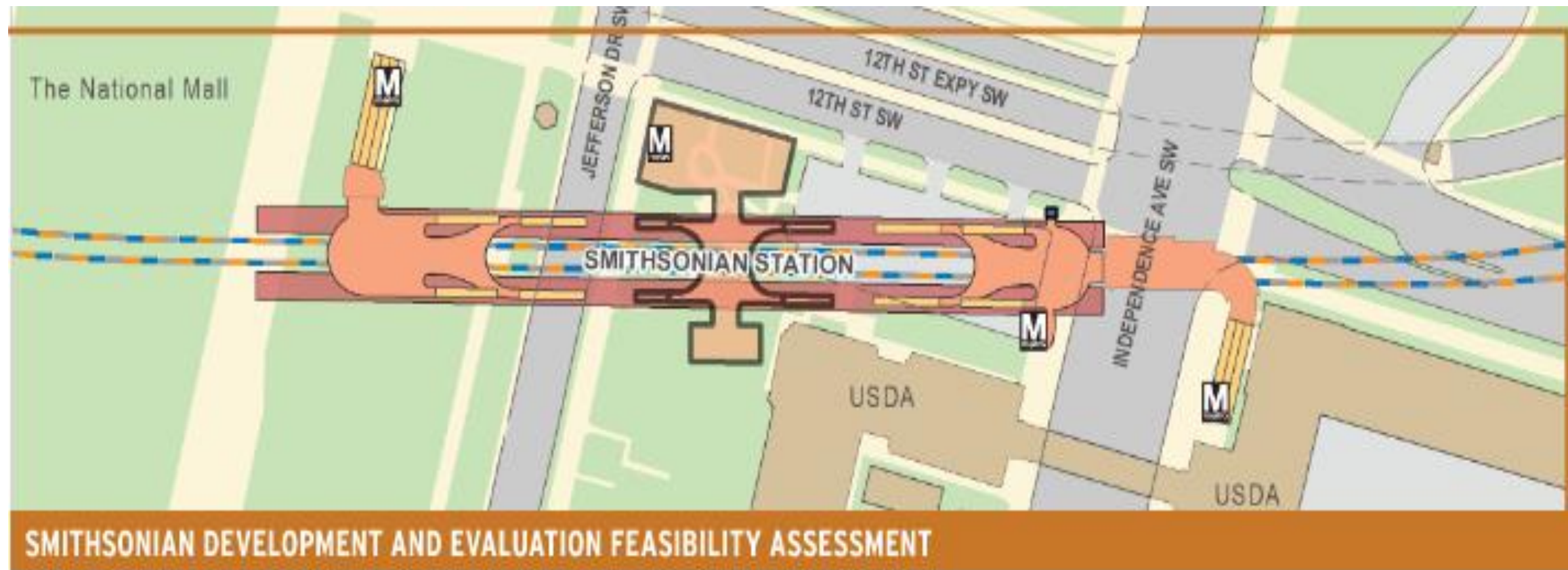
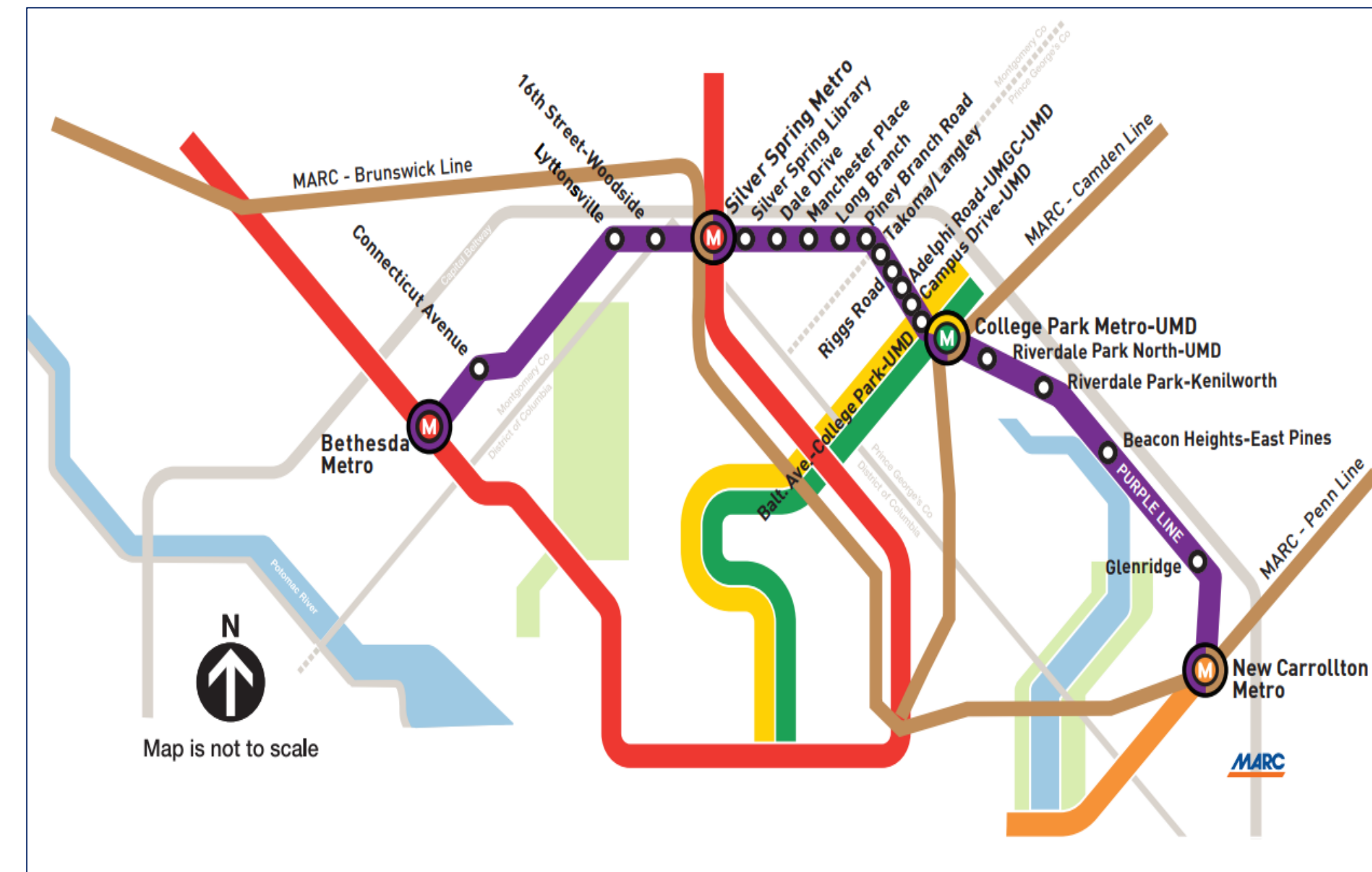
- 600 Staff in the Mid-Atlantic
- Transit/Rail Services Include:
  - Planning
  - Stations
  - Infrastructure
  - Yards and Facilities
  - Rail Systems
  - Procurement
  - Program Management
  - Construction Inspection
  - Construction Management





# Transit Contracts

- FQ18033 PMCM IDIQ
- FQ15190 General Planning IDIQ
- C20102 Long Range Planning  
(Corridor Planning & Service Analysis)
- Purple Line





# The Team You Know and Trust



**Diana Mendes**  
Corporate President



**Joseph Fazio**  
Vice President



**Henrika Buchanan**  
Vice President



**Angela Jones**  
Principal Planner



**John Daza**  
Associate Vice President



**Christine Clough**  
Deputy Program Manager



**Robben Baptiste**  
Deputy Program Manager





# Our Commitment



# HNTB is Committed to Inclusion, Diversity and Equity



## Inclusion, Diversity and Equity Philosophy

**Respect for others** is part of our culture and a foundation of the HNTB Vision. In addition, our Leadership Characteristics include **empathy**, being sensitive to others' views; demonstrating **courage**, meaning that we keep words and actions free from bias, prejudice or malice; being **trusted**, meaning that we act at all times with integrity and explicitly avoid deception, duplicity or degrading behaviors; and taking **personal accountability** to follow through on commitments. These behaviors and others that are expressed in our Vision and Leadership Characteristics are fundamental to HNTB and how we conduct our business.

Diversity of age, culture, gender identity, race, ethnicity, sexual orientation, religion, experience, thought, unique perspectives and other factors is valued, welcomed at HNTB and makes us better. An inclusive environment in which all perspectives are intentionally considered results in value for our firm, clients and the communities we serve.

HNTB is committed to the continual improvement of an inclusive, diverse and equitable workplace where all employees have opportunities and support to succeed and grow. HNTB provides a meaningful and welcoming learning environment that values, respects and honors everyone.

Taking **personal responsibility for making success happen** is an important element of our Vision. In addition to living our Vision and exhibiting our Leadership Characteristics, each of us has a personal role and shared responsibility for contributing to our culture of inclusion, diversity and equity. Therefore, we all must commit to take positive actions toward making HNTB the leader in these areas.

Updated May 2021

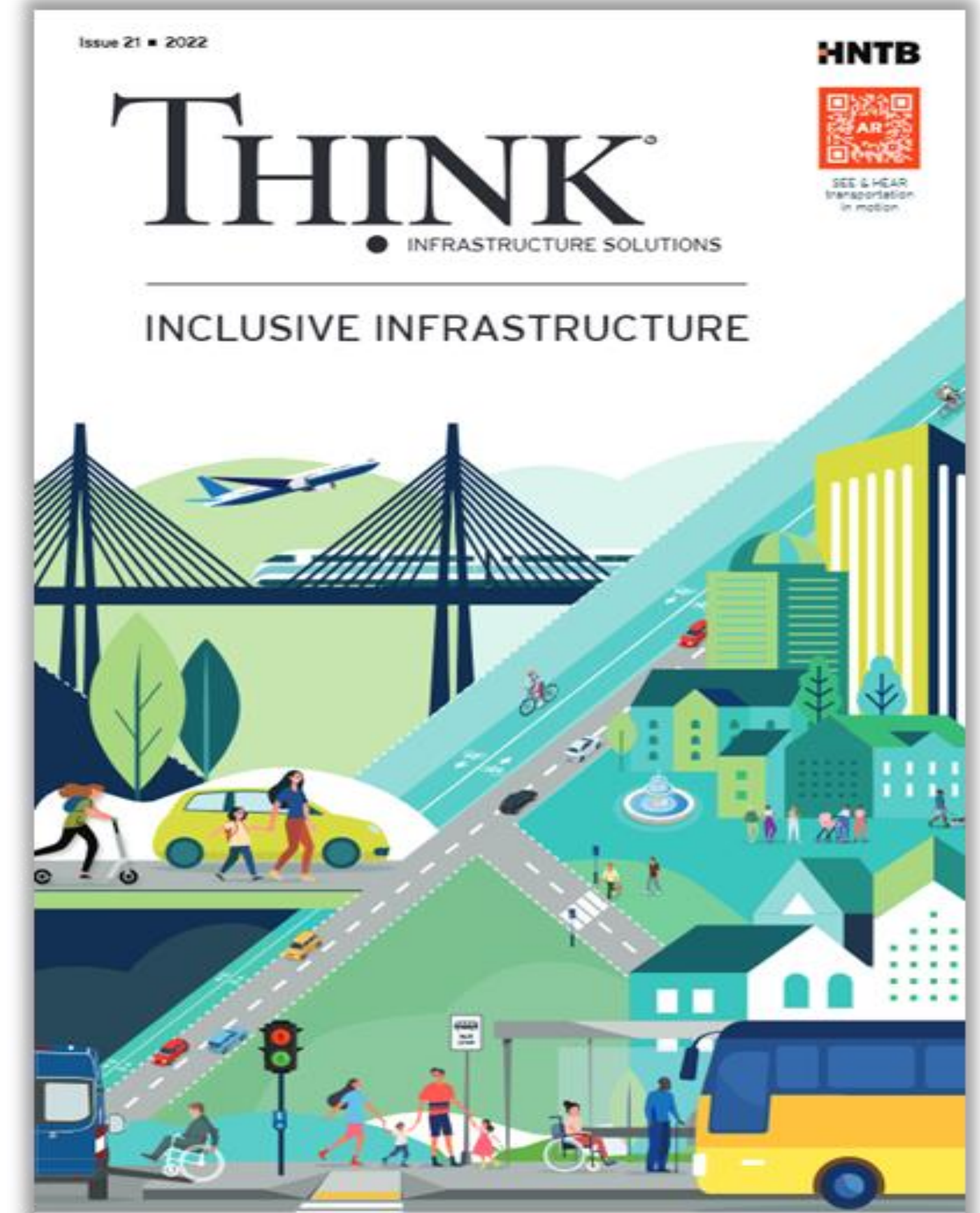
© 2021 HNTB Companies

## Environmental, Social and Governance:

Our Sustainability Commitment



The HNTB Companies  
Infrastructure Solutions





# Advancing Equity Requires Intentional, Focused Commitment





# Partnerships and Sponsorships

## HNTB Partners with APTA to develop roadmap for advancing racial equity in transportation

Firm's experience in promoting equity informed two-year pilot program.



## HNTB sponsors newly formed Equity in Infrastructure Project



EQUITY IN  
INFRASTRUCTURE  
PROJECT

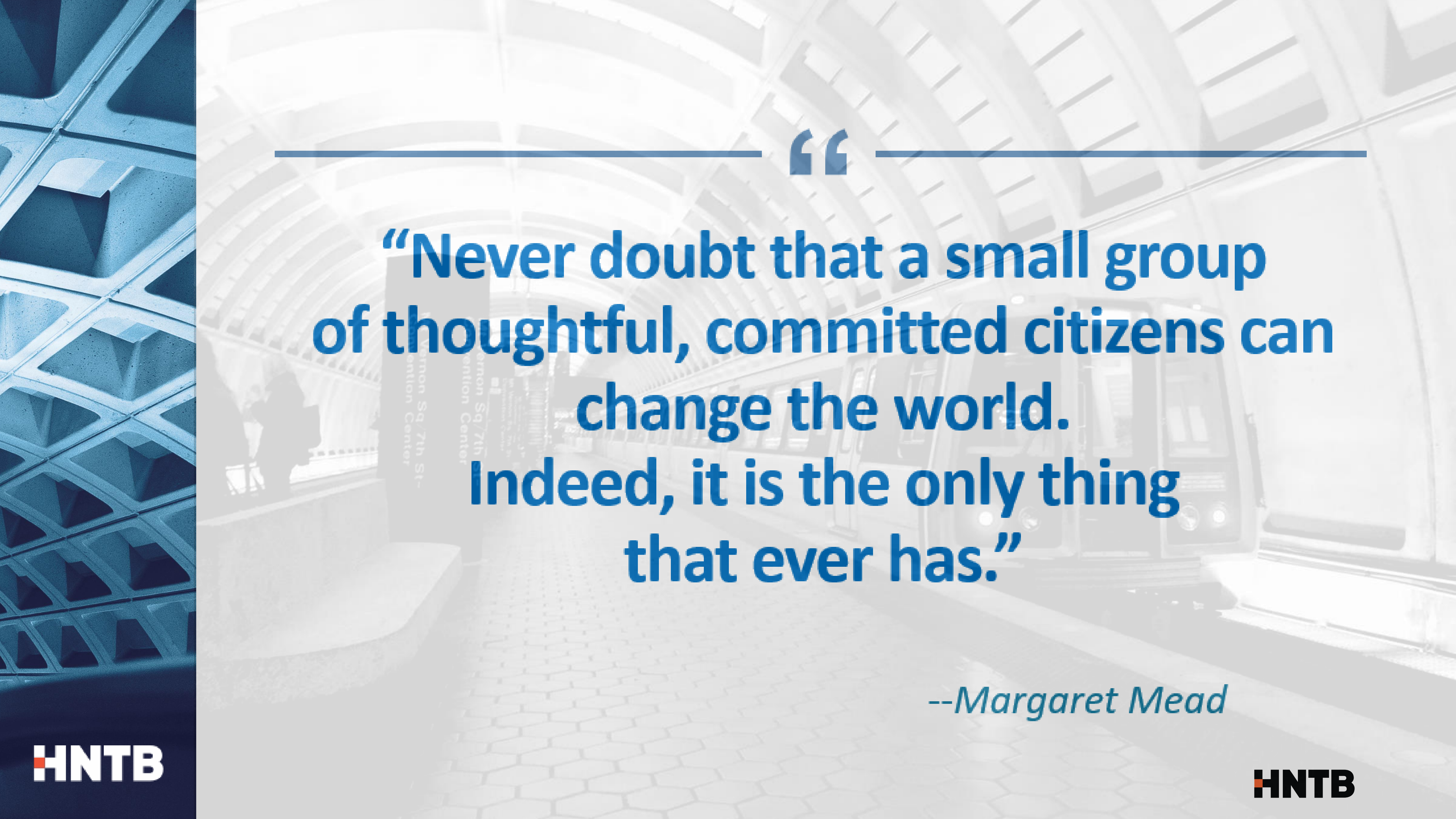


### It's Not Just What We Build. It's Who Builds It.

Join public agencies across the country committed to increasing the number, size and proportion of contracts going to Historically Underutilized Businesses (HUBs\*) in the infrastructure space.

Take the Pledge





“Never doubt that a small group  
of thoughtful, committed citizens can  
change the world.  
Indeed, it is the only thing  
that ever has.”

*--Margaret Mead*

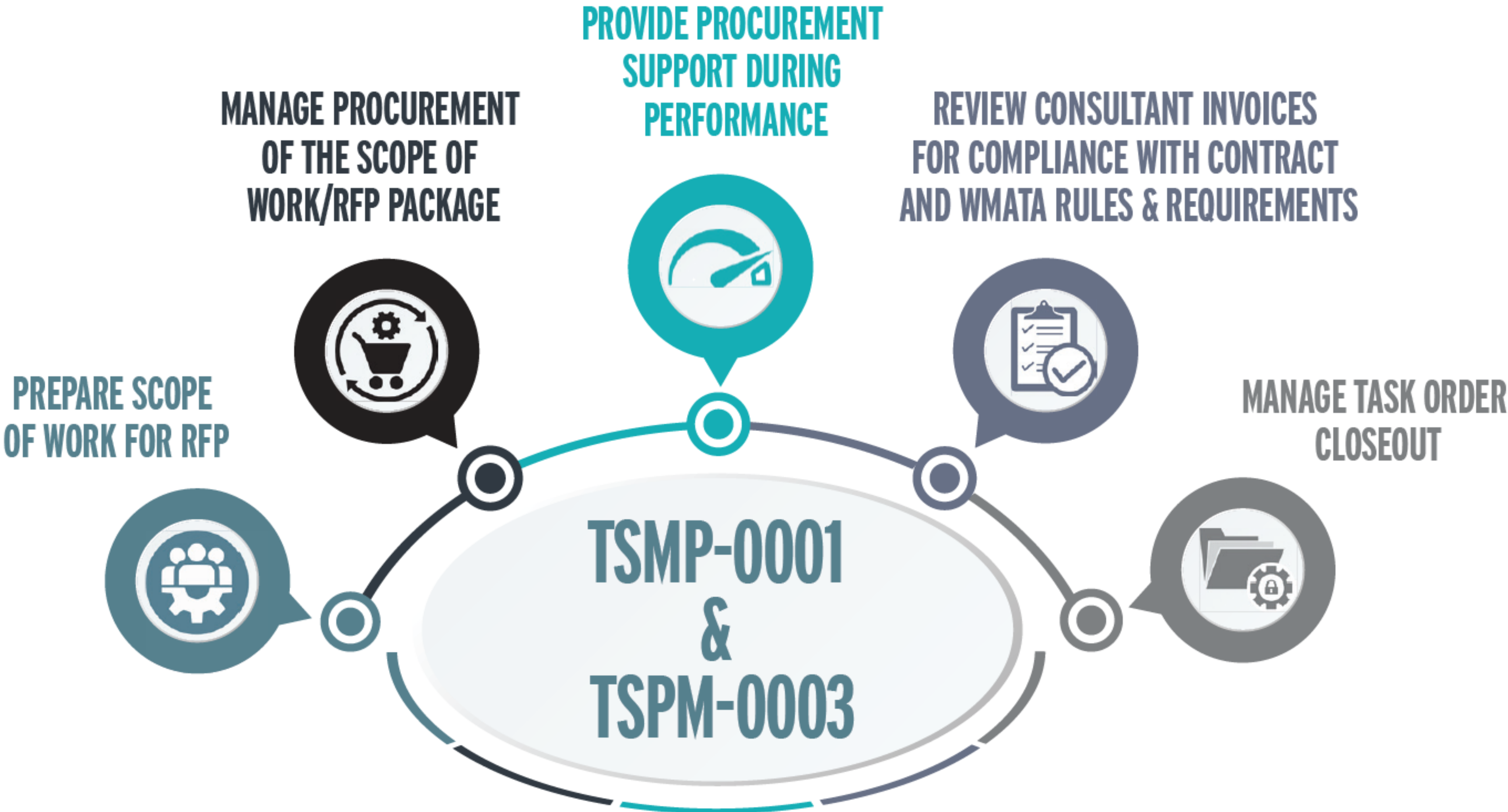




# WMATA & HNTB Partnership



# Our DBE Partnerships With WMATA





# Our DBE Partnerships With WMATA

## MCAP-0006: Client-Focused Value

- Prepare Procurement Packages
- Scope Support and Project Development
- Fill Gaps in Procurement Packages
- Award Procurement Packages
- Meet the client's needs
- Be flexible and adaptable
- Understand and fulfill the client's overarching objectives
- Focus on strategic value
- Prioritize staff with integrity, who are team players





# Our DBE Partnerships With WMATA

## TSPM-0001/003 & MCAP-0006 Roles

Contract Administrators\*

Cost Estimators\*

Document Control Specialists\*

Engineers

Invoice Reviewers\*

QA/QC Manager

Program Managers

Project Control Specialists\*

Project Managers

Scheduler\*

Scope Writers

Subject Matter Experts

Task Leads\*

Technical Integrators

\*Partially or fully staffed by DBE partner firms





# Business Process and FTA Compliance



## Federal Transit Administration WMATA Procurement System Review

- WMATA chose HNTB to manage the PM/CM contracts, including the development of procurement processes that would withstand future audits
  - No findings during Follow-up Procurement System Review in December 2019
  - Over 120 Task Orders (\$500 million) have been awarded using the HNTB TOM Workflow Processes with zero (0) claims associated with any of the HNTB-led procurements
  - Identified business process opportunities for improvement through lessons learned and SME review of current practices.

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Our goal is to prepare  
Metro for  
Sustained Success  
through:  
Documenting  
Opportunities,  
Training Staff and  
Transferring  
Knowledge

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# Business Process and FTA Compliance



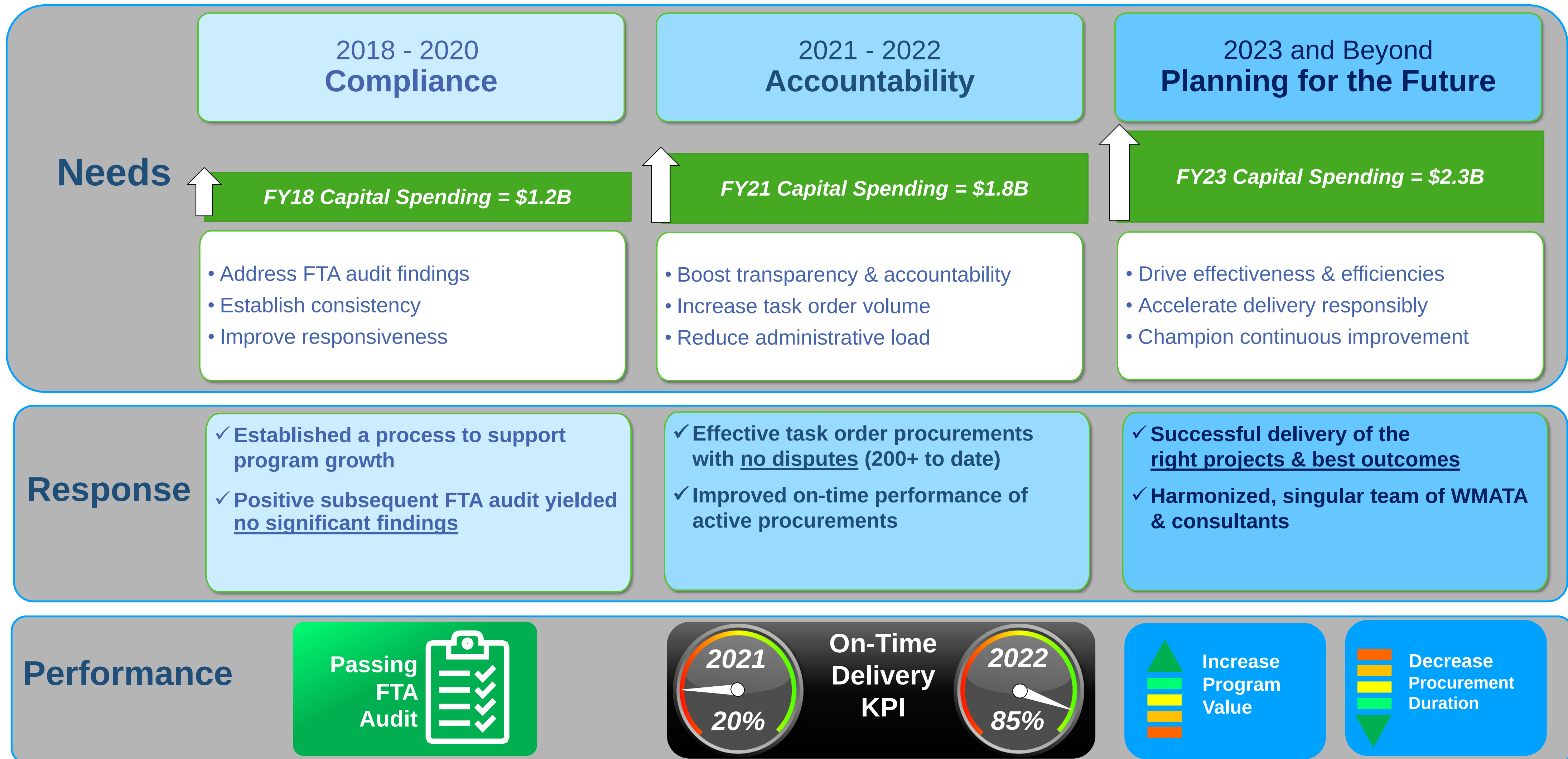
## *TASK ORDER MANAGEMENT*

Together with WMATA and our DBE Partners, we have established a process to support the continued growth of the capital program

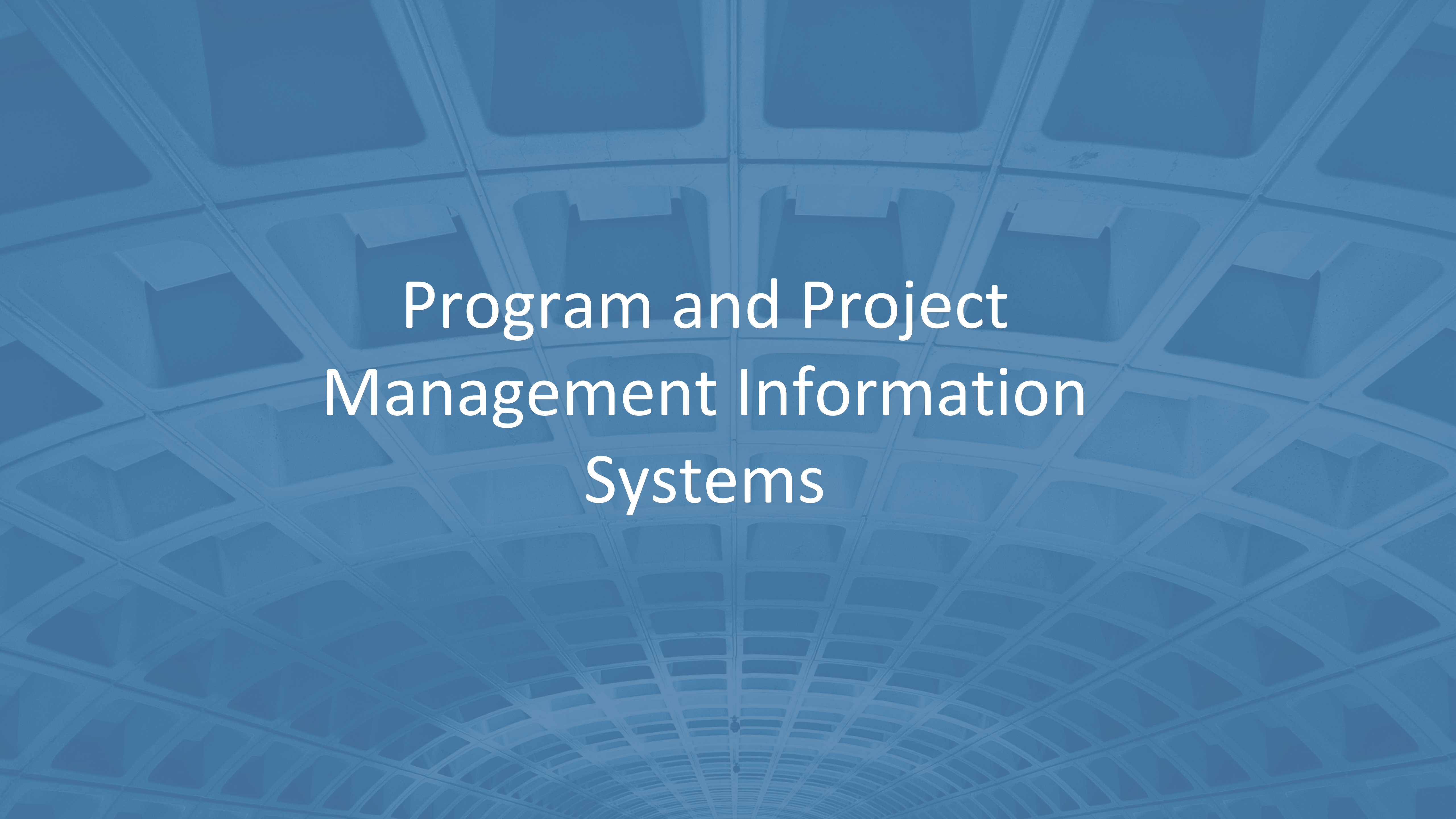




# Business Process and FTA Compliance



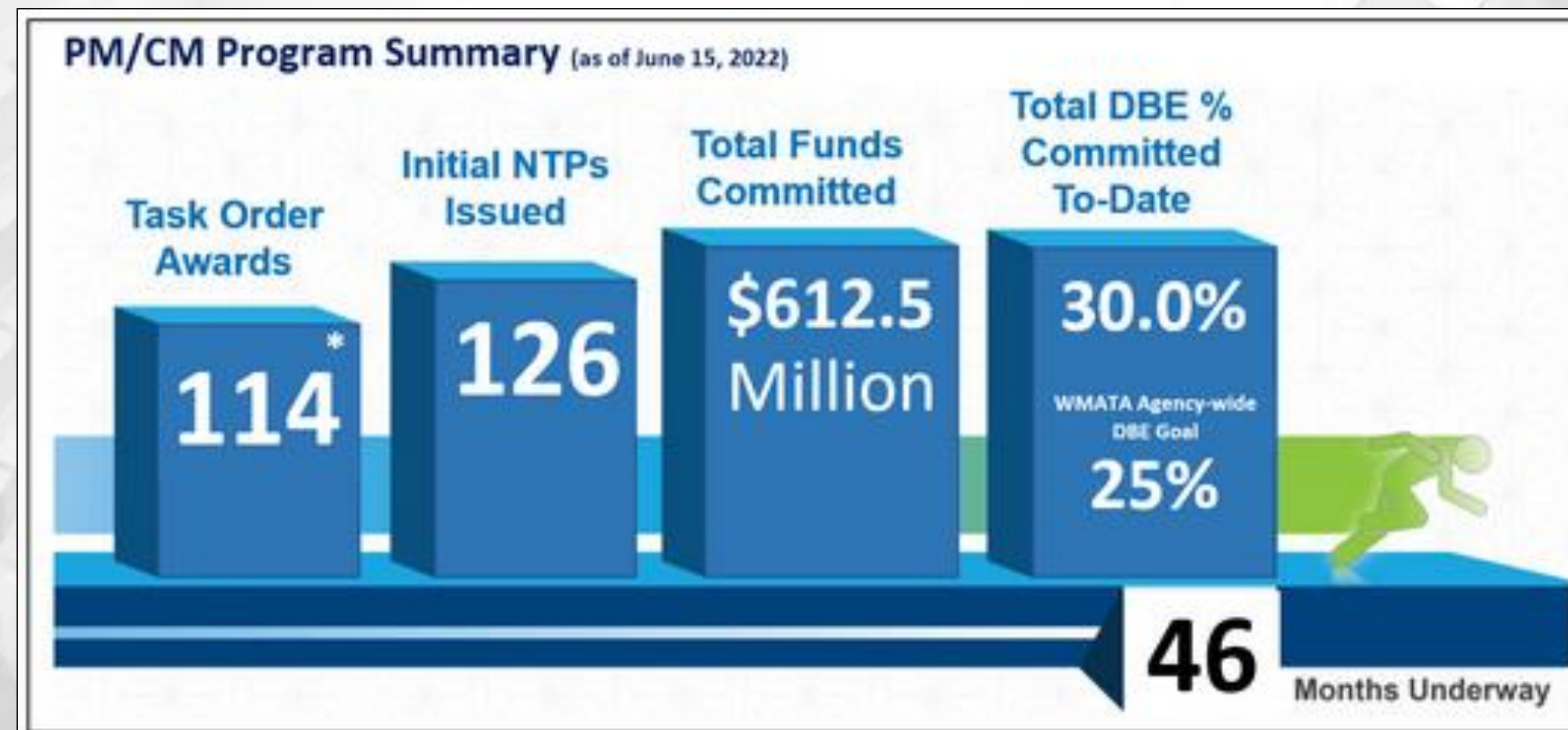




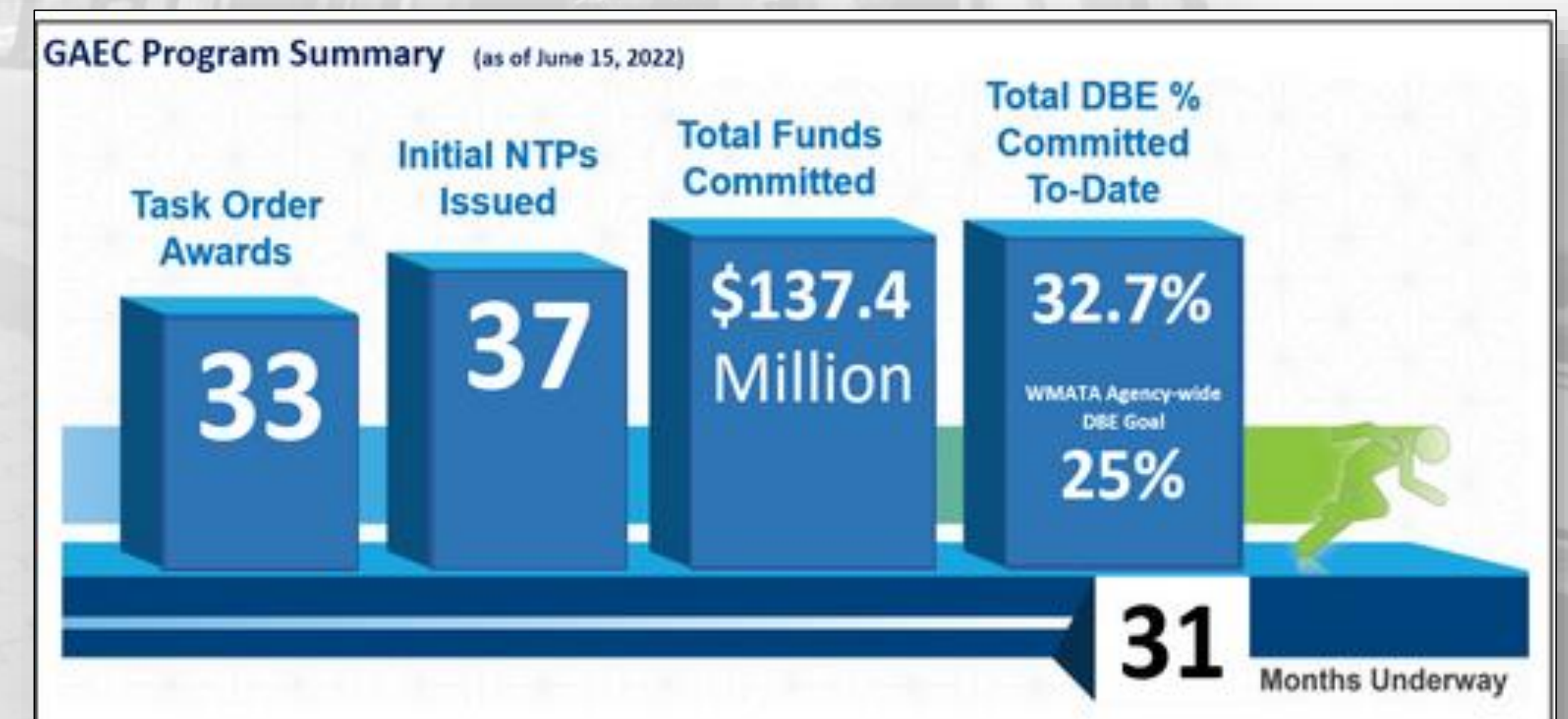
# Program and Project Management Information Systems



# Program Information & Overview

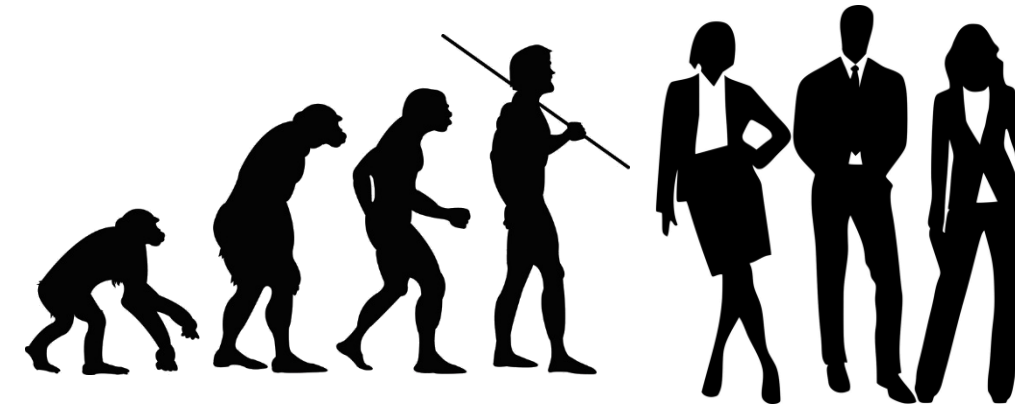


- 150+ Task Orders Awarded in about 3 Years
  - \$800 Million Committed Funds
  - 31% Average DBE Commitment





# Integrated Systems



A sophisticated PMIS has allowed CIMO & Metro to expand

Increased capabilities allowing for analytics and data driven decisions

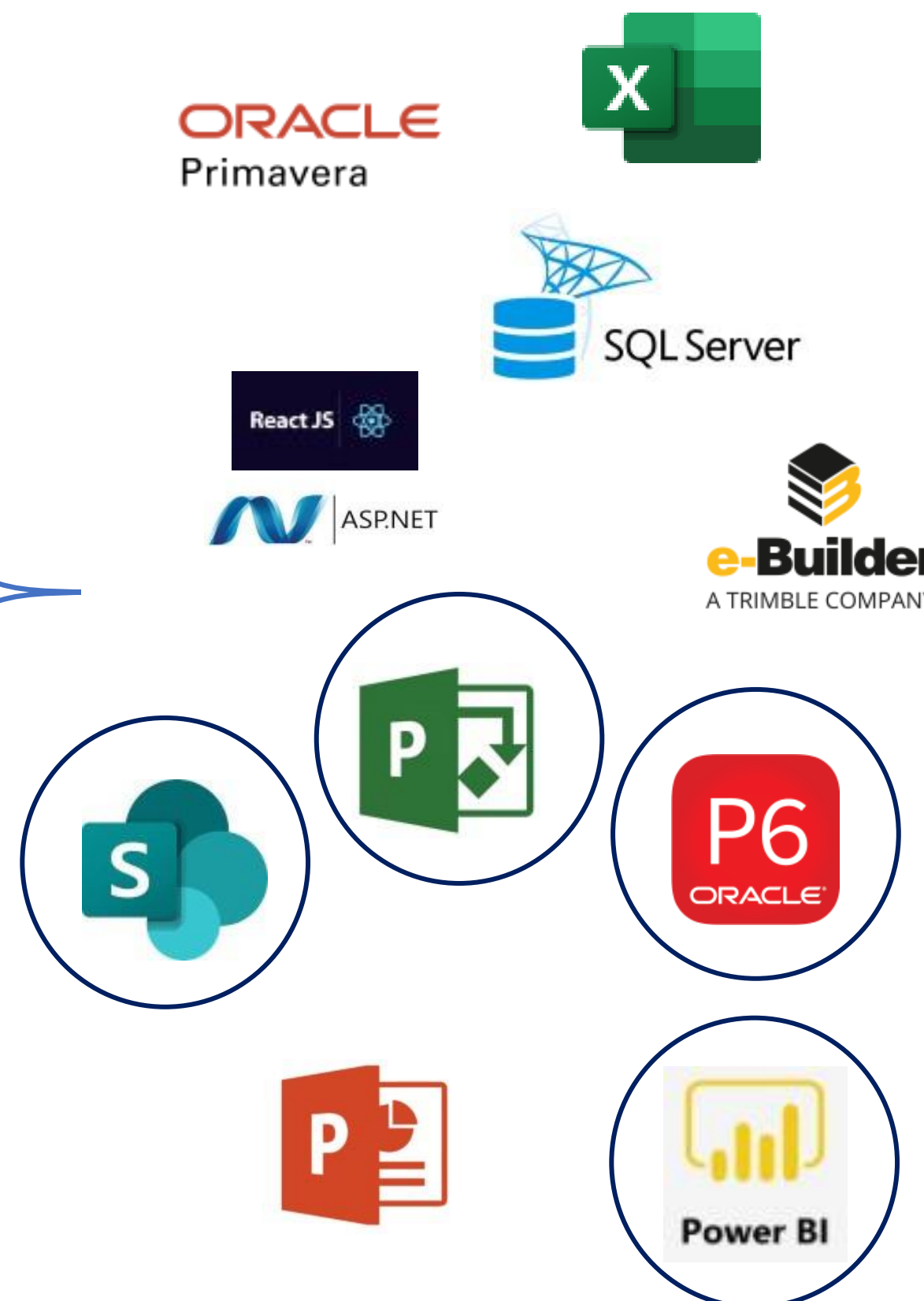
## Requirements

1. KPI Baseline management
2. Forecasting
3. Dashboarding
4. Financial Reporting
5. Document Control
6. Point-in-time (Versioning)
7. Interoperability
8. Quality Control and Management
9. Process Management and Revisions
10. Role Based Access
11. Data Warehousing
12. Training
13. Financial Reporting

## Reports

1. KPI Adherence
2. Change Order Tracking
3. Invoicing Summary
4. Invoicing Aging
5. Invoicing Accruals
6. Project and Task Order Status
7. Departmental LookAhead
8. Quarterly Reporting
9. Cost and Resource Forecasting

## Software



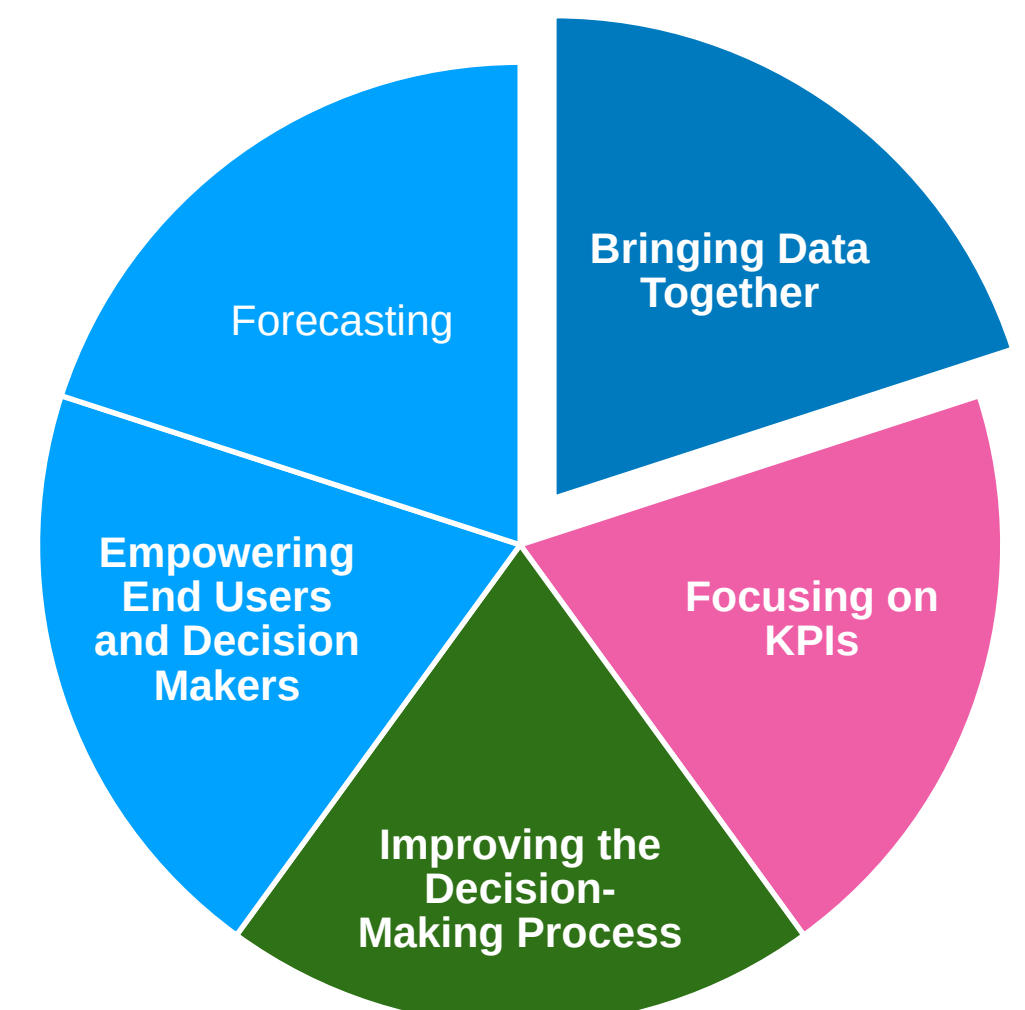
## Program Management Systems

- WMATA
- JFK - PANYNJ
- SANDAG
- MTA C&D Penn Station Access
- TBTA
- IndyGO
- CATS
- Charlotte Airport
- VDOT
- DDOT
- SEPTA





**HNTB**







# Transit Planning



# WMATA Planning Contracts and Key Projects

## Planning

(WMATA FQ15190, HNTB FQ68721)

3/29/2018

5 years (03/2023)

\$50M total

Fixed firm price +  
some cost reimbursable

## Long Range Planning

(WMATA C20102, HNTB 73126)

10/1/2020

3 yr + 2 one-yr opt. (10/2023)

\$47M Total

Fixed firm price

- Rosslyn D&E Feasibility Assessment
- Twinbrook D&E Feasibility Assessment
- Smithsonian D&E Feasibility Assessment
- NEPA projects for Bladensburg and Northern Bus Garages
- Braddock Road Metrorail Station Pedestrian Tunnel/Bridge Feasibility Study
- Blue-Orange-Silver Capacity and Reliability Study



# Planning With A Purpose

## Range of Transit Planning Services

- Rail & Bus Studies
- Economic Analyses/Cost Estimating
- Financial Planning
- Network and Corridor Operations & Capacity
- Technology and Systems Readiness
- Environmental/NEPA Evaluation
- Conceptual Design/Engineering
- Land Use Modeling, TDM, TOD
- Title VI Analyses
- Public Participation
- Graphics





# Planning With A Purpose

## Small Business Opportunities

Pedestrian Simulation Modeling  
Sustainability  
Travel Demand / Trace Modeling  
Station Architecture  
Fire/Life Safety  
Egress/Evacuation Assessments  
Geotechnical Services







# Why HNTB



# Partnering with HNTB

## Contact



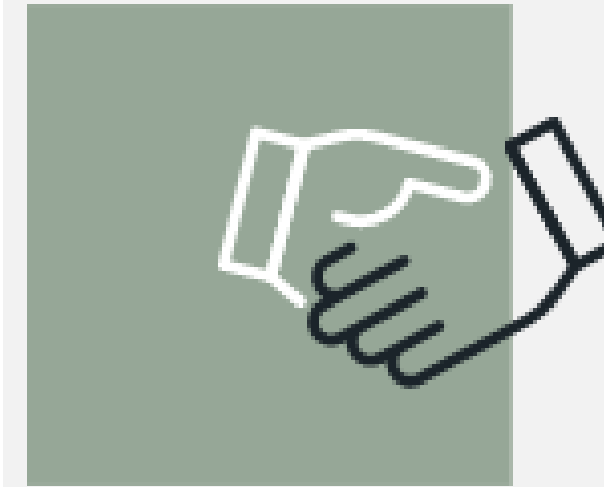
Joseph Fazio  
Vice President

Joseph Fazio  
Vice President  
JFazio@HNTB.com



John Daza  
Associate Vice President

John Daza  
Associate Vice President  
JDaza@HNTB.com



## Learn About Our Partners

HNTB's Partners Program helps WBEs, MBEs and SBEs secure contracting opportunities on large-scale projects with major transportation agencies. It's a structured, 12-month curriculum covering planning, project management, sales, marketing, operations and financial management, with mentoring and coaching from HNTB leaders along the way. The program provides opportunities to enhance operations and sustainability of local small, minority and disadvantaged businesses.





Q&A





**RK&K**



Responsive People |  
Creative Solutions

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Metro's Small Business Program's Office: Meet the Primes





## Vance Tsiamis, PE, CCM, PSP

- 20 Years with RK&K
- Director of CM Services in DC, MD, DE, PA, and WV
- Project Controls
- Construction Management and Inspection
  - Rail
  - Vertical
  - Transportation
  - Utilities / Water/ Wastewater





## About Us

We offer responsive people and creative solutions to a variety of projects from more than 30 offices strategically located throughout the Mid-Atlantic, Southeast and South Central U.S.

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# The Firm

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Founded in 1923



1,300 Staff

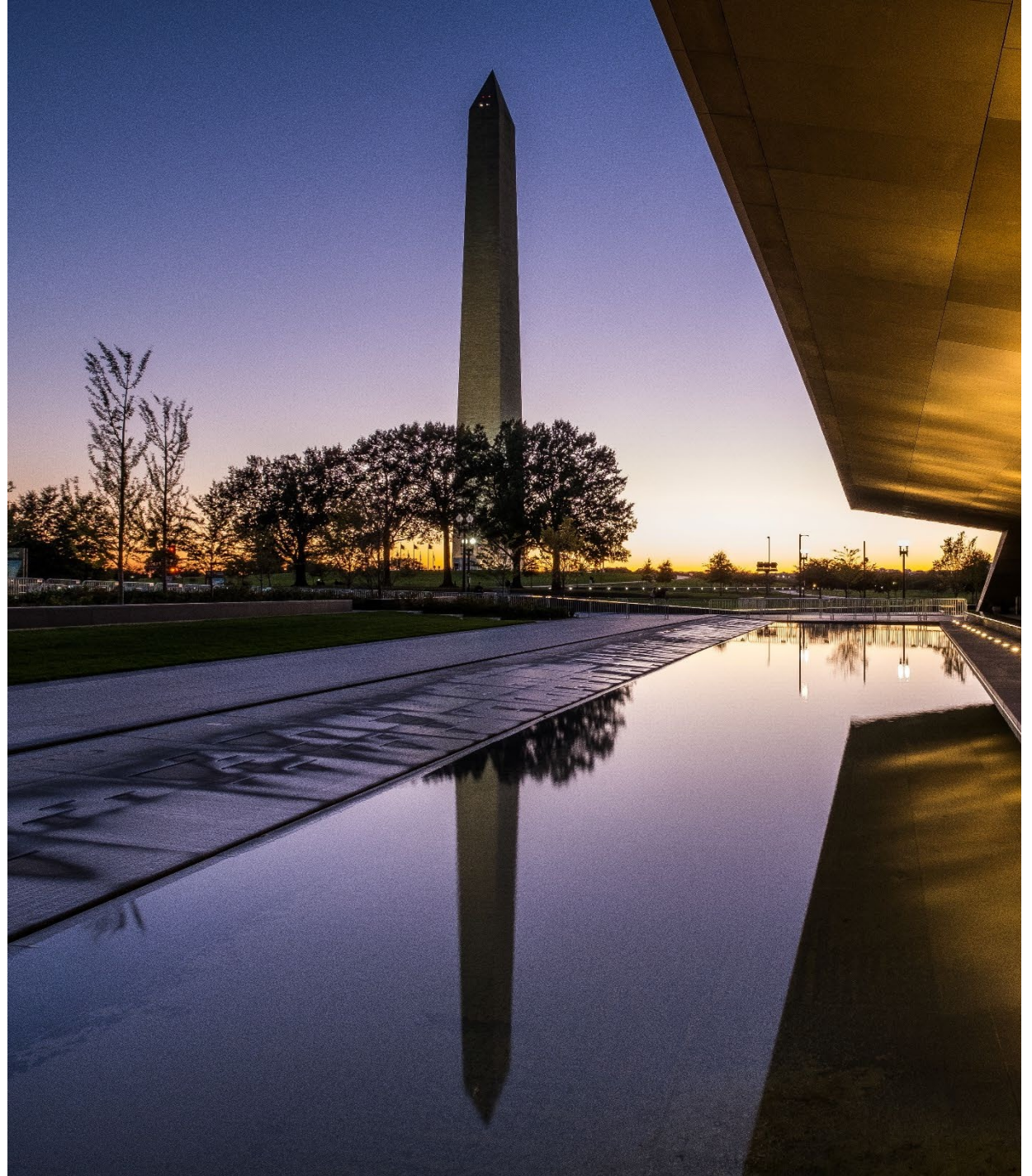


500 within 1 hour of DC

Local Office: 100 M Street, SE



40+ Years in DC





# Services



Metro's Small Business Program's Office: Meet the Primes



Transportation



Environmental



Construction  
Management



Energy & Corrosion



Land & Site  
Development



IT/Computer Systems  
Management



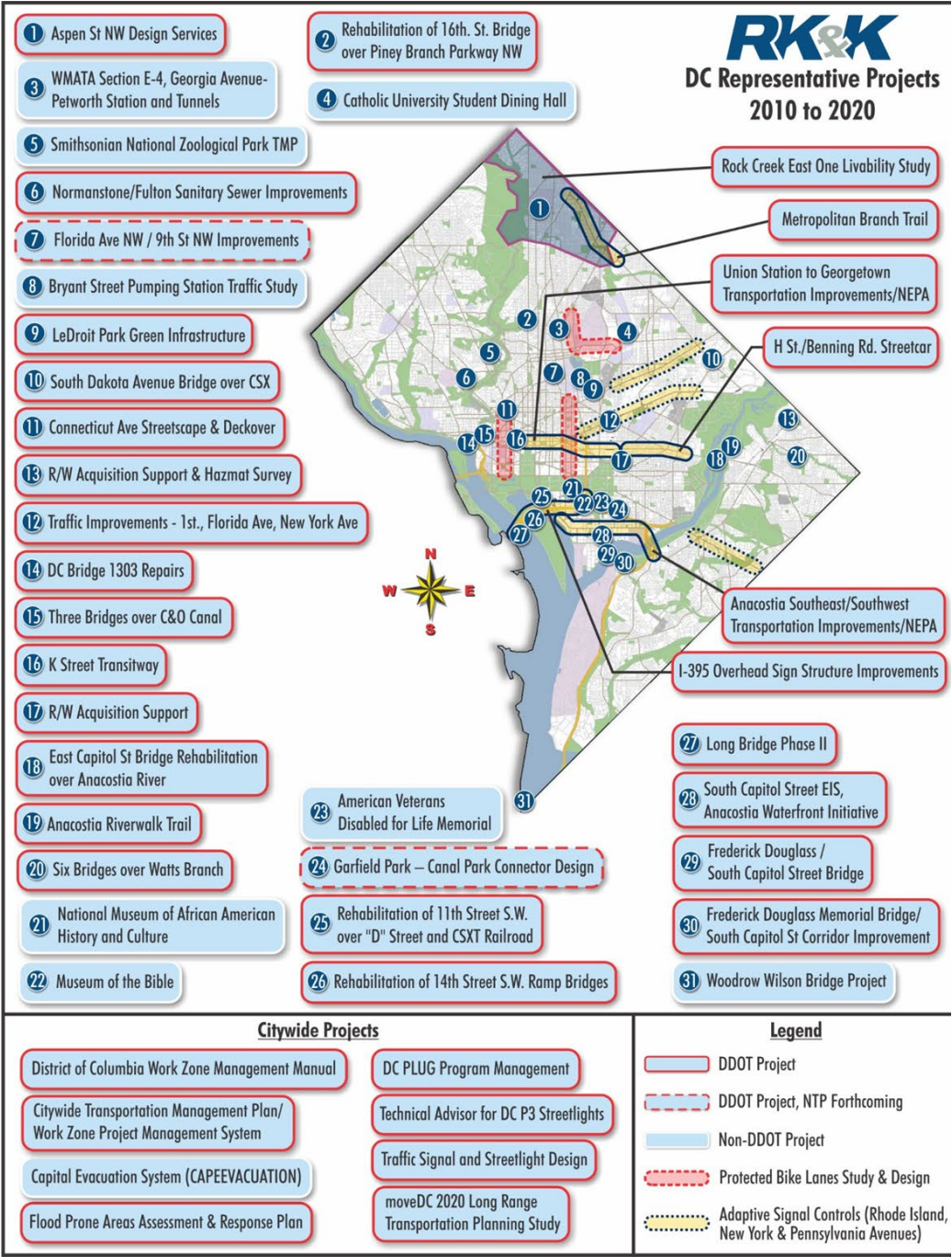


25+ Years  
WMATA/DCDGS/  
DCDPW/DDOT  
Experience

85+ TASKS  
*since 2010*



# DC Representative Projects

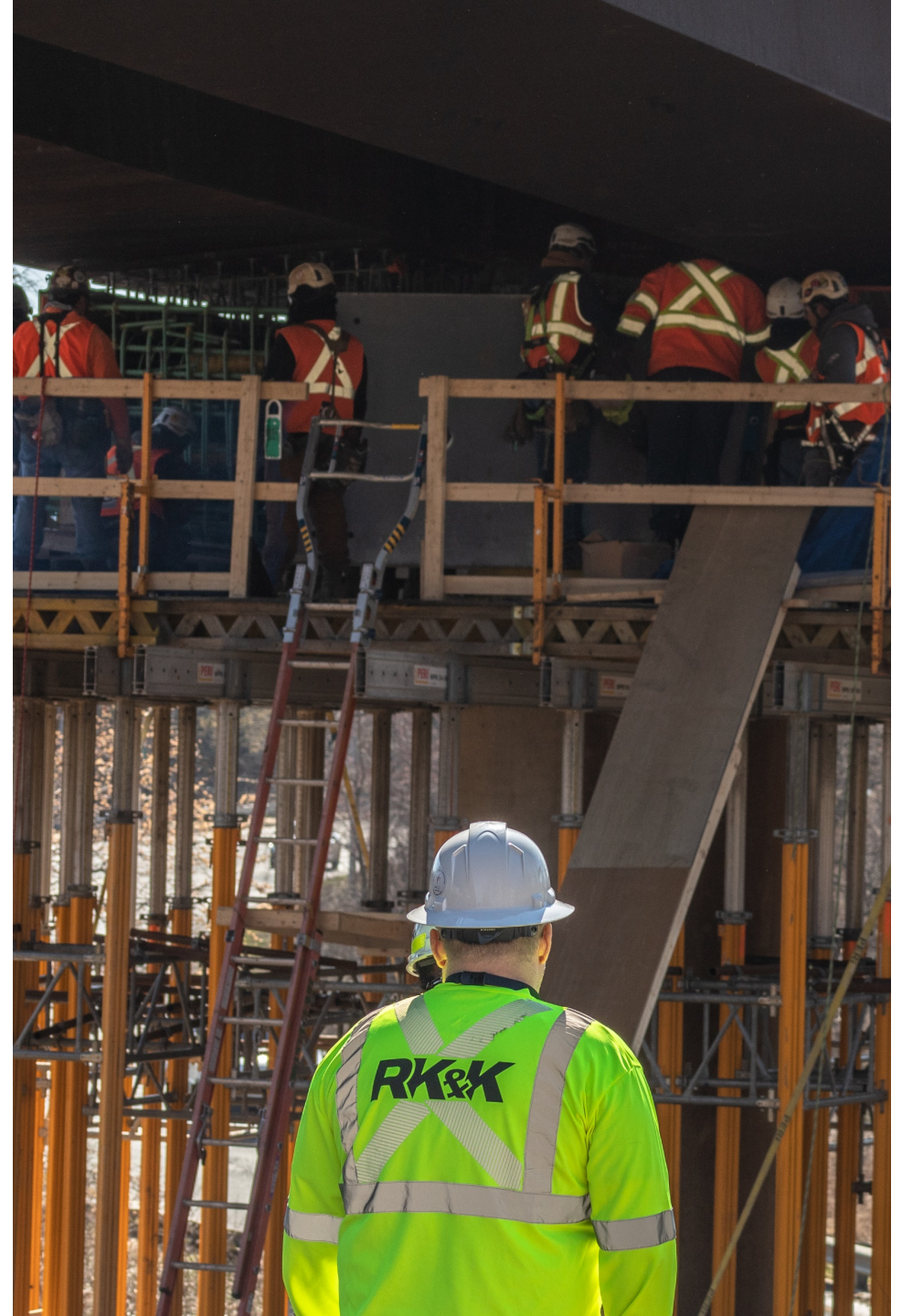




# WMATA Representative Projects

## Structural Priorities Program – A & B staff Augmentation

- Rehab of Aerial Structures
- Program Management
- Construction Management and Inspection
- Design Build and Design Bid-Build Expertise





# WMATA Representative Projects

## Rail Car SMS Quality Inspections

- Quality Inspections of Rail Cars
- Inspection of safety concerns on Rail Cars
- Inspection of Radio and Antenna Installations





# WMATA Representative Projects

## Radio Program Staff Augmentation

- Program Management
- Process Engineers
- Construction Engineers
- Inspectors
- Office Engineers
- Asset Management
- Schedulers
- Financial Analysts





# WMATA Representative Projects

## Radio Program Staff Augmentation

- Program Management
- Process Engineers
- Construction Engineers
- Inspectors
- Office Engineers
- Asset Management
- Schedulers
- Financial Analysts





# WMATA Representative Projects

- **Scheduling Support**
- **Staff Augmentation for TAMO Projects**
- **Technical Writer for Quality Management Documentation**
- **AE Services for Wayside Planning Support**
- **Project Controls and Controls Process Support**
  - Technical Writers
  - Schedulers
  - Construction Engineers
  - Financial Analysts







## DIVERSITY ENGAGEMENT

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Commitment to proactive,  
strategic relationships  
with DBE and SBE/CBE  
firms





# Subcontracting Services Areas

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PROGRAM MANAGEMENT/  
CONSTRUCTION MANAGEMENT/  
INSPECTION



DATA COLLECTION



LANDSCAPE ARCHITECTURE



MATERIALS TESTING



PUBLIC ENGAGEMENT



ENERGY /SUBSURFACE UTILITY  
ENGINEERING/DESIGNATION



SURVEYING



RAIL AND URBAN DESIGN /  
ARCHITECTURE



# Contact

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Vance Tsiamis, PE, CCM, PSP  
Director



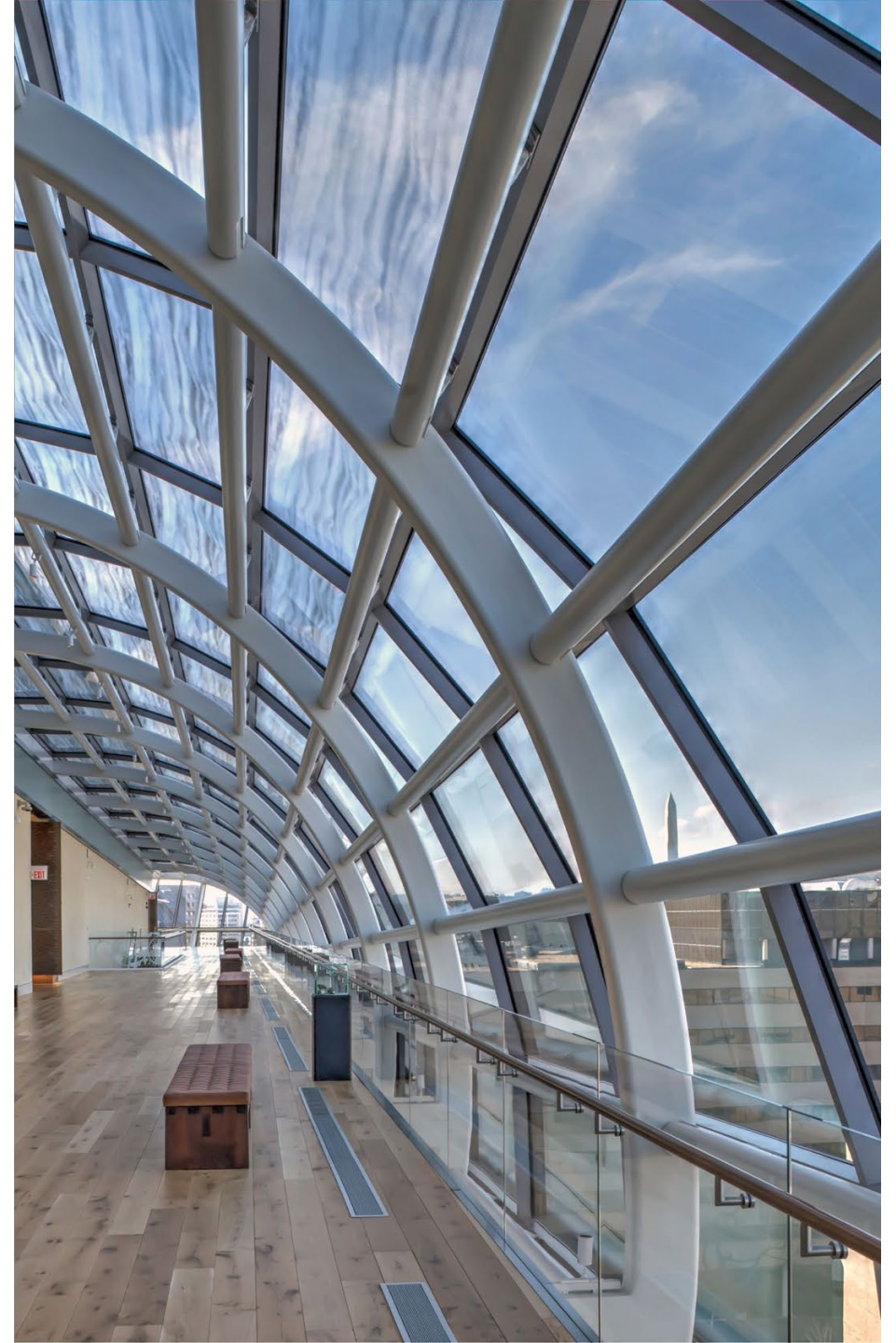
410.462.9267



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[www.rkk.com](http://www.rkk.com)





# Meet the Primes Event

WMATA

Small Business Program Office

June 28, 2022

Sean Rousseau, PE  
Associate Vice President



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# Agenda

- Introduction
- AECOM Overview
- Partnership with WMATA
- Small Business Program
- Upcoming Opportunities
- Q & A



## Meet our team



Sean Rousseau, PE  
Associate Vice President, Transportation  
703-340-3095  
[sean.rousseau@aecom.com](mailto:sean.rousseau@aecom.com)



Shawn Ralston  
Small Business Program Manager  
703-559-1338  
[shawn.ralston@aecom.com](mailto:shawn.ralston@aecom.com)



Tom Kirby, PE  
Vice President, MD Transit  
410-637-1602  
[thomas.kirby@aecom.com](mailto:thomas.kirby@aecom.com)



# AECOM Overview



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We're one team driven by a common  
purpose in everything we do:

**Delivering a better world.**



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# Our markets





# By the numbers

Nearly  
**50k**  
People

**7**  
Continents

**US\$13.3B**  
FY 2021 revenue

**#189**  
Fortune 500



Featured on  
**Fortune's "World's  
Most Admired  
Companies"**  
seven years in a row



**#1 transportation** design firm,  
facilities design firm,  
environmental science and  
global environmental consulting  
firm, and **#2 water design** firm  
as ranked by **Engineering-  
News Record**



Named one of 2021 **World's  
Most Ethical Companies** for  
its commitment to integrity and  
making a positive impact by  
**Ethisphere**



Received a perfect score  
four years in a row on the  
**Human Rights Campaign  
Foundation's Corporate  
Equality Index**





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## Our pledge to advance Equity, Diversity & Inclusion

**When we feel free  
to be ourselves,  
we thrive.**

### Our beliefs

We believe infrastructure creates opportunity for everyone and that when we feel free to be ourselves, we thrive.

We believe we are stronger, smarter and better when we bring together a multitude of voices, ensure that every voice is heard and cultivate equitable opportunities for all.

We believe equity, diversity and inclusion enable us to better anticipate our clients' needs, understand the challenges facing the communities we serve, drive innovation that propels our industry forward and realize our purpose of delivering a better world.

We believe that we must come together to take action, establish goals and demonstrate accountability to make a positive impact on our company, our industry and society.

### Our commitments

We will build diverse teams to tackle the world's most complex challenges by attracting, hiring, and developing talented people of all backgrounds, and ensure inclusivity and fairness in our sourcing, interview and hiring processes.

We will expand understanding to help every employee feel valued by creating an inclusive workplace through community-building, training and family-friendly benefit policies.

We will think without limits to maximize the social value delivered through our work, factoring in equity, diversity and inclusion considerations into every project we pursue and innovative solutions we provide.

We will enrich communities and deepen engagement with our stakeholders through strategic nonprofit partnerships, pro-bono work, skills-based volunteering, philanthropy and a commitment to supplier diversity.



# Our environmental, social and governance commitments

## 1. What is AECOM's Sustainable Legacies strategy?



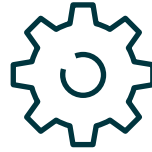
Our Sustainable Legacies strategy encompasses how we are integrating ESG factors into everything we do. Click here to view our [our strategy](#)

## 2. What is AECOM doing to decarbonize?

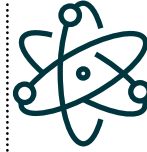


### SCOPE X™

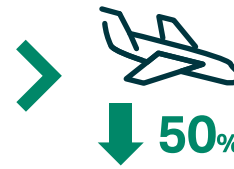
Incorporating an ESG action plan for reducing carbon impact by at least 50 percent on all major projects (our 'ScopeX™' service)



### OPERATIONAL NET ZERO by 2021



### SCIENCE-BASED NET-ZERO by 2030, which includes:



### BUSINESS TRAVEL EMISSIONS

50 percent reduction in business travel emissions by 2030, compared with 2018



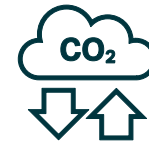
### SUPPLY CHAIN

Developing carbon reduction targets in partnership with our supply chain



### VEHICLES AND ENERGY

Decarbonizing all fleet vehicles and switching to renewable energy tariffs



### OFFSETTING

Offsetting residual carbon, including through creating our own nature-based solution projects

## 3. What is AECOM doing to increase social value and social impact?

### PARTNERING WITH SME'S

Partnering with small and medium-sized enterprises to deliver social value through community investment, positively impacting clients, communities and society



### CAM TARGETS

Embedding net-zero, resilience and social value targets into our client account management program and the work we bid for

### MEASURING KEY IMPACTS

Measuring key impacts such as carbon emissions, climate resilience and social value on major projects

## 4. What is AECOM doing to advance equity, diversity and inclusion?

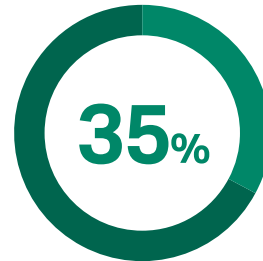


### SOCIAL EQUITY, DIVERSITY AND INCLUSION

Ensuring that our work with clients and communities promotes social equity, diversity and inclusion

### DIVERSITY

Ensuring our project teams reflect the diversity of the clients and communities we serve



### WOMEN IN SENIOR LEADERSHIP

We have set an industry-leading, near-term target of women comprising at least 20 percent of senior leadership roles and at least 35 percent of the overall workforce

## 5. What are we doing to enhance our governance to deliver sustainable legacies?



### ASSESSING RISK

Developing an enterprise framework to assess ESG risk in potential projects



### ACCOUNTABILITY AND ADVOCACY

To drive leadership accountability and advocacy through specific ESG goals/metrics in annual goals

### TRACKING AND REPORTING

Tracking and reporting on ESG performance targets in line with leading industry benchmarks (i.e., Sustainability Accounting Standards Board [SASB] and Task Force on Climate-related Financial Disclosures [TCFD])





AECOM

# Partnership with WMATA

Delivering a better world

 [aecom.com](https://www.aecom.com)



## Key areas we support WMATA

- Engineering
- Program Management
- Construction Management
- Planning
- Environmental
- Architecture
- Staff Augmentation
- Economics/Grants
- Systems/Radio/Fiber/Comms
- CCTV/Security
- Electrification/Energy







# Active On-call contracts with WMATA

| Contract No. | Contract Name                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| C20102       | On-call Planning Services                                                                                                                  |
| FQ19172      | General Architectural and Engineering Consultant (GEC) On-Call Design Services IDIQ                                                        |
| FQ18033*     | General Architectural and Engineering Program Management/ Construction Management (PM/CM) and Engineering Support Services IDIQ Task Order |
| FQ15190      | Architect-Engineering (A/E) General Planning Services MATOC                                                                                |

\*AECOM-STV JV



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## Strong partnership with DBE firms on WMATA tasks

- Subconsultants play an important and significant role on our tasks, for example:
  - Radio Program Engineering Support Services
    - 50.1% DBE
  - Communication and Outreach for Platform Reconstruction
    - 92.1% DBE
  - Support for Civil Projects
    - 77.6% DBE
  - Fire Alarm Systems and ESS Comms Engineering
    - 38.6% DBE
- AECOM is committed to achieving the established DBE participation goals. Current DBE utilization status:
  - C20102 = 25% utilization, 4 active subs
  - FQ19172 = 44% proposed utilization, 5 active subs
  - FQ18033 = 57% utilization to date, 15 active subs

**“We include DBE firms not to “check a box” but because they do top-notch work and are among our most regular and trusted collaborators”**



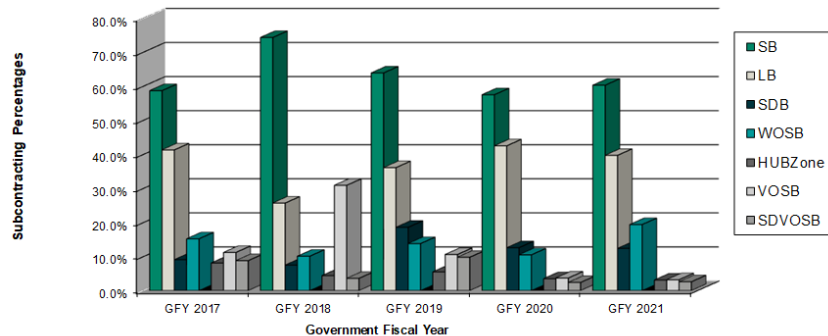
# Small Business Program



# Small Business Program

AECOM's award-winning Small Business Program is integral to our program management approach. It allows us to complement our technical expertise with qualified resources from the small business community. We are always looking to cultivate relationships with new small and diverse firms to explore opportunities that better serve our clients.

5 Year Subcontracting Trend



5-Year Averages

|                                                                      |       |
|----------------------------------------------------------------------|-------|
| Small Business (SB)                                                  | 65.0% |
| Small Disadvantaged Business (SDB)                                   | 11.4% |
| Women-Owned Small Business (WOSB)                                    | 13.5% |
| Historically Underutilized Business Zones Small Businesses (HUBZone) | 4.4%  |
| Veteran-Owned Small Business (VOSB)                                  | 14.6% |
| Service-Disabled Veteran-Owned Small Business (SDVOSB)               | 4.6%  |





# What do we subcontract?

Typical services subcontracted by AECOM under our contracts include the following:

|                       |                        |                        |                      |                                      |                      |
|-----------------------|------------------------|------------------------|----------------------|--------------------------------------|----------------------|
| Archaeological        | Architecture           | Commissioning          | CADD                 | Construction Management & Inspection | Cost Estimating      |
| Cultural Resources    | Engineering            | Environmental          | Equipment Rental     | Geotechnical                         | HazMat Investigation |
| Historic Preservation | Interior Design        | Landscape Architecture | Modeling/Forecasting | Public Outreach                      | Program Management   |
| Scheduling            | Soil Borings & Testing | Staff Augmentation     | Surveying/Scanning   | Utility Location                     | Value Engineering    |



# What does AECOM look for?



**Niche capabilities**  
or strong experience  
providing given services



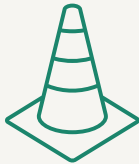
**Geographic proximity**  
to place of performance  
(if required)



**Past performance**  
with prime, the ultimate  
client, or similar clients



**Good reputation**  
for quality work



**Good safety record**  
(e.g., better than  
industry average)



**Socioeconomic status**  
to support goal attainment  
(multiple socioeconomic  
categories preferred)



**Necessary  
certifications**  
and financial systems



**Financial stability**  
as a firm



**Trusted relationships**  
with the prime and/or client



# Approaching a Large Business (LB)

1

## Study

the LB

- **Visit their website.**  
Do they list contract vehicles?
- **Identify contracts** held by LB by visiting FPDS-NG or other similar data sites How are they organized?
- **Find out how they are organized** and identify their SBLO or other SB staff.

2

## Research

the opportunity

- **Which large businesses** hold contracts that need your services?
- **Attend Industry Days or SB events** hosted by the client to gather intel.
- **Speak with SB staff** with federal agency to learn more about upcoming opportunities, SB goals, and prime contract holders.

3

## Be Proactive

In contacting the LB

- **Ask about specific contracts** or upcoming solicitations (completed homework).
- **Speak with Business Development leads** or Program Managers that would understand the value you bring to the table and your past performance.
- **Focus on your strengths** and areas where you could help the LB with their clients.



# Small Business/Supplier Diversity

AECOM recognizes the important role small businesses play in our economy and communities

- Prequalify with AECOM through SubPort
  - <https://prequal.aecom.com/>
  - [supportteam@aecom.com](mailto:supportteam@aecom.com)
- Small Business/Supplier Diversity Website
  - <https://aecom.com/small-businesssupplier-diversity/>
- Mentor-Protégé Participation
  - <https://aecom.com/small-businesssupplier-diversity/mentor-protege-program/>
- Outreach Calendar
  - <https://aecom.com/wp-content/uploads/2022/05/2022-Outreach-Calendar.pdf>



## Our Commitment to Supplier Diversity

AECOM is committed to supplier diversity. As a company, we recognize the critical role small businesses play in our economy and actively contribute to the communities where we work through new business partnerships and local engagement.

We recognize Small Business Concerns to ensure that Small, Women-owned, Minority-owned, HUBZone, Veteran-owned and Service-disabled Veteran-owned businesses have the maximum practicable opportunity to compete for the procurement of goods and services. We are also committed to an effective supplier diversity program that demonstrates measurable improvement from year-to-year, and is consistent with recognized industry objectives, applications, and contractual expectations of our clients.

This corporate commitment extends to the procurement of all goods and services, whether the purchases support (1) federal, state, or local governments, (2) commercial clients, or (3) in-house needs.

A handwritten signature in blue ink, appearing to read "Troy Rudd".

Troy Rudd  
Chief Executive Officer



# Upcoming Opportunities



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## Partnership Opportunities

| Client   | Opportunity                                                   |
|----------|---------------------------------------------------------------|
| WMATA    | Joint Development and Construction Staff Augmentation Support |
| WMATA    | Real Estate On-call Services                                  |
| WMATA    | PM/CM Recompete                                               |
| WMATA    | Communications Based Train Control (CBTC)                     |
| DDOT     | A/E Schedule On-call                                          |
| FHWA     | Eastern Federal Lands Highway/Bridge IDIQ                     |
| FHWA     | Transportation Planning                                       |
| MDOT MTA | On-call Planning Services                                     |
| MDOT SHA | On-call Services                                              |



# Questions & Answers



**AECOM** Delivering a  
better world



# North American Transit and Rail Briefing

Capabilities and Projects

June 2022



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Water



Transportation



Energy and Renewables



Aviation



Advanced Facilities



Environmental



Cross-market

**JACOBS**

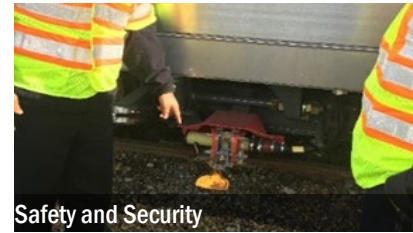
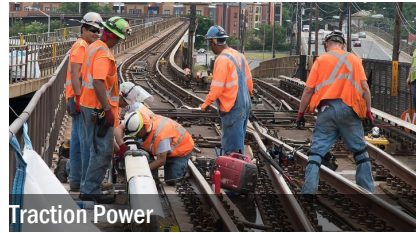


# Our Transit and Rail Team Provides Key Capabilities to the Market

**#1** Mass Transit and Rail firm globally by volume of work

**#1** 2021 Engineering News-Record Top 500 Design Firms – This was accomplished through:

- ✓ Extensive experience with the top 30 transit agencies in NA
- ✓ Delivering global expertise through local resources



**JACOBS**



# We Provide these Services to a Broad Range Clients

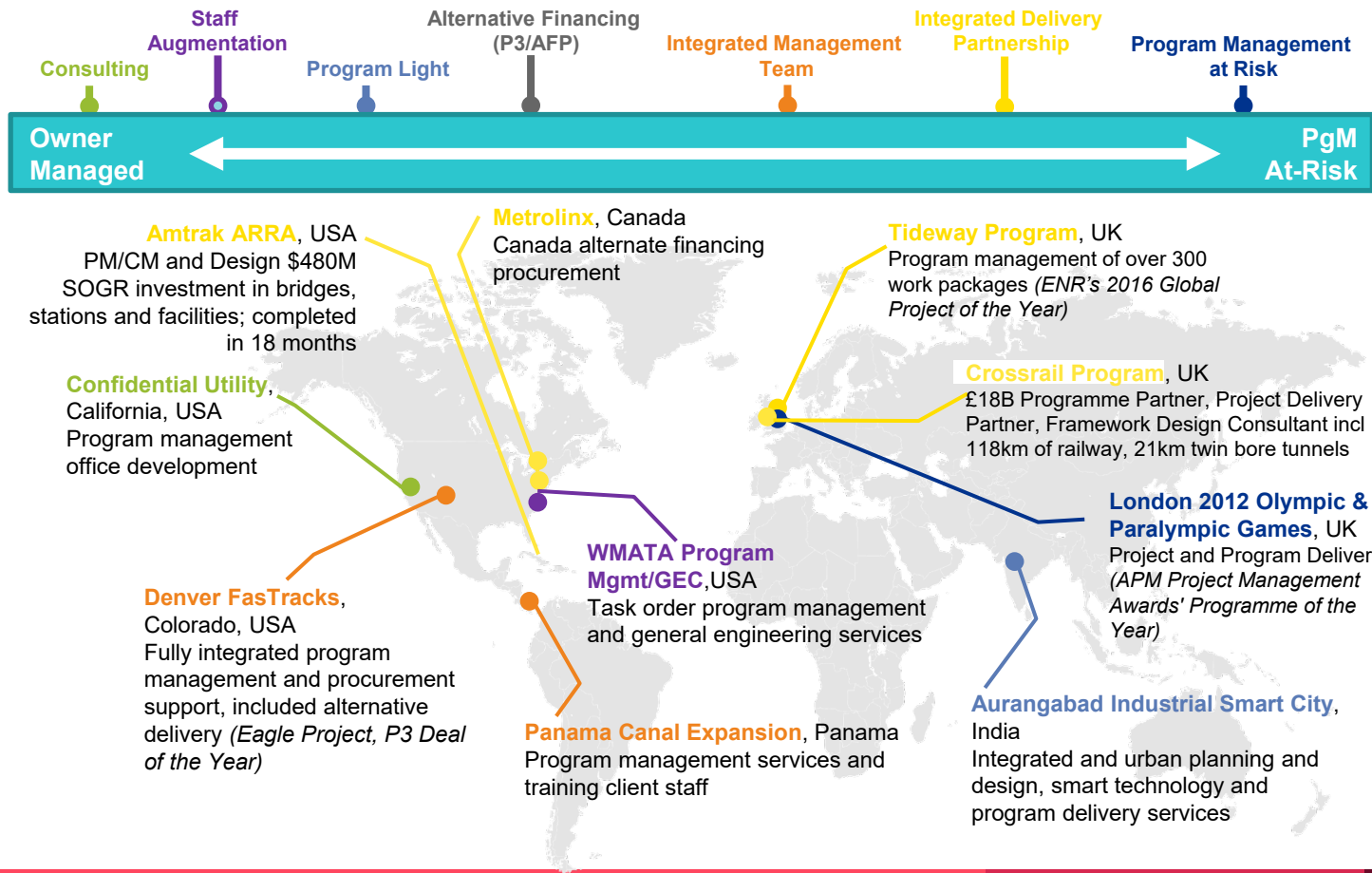


- S&L Transit Agencies
- USDOT (FTA, FRA, Volpe)
- Amtrak/VIA/Brightline
- State and Local DOTs
- Fleet Operators
- Concessionaires/JVs
- Lenders
- DB Contractors
- MPOs
- Freight Railroads
- Supply Industry (Intl.)



# We Support Clients with the full Spectrum of Delivery Models

- Full spectrum of clients, programs, and related **solutions** needed
- Experienced the entire program spectrum, creating solutions **based on our client's vision and desired benefits**





# North American Transit & Rail Projects

Cottonbelt DDB, Texas



Fort Worth T - TexRail



CTA Red/Purple Line Modernization



Metrolinx Next Wave, Ontario



High Speed Rail, California



Denver RTD FasTracks



Clipper Regional Smart Card System, California



Amtrak Vehicle Engineering, Pennsylvania



Portal Bridge/Gateway





# DMV Transit and Rail Projects



- **WMATA**
  - Office Consolidation PM
  - Heavy Rail Maintenance Facility PM
  - Traction Power PM
  - Bike/Ped Program PM
  - Flood Mitigation Design
  - Station Platform Reconstruction Design (Kiewit)
  - ZEV Bus Specification
  - Maximo Asset Management Support
- **MWAA** – Silver Line Program Management
- **DC DOT** - Streetcar Program Management
- **Maryland Transit Administration**
  - Rolling Stock/Systems
  - Strategic & Service Planning
  - Structural Engineering
  - Safety and Security
- **Amtrak** – ADA Program, Rolling Stock, Facilities



# Questions

