ARORA and ASSOCIATES, P.C.
Consulting Engineers

Engineering Your Success

CAGE: 31NZ3 UEI.: Z5HLEAVE897
NAICS: 541330 | 541370 | 541620 | 541512

CAPABILITIES STATEMENT

NEW JERSEY I NEW YORK I PENNSYLVANIA I ILLINOIS

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REGIONAL LOCATIONS

New Jersey
Corporate Headquarters
1200 Lenox Drive, Ste. 200
Lawrenceville, NJ 08648
Phone: (609) 844-1111

New York
352 7th Avenue, Ste. 901
New York, NY 10001
(212) 268-2730

Pennsylvania
4250 Crums Mill Road, Ste 300
Harrisburg, PA 17112
(717) 920-0222

190 Brodhead Road Ste. 100
Bethlehem, PA 18017
(484) 895-3131

575 E. Swedesford Road, Ste. 101
Wayne, PA 19087
(215) 692-6874

Illinois
5221 South 6th Street, Ste. 130
Springfield, Ill. 62703
(217) 655-6601

625 Adams Street, Ste. 19-112
Chicago, Ill. 60601
(312) 278-7957

NEW JERSEY

NEW YORK

PENNSYLVANIA

ILLINOIS

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Mandeep Singh Arora, PE, President I marora@arorapc.com I 609-482-2673
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CAPABILITY STATEMENT – ENGINEERING SERVICES

ARORA and ASSOCIATES, P.C. is a full-service engineering firm with a 45-year track record of designing and managing large, complex infrastructure projects with accelerated schedules and design fees above $7 million. We prime more than 75% of all projects and are expanding our Design-Build support. Our hands-on, collaborative approach helps our clients deliver high-quality, cost-effective, award-winning solutions. We are CMMC Level 1 self-certified.

CORE COMPETENCIES

- Structural and Seismic Design
- Buildings and Facilities Planning
- Civil/Transportation/Site Engineering
- Traffic Engineering, Simulation, and Analysis
- Land Surveying/Right-of-Way/Mobile LiDAR
- Highways, Bridges, and Infrastructure
- GIS/Data Analytics/Data Sciences
- NEPA Compliance/Environmental Permitting
- Hydraulics and Hydrologic Engineering
- Geotechnical Engineering
- Coastal Engineering/Erosion Control
- ITS/Electrical Engineering/IT Services
- Design-Build
- Research and Development

Esri Business Partner | Minority Business Enterprise (MBE) | Small Business Enterprise (SBE)

DIFFERENTIATORS

- Experienced professionals capable of delivering simultaneous task orders
- Mobile LiDAR, speeds data collection for survey plans or BIM models
- Building inspectors with rope access certification (SPRAT)
- Skilled researchers helping agencies improve safety

JFK Overhead Structure

PAST PERFORMANCE

- Design-Build support for AirTrain at Newark Liberty International Airport
- Emergency Reconstruction of Route 35 for NJDOT in collaboration with USACE
- Building Condition/Hazard/Sustainability Assessments at Newark and JFK Airports for Port Authority of NY/NJ
- Environmental Permitting/Hydraulics at Newark Bay Bridge for New Jersey Turnpike Authority
- ITS and Security Upgrades for Critical Infrastructure for Delaware River Joint Toll Bridge Commission

CLIENTS

US Army Corps of Engineers
esri Partner Network Member
FHWA
Delaware River Joint Toll Bridge Commission
NEW YORK STATE
NJTP
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NATIONAL ACADEMIES
Pennsylvania Department of Transportation
DELAWARE RIVER PORT AUTHORITY
NEW YORK CITY DOT
PORT AUTHORITY NY NJ
SMALL BUSINESS SBE CERTIFIED
Illinois Department of Transportation

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CAPABILITY STATEMENT – BUILDINGS & FACILITIES

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CORE COMPETENCIES

- Structural Building and Site Design
- Site Development and Planning
- Land Surveying/Right-of-Way/Mobile LiDAR
- GIS/Data Analytics/Data Sciences
- Building Condition Assessments
- Construction Phase Services
- Building and Site Storm Hardening
- NEPA Compliance/Environmental Permitting
- Hydraulics and Hydrologic Engineering
- Geotechnical Engineering
- Coastal Engineering/Erosion Control
- Electrical Engineering/IT Services
- Design-Build
- Research and Development

Esri Business Partner | Minority Business Enterprise (MBE) | Small Business Enterprise (SBE)

DIFFERENTIATORS

- Experienced professionals capable of delivering simultaneous task orders
- Mobile LiDAR, speeds data collection for survey plans or BIM models
- Professional Engineers with SPRAT certification for Rope Repelling Inspections
- Skilled researchers helping agencies improve safety

Rope Repelling

PAST PERFORMANCE

- Design-Build Support for AirTrain at Newark Liberty International Airport
- Building Condition/Hazard/Sustainability Assessments at Newark and JFK Airports for Port Authority of NY/NJ
- ITS and Security Upgrades for LaGuardia College Turnstile Entry Modifications
- ADA Upgrades and Circulation Improvements at Broadway Junction Complex for New York MTA

CLIENTS

US Army Corps of Engineers
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NJ TP
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National Academies
Pennsylvania Department of Transportation
Delaware River Port Authority
New York City DOT
Port Authority NY NJ
Small Business SBE Certified
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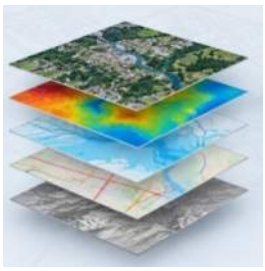
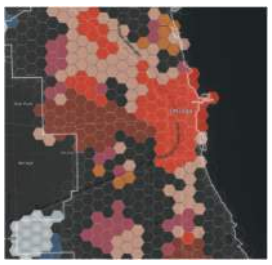
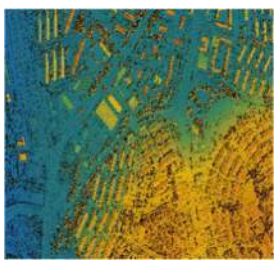
CAPABILITY STATEMENT – GIS & DATA SERVICES



ARORA and ASSOCIATES, P.C.'s GIS & Data Services team delivers integrated geospatial solutions encompassing GIS, enterprise data management, web application development, and digital transformation. We enable organizations to make informed, data-driven decisions and achieve operational excellence. Our team supports both public and private sector clients in the collection, management and strategic use of spatial and non-spatial data. By turning complex data into actionable insights, we help improve efficiency and strengthen long-term resilience. We are CMMC Level 1 self-certified.

As an Esri Business Partner, we leverage industry-leading technology and best practices to deliver scalable, innovative solutions tailored to our clients' evolving needs.

CORE COMPETENCIES

GIS & Geospatial Solutions

- GIS Strategy & Program Management
- Spatial Data Development, Management & Governance
- Spatial Analysis & Modeling
- Cartographic Map Production
- Mobile LiDAR & Feature Extraction
- Mobile GIS & Field Data Collection
- Enterprise GIS Implementation
- Cloud GIS & Platform Administration

Data Analytics & BI Solutions

- Cross-Platform Data Integration
- Data Warehousing & ETL
- Real-Time Analytics
- Statistical Data Analysis
- Database Management
- Business Intelligence & Data Visualization
- Interactive Dashboard Development & Reporting
- Workflow Automation
- Self-Service Analytics
- Data Governance & Quality Assurance

Digital Platforms & Interactive Solutions

- Interactive & Accessible Web Mapping Applications & Websites
- Open Data & Public Information Dissemination Portals
- Community Outreach & Stakeholder Engagement Tools
- Survey & Feedback Collection Tools
- Real-Time Data & IoT Integration
- Mobile Responsive & UX/UI Design

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PORT AUTHORITY NY NJ
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CAPABILITY STATEMENT – CONSTRUCTION SERVICES

ARORA and ASSOCIATES, P.C.'s Construction Inspection and Construction Management (CI/CM) team provides comprehensive oversight, inspection, and owner's representative services for complex transportation infrastructure projects. We deliver complete project execution for roadways, highways, bridges, tolling facilities, and multimodal corridors, ensuring strict compliance with federal, state and regional agency standards while minimizing public disruption. Our technical expertise encompasses full-scale construction management, CPM schedule analysis, and proactive constructability reviews. Backed by decades of experience, our project managers and inspectors seamlessly bridge the gap between design intent and field execution to deliver projects safely, on budget, and on schedule. We are CMMC Level 1 self-certified.

CORE COMPETENCIES

EXPERIENCE

- Construction Management
- Owner's Representative
- Schedule Analysis
- Resident Engineering
- Roadway Construction Inspection
- Bridge Construction Inspection
- Change Order Management
- QA/QC Services
- Maintenance & Protection of Traffic (MPT)
- Multi-Agency Coordination
- Safety Planning and Oversight
- Project Documentation and Closeout
- Public Outreach & Stakeholder Coordination

LICENSES AND CERTIFICATIONS

- Professional Engineers (PE)
- American Concrete Institute (ACI)
- New Jersey Society of Asphalt Technicians (NJSAT)
- National Institute for Certification in Engineering Technologies (NICET)
- Rutgers Center for Advanced Infrastructure and Transportation (CAIT)
- Occupational Safety and Health Administration (OSHA)
- Snow and Ice Management Association (SIMA)
- Certified Survey Technician (CST)

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New Jersey I New York I Pennsylvania I Illinois

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REFERENCES

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Prime Contractor:

Route 1 & 9 Pulaski Skyway - Contract 6, Rehabilitation, Seismic Retrofit and Drainage
Owner: New Jersey Department of Transportation
Contract Value: $42,355,636 - 2013 to Present
Nina Chivulescu – NJDOT PM
Nina.Chivulescu@dot.nj.gov
Direct: (609) 598-1321

Major Subcontractor:

Newark Bay-Hudson County Extension, Section 2 Improvements -Final Design -No. T3922
Owner: New Jersey Turnpike Authority
Contract Value: $2,014,229 - 2024 to Present
Seth Condell, PE – Parsons PM
Seth.condell@parsons.com
Direct: (212) 266-8398

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2012 Superstorm Sandy, Mantoloking, NJ

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