

“CALL-IN” PROGRAMS, CATEGORIES, AND TERMS *

AUDIT DEPARTMENT

Internal Audit Services **2014 – 2018**

AVIATION DEPARTMENT

2014 – 2018

1. Aeronautical, Environmental & Technical Services
2. Airport Capacity Planning
3. Airport Facility Planning
4. Financial & Business Analysis of Capital Projects
5. Security Services
6. EWR Redevelopment Program – Delivery Support **2016-2021**

CHIEF OPERATING OFFICER

1. Asset Lifecycle Management **2018-2021**
2. Operations Analysis **2018-2021**

CHIEF SECURITY OFFICER

Arch., Eng. Design & Technical Security Services **2015 – 2019**

ENGINEERING DEPARTMENT

A. ENGINEERING/ARCHITECTURE DESIGN DIVISION (415) **2015 – 2018**

1. Architecture
 - a. Design (M/WBE)
 - b. Design
 - c. CADD & BIM Services
 - d. Code and Zoning Analysis
 - e. Digital Rendering and Animation
 - f. Exterior Wall and Waterproof
 - g. Graphics Way-finding
 - h. Architectural Landscaping
 - i. Model Making
 - j. Photography
 - k. Specifications Preparation
 - l. Sustainable Design
 - m. Window and Curtain Wall Design
2. Civil Engineering
 - a. Airfield Design
 - b. Design
 - c. Design M/WBE
 - d. Pavement Management

- e. Pavement Roughness
- f. Rail Design
- 3. Electrical Engineering
 - a. Aeronautical
 - b. Corrosion
 - c. DC Traction
 - d. Design
 - e. Fire Alarms
 - f. Lighting
 - g. Design M/WBE
 - h. Manuals Preparation
 - i. Radio Design
 - j. Electronics
- 4. Environmental Engineering
 - a. Asbestos
 - b. Database M/WBE
 - c. Design
 - d. Design M/WBE
 - e. Ecology
- 5. Geotechnical Engineering
 - a. Geotechnical
 - b. Database Management
 - c. Database Management M/WBE
 - d. Dredging
 - e. Dynamic Pile
 - f. M/WBE
 - g. Tunneling
 - h. Geophysical
- 6. Mechanical Engineering
 - a. Baggage Handling
 - b. Central Heating and Refrigeration Plant
 - c. Commissioning
 - d. Design M/WBE
 - e. Fire Protection
 - f. HVAC
 - g. Plumbing
 - h. Smoke Management
 - i. Underground Fueling Storage Tanks & Aviation Fuel Systems
 - j. Vertical Transportation Systems

- 7. Structural Engineering
 - a. Bridges
 - b. Buildings
 - c. Design
 - d. Design M/WBE
 - e. Waterfront
- 8. Sustainable Design
- 9. Traffic Engineering
 - a. General Traffic Engineering
 - b. Intelligent Transportation Systems
 - c. General Traffic Engineering (M/WBE)
 - d. Planning
 - e. Roadway Permitting
 - f. Safety
 - g. Signal Design
- 10. Contract and Specification Support Services **2016 – 2018**
- B. Airport Traffic Call-In (415) 2018 – 2021**
 - 1. Planning and Design
 - 2. Construction and Operations Support
- C. Redevelopment (415) 2017 - 2019**
 - Design and Electrical Engineering
- D. CONSTRUCTION MANAGEMENT DIVISION (410)**
 - 1. Construction Management **2015 – 2018**
 - 2. Construction Management (MBE/WBE) **2017 – 2020**
 - a. Civil Construction Inspector
 - b. Construction Manager
 - c. Contract Administrator
 - d. Electrical Construction Inspector
 - e. Mechanical Construction Inspector
 - f. Structural Construction Inspector
 - 3. Land Surveying **2017 – 2020**
 - a. Hydrographic
 - b. Photogrammetric
 - c. Topo-Boundary
 - d. Topo-Boundary (M/WBE)
 - e. Utility Locating
 - f. I-Call Utility Mark-Out Services
 - 4. Multi-Facility Asbestos Material & Lead Paint **2016 – 2019**

E. QUALITY ASSURANCE DIVISION (405)	2016 – 2019
1. Bridges	
2. Buildings	
3. MWBE	
4. Tunnels	
5. Waterfront	
6. Vertical Transportation Systems	
7. Tenant Alteration Application (TAA) Code Review	2017 – 2020
8. Fire Protection and Life Safety	2015 – 2018
9. Construction Inspection Services	2017 – 2020
F. MANAGEMENT SERVICES (402)	2016 – 2019
1. Application Management	
2. CADD	
3. Cost Estimating	
4. BIM	
5. Project Delivery	
6. Project Delivery MWBE	
7. Info and Data Management	
8. Operational Analysis and Support	
9. Project Management	2018 – 2019
G. MATERIALS TESTING DIVISION (426)	
1. <u>Sampling, Testing & Condition Surveys</u>	2018 – 2021
a. API-653 Tank Inspection Services	
b. Asbestos & Lead	
c. Bituminous Concrete & Portland Cement	
d. Electrical Cable Testing & Analysis	
e. Geotechnical Environmental Field Inspection	
f. Pavement Smoothness Testing	
2. <u>Sampling, Testing & Condition Surveys</u>	2015 – 2018
a. Fire Stopping Services	
b. Traffic Protection Services	
c. Water Treatment Services	
3. <u>Sampling, Testing & Condition Surveys</u>	2017-2020
a. Timber Testing & Inspection	
b. Concrete Structure Condition Surveys	
c. Asphalt Binder & Asphalt Pavement Mix Testing	
d. Metallurgical Testing & Analysis	
e. Structural Steel Inspection & Nondestructive Testing	
f. Structural Steel Radiographic Testing	

- g. Structural Coatings
- h. Geotechnical Investigations & Monitor Well Installation
- i. Marine Condition Surveys
- j. Noise Monitoring/Analysis & Field Sampling Services
- k. Cleaning & Closed Circuit TV Inspection of Storm Drain Systems
- l. Emission Inventory & Reduction
- m. Chemical/Environmental Analysis & Field Sampling Services
- n. Ambient Air Quality Monitoring & Analysis Services

HUMAN RESOURCE DEPARTMENT

2016 – 2018

Recruitment and Sourcing Services (Executive, Mid-Level and Technical)

OFA

Financial and Business Advisory Services

2016 – 2019

PATH

1. PATH Planning

2017 – 2021

- a. Market Research
- b. Activity Counts and Facility Operations
- c. Transportation Planning / Operations Support

2. Logistics Planning, Rail Planning and Management Services

2018 - 2022

PMO

1. Project Risk Management

2016 – 2019

2. Project Risk Management (M/WBE)

2016 – 2019

3. Project Delivery Support Services (M/WBE)

2016 – 2019

4. Project Management Services (M/WBE)

2016 – 2019

5. Project Management Services

2015 – 2019

PORT COMMERCE DEPARTMENT

Port Planning & Marine Infrastructure

2018 – 2021

- 1. General Port Services
- 2. Rail Facility Planning, Operations, and Maintenance
- 3. Real Estate and Industrial Real Estate Planning and Analysis
- 4. Automotive Analysis

REAL ESTATE

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| 1. Architectural Interior Design | 2016 – 2019 |
| 2. <u>Real Estate Call-In</u> | 2016 – 2018 |
| a. Advisory Services | |
| b. Appraisal Services | |
| c. Urban Planner | |
| d. Urban Planner (M/WBE) | |

TECHNOLOGY DEPARTMENT

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| Enterprise Content Management Services (L. Brown) | 2015 – 2018 |
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TREASURY DEPARTMENT

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| <u>Underwriting Services</u> | 2016 – 2018 |
| 1. Senior Managing Underwriter | |
| 2. Co-Managing Underwriter | |

TUNNELS, BRIDGES AND TERMINALS

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| | 2018 – 2021 |
| 1. General Transportation and Data Collection | |
| 2. Operations and Transportation Planning | |
| 3. Market Research and Customer Data Analytics | |
| 4. Forecasting Analysis | |