Learning Objectives:

1. Attendees will learn about DDC’s Design Excellence Program.
2. Attendees will gain an understanding of the DDC Public Buildings division.
3. Attendees will learn about the ongoing capital program in Public Buildings.
4. Attendees will become familiar with the services and value DDC expects from construction management professionals.
$17 billion expected by 2020

$15 billion current portfolio value

598 active infrastructure portfolio

605 active public buildings portfolio

1419 in-house workforce

4207 projects completed since 1996

1300 consultant workforce

$20 billion completed since 1996

250+ awards won since inception

598 active infrastructure portfolio

605 active public buildings portfolio

1419 in-house workforce

4207 projects completed since 1996

1300 consultant workforce

$20 billion completed since 1996

250+ awards won since inception

as of January 23, 2017
Design Excellence 2.0
Healthy Living
Snug Harbor Cultural Center Music Hall

Growth
Taxi and Limousine Commission

Equity
40th Police Precinct

Resiliency
Far Rockaway Streetscape

Sustainability
Westchester Sq. Branch Library
Growth: Taxi and Limousine Commission Inspection Facility (before)
Equity: 40th Police Precinct (current)
Equity: 40th Police Precinct
CM: The LIRo Group, Designer: Bjake Ingels Group

Public Design Commission
Excellence in Design, 2016
Sustainability: Westchester Square Library (before)
Sustainability: Westchester Square Library

DDC Managed, Designer: Snohetta

Healthy Living: Snug Harbor Cultural Center Music Hall (before)
Healthy Living: Snug Harbor Cultural Center Music Hall

DDC Managed, Designer: Studio Joseph

Public Buildings Division
Citywide 10-Year Plan for DDC Client Agencies – Public Buildings

TOTAL: $15.1B

*billions of dollars
Public Buildings Contracts Pre-Design and Design

TOTAL: 303

TOTAL: $2.58B
Public Buildings in Construction and Close-Out

TOTAL: 405

TOTAL: $4.28B

- Executive Projects
- Libraries
- Human Services/DCAS/OneNYC/Health
- Culturals/Parks/Pass Through
- Sanitation/Transportation/DEP
- Corrections/Courts
- Fire/Police

$1,032,082
$713,040
$191,444
$248,238
$170,997
$63,697
$169,008
Public Buildings Contracts CM Managed vs. DDC Managed

**Total Dollar Value**
- CM Managed: $1,006,792
- DDC Managed: $4,292,410
- Total: $5,299,202

**Total Number of Projects**
- CM Managed: 156
- DDC Managed: 1848
- Total: 2004
Delivering The Work
<table>
<thead>
<tr>
<th>Services</th>
<th>Firms Awarded</th>
<th>Total Values Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roof/Façade Designs</td>
<td>3 firms</td>
<td>$9 M</td>
</tr>
<tr>
<td>Commissioning</td>
<td>2 firms</td>
<td>$20 M</td>
</tr>
<tr>
<td>Special Inspections and Laboratory Testing</td>
<td>3 firms</td>
<td>$9 M</td>
</tr>
<tr>
<td>MEP Engineering (new contracts in procurement)</td>
<td>5 firms (current contracts)</td>
<td>$10 M (current contracts)</td>
</tr>
<tr>
<td></td>
<td>11 firms (contracts in procurement)</td>
<td>$36 M (contracts in procurement)</td>
</tr>
<tr>
<td>Structural Engineering (in procurement)</td>
<td>4 firms (contracts in procurement)</td>
<td>$14 M (contracts in procurement)</td>
</tr>
<tr>
<td>Landscape Architecture (in procurement)</td>
<td>4 firms (contracts in procurement)</td>
<td>$14 M (contracts in procurement)</td>
</tr>
<tr>
<td>Contracts</td>
<td>Firms Awarded</td>
<td>Contract Capacity</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------</td>
<td>-------------------</td>
</tr>
</tbody>
</table>
| Micro     | Architecture in Formation  
Body Lawson Associates  
Buro Koray Duman Architecture  
Dean/Wolf Architects  
Elmslie Osler Architect  
G Tects Architecture  
Gans Studio: Architecture  
Jordan Parnass Digital Architecture  
Sen Architects  
Slade Architecture | $4 M |
| Small     | Atelier Pagnamenta Torriani Architects Planners  
H3 Hardy Collaboration Architecture  
Huff + Gooden Architects  
IKON.5 Architects  
Jaklitsch/Gardner Architects  
Levenbetts  
LTL Architects (Lewis, Tsurumaki, Lewis)  
OBRA Architects  
Rice + Lipka Architects (Lyn Rice Architects)  
Zakrzewski + Hyde Architects (Stas Zakrsewski Architect) | $6 M |
<table>
<thead>
<tr>
<th>Contracts</th>
<th>Firms Awarded</th>
<th>Contract Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium</td>
<td>Allied Works Architecture, BKS K Architects, Weiss/Manfredi Architects</td>
<td>$8 M</td>
</tr>
<tr>
<td>Large</td>
<td>Dattner Architects, Marvel Architects (Rogers Marvel Architects), Studio Gang</td>
<td>$10 M</td>
</tr>
<tr>
<td>Contract/Firm Type</td>
<td>No. of Full-Time Technical Staff</td>
<td>Construction Value Ranges</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------------------</td>
<td>---------------------------</td>
</tr>
</tbody>
</table>
| Micro             | 1-5                             | • Any project requiring partial CM staffing  
|                   |                                 | • Any project requiring consulting services | $5 Million       | 7               |
| Small             | 6-50                            | • Projects with estimated construction cost $5 Million or less requiring comprehensive CM services  
|                   |                                 | • Any project requiring consulting services | $12 Million      | 7               |
| Medium            | 51-125                          | • Projects with estimated construction cost of more than $5 Million and up to $30 Million requiring comprehensive CM services  
|                   |                                 | • Any project requiring consulting services | $15 Million      | 5               |
| Large             | 126+                            | • Projects with estimated construction cost of more than $30 Million requiring comprehensive CM services  
|                   |                                 | • Any project requiring consulting services | $25 Million      | 5               |

**New CM Contracts**
<table>
<thead>
<tr>
<th>Contract/Firm Type</th>
<th>No. of Full-Time Technical Staff</th>
<th>Construction Value Ranges</th>
<th>Total Not to Exceed Amount</th>
<th>No. of Contracts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro</td>
<td>1-5</td>
<td>- Any project requiring partial CM staffing</td>
<td>$5 Million</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Any project requiring consulting services</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Micro Contracts:**

1) Elite Construction Company of NY, LLC
2) MTO-Pros Developments
3) Sardonyx Engineering, P.C.
4) ZI Engineering, P.C.
5) W. Allen Engineering, PLLC
6) Architecture & Engineering Group (AEG), P.C.
7) JPCL Engineering, LLC
<table>
<thead>
<tr>
<th>Contract/Firm Type</th>
<th>No. of Full-Time Technical Staff</th>
<th>Construction Value Ranges</th>
<th>Total Not to Exceed Amount</th>
<th>No. of Contracts</th>
</tr>
</thead>
</table>
| Small              | 6-50                            | - Projects with estimated construction cost $5 Million or less requiring comprehensive CM services  
                       |                                  | - Any project requiring consulting services                                                | $12 Million               | 7                |

**Small Contracts:**
1) The McCloud Group, LLC  
2) A1 Works-In-Progress Associates  
3) Techno Consult, Inc.  
4) JED Engineering, P.C.  
5) Info Tran Engineers, P.C.  
6) SI Engineering, P.C.  
7) CES Consultants, Inc.
<table>
<thead>
<tr>
<th>Contract/Firm Type</th>
<th>No. of Full-Time Technical Staff</th>
<th>Construction Value Ranges</th>
<th>Total Not to Exceed Amount</th>
<th>No. of Contracts</th>
</tr>
</thead>
</table>
| Medium            | 51-125                          | • Projects with estimated construction cost of more than $5 Million and up to $30 Million requiring comprehensive CM services  
• Any project requiring consulting services | $15 Million                  | 5               |

**Medium Contracts:**

1) The McKissack Group, Inc.
2) Epic Management of NY, LLC
3) Haider Engineering, P.C.
4) AI Engineering Inc., P.C.
5) Urban Engineers of New York, D.P.C.
<table>
<thead>
<tr>
<th>Contract/Firm Type</th>
<th>No. of Full-Time Technical Staff</th>
<th>Construction Value Ranges</th>
<th>Total Not to Exceed Amount</th>
<th>No. of Contracts</th>
</tr>
</thead>
</table>
| Large             | 126+                             | • Projects with estimated construction cost of more than $30 Million requiring comprehensive CM services  
                   |                                  | • Any project requiring consulting services | $25 Million     | 5                |

**Large Contracts:**

1) Pending
2) Pending
3) Pending
4) Pending
5) Pending
<table>
<thead>
<tr>
<th>Pin #</th>
<th>Category</th>
<th># Firms</th>
<th>CV</th>
</tr>
</thead>
<tbody>
<tr>
<td>8502016QB0001C</td>
<td>General Construction – Small Projects</td>
<td>17</td>
<td>$500 K – $3 M</td>
</tr>
<tr>
<td>8502016QB0002C</td>
<td>General Construction – Medium Projects</td>
<td>10</td>
<td>$3 M – $10 M</td>
</tr>
<tr>
<td>8502016QB0003C</td>
<td>General Construction – Large Projects</td>
<td>8</td>
<td>$10 M +</td>
</tr>
<tr>
<td>8502015QB0002C</td>
<td>Installation of Roofing System Cold Fluid Applied Reinforced Membrane Roofing System</td>
<td>8</td>
<td>$200 K – $10 +</td>
</tr>
<tr>
<td>8502015QB0001C</td>
<td>Installation of roofing Systems SBS Modified Bitumen Roofing System</td>
<td>7</td>
<td>$200 K – $10 +</td>
</tr>
<tr>
<td>8502015QB0003C</td>
<td>Reconstruction and Restoration of Landmark-Quality Buildings</td>
<td>11</td>
<td>$2 M – $25 M</td>
</tr>
</tbody>
</table>

PQL Contractors
HOW TO APPLY:

http://ddcftp.nyc.gov/FRQ/
<table>
<thead>
<tr>
<th>UNIT</th>
<th>DESCRIPTION</th>
<th>CV SCALE ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CULTURALS</td>
<td>RENOVATION OF CARMAN HALL</td>
<td>$1-5M</td>
</tr>
<tr>
<td>CULTURALS</td>
<td>DANCEWAVE RENOVATION</td>
<td>$1-5M</td>
</tr>
<tr>
<td>DEP</td>
<td>CROTON WATER TREATMENT PLANT (BX)</td>
<td>$60M +</td>
</tr>
<tr>
<td>DEP</td>
<td>NEWTON CREEK NATURE WALK</td>
<td>$5M +</td>
</tr>
<tr>
<td>HUMAN SERVICES</td>
<td>BELLEVUE ROOF FAÇADE AND UPGRADES</td>
<td>$20-30M</td>
</tr>
<tr>
<td>HUMAN SERVICES</td>
<td>CENTER FOR THE WOMEN OF NY – INTERIOR/EXTERIOR RENOVATION OR EXISTING LANDMARK BUILDING (QNS)</td>
<td>$1-5M</td>
</tr>
<tr>
<td>LIBRARIES</td>
<td>FAR ROCKAWAY LIBRARY (QNS)</td>
<td>$20 +</td>
</tr>
<tr>
<td>POLICE</td>
<td>NEW 40TH PRECINCT (BX)</td>
<td>$40M+</td>
</tr>
</tbody>
</table>
Ongoing DDC Projects
Woodstock Interior Renovation & ADA Upgrade

Designer: Rice+Lipka Architects
Wavertree Vessel Stabilization and Restoration

DDC Managed
Designer: Archipelago Architecture and Landscape Architecture, LLC
FDNY New Firehouse for Rescue 2

CM: The LiRo Group
Designer: Studio Gang Architects
East 91st Street Marine Transfer Station

CM: URS-LiRo JV
Designer: Greeley and Hansen
Integrated Delivery*

*This is not a newly identified delivery method by the State, City or any municipality. It is a JOKE about what we hope to have tools to do one day...
<table>
<thead>
<tr>
<th>Contract</th>
<th>Cost</th>
<th>Borough</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanks PW348-61</td>
<td>$15 Million</td>
<td>Bronx/Manhattan</td>
</tr>
<tr>
<td>Tanks PW348-62</td>
<td>$24 Million</td>
<td>Queens/Brooklyn/S.I.</td>
</tr>
<tr>
<td>Remediation PW348-63</td>
<td>$7 Million</td>
<td>Bronx/Manhattan</td>
</tr>
<tr>
<td>Remediation PW348-64</td>
<td>$11 Million</td>
<td>Queens/Brooklyn/S.I.</td>
</tr>
<tr>
<td>Tanks PW348-71</td>
<td>$28 Million</td>
<td>Manhattan</td>
</tr>
<tr>
<td>Tanks PW348-72</td>
<td>$22 Million</td>
<td>Bronx</td>
</tr>
<tr>
<td>Tanks PW348-73</td>
<td>$20 Million</td>
<td>Queens</td>
</tr>
<tr>
<td>Tanks PW348-74</td>
<td>$30 Million</td>
<td>Brooklyn/S.I.</td>
</tr>
</tbody>
</table>
1. Rehabilitate

2. Elevate

3. Reconstruction

94% Served

520 DDC Completed

435 In Construction

BUILD IT BACK REGISTRANTS
BUILD IT BACK/HOUSING RECOVERY

• 3 Borough CM’s Awarded
  – LiRo: Brooklyn
  – SLS: Staten Island & Modular
  – Tishman: Queens
Construction Management Expectations
Key Challenges

• Client Scope vs. Funding
• Setting Realistic Expectations & Goals
• Bureaucratic Processes
• Managing Lowest Responsible & Responsive Bidder
• Anticipating Cost Impacts on Limited Budgets
• Long Project Life Cycle
The Basics from Our Construction Management Expectations

- Qualified and Professional Staff
- Business Acumen & Good Judgement
- Shared Accountability and Stakeholder Partnership
- Clear Communication & Learning
- Inclusive, Collaboration Process
- Aligned decision making
- Risk Management
- Comprehensive Schedule Planning
- Cost Management that Anticipates Future Risk
- Close Out Planning & Management
The Exceptional Value we Need From our CM’s

- An Organizational Safety Culture
- Exceptional & Trusted Advisors to the Program
- Pushing Decisions to Save Time & Money
- Developing Tools and Processes for the Whole Team
- Identifying Efficiencies (project or organization)
- Innovative Solutions that Can Help us Change
  - Web-based software to better manage projects
- Good judgement
- Staff that drive construction progress
- Project objective – on schedule, on budget
CM Opportunities
<table>
<thead>
<tr>
<th>Client Agency</th>
<th>Project Name</th>
<th>CM Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Homeless Services</td>
<td>Atlantic Armory Fire Alarm</td>
<td>CM Small</td>
</tr>
<tr>
<td>Department of Homeless Services</td>
<td>6 JOCs Fire Alarm Projects (Program Management)</td>
<td>CM Medium</td>
</tr>
<tr>
<td>Department of Citywide Administrative Services</td>
<td>1 Centre Street Façade and Roof</td>
<td>CM Medium</td>
</tr>
<tr>
<td>Department of Citywide Administrative Services</td>
<td>22 Reade Façade</td>
<td>CM Medium</td>
</tr>
<tr>
<td>Department of Homeless Services</td>
<td>Pamoja House Fire Alarms and Boiler</td>
<td>CM Medium</td>
</tr>
<tr>
<td>Department of Environmental Protection</td>
<td>Clove Road Facility</td>
<td>CM Large</td>
</tr>
</tbody>
</table>
Brooklyn Supreme Court Life Safety Project

Design Team: Loring Consulting Engineers, Inc
Purcell Architects
<table>
<thead>
<tr>
<th>Contract</th>
<th>CM</th>
<th>Cost</th>
<th>Borough</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanks / EPA Sumps PW348-81</td>
<td>Under Procurement</td>
<td>$25 Million</td>
<td>Manhattan</td>
</tr>
<tr>
<td>Tanks / EPA Sumps PW348-82</td>
<td>Under Procurement</td>
<td>$25 Million</td>
<td>Bronx</td>
</tr>
<tr>
<td>Tanks / EPA Sumps PW348-83</td>
<td>Under Procurement</td>
<td>$25 Million</td>
<td>Queens</td>
</tr>
<tr>
<td>Tanks / EPA Sumps PW348-84</td>
<td>Under Procurement</td>
<td>$25 Million</td>
<td>Brooklyn/S.I.</td>
</tr>
</tbody>
</table>
Upcoming Contracting CM Opportunities – Public Buildings

- DSNY Garage
  1/3 Garage 1000 West Service Rd.
  Staten Island, $100M

- ACS Crossroads
  Juvenile Center, $165M
  Bronx

- ACS Horizon
  Juvenile Center, $165M
  Brooklyn

- DEP Facility
  Clove Road Facility
  Staten Island, $30M
<table>
<thead>
<tr>
<th>Client Agency</th>
<th>Project Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Health and Mental Hygiene</td>
<td>Bronx Animal Shelter and Office Expansion</td>
</tr>
<tr>
<td>Department of Citywide Administrative Services</td>
<td></td>
</tr>
<tr>
<td>Department of Health and Mental Hygiene</td>
<td>Brooklyn New Animal Shelter</td>
</tr>
<tr>
<td>Department of Citywide Administrative Services</td>
<td></td>
</tr>
<tr>
<td>NYC Administration for Children’s Services</td>
<td>Nicholas Scoppetta Children’s Center</td>
</tr>
<tr>
<td>NYC Administration for Children’s Services</td>
<td></td>
</tr>
</tbody>
</table>

**Ongoing CPSD Projects/Studies**
DOC and FDNY Training Academies at Fort Totten

CM: TBD
Designer: Smith-Miller + Hawkinson
<table>
<thead>
<tr>
<th>Client Agency</th>
<th>Project Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Sanitation</td>
<td>DSNY Garage</td>
</tr>
<tr>
<td>NYC Administration for Children’s Services</td>
<td>ACS Crossroads Juvenile Center</td>
</tr>
<tr>
<td>NYC Administration for Children’s Services</td>
<td>ACS Horizon Juvenile Center</td>
</tr>
<tr>
<td>New York Police Department</td>
<td>Rodman’s Neck Firearms Training Facility</td>
</tr>
<tr>
<td>Department of Corrections and Fire Department of New York</td>
<td>Training Academies at Fort Totten</td>
</tr>
</tbody>
</table>