

# NYC Mobile Crane Project Stages

## Planning

- Assess weights and placements of loads
- Assess crane type, model & configuration
- Confirm crane and configuration is available from vendor
- Determine location:
  - Reach for pick and placements
  - Assembly/disassembly space
  - Parking/laydown
  - Existing site conditions consideration (including existing and upcoming conditions such as planned excavations)
  - Construction elements (fences, sidewalk bridges, hoists, etc.)
- Assess surrounding structures and site conditions
  - SOE
  - Foundations
  - Utilities and vaults
  - Existing buildings
  - Existing tunnels, bridges
  - Determine Crane Support (Cribbing) and availability
- Assess access/means for assembly/disassembly
- Determine parking requirements for high winds
- Determine pick zone
  - Over-swing of active/occupied space
  - Pedestrian/traffic control
- Coordinate with DOT to secure public space needed (roadways & sidewalks)
- Existing Buildings need Master Rigger supervision (or Rigger foreman)

## Filing

- CD4 (on-site) application, including drawings and calculations, certifications
- File with other agencies (DOT, TA, PA, SCA, etc.)
- If new structures are impacted (such as SOE, new building foundations), EOR letters are needed for approval
- After Approval:
  - Notifications to DOB required before arrival and after departure
  - For all cranes, the crane EOR must sign off the CD8
  - Cranes requiring Assembly/Disassembly require CD8 AD sign off

## Prior to Bringing Crane on Site

- Secure CN application approval and DOT permits
- Verify site conditions match approved drawings in CN
- Book crane with configuration that matches approval
- Confirm crane support (cribbing) is available that matches CN
- Confirm experienced, trained and credentialed Operator and rigging crew, Lift Director and Assembly / Disassembly Director
- Review wind limitations/parking requirements for the crane
- Verify upcoming weather conditions for work window (if applicable)