

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
 - EOR performs inspection at crane arrival and completes CD8
 - Additional forms CD8-AD and CD8-TR may be needed
 - For cranes over 250' boom and jib, C&D inspector must be scheduled with forms CD21 and CD22 to audit crane set-up
 - While on site C&D inspector will issue a site specific CD2 form

Prior to Bringing Crane on Site

- Secure CN application approval and DOT permits
- Confirm AHV are in place
- Check DOT permits hours and other stipulations
- 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)