

# NYC Tower Crane Project Stages

## Planning

- Determine crane type
- Optimize work location
- Consider structural support
- Verify weathervaning
- Verify erection/dismantling , climbing
- Harmonize with other construction
- Harmonize w. building elements
- Harmonize w/ Site Safety Plan
- Verify power supply

## Foundation

- Coordinate w/ building foundation
- Determine crane loads
- File CN for foundation construction
- Obtain CD8 –TR (Special Inspection)
- Submit 3<sup>rd</sup> party report for anchorage hardware
- Fabricate/install anchor hardware
- Survey to assure that crane will be plumb, properly positioned and at the correct elevation

## Freestanding

- Register CD
- Verify that \$80 million insurance is on file with DOB
- Amend CN for freestanding phase
- File 3<sup>rd</sup> party inspection report
- Prepare load test procedure
- Arrange unassembled/assembled inspection by DOB
- Prepare CD8-AD form

## Assembly

- Sign up Master/Tower Rigger
- File CN for assembly cranes
- Prepare rigging/assembly procedure
- Set up pre-erection meeting
- File CD7/AHV
- Procure DOT permits, arrange closings
- Arrange inspection of assist crane
- Notify TA (if needed)

## Jumps

- Sign up Master/Tower Rigger
- Obtain CN approval of jump phases
- File CD7/AHV
- Perform Pre-jump inspection
- Obtain reports for 3<sup>rd</sup> party & CD8-TR (Special Inspection)
- Obtain CD8-AD
- Arrange C&D unassembled inspection (top climbing only)

## Removal

- Sign up Master/Tower Rigger
- Obtain CN for dismantling crane
- Prepare Rigging/disassembly procedure
- Perform pre-dismantling inspection
- Obtain CD8-AD
- File CD7/AHV
- Set up pre-dismantling meeting
- Procure DOT permits, arrange closings
- Arrange inspection of assist crane
- Notify TA (if needed)