

Feb 18, 2022

ARE 320L FridayNoon Lectures

Creating Land: Converting Challenges into Opportunities

Speakers: Bradley Young (+Dave Horos)

Skidmore, Owings, Merrill

Urban Population Growth

- Today, more than 50% of world population lives in cities
- By 2050, 75% of pop will be urbanized
- Ex: Manhattan Urban Population movement– varies with time of day and day of the week

Projects Highlighted (3)

- **35 Hudson Yards**
 - Completed 2019
 - 1000ft (305m)
 - 72 stories
 - New York, NY
 - Train tracks right underneath building
 - Aligned Approach
 - Bring down entire structure unto large structural steel transfer platforms
 - Reinforced concrete central core, columns
 - Flat plate slabs
 - Sandwich plate columns
- **Manhattan West Dvlpmnt (2 bldgs)**
 - Design Completed in 2015
 - 995 ft (303 m)
 - 70 stories
 - **1 Manhattan West**
 - Concrete core steel Framing bldg
 - Office, residential, etc
 - **2 Manhattan West**
 - Entirely structural steel
 - Integrated approach
 - Market: Office
 - 935 ft (288 m)



- Some construction images

