

PENN MEDICINE PAVILION



Penn**FIRST**



Foster +
Partners



Balfour Beatty



PRESENTER: KYLE MACGEORGE

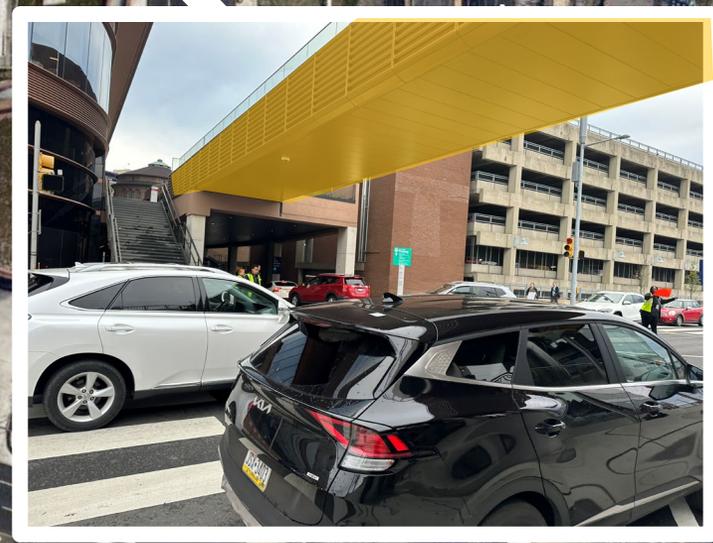
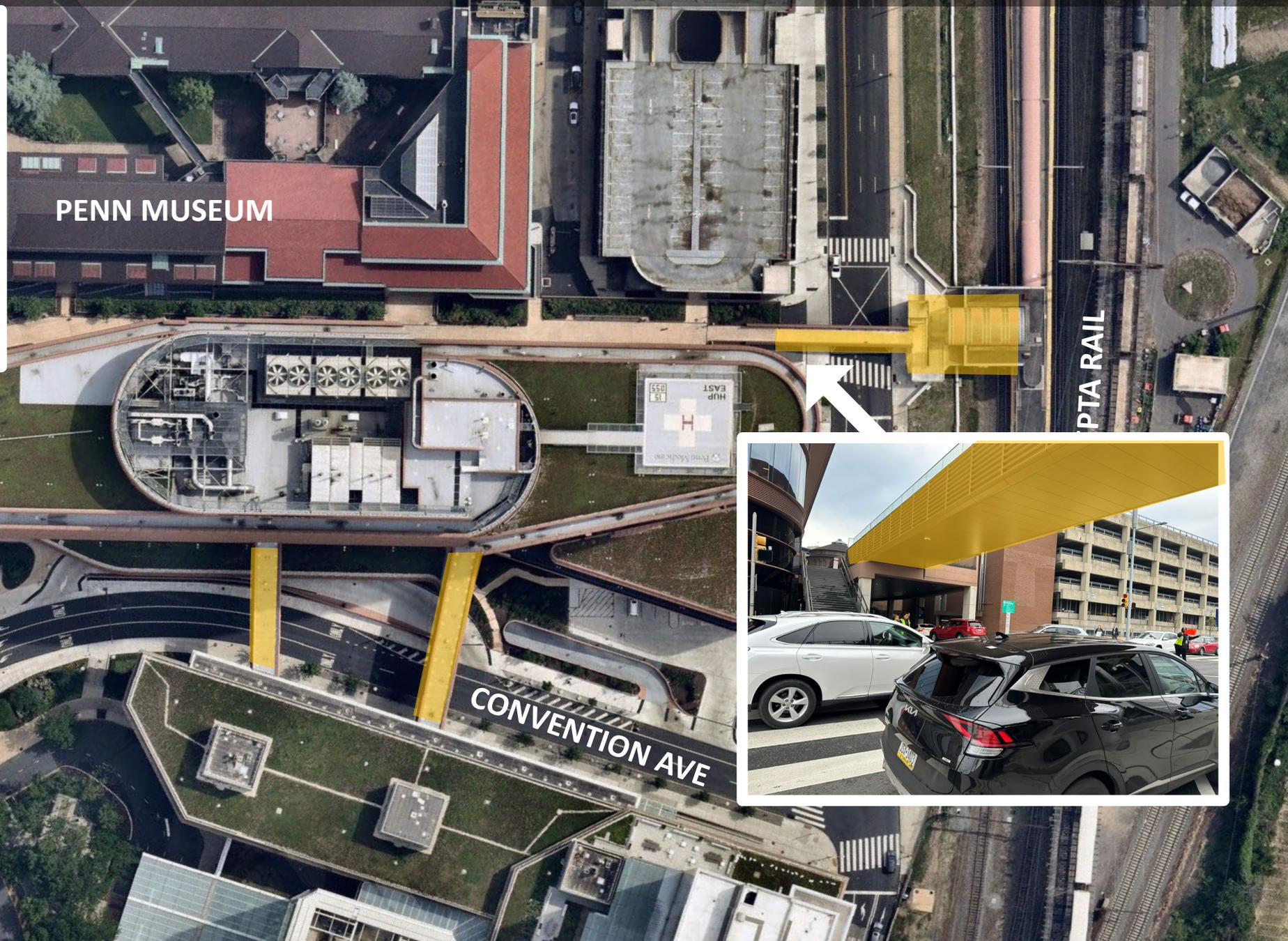
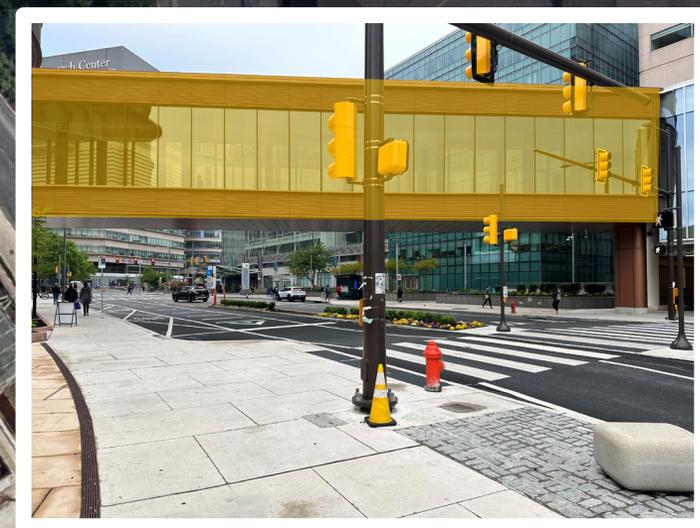
LANGAN

PENN MEDICINE PAVILION: SITE/CIVIL INTEGRATION TO ANOTHER DIMENSION



- 17-story in-patient hospital
- 504 private patient rooms
- 47 operating and procedure rooms
- Integrated Project Delivery (IPD)
- A relocated and expanded ED
- 690-space subsurface parking garage
- Expanded healthcare delivery programs within the network
- Roadway realignment
- \$1.6B total project cost

PENN MEDICINE PAVILION: CONNECTIVITY



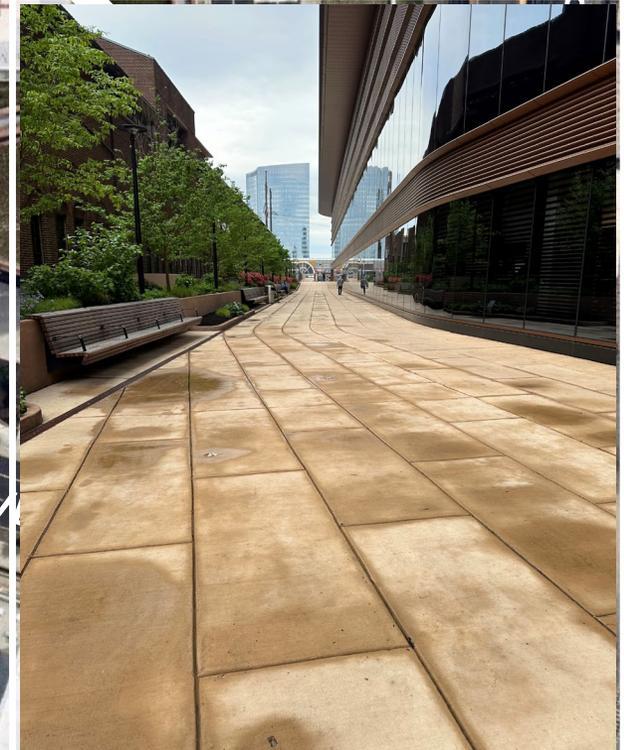
PENN MUSEUM

PTA RAIL

CIVIC CENT. BLVD

CONVENTION AVE

PENN MEDICINE PAVILION: CONNECTIVITY



PENN MEDICINE PAVILION: CONNECTIVITY



PENN MUSEUM

CIVIC CENT. BLVD

CONVENTION AVE

HEALTH SCI. DR.

SEPTA RAIL

HUP EAST

PENN MEDICINE PAVILION: CONNECTIVITY



PENN MUSEUM

PARKING GARAGE



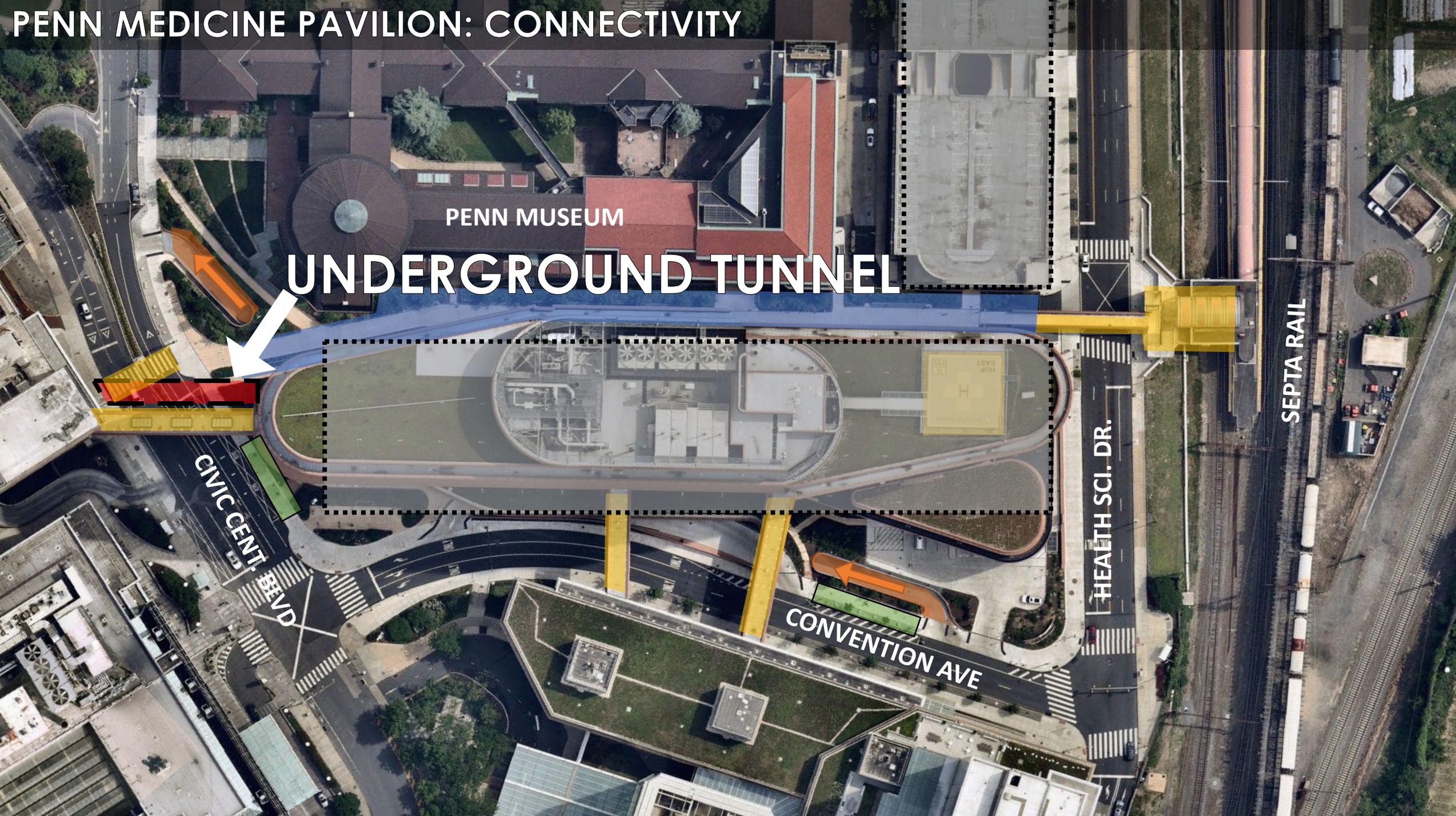
SUBSURFACE PARKING GARAGE

CONVENTION AVE



9.5T
WEIGHT
LIMIT

PENN MEDICINE PAVILION: CONNECTIVITY



PENN MUSEUM

UNDERGROUND TUNNEL

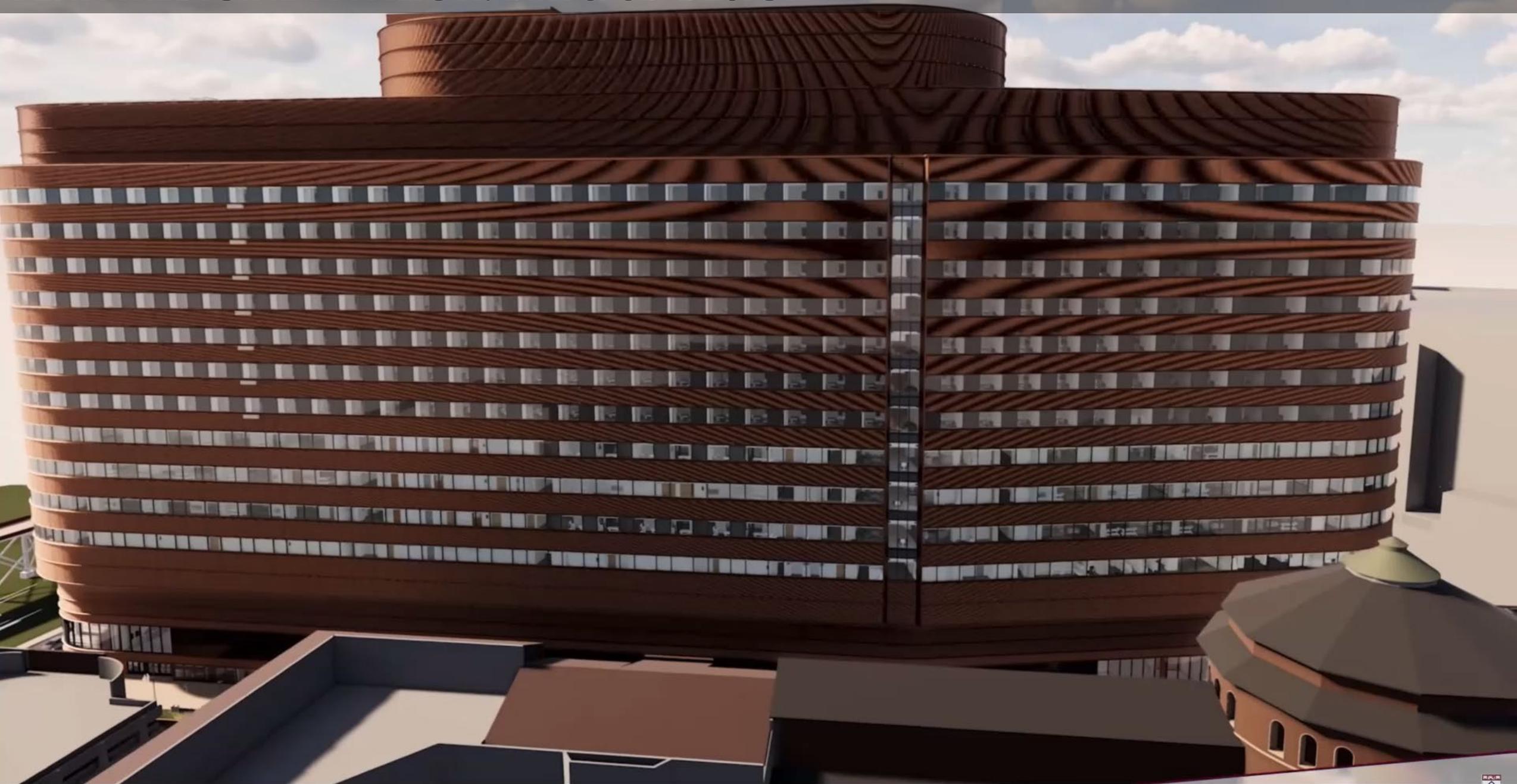
CIVIC CENT. BLVD

CONVENTION AVE

HEALTH SCI. DR.

SEPTA RAIL

PENN MEDICINE PAVILION: BIM & 3D DESIGN



PENN MEDICINE PAVILION: BIM & 3D DESIGN



CIVIL 3D

- SITE
- UTILITY
- GRADING
- TRUCK TURNS
- CISTERNS
- COORDINATE REFERENCES



REVIT

- ARCHITECTURE
- MEP
- STRUCTURAL
- ETC.



vmware®

Horizon View

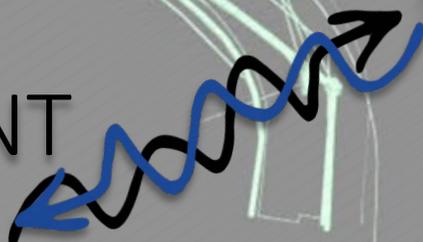
VDI



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LIDAR & POINT
CLOUD DATA



PENN MEDICINE PAVILION: BIM & 3D DESIGN

Autodesk Navisworks Manage 2022 - Untitled.nwf

Type a keyword or phrase

smflynn

Save Viewpoint | *Unsaved Viewpoint* | Save, Load & Playback

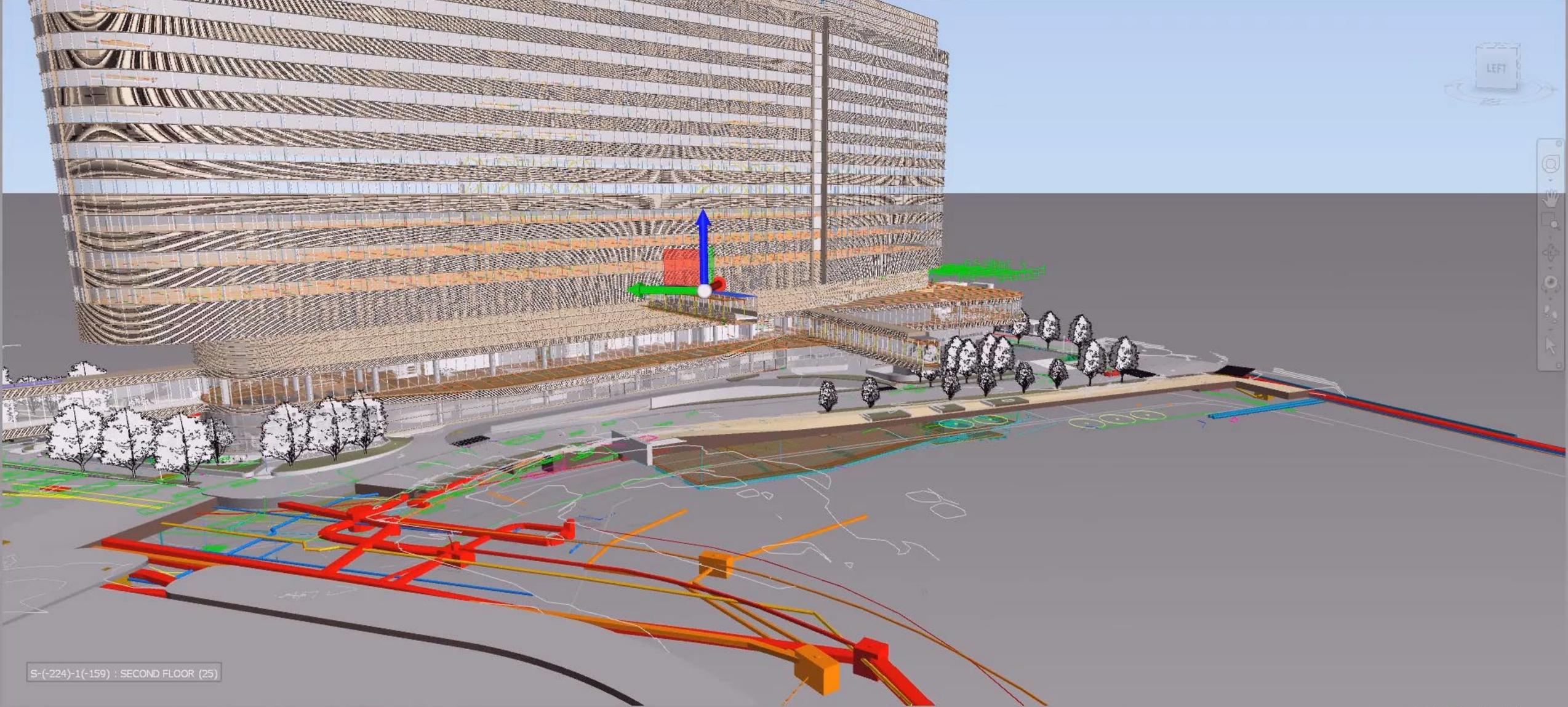
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Steering Wheels | Zoom Window | Walk | Orbit | 3Dconnexion | Navigate

Realism | Lighting | Mode | Render Style

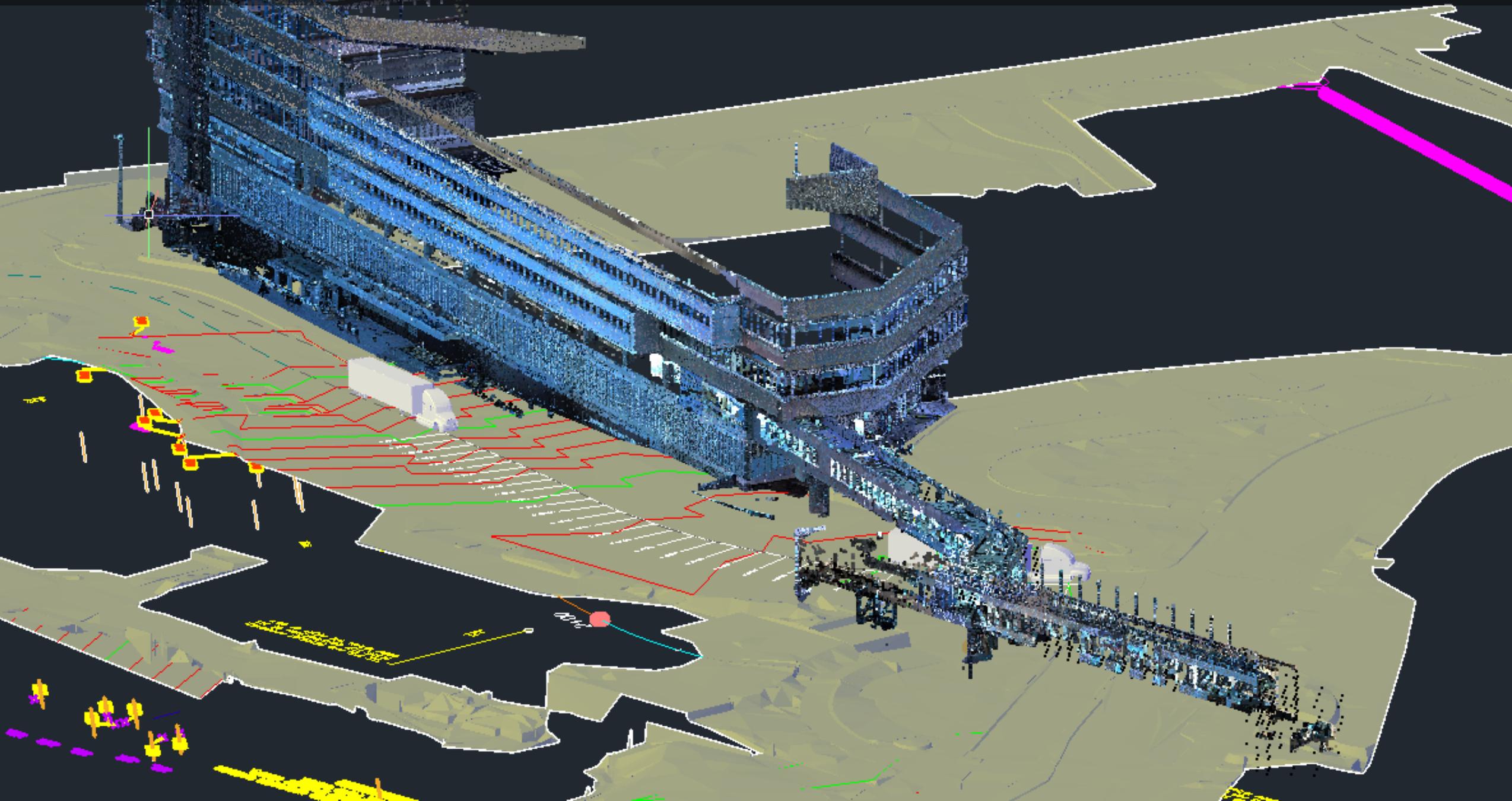
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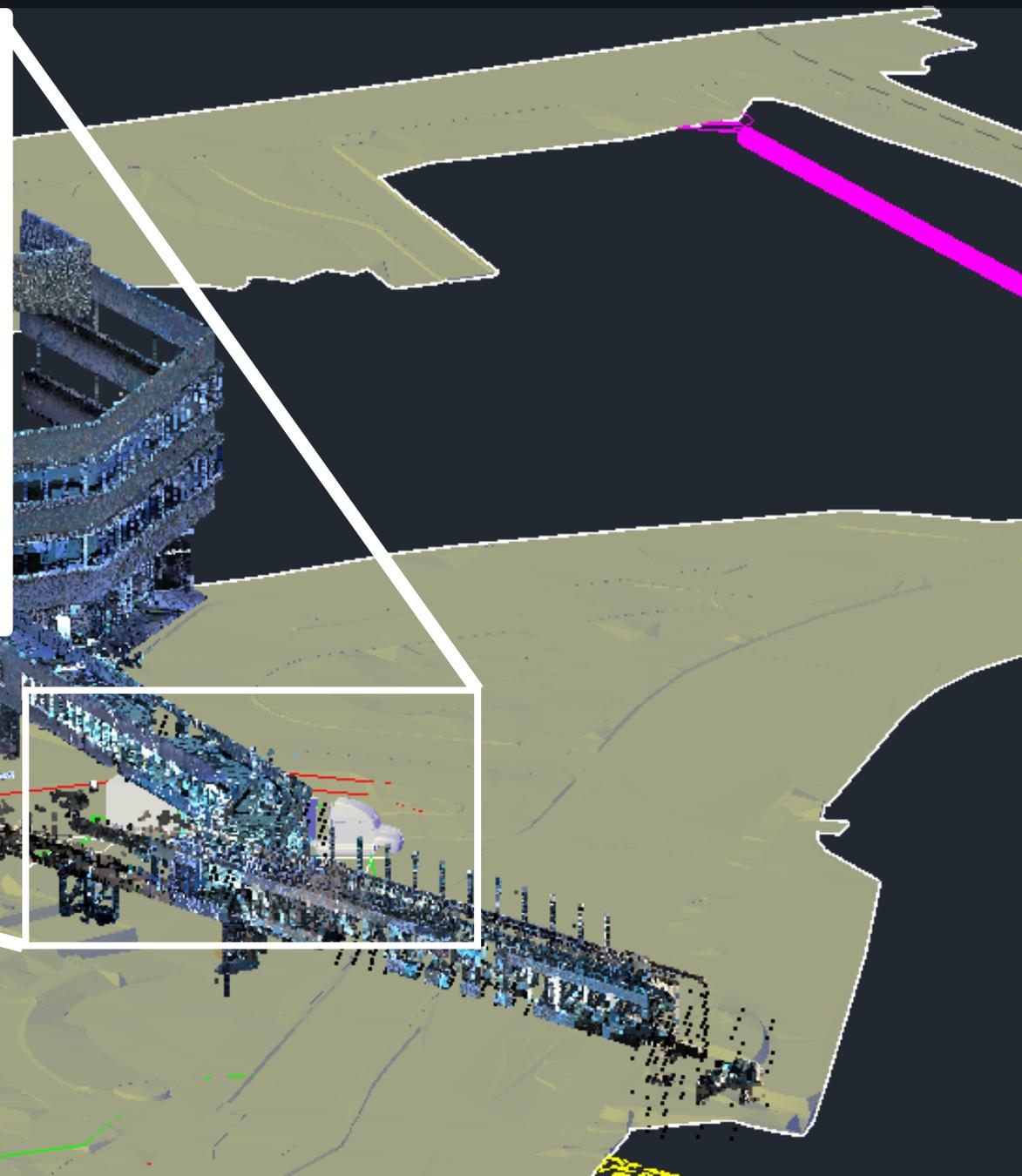
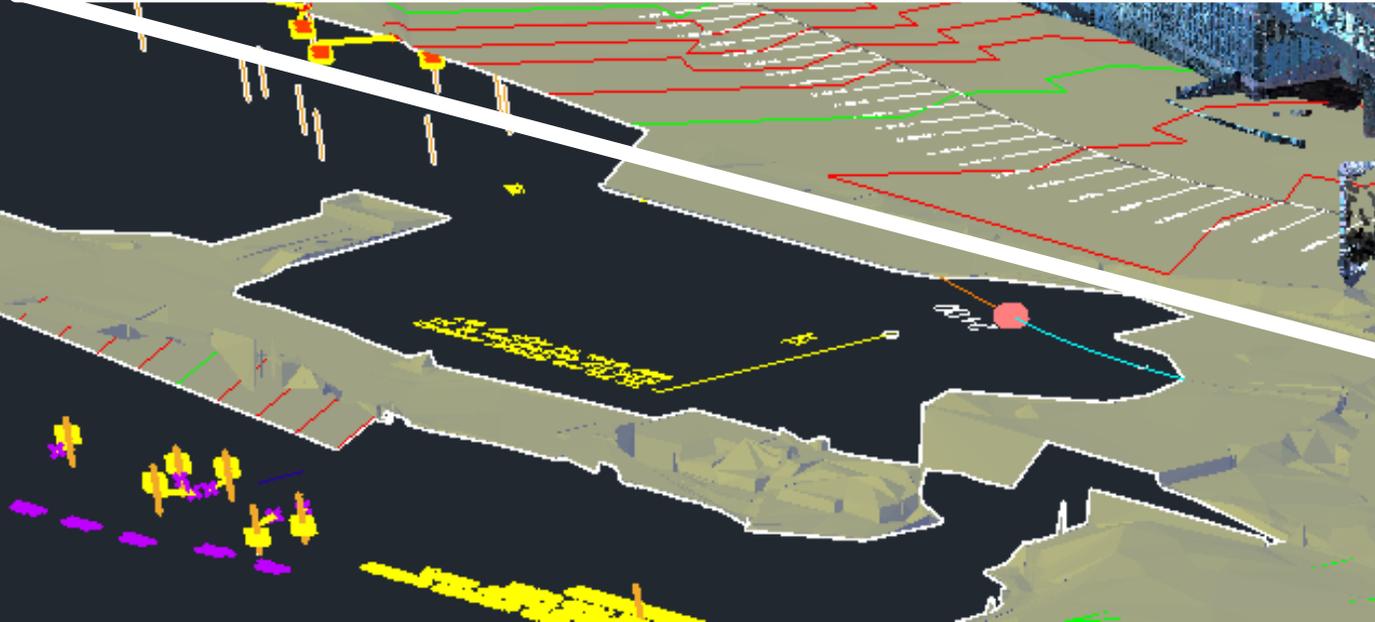
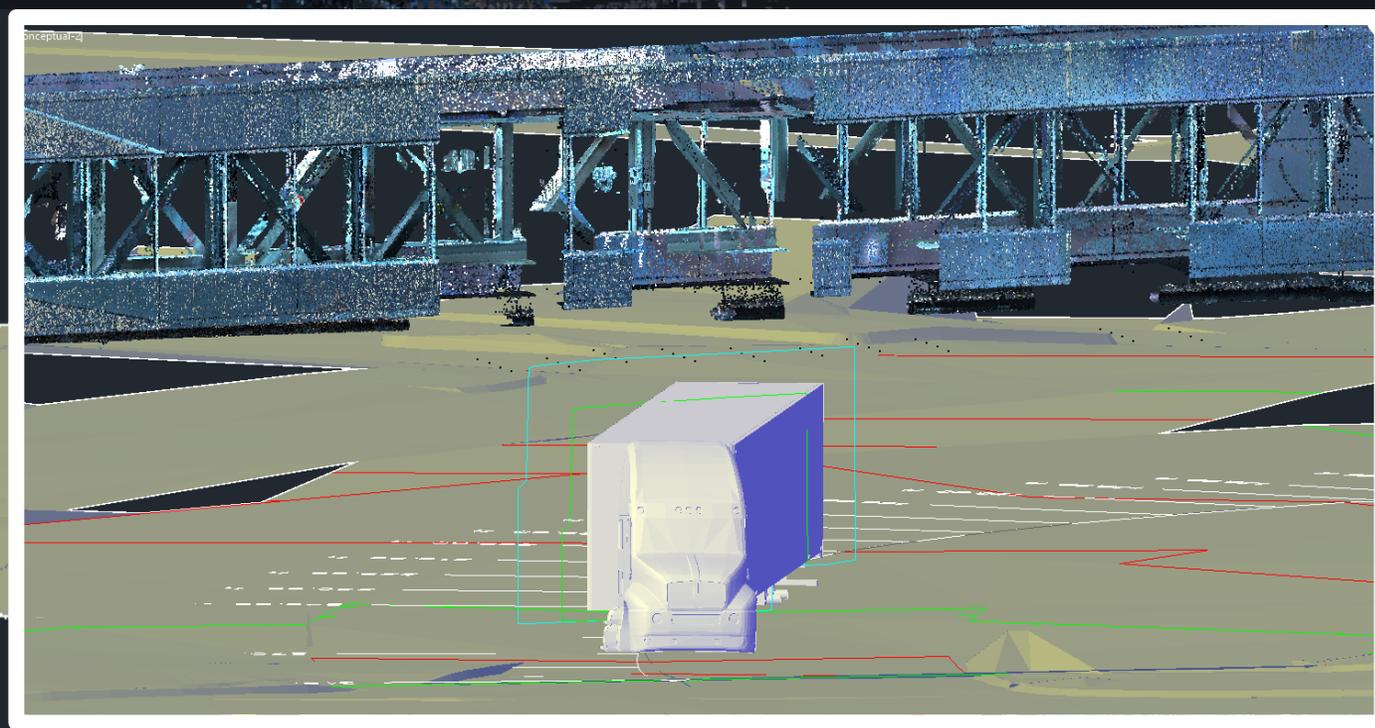


S-(-224)-1(-159) : SECOND FLOOR (25)

PENN MEDICINE PAVILION: BIM & 3D DESIGN



PENN MEDICINE PAVILION: BIM & 3D DESIGN

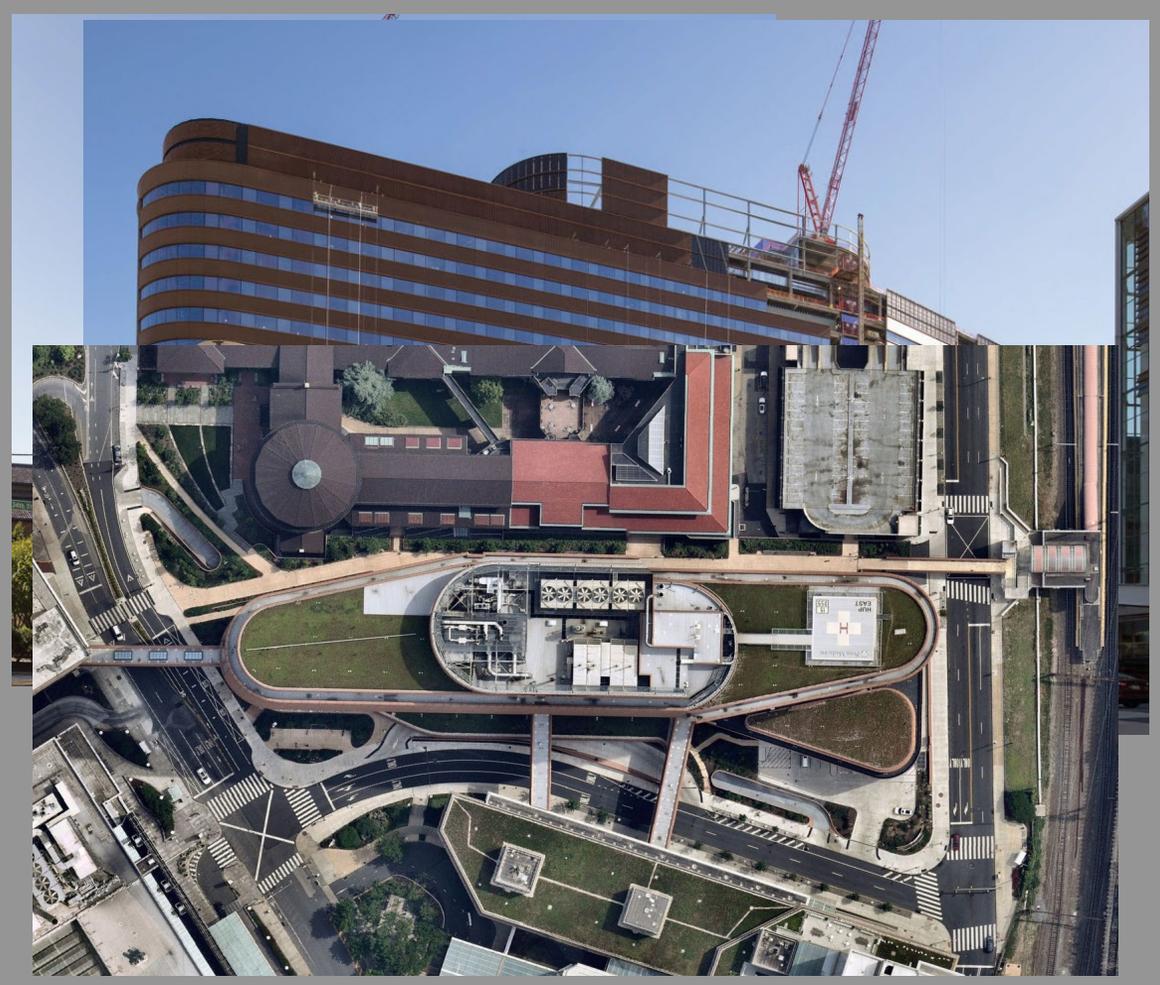


PENN MEDICINE PAVILION: BIM & 3D DESIGN

BIM RENDERINGS



REALITY





QUESTIONS?