

DESIGN MAKE PLAY • New York Hall of Science

Agenda

- Overview
- About CityWorks
  - Key concepts
  - Approach to transportation
  - 2 examples of interaction design and visitor engagement
  - The role of signage and environmental cues
- Looking ahead
  - Sparking “next steps” for visitors
  - Exploring and highlighting careers
  - The role of data in city planning and civic engagement
- Discussion

About me







About the New York Hall of Science

Since its founding at the 1964 World's Fair, the New York Hall of Science has been at the forefront of public engagement with science, technology, and engineering. We invite learners of all ages, educators, researchers, STEM professionals and community partners to learn together by exploring, testing, making, and reflecting together. NYSCI's programs and exhibits are distinguished by our long tradition of public- and privately-funded research on learning and our commitment to advancing creative, inclusive learning for all.











Our goals for learners' experiences

The context of our work





An area of rapid change



THE CITY IS A WORK IN PROGRESS

CityWorks, a permanent exhibition at the New York Hall of Science, invites New Yorkers to experience the city as an engineered environment, where past choices shape our lives today, and our choices today shape the city's future.

SCIENTIFIC DISCOVERY AND INNOVATION CREATE NEW OPPORTUNITIES FOR CHANGE AND GROWTH

Scientists and engineers are working every day to maintain the infrastructure of today, and to define our options for the city of the future.

CityWorks will invite visitors to explore how advances in science and engineering are creating new options for responding to urgent challenges.



CITIES ARE SITES OF CONSTANT ADAPTATION

Systems that met the goals of the past can't accommodate a changing world forever. But they also can't be replaced all at once.

CityWorks will introduce visitors to major infrastructure systems of New York City, making routine, invisible parts of life visible, and telling the hidden stories behind them.



PEOPLE SHAPE THE FUTURE OF CITY INFRASTRUCTURE, THROUGH OUR CHOICES AND OUR PRIORITIES

Successful infrastructure allows city residents to thrive. It responds to their needs, adapts to their changing lives, and contributes to their quality of life.

Visitors to *CityWorks* will discover how their actions and choices are shaping how the city works, and defining new possibilities for the city's future.



THE GALLERY



CityWorks fills NYSCI's Upper North Wing with interactive exhibits that encourage discovery, collaboration, empathy, and imagination.

Highlights of agencies and organizations that have visited and toured the exhibition to date



























DESIGN & BUILD PARTNER: SMM





For more than 35 years, the Science Museum of Minnesota has been designing and fabricating landmark exhibits for themselves and dozens of partner institutions across the country and around the world. They are mission-driven to help other museums inspire learning, too.


city works
CONES
SHAKES · SUNDAES

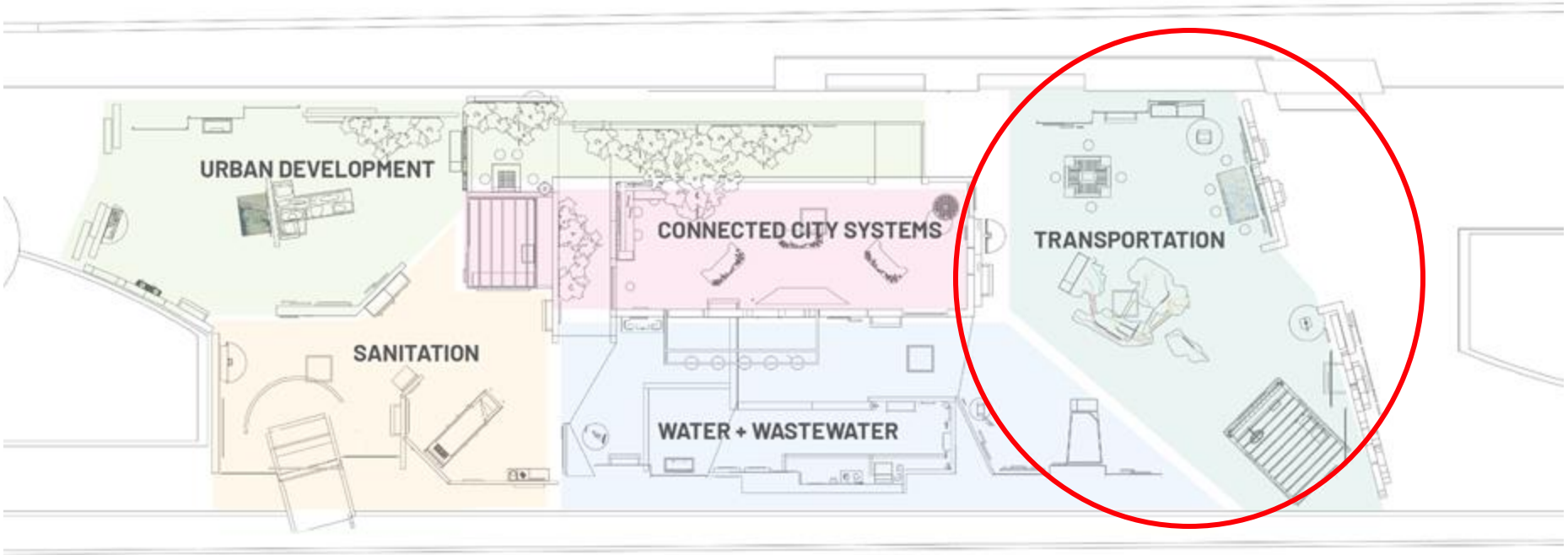

change
drives change
el cambio




M20
LINCOLN CENTER
SOUTH FERRY


A&F

FLOOR PLAN: CONTENT AREAS



cityworks
EXHIBITION PLAN
05.16.2024
scale: 1/8" = 1'0"

Think about….

How to engage different ages, groupings, motivations, life experiences

What knowledge might people bring with them?

How can new perspectives bring new understanding?

Focus on: Drive the Bus






TRAINING BUS
people
keep the
city movin

Focus on: Design a Street





Role of signage





why does street design matter?

¿por qué es importante el diseño de las

Layering of information and context



So where do we go from here?

Connect our visitors with tools and resources to learn more and get involved.

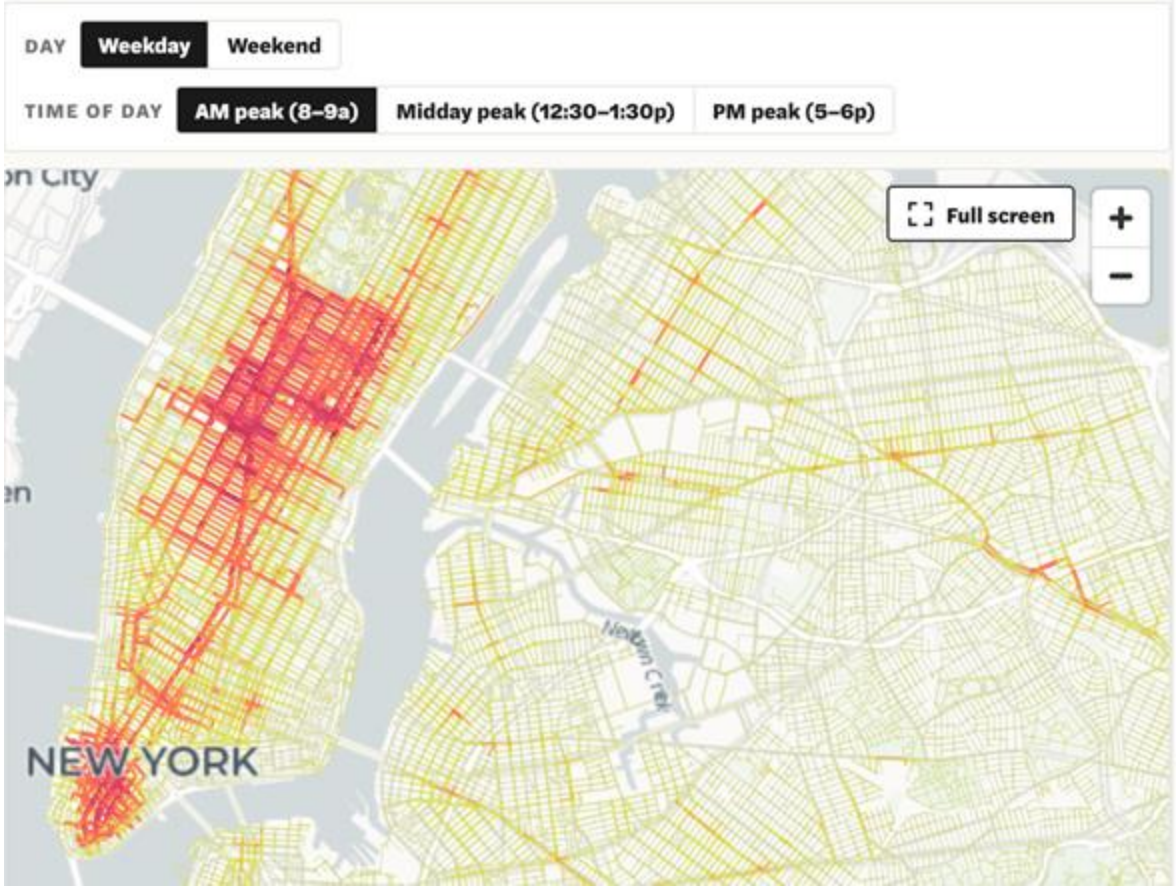


Connect youth with opportunities to explore careers with the city, the trades, and the STEM professions



Give New Yorkers the tools and support they need to explore open data…

and the platforms they need to share their ideas and priorities



Cities are not abstract sustainability-making machines;
they are places where real people live, work, study and flourish.
Cities are made of people, by people and for people.

—United Nations, *People-smart Sustainable Cities*, 2021