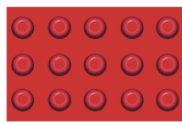


A photograph showing several construction workers in bright yellow safety vests and hard hats working on a city street. They are using tools to guide the pouring of concrete into a form. In the background, there are orange and white striped construction barriers, a sign that says "PEDESTRIAN WALK" with an arrow, and a tall, ornate black metal pole. The scene is set in an urban environment with buildings and trees visible.

PEDESTRIAN RAMP PROGRAM

March 2019



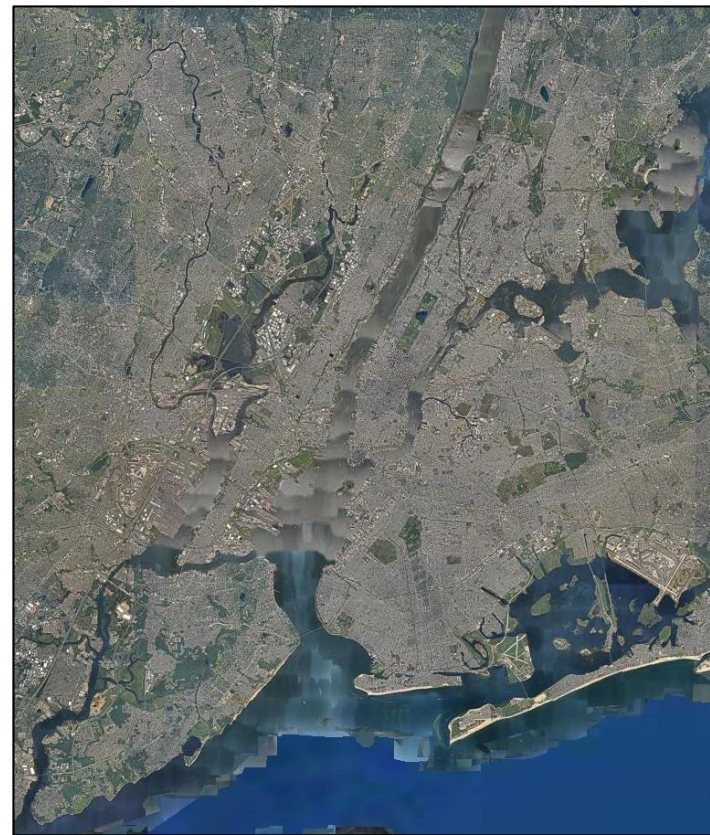
**Ped
Ramp
Program**

NYC EXISTING CONDITIONS

Vast and Complex Infrastructure Landscape

- 6,000 miles of roadway
- 12,000 miles of sidewalk
- 162,000+ corners
- 320,000+ pedestrian ramps
- Vast network of underground infrastructure
 - Subways
 - Utilities
 - Building vaults
- Complex and aging infrastructure
- Construction being done by many entities (public and private)

DOT manages a comprehensive pedestrian ramp and sidewalk program that ensures accessibility of pedestrian ramps, streets, and sidewalks



CONSTRUCTION IN NYC

No Singular Public Works Entity

- Construction is split between in-house forces at DOT and capital construction managed by DDC
- DDC manages capital work for DOT and other City agencies (e.g., sewer work for the Dept of Environmental Protection)
- Some government entities manage capital construction independently (e.g., Economic Development Corporation)
- Private developers and utility companies also work in the public right-of-way



PROGRAM DEVELOPMENT

Building a Team Dedicated to Pedestrian Ramps

- DOT is building a new unit, the Pedestrian Ramp Program, tasked with leading the effort to ensure the accessibility of all corners throughout the city to meet current ADA standards
- The team includes:
 - Engineers
 - Planners
 - Architect
 - Outreach
 - Budget
- DOT is also hiring new inspectors and construction crews dedicated to pedestrian ramps
- In total, this effort requires 400+ new DOT jobs and 660k sqft of additional space for work relating to pedestrian ramps



OUTREACH & COORDINATION

Extensive Outreach Plan

Internal:

- Coordinating work plans with other divisions and programs internally

External Entities:

- Coordinating with agencies and companies to promote the goals and benefits of the program and explain requirements to achieve accessibility
- Conducting trainings on ADA standards

Community:

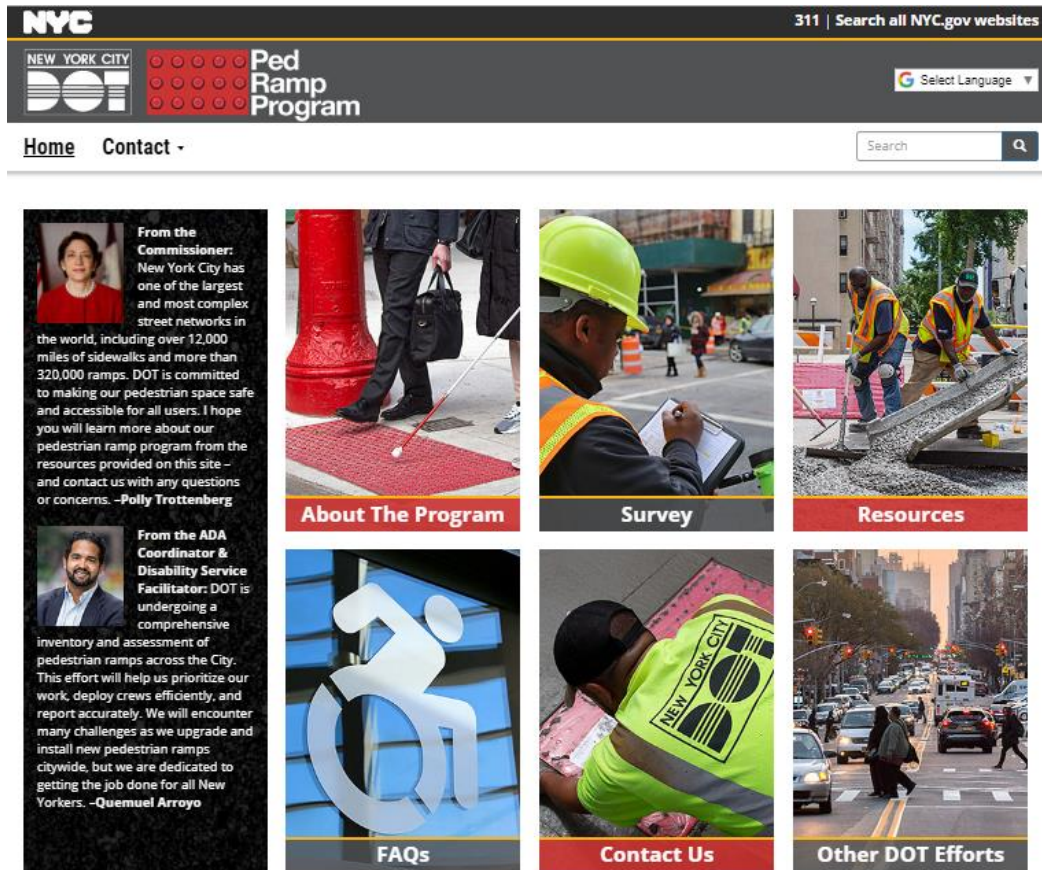
- Dedicated outreach team for all ped ramp related work:
 - Attend community meetings, (e.g. civics, places of worship, etc.) prior to and during construction
 - Independent on-street outreach activities: surveys, material distribution
 - DOT/other City Events: Street Fairs, Weekend Walks, Summer Streets



PUBLIC WEBSITE

Sharing Our Resources and Progress

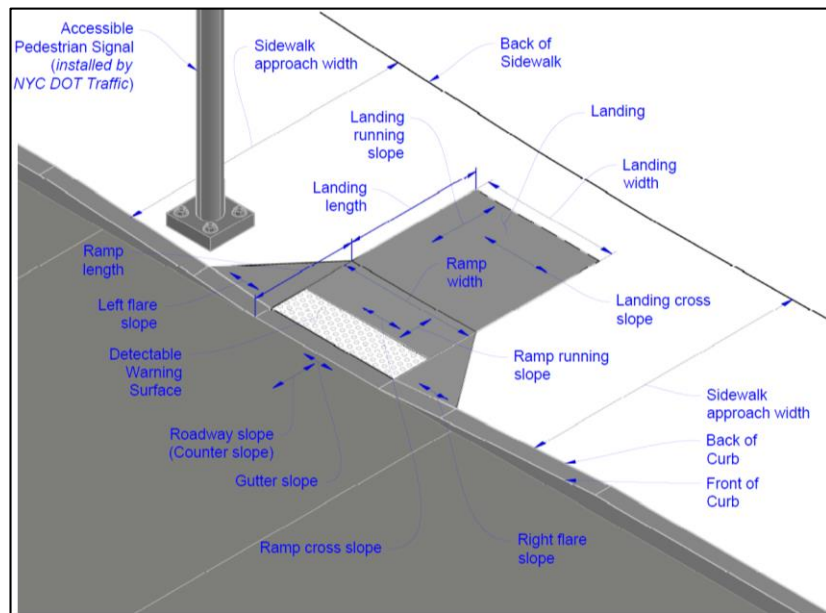
- Dedicated website to help distribute information and communicate about our work
- Launched in August 2018:
www.nycpedramps.info
- Information based on survey findings will be published and map will be updated to reflect program progress
- Website will have resources for other agencies, utilities, contractors on ped ramp standards and necessary forms



PEDESTRIAN RAMP SURVEY AND SOP

Comprehensive Citywide Assessment of Existing Conditions

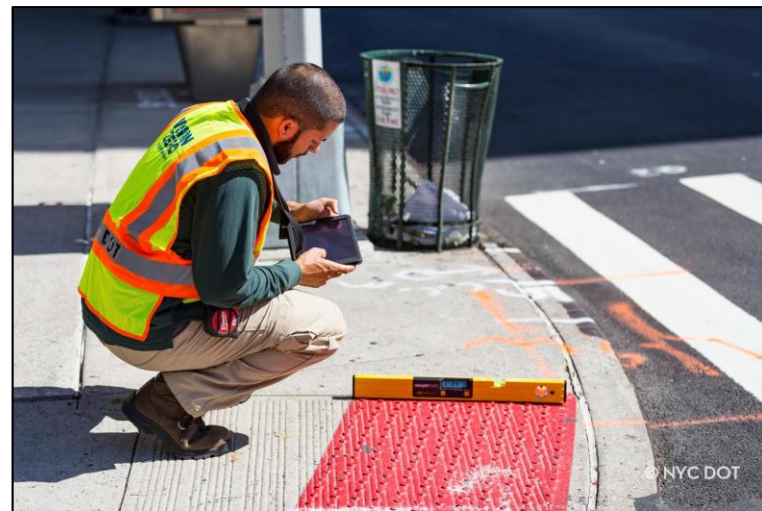
- Currently in the process of surveying all pedestrian ramps throughout the city to create a complete database of current conditions
- NYC has an estimated 320,000+ pedestrian ramps at locations including:
 - Corners
 - Medians and Pedestrian Islands
 - Midblock Crossings



SURVEYING METHODS

Utilizing New Technology for Large Scale Survey

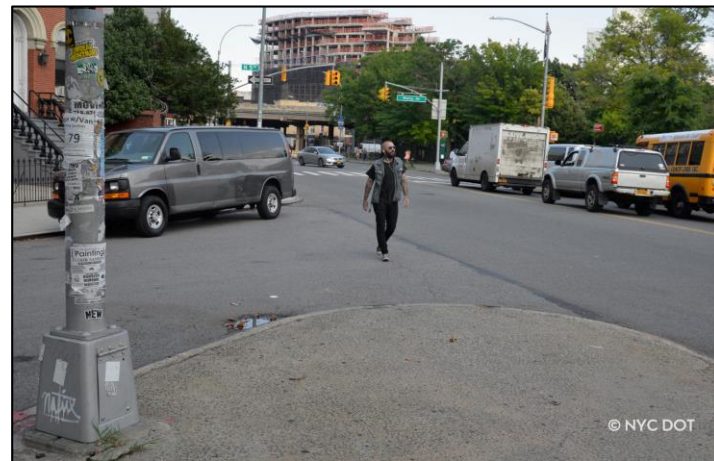
- Using mobile LiDAR and automated processing technologies for baseline existing conditions data
- Will supplement with ground-based terrestrial LiDAR and smart level measurements where needed
- Completion of citywide survey anticipated for Fall 2019, with data coming in batches over the next year
- Process survey data to determine whether ramps are ADA compliant



CATEGORIZATION AND WORK PLAN

Automating Processes to Direct Work

- Automate process to bucket ramps into different categories for directing the work plan
- Ramps will be categorized based on the type of work required and the capabilities of in-house forces vs capital contracts
 - In-house – Simple construction
 - In-house – Signal pole relocation
 - Capital – Simple construction
 - Capital – Complex construction
 - Capital – Complex construction near transit infrastructure
 - Capital – Landmarked locations



PRIORITIZATION OF OPERATIONS

Organizing the Work Plan

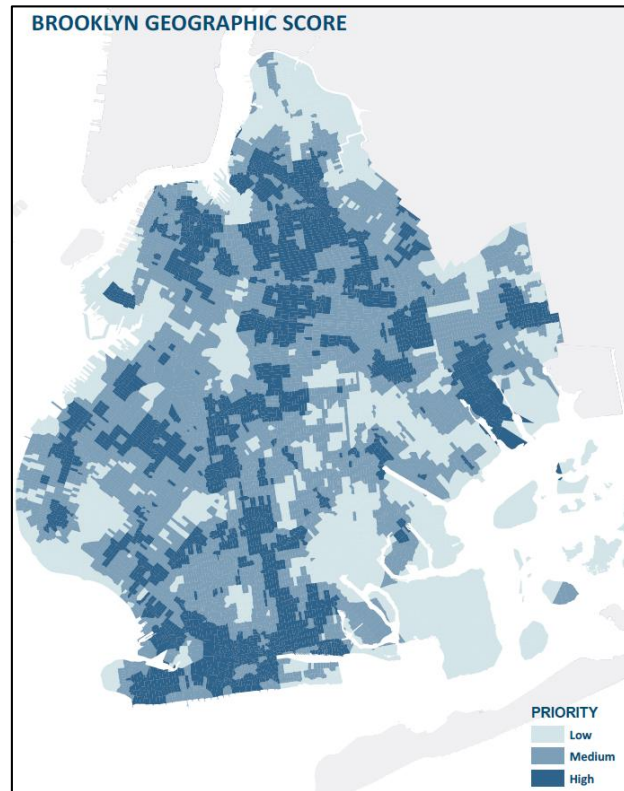
1. Resurfacing: Pedestrian ramps will be installed/upgraded on resurfacing stretches
2. Complaints: All complaint locations will be made safe and will be prioritized for upgrade or installation
3. In-House Crews: Pedestrian ramps will also be installed in coordination with street safety projects and at other locations where in-house crews are working
4. Additional Prioritization: Assign each corner a condition score and a geographic score to rank corners by need



PRIORITIZATION ANALYSIS

Scoring and Ranking Corners

- Prioritize work beyond resurfacing/complaint locations by ranking corners based on a score that combines existing conditions with geographic and demographic information
- A Condition Score will be calculated based on each ramp's physical characteristics in accordance with ADA 2010 standards
- A Geographic Score will be calculated to prioritize areas with greater geographic and demographic need based on:
 - High density of persons with ambulatory and/or visual disabilities
 - High density of senior citizens
 - Proximity to facilities and program sites
 - Proximity to transit/public transportation, with extra weight given to accessible subway stations
 - Additional factors, including parks/open space, Vision Zero priority geographies, etc.



ADDRESSING YOUR CORNER

Complaints

- Ways to contact DOT about specific pedestrian ramp issues:
 - 311 nyc.gov/311
 - DOT Accessibility Coordinator Quemuel Arroyo
accessibility@dot.nyc.gov
 - Form on Ped Ramp website: www.nycpedramps.info (soon to be available)
- All corners in the City will be surveyed, assessed and addressed, if necessary, through resurfacing, complaints, and projects, as well as a prioritization analysis
- Weekly resurfacing scheduled can be found on DOT's website at
<http://www.nyc.gov/html/dot/html/motorist/resurfintro.shtml>
- Prioritization information can be found on the website
www.nycpedramps.info as it becomes available



NEXT STEPS

Moving Toward a More Accessible City

- Processing survey data to direct work
- Ramping up annual pedestrian ramp construction:
 - Getting new in-house pedestrian ramps crews in place
 - Expanding the number of capital contracts for pedestrian ramps
 - Enforcing new ped ramp permits
- Significant coordination with other agencies and entities
- Public reporting on program progress



THANK YOU!

Questions?



NYCDOT



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