

New York City
Department of Transportation

FHWA Project Coordination Webinar
September 24, 2012



Presented by John Speroni

Scope of Operations

- 6000 linear miles of streets, 20,000 lane miles
- 12,300 signalized intersections
- 787 bridge structures
- 9 Staten Island Ferry boats, 22 million riders per year

During FY12

- 325,000 permits for construction on/under streets
- 564,000 inspections of permit sites

Project Types

NYC DOT and its coordination partners perform:

- Capital reconstruction
- Street resurfacing
- Bridge maintenance
- Plazas, parks, and other public spaces
- Other activities that affect sidewalk or street usage
 - Utility work
 - Parades, filming, and other special events
 - Building construction
 - Transit construction

Project Coordination Goals

- Coordinate different projects that are at the same location
- Deliver quality streets by reducing street cuts
- Avoid transportation capacity reductions and other construction inconveniences
- Provide an efficient construction environment to the people and businesses of New York City

General Coordination Process

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1. Advance Coordination & Planning

- City agencies
- High-volume permittees (utilities)

2. Permit to Work in Street

3. Perform Street Work

- Work Safely
- Restore the Street
- Inspections Throughout the Process



DOT Coordination Toolbox

- Work Rules
 - Permits needed to close or cut street
 - Inspections during work, after street restoration
 - Protected Streets – special rules apply five years after new pavement
 - Construction Embargoes – no street work allowed in areas used for NYC Marathon, Thanksgiving Day Parade, etc.
- Coordination Meetings
- Permit and Project Management Software
- Notifications to Stakeholders
 - Repair Schedules, Protected Streets, Embargoes posted online
 - **DOTMap** and NYCityMap GIS
- **Street Works Manual**

The screenshot displays the NYC DOTMap interface. The map shows a section of Harlem, New York City, with streets like Major Deegan Expressway, Exterior St, and East 149 St highlighted in purple, indicating a holiday embargo. Other streets like 145th St B and 145th St BR are highlighted in green, indicating a 10-year capital plan project. The Col. Young Playground is visible on the left. The interface includes a search bar at the top right, a 'Map Layers' panel with options for Bicycling, Driving, Ferry, Projects, and Service Center, and an 'Identify Results' panel at the bottom right. The 'Identify Results' panel lists three items: NYC DOT 10 year Capital Plan: 145TH STREET B, NYC DOT Holiday Embargo: MAJOR DEEGAN EXPRESSWAY, and NYC DOT Holiday Embargo: EAST 149 STREET. A scale bar at the bottom indicates 0, 200, and 400 feet.

Search for a Location
Searched Locations

Map Layers

- Bicycling
- Driving
- Ferry
- Projects
 - NYC DOT Holiday Embargo
 - NYC DOT Protected Streets
 - NYC DOT 10 year Capital Plan
- Service Center

Identify Results

Click an item below for more details:

NYC DOT 10 year Capital Plan:	145TH STREET B
NYC DOT Holiday Embargo:	MAJOR DEEGAN EXPRESSWAY
NYC DOT Holiday Embargo:	EAST 149 STREET

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- <http://www.nyc.gov/streetworks/>
- Explains the importance of coordination and documents processes for all stakeholders
- Chapters
 - Introduction
 - Advance Notice and Coordination of Planned Street Work
 - Permits and approvals
 - Executing Work in the Street
- Formal Announcement of New Policies
 - DOTMap and other information sharing
 - Incentives for Coordination and Compliance
 - Permit and Inspection Technology Enhancements

Internal Stakeholders

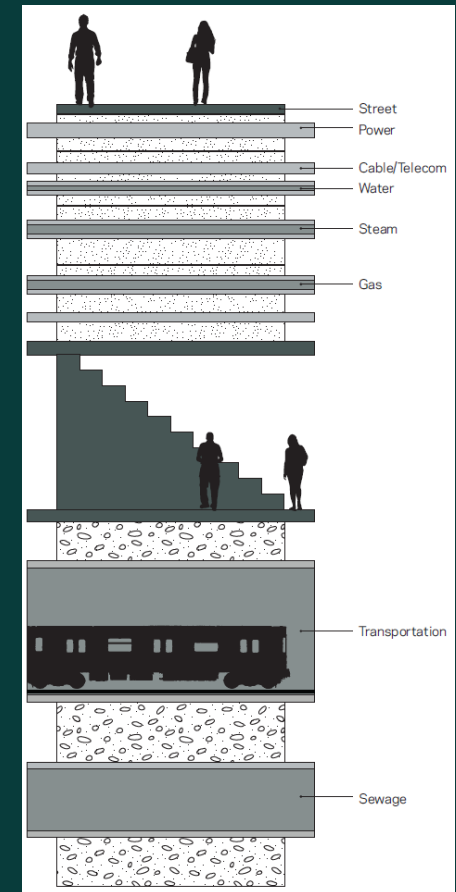
- Capital Program Management
- Roadway Repair & Maintenance
- Traffic & Planning
- Office of Construction Mitigation and Control
- Permit Office
- Highway Inspection & Quality Assurance
- Office of Special Events
- Etc.

External Stakeholders

- NYC Agencies
 - Department of Design and Construction (DDC)
 - Department of Environmental Protection (DEP)
 - Department of Buildings (DOB)
 - Police Department (NYPD)
 - Etc.
- State and Federal Agencies
- Utilities
- Construction contractors
- Call before you dig (New York 811)
- Residents, businesses, and other street users

Extensive Infrastructure Below NYC Streets

- Sewer and water by a City agency
- Subway, 4 Commuter Rail systems, AMTRAK
- Telecom, CATV, Electric, Gas, Steam by licensed utilities



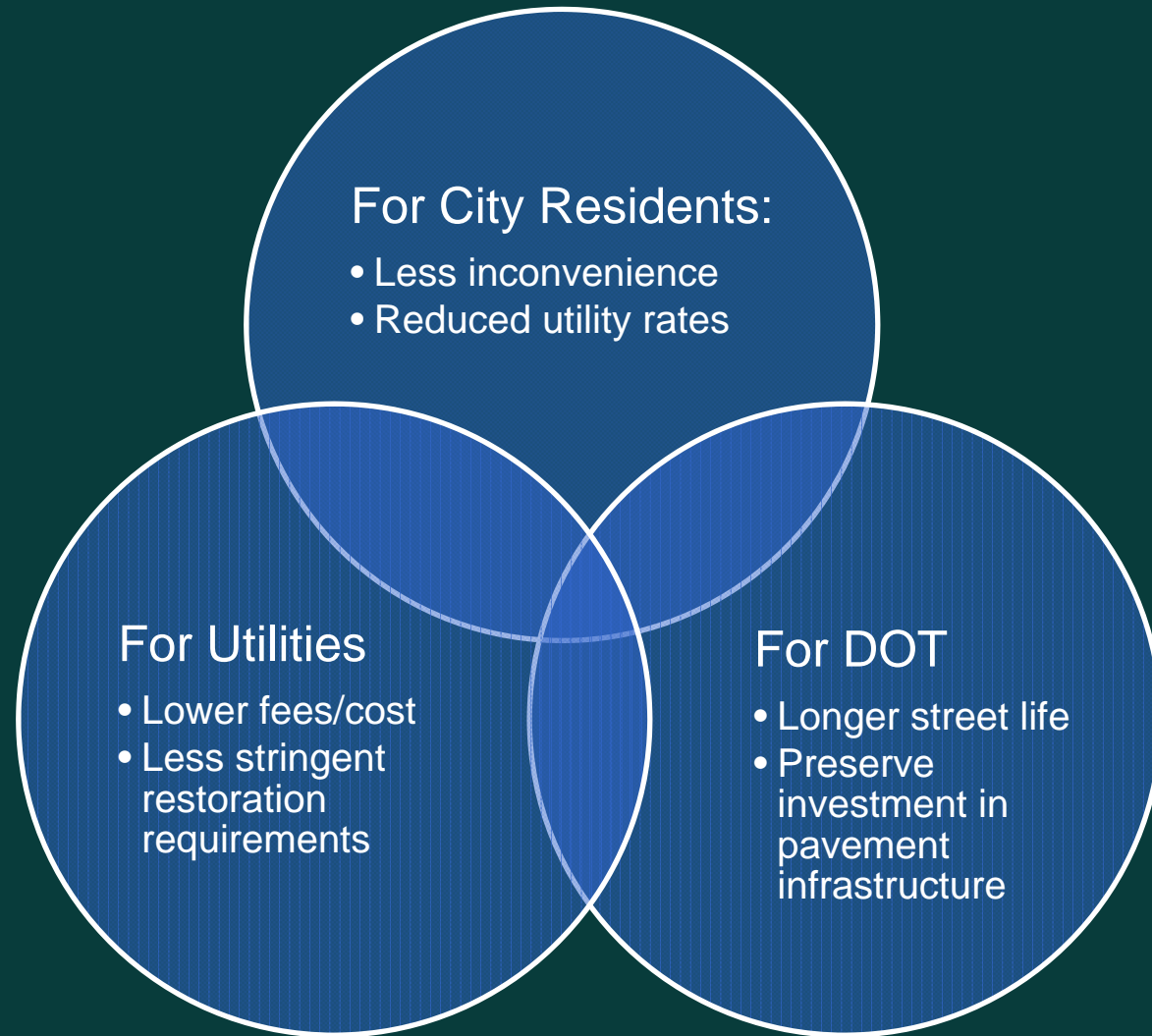
Street Cuts

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- Ideally, utilities and others should perform subsurface work just before the City repaves. Not always feasible:
 - New service, component failure, system upgrades, etc.
- Impacts of Street Cuts
 - Accelerated pavement deterioration
 - Inconvenience for road users
 - Disruption to surrounding community
 - Construction and permit fees for businesses



Benefits in Fewer Street Cuts



Recent Results

- Web Permits initiative
 - 80% of permits are now issued online
 - Improved customer convenience and DOT efficiency
- Improved Street Quality
 - Streets Rated Good increased to 73% in FY12 vs 66% in FY08
- Ongoing Process Improvements
 - Increased coordination with the major utilities who request 55% of all street cut permits
 - Research into legislative and procedural changes that may further improve project coordination
 - Research into improved construction methods and materials