

Installation of Trunk Water Mains along Grand Street Phase II

Bowery – Essex Street

**Project ID: MED609(606)
Summer 2014 – Spring 2017**

Contract Value: Approx. \$ 66,000,000

Manhattan

Community Board 3

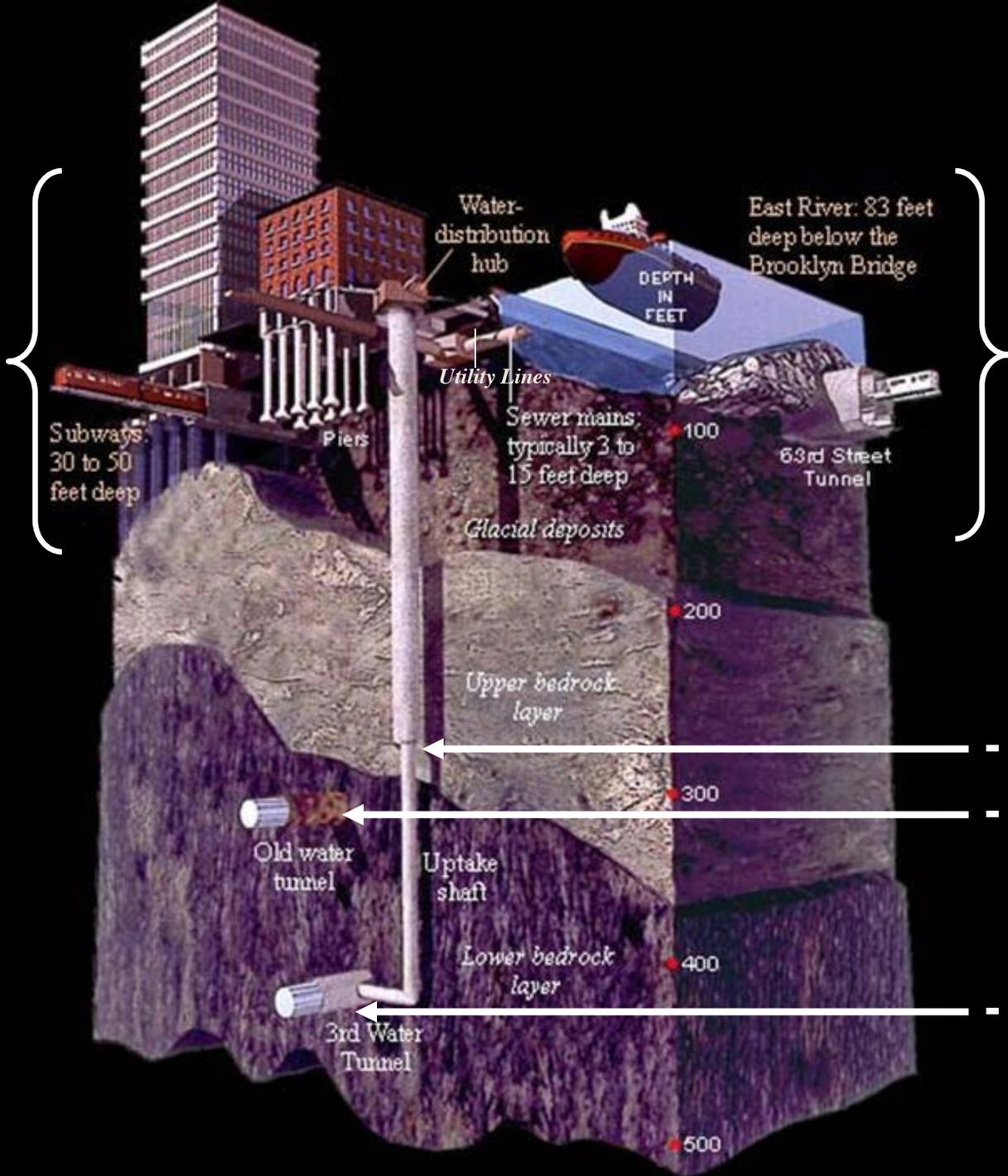
Transportation Committee

Thursday, June 12, 2014

WHY IS THIS PROJECT NECESSARY?

CONNECTING TO 3RD WATER TUNNEL SHAFTS

- ✓ New York City's aging water distribution infrastructure.
- ✓ Redundancy/Rehabilitation (Subsurface & 3rd water Tunnel)
- ✓ Future growth (population)



Many interferences under New York City streets

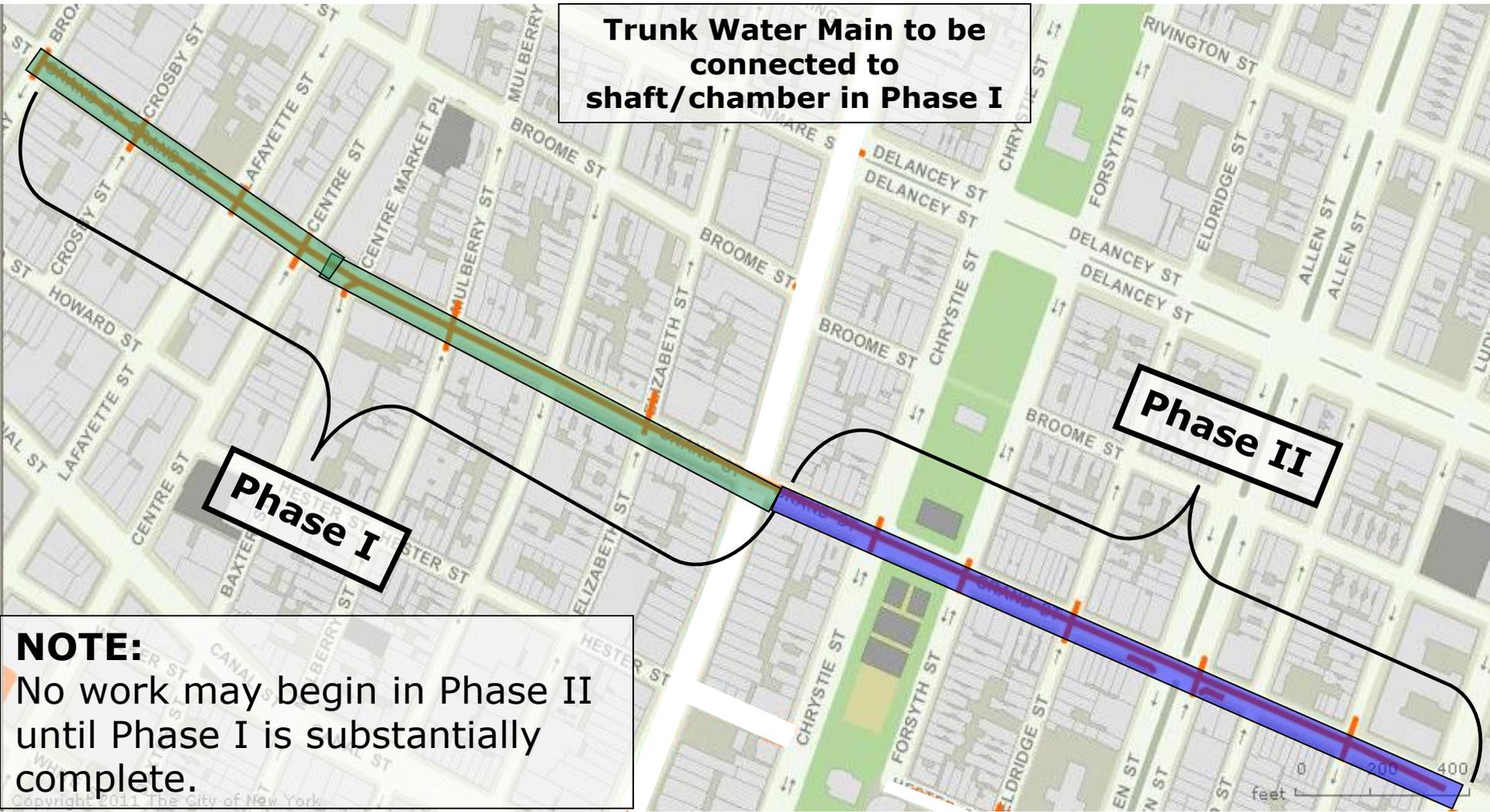
- Shaft approx. 450 ft depth

- Old water tunnel

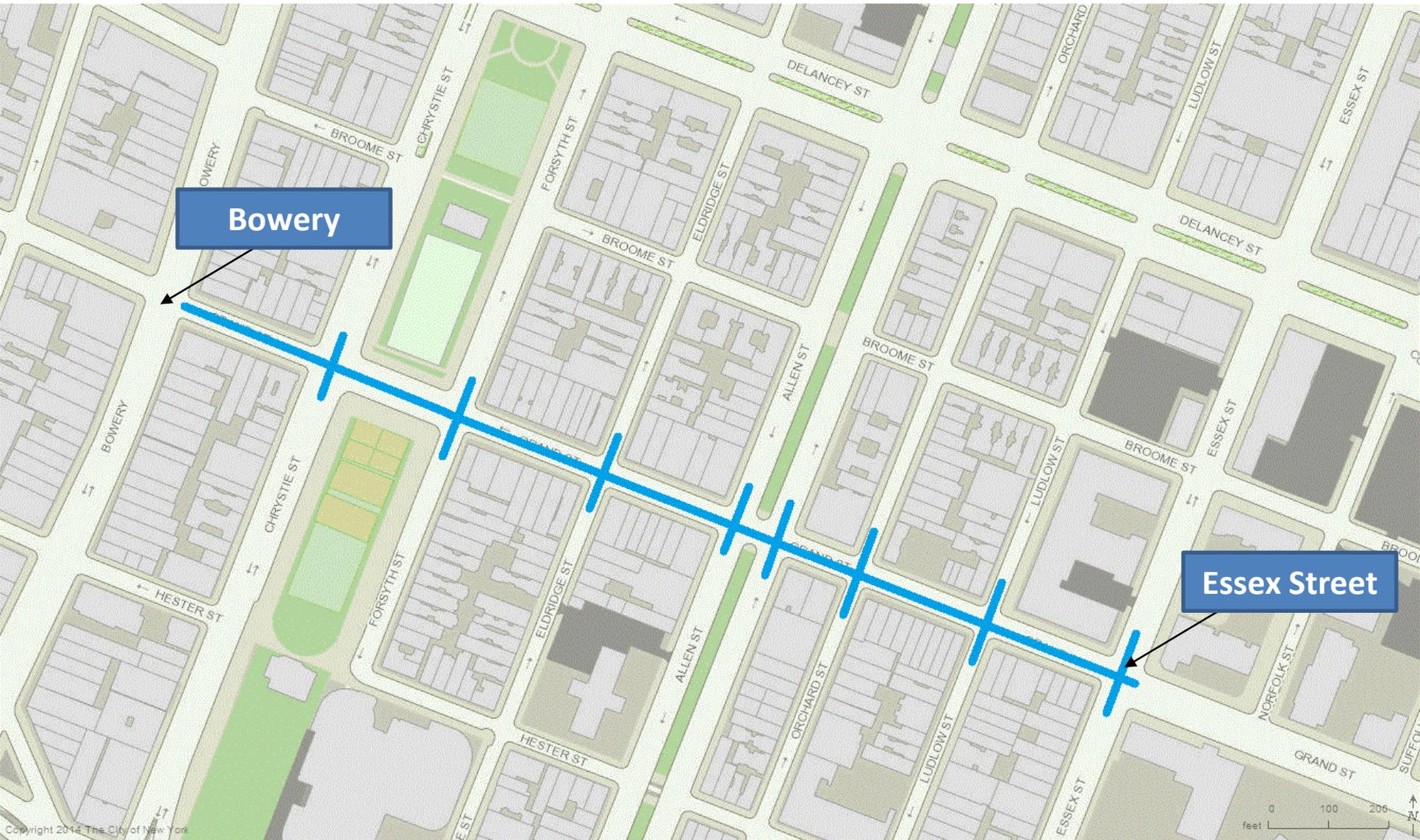
- 3rd Water Tunnel

WHERE WILL THE WORK BE PERFORMED

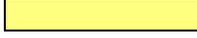
PROJECT PHASING



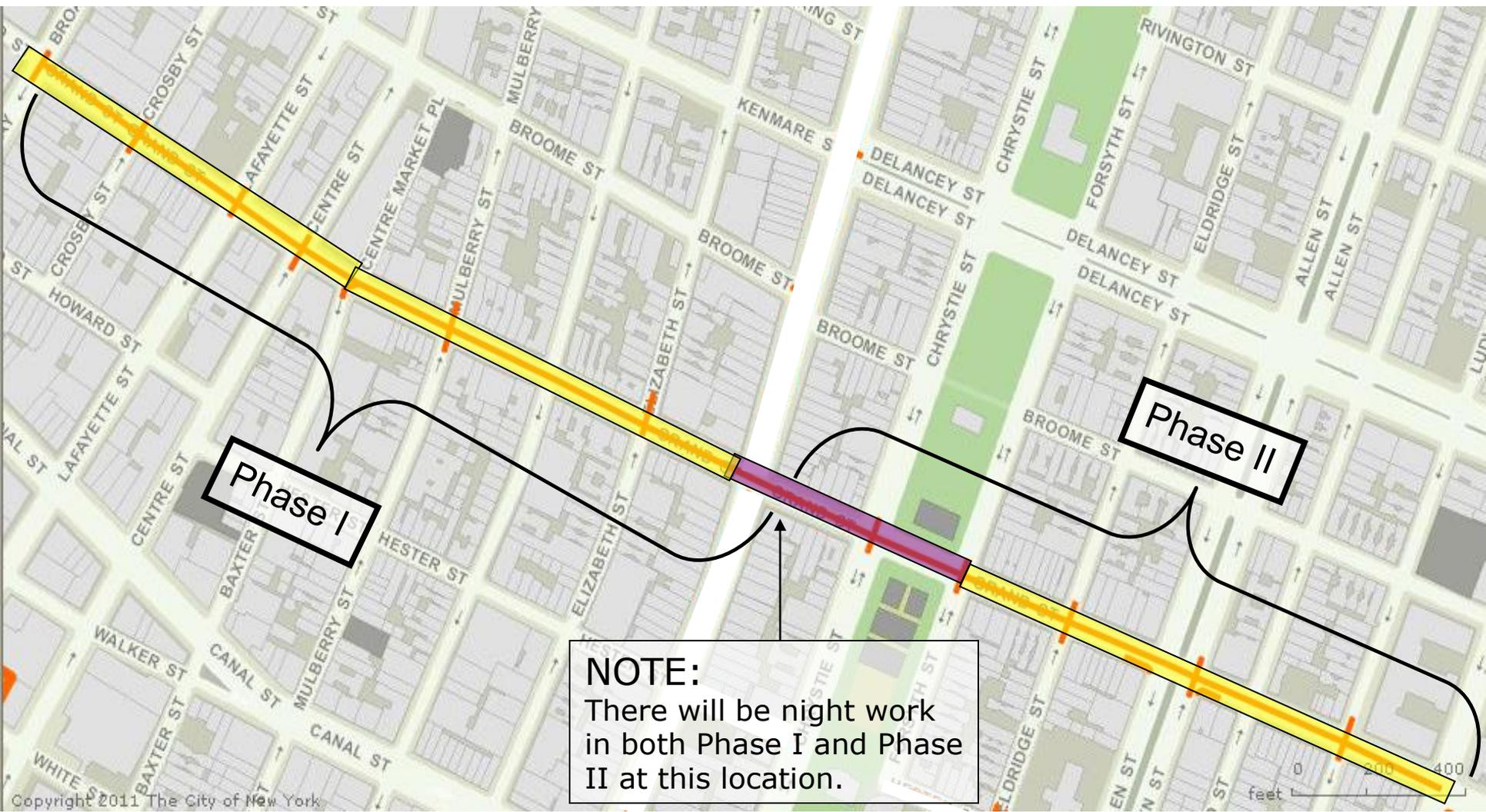
PHASE II PROJECT LOCATION:



PROJECT PHASING

Day Work = 

Night Work = 



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PROJECT DURATION & SCOPE OF WORK

PROJECT DURATION

- Phase II: Summer 2014 – Spring 2017
- Phase II Estimated construction duration is 1,095 consecutive Calendar Days (CCD) or approximately 3 years

Construction Phasing Plan

PHASE I - Broadway to Bowery Street

PHASE II - Bowery St. to Essex Street

PHASE I Duration = 730 CCD (2 years)

PHASE II Duration = 1095 CCD (3 years)

PROJECT Duration = 1825 CCD (5 Years)

SCOPE OF WORK

- Installation of New 36” Trunk Water Main
- Upgrading Distribution Water Main to new 12” & 20” pipes.
- Reconstruction Curb & Sidewalk
- Reconstruction of Roadway (Concrete & Asphalt)
- Installation of Some Street & Traffic Lights
- Reconstruction and rehabilitation of sewers
- Private Utility relocations and upgrades (Con Ed – TA – ECS – TWC)

Pavement Reconstruction

- Full width roadway reconstruction from curb to curb, except some sections of Allen St. which will be Trench Restoration & overlay
- Curbs & Sidewalks reconstructed “Where and as directed by the Engineer”
- Curbs & Sidewalks where directed will be replaced in kind

CONSTRUCTION

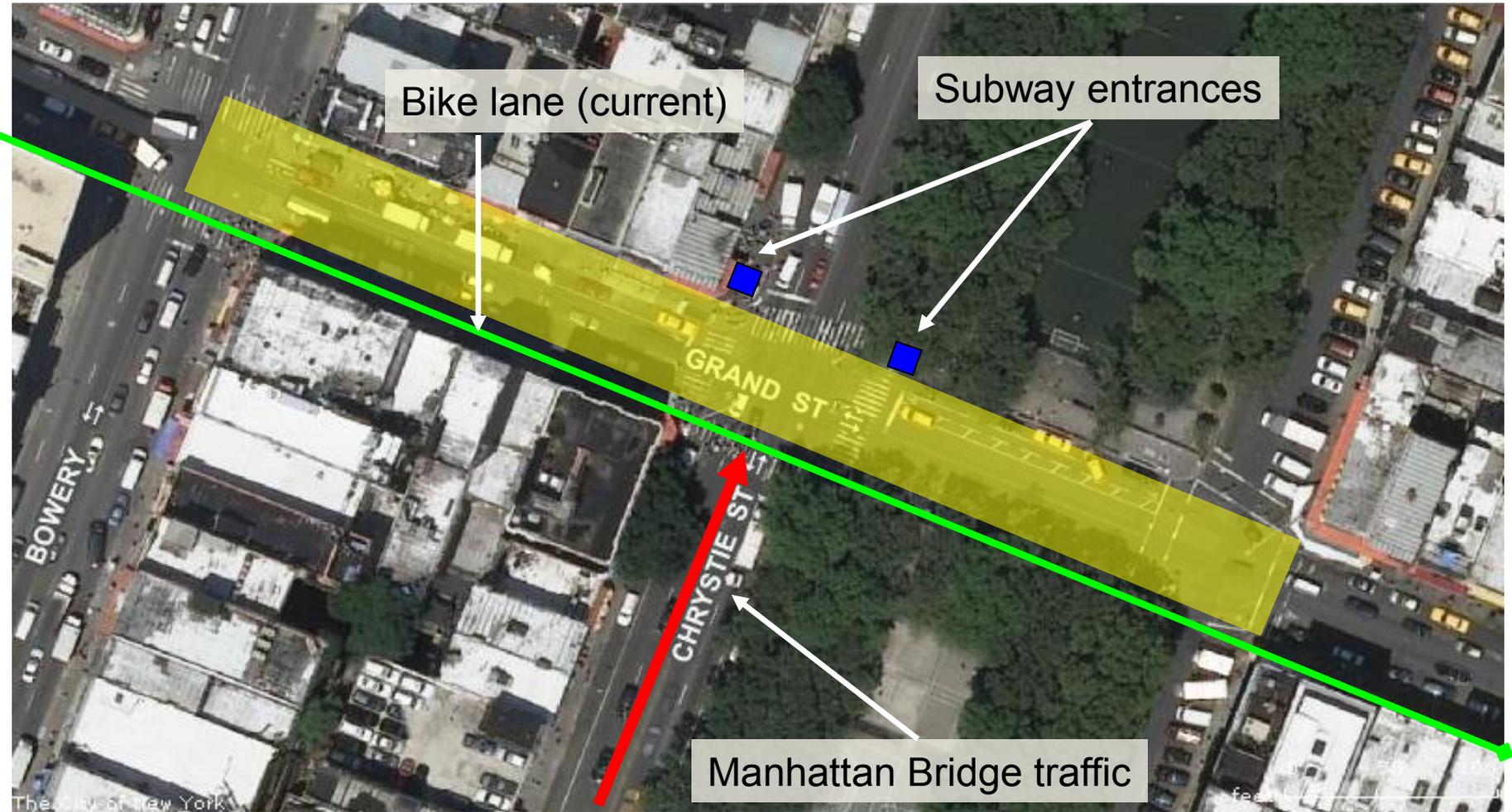
SCHEDULE & PHASING

WORK HOURS

- 7AM – 10PM: Monday – Friday (Allowable Hours)
- 8AM – 10PM: Saturday & Sunday (Allowable Hours)
 - *Night time allowable hours on Grand Street between Bowery & Forsyth: 9PM – 6AM*

NIGHT WORK

Night work area of Grand Street Project – MED 609(606)



Construction Schedule

Contractor's Schedule – Phase II

June to July, 2014	Surveys, Sewer Cleaning, etc. (Various Locations)
Mid August to Mid September, 2014	Night Work; Phase I Restoration (Bowery)
Mid August to Mid November, 2014	Night Work; Gas & Distribution Water Main (Grand Street from Bowery to Forsyth Street)
Mid November, 2014 to August, 2015	Day Work; Gas, Sewer & Distribution Water Main (Grand Street from Forsyth to Essex Street)

Construction Schedule (Cont'd)

Contractor's Schedule – Phase II

April to August, 2015	Catch Basins (Various Locations)
September, 2015 to October, 2015	Night Work; Trunk Water Main (Grand Street from Bowery to Forsyth Street)
October, 2015 to May, 2016	Day Work; Trunk Water Main (Grand Street from Forsyth to Essex Street)
April 2016 thru completion	Final Restoration (Entire Phase II Area)

Storage

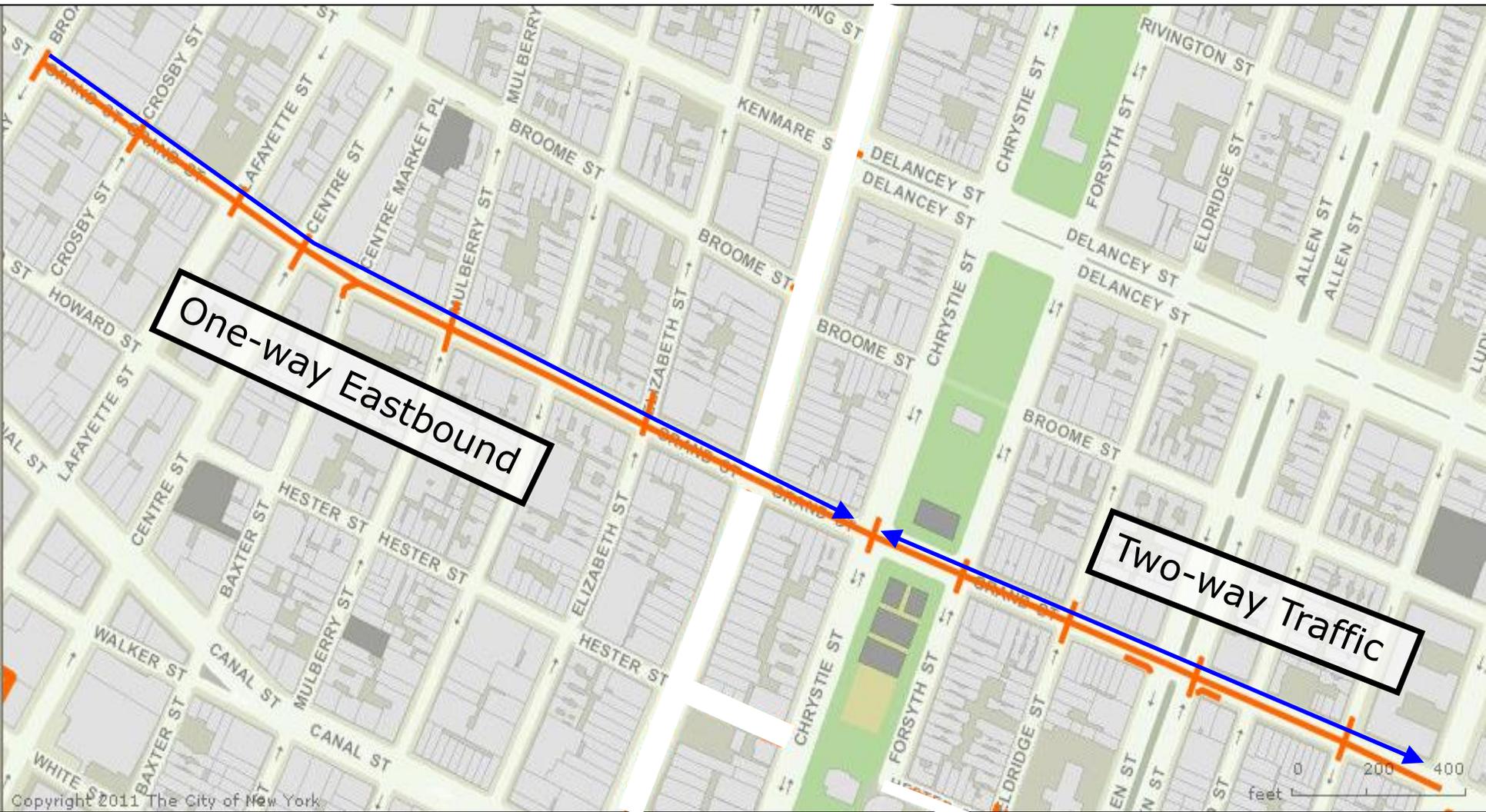
Storage Area

- Storage Areas Will Be within Project Limits Throughout Phase II
- DEP Yard NWC of Grand & Lafayette Street
- Columbia Street E/S b/t Delancey St. North & Delancey St. South under Williamsburg Bridge

TRAFFIC PATTERNS DURING CONSTRUCTION

PROJECT LOCATION:

CURRENT TRAFFIC PATTERNS



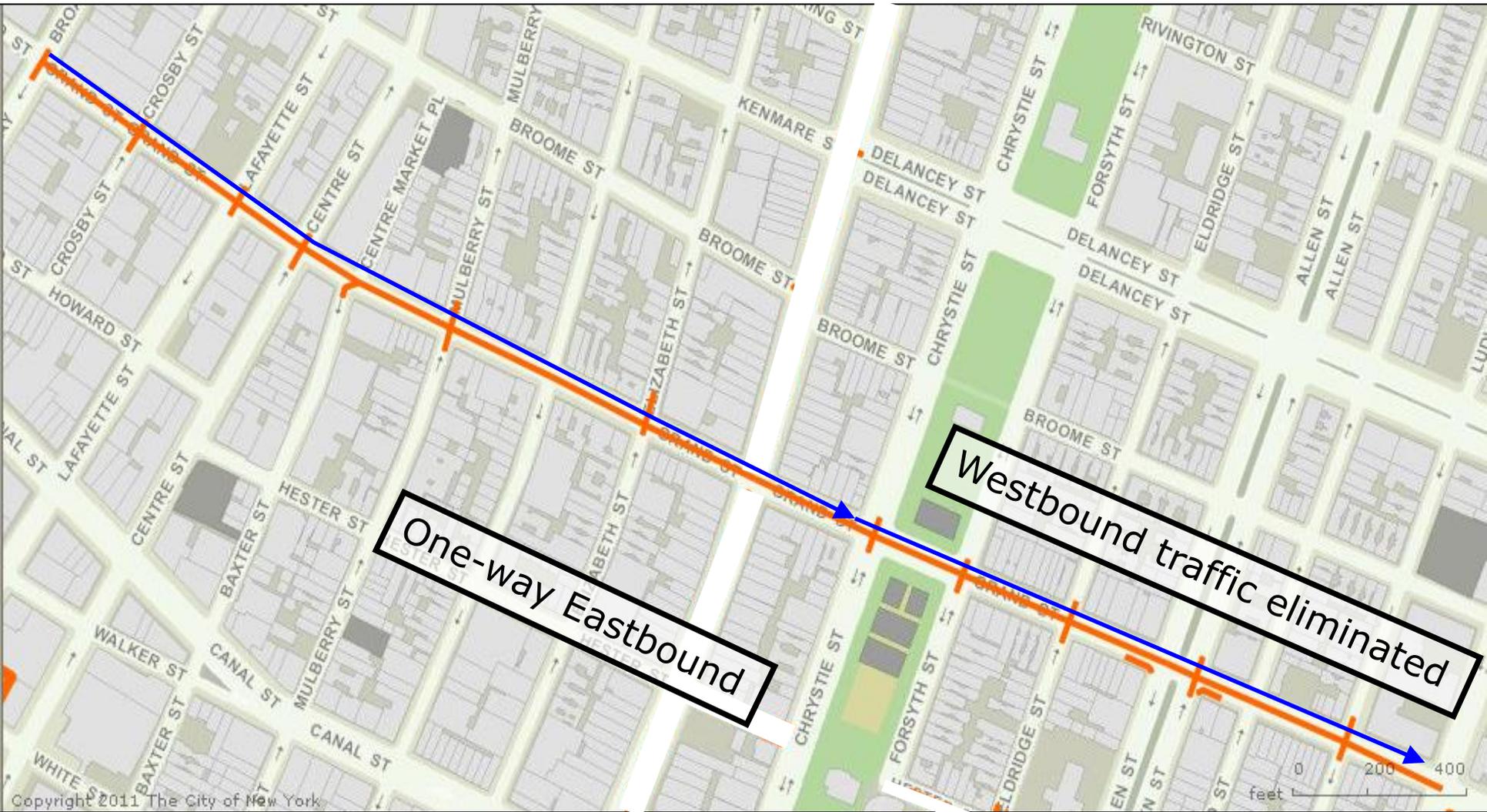
One-way Eastbound

Two-way Traffic

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PROJECT LOCATION:

TRAFFIC PATTERNS DURING CONSTRUCTION



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TRAFFIC PATTERNS DURING CONSTRUCTION

- Traffic mitigation personnel, proper signage and Maintenance & Protection of Traffic (MPT) will be installed in/around the construction area to alert and direct motorists.
 - This includes:
 - ✓ Traffic Enforcement Agents (TEAs)
 - ✓ Flagpersons
 - ✓ Arrow Boards

WHAT TO EXPECT

CONSTRUCTION MITIGATION

Recent examples



GRAND & CENTRE ST.

COMMUNITY IMPACTS & WHAT TO EXPECT

COMMUNITY IMPACTS

Office of Community Outreach & Notification

- Pedestrian access to buildings will be maintained at all times.
- Public Transportation
 - NYCT bus stops (**M9, M14A, M15, M15+**) may be relocated within construction zones. Advanced notice will be given.
 - Access to the Grand Street subway station will be maintained at all times.
- Merchant deliveries and drop-offs on Grand St. will be affected.
 - Coordination will be necessary in some areas and addressed on a case by case basis (CCL will be in contact with those affected).
 - Dedicated loading zones on adjacent side streets May be created with DOT approval.

COMMUNITY IMPACTS (Cont'd)

Office of Community Outreach & Notification

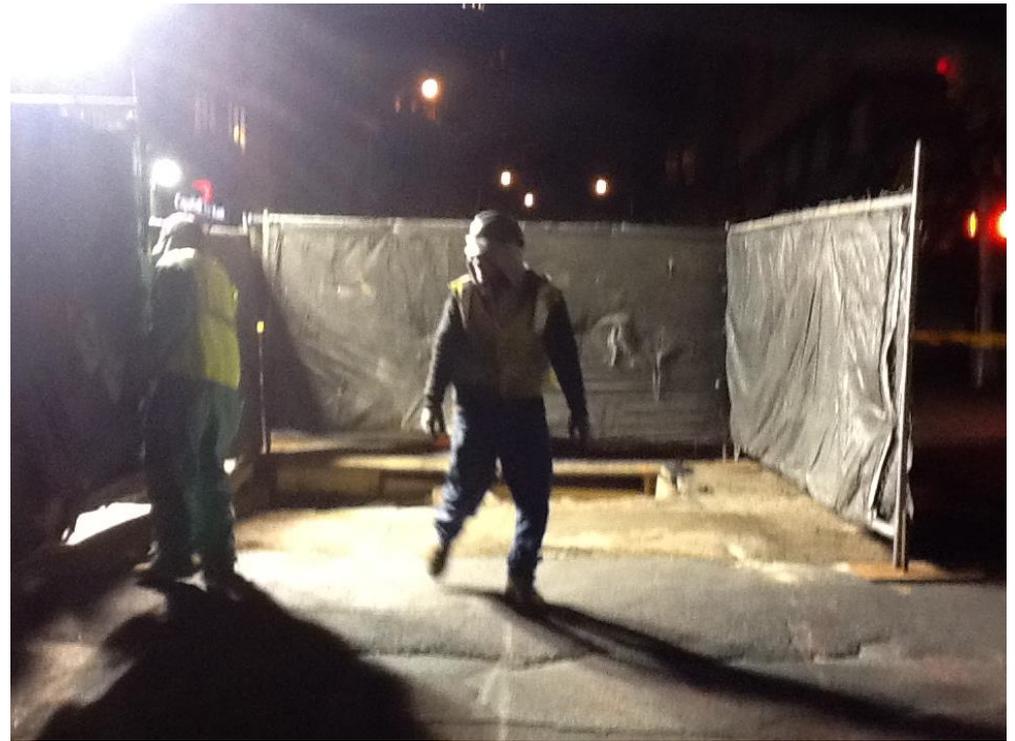
- Driveway/loading dock access may be temporarily restricted while a street is under construction (coordination will be arranged on a case by case basis).



EXTRA COMMERCIAL LOADING & UNLOADING ZONE WILL BE INVESTIGATED & MAY BE APPROVED



NOISE CONTROL – NIGHT WORK at BOWERY



COMMUNITY IMPACTS (Cont'd)

Office of Community Outreach & Notification

Water Service Interruptions:

- 72-hour advance notice will be provided (only via email). Paper notices will be provided 24-hour in advance.
- Specific instructions will be provided prior to water shutoff
- If your water service is not restored within 3 hours of the time indicated on the Shutoff Notice, please contact the Community Construction Liaison (CCL) or 311 if after hours.

Special Needs:

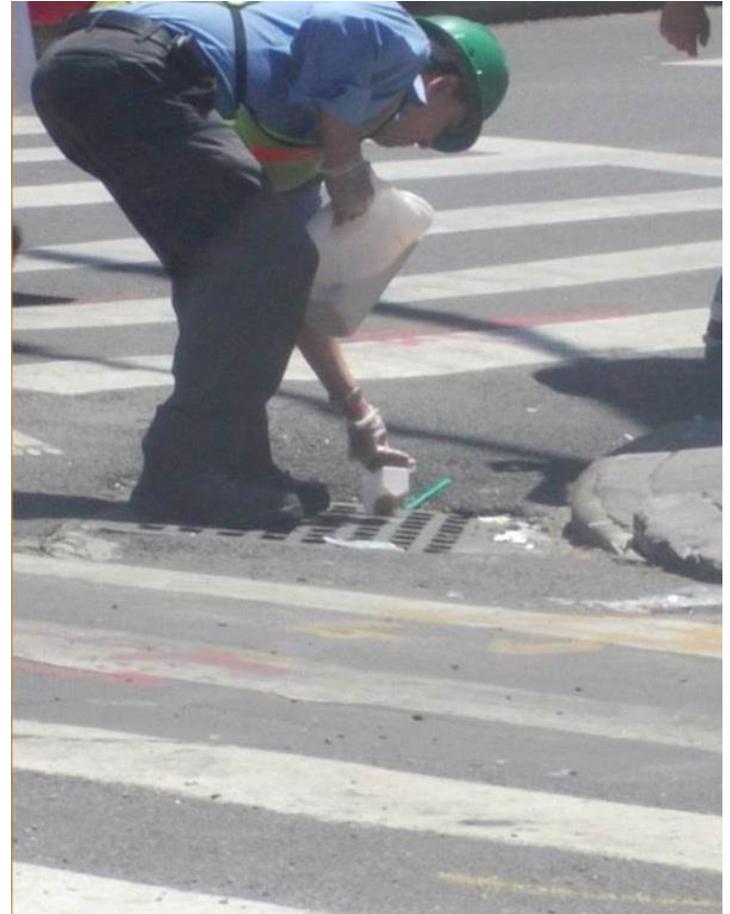
- Individuals with special needs should contact the CCL
- DDC field staff will work specifically with those individuals to minimize the inconvenience

COMMUNITY IMPACTS (Cont'd)

Office of Community Outreach & Notification

Rodent & Water Bugs Control:

- An Independent Rodent Expert has been secured and has surveyed the project area.
- Rodent Control Stations will be maintained by a professional rodent control exterminator.



Typical Special Events & Holiday Embargoes

EVENT DATE	EVENTS
1 Day in January or February	Lunar New Year Parade and Festival
1 Weekend in the month of October	Avon Walk for Breast Cancer
6 Weeks to New Years Day	Holiday Construction Embargo
About 7 Weekends Scattered Throughout the Next Year	Brooklyn Bridge Embargo

WHAT TO EXPECT



20" WM Installation,
Grand & Broadway at S/E/C

WHAT TO EXPECT

TRUNK WATER MAINS,
BROADWAY & GRAND ST



WHAT TO EXPECT

STORAGE AREA, CROSBY ST.
AT NORTH OF GRAND ST.



WHAT TO EXPECT



**GRAND ST. BETWEEN CROSBY
& BAXTER ST.**

WHAT TO EXPECT



NEW SIDEWALK & PEDESTRIAN RAMP,
GRAND & MOTT ST

04/24/2014 10:36

WHAT TO EXPECT



**NEW ROADWAY CONCRETE BASE,
GRAND ST. BETWEEN ELIZABETH ST & BOWERY**

WHAT TO EXPECT

CONSTRUCTION MITIGATION

Recent examples



GRAND ST. & BROADWAY



GRAND ST. BETWEEN CENTRE MARKET PLACE & MULBERRY ST.

COMMUNITY OUTREACH

Office of Community Outreach & Notification

- Bi-Lingual (Mandarin & English) On-Site Community Construction Liaison
- Consistent communication with Community Boards and other stakeholders (Residents, Businesses, BID, Tenant Associations, etc.)
- Brochures
- Special Advisory Notices
- E-mail Alerts
- Bi-Monthly Newsletters

Office of Community Outreach & Notification

Example of OCON outreach materials

Bi-Monthly Newsletter

RECONSTRUCTION NEWSLETTER
Office of Community Outreach and Notification

Manhattan **May-June 2014**

Installation of Trunk Water Mains Along Grand Street Project
Broadway-Essex Street

The New York City Department of Design and Construction (NYCDDC) is managing a capital construction project MED609(606) along Grand Street between Broadway and Essex Street, including each intersection. DDC will install new trunk water mains, new traffic signs and street lighting, reconstruct distribution water mains, new roadway surface, curbs and sidewalks in certain locations, as well as, rehabilitate sewer, and upgrade private utilities. The entire project is anticipated to be completed by Spring, 2017. Phase I of this project is along Grand Street from Broadway to Bowery and is scheduled to be completed by Fall, 2014. Phase I final restoration has begun in April, 2014.



Project # MED 609(606)

New Curbs & Sidewalk Have Been Installed for the North East Corner of Grand & Mulberry Streets

Proposed Work Schedule
May/June 2014

Daytime work operations include:

1. Curbs & Sidewalk Replacement in Various Locations of Grand Street from Broadway to Bowery

Work completed to Date (Within Phase I Limits)

1. All Distribution Gas Mains Have Been Replaced (Over 2,000 feet)
2. All Distribution Water Mains Have Been Replaced (Over 2,000 feet)
3. All 36" Trunk Water Main including Necessary Appurtenances Have Been Constructed (Over 2,000 feet)
4. Sewers in Need Have Been Rehabilitated or Replaced (Approx. 500 feet)
5. Substandard Catch Basins (22) Have Been Replaced with Upgraded Structures for Improved Drainage
6. All Trunk Water Mains Have Been Activated in Broadway, Bowery and Grand Street

Special Needs
Individuals with special needs who may be uniquely impacted by this project should contact the project's Community Construction Liaison, as soon as possible, to make them aware of your situation. DDC will work with you to attempt to minimize the inconvenience as much as possible.

Water Service Interruption
During the course of the project there will be service interruptions. To accommodate water main replacement, the existing water service must be shut off by closing the valves at either end of the section. Advance notice will be given for all planned interruptions. Water service will be restored at the end of the day.

Community Construction Liaison (CCL)
The DDC has assigned Nikita Sin of JED/HAKS Engineers (joint venture), as the Community Construction Liaison (CCL) for this project. Please contact Nikita for any project related inquiries/concerns you may have:
Phone: 646-412-3502 Fax: 646-412-3513
Email: grandstcc@nyc.gov
Field Office: 110 Lafayette Street, 1st Floor, New York, NY 10013

Newsletter Distribution
Construction Newsletters for this project are distributed regularly within the project area and to Community Board#2 and #3 - Manhattan.

Bill de Blasio Mayor
Dr. Feniosky Peña-Mora Commissioner

DDC Website www.nyc.gov/buildnyc
DDC Video www.nyc.gov/webvideo

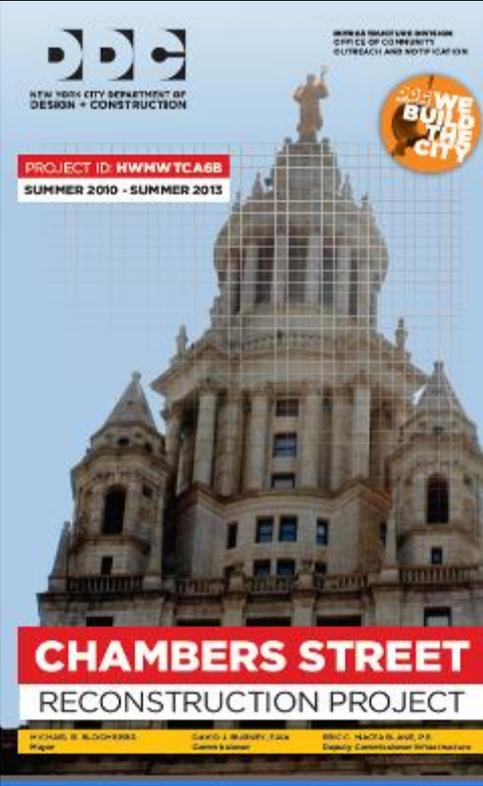
DIAL 311 Government Information and Services for NYC

Enhanced Brochure

DDC NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION
OFFICE OF COMMUNITY OUTREACH AND NOTIFICATION

PROJECT ID: HWMWYCA6B
SUMMER 2010 - SUMMER 2013

WE BUILD THE CITY



CHAMBERS STREET RECONSTRUCTION PROJECT

MICHAEL B. BLOCHBERG Mayor
DAVID J. WARDEN, FAIA Commissioner
ERIC C. HAZEN, D.E. Deputy Commissioner for Infrastructure

Weekly Look Ahead

DDC NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION
Office of Community Outreach and Notification

Lower Manhattan Trunk Water Main Projects Update - June 6, 2014
Project #MED 609(606)/ Bulletin #102

Weekly Look Ahead

Grand Street Trunk Water Main Project: Phase I & II - Borough of Manhattan
Phase I: Grand Street between Broadway & Bowery
Phase II: Grand Street between Bowery & Essex Street

Construction work weekly schedule Saturday, June 7, 2014 to Friday, June 13, 2014
WORK SHIFT IS FROM 7:00AM TO 4:00PM MONDAY TO FRIDAY, EXCEPT WHERE SPECIFIED.
THE PERMITTED WORK HOURS ARE FROM 7:00AM TO 10:00PM MONDAY TO FRIDAY; 8:00AM TO 10:00PM SATURDAY & SUNDAY; 9:00PM TO 6:00AM GRAND ST BETWEEN BOWERY & FORSYTH ST.

Sunday, June 8, 2014
NO WORK

Saturday, June 7, 2014

Operation 1	Phase I: Resetting the Granite Block Sidewalk
Location	North East Corner of Grand & Lafayette St.

Monday, June 9, 2014 to Friday, June 13, 2014

Operation 1	Phase I: Grade & Pour Sidewalk Concrete
Locations	South West Corner of Grand & Centre St.; South East Corner of Grand & Lafayette St.; South Side of Grand St. B/T Lafayette & Crosby St.
Operation 2	Phase I: Excavation & Installation for Granite Curbs
Locations	South Side of Grand St. B/T Lafayette & Crosby St.; South East Corner of Grand & Lafayette St.
Operation 3	Phase I: Excavation for Roadway Restoration
Locations	North Side of Grand B/T Mott & Baxter St.
Operation 4	Phase I: Pour Roadway Concrete Base
Location	North Side of Grand B/T Mulberry & Mott St.

Note: Due to unforeseen conditions, inclement weather, or field conditions, it may become necessary to change some scheduled work locations and operations. For further information, please contact Nikita Sin, the Community Construction Liaison at (646) 412-3502 or grandstcc@gmail.com. On weekends or outside of work hours, please call 311 with any issue or concern. For more information, please visit: www.nyc.gov/ddc or www.nyc.gov/build

DIAL 311 Be prepared to give the following information so your call can be directed properly:
 Your Name
 Borough
 Project Number
 Address in Question
 Return Phone Number

DDC NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION

KEEPING YOU INFORMED

Office of Community Outreach & Notification

- DDC has assigned **Nikita Sin** of JED/HAKS Engineers (joint venture), as the dedicated on-site Community Construction Liaison (CCL) to:
 - Keep stakeholders informed by being the first point of contact for the project
 - Identify/resolve issues
 - Provide regular updates/advisories
- CCL contact information:
 - **Phone: 646-412-3502**
 - **Fax: 646-412-3513**
 - **Email: grandstccl@gmail.com**
 - **Field Office: 110 Lafayette Street, 1st Floor, New York, NY 10013**
- DDC Website: www.nyc.gov/buildnyc or www.nyc.gov/webuild
- During Non-Working hours, please call 311 and give the Project ID: **MED609(606)**

QUESTIONS?