

BROOKLYN STREETCAR FEASIBILITY STUDY



PRESENTATION TO COMMUNITY ADVISORY COMMITTEE
OCTOBER 18TH, 2010 – CAC MEETING #1



URS

NYC

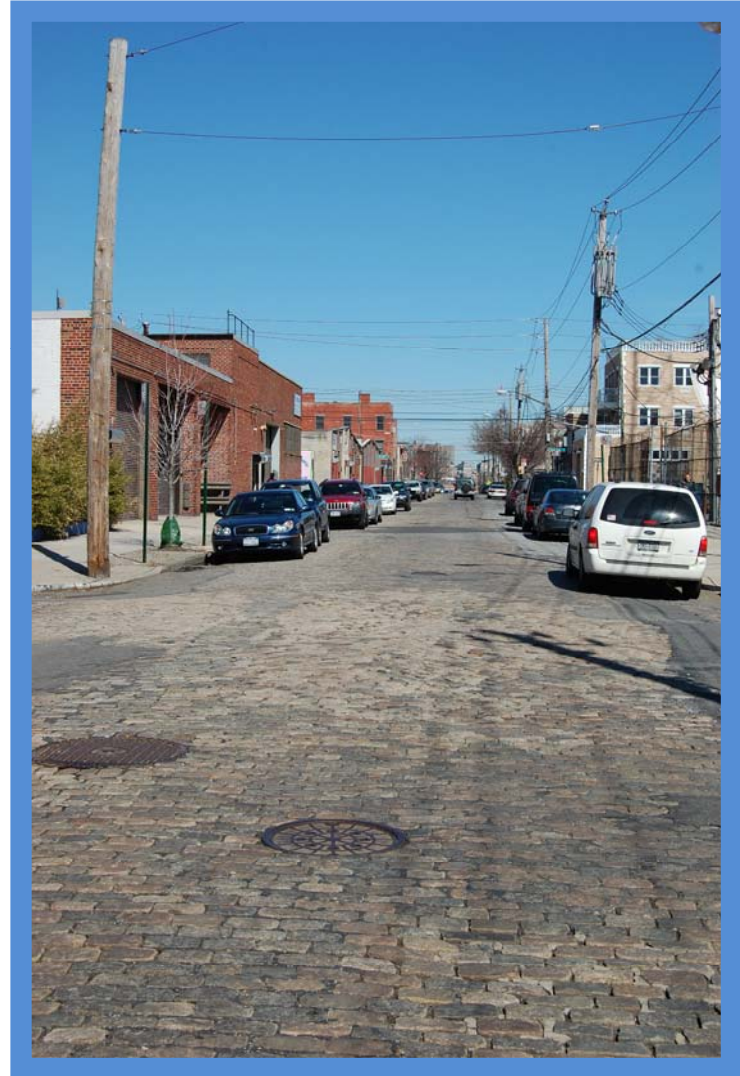
Michael R. Bloomberg
Mayor

NEW YORK CITY
DOT

Janette Sadik-Khan
Commissioner

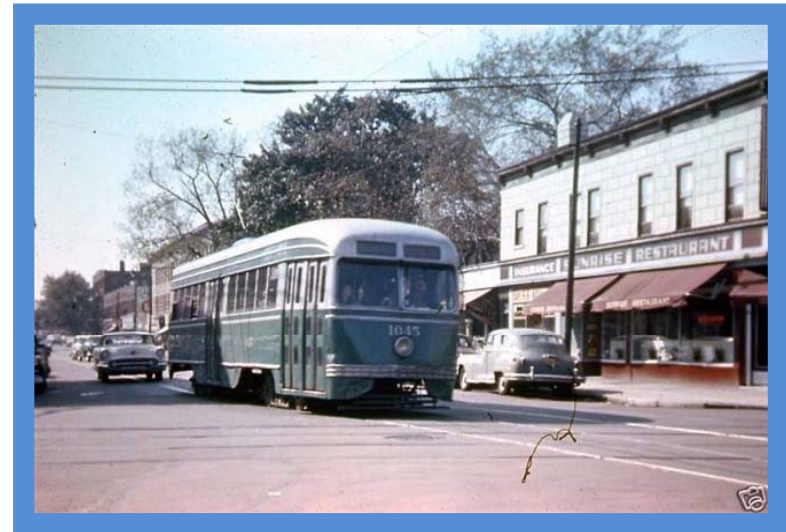
Agenda

- Study Purpose
- Brooklyn Streetcar History
- What is Streetcar?
- Streetcar Systems in Operation
- Study Area
- Goals
- Scope of Study
- Schedule



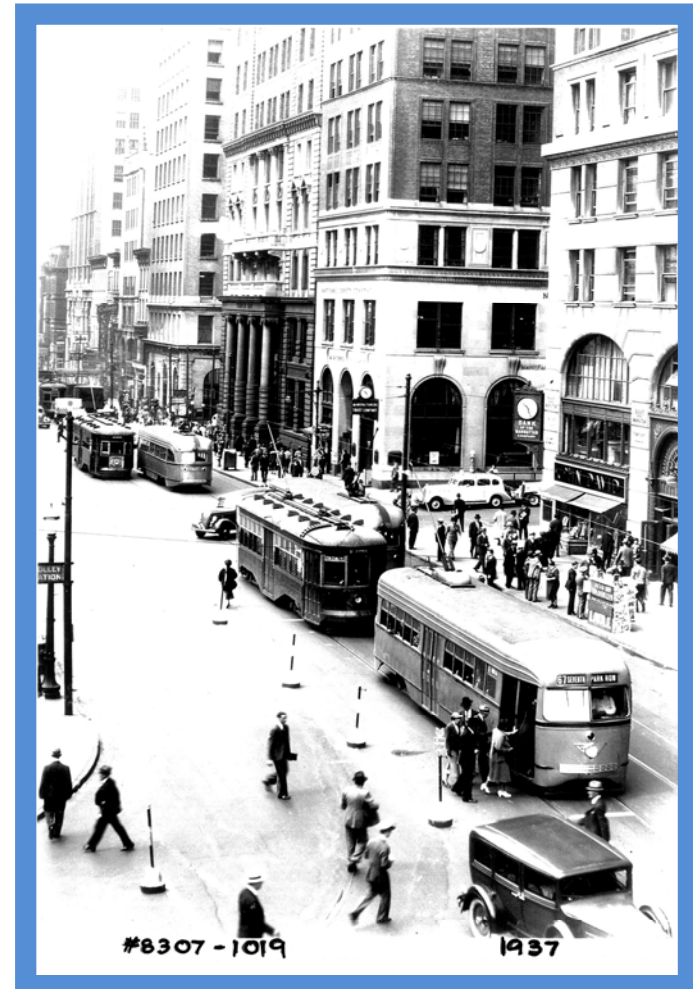
Study Purpose

- Determine the Feasibility of a Streetcar Linking Red Hook with Surrounding Areas.



Brooklyn Streetcar History

- First electric streetcar opened in 1893
- During its peak Brooklyn had 80 lines and 3000 streetcars
- Baseball team got nicknamed the “Brooklyn Trolley Dodgers”
- Last streetcar ran in 1956



What is a Streetcar?

- "Streetcar" refers to local public transportation using electric vehicles that run on rails.
- Streetcars typically run in shared traffic lanes, but can also run on a segregated right-of-way.



What is a Streetcar?



Physical Separator

Overhead
Catenary Wire



Operates in Mixed Traffic

Streetcar Vehicle Types



**Heritage Streetcar
San Francisco, CA**



**Replica
Tampa Bay, FL**



**Modern
Seattle, WA**



**Emerging Technology
Nice, France**

Streetcar Systems in Operation

Example Systems



Portland, OR



Seattle, WA



Philadelphia, PA

Streetcar System - Portland

- First modern streetcar system in the United States
- Service started in July, 2001
- Original route was a 4.8 mile loop which currently extends to 7.8 miles
- Estimated economic development impact - \$3.5 billion
- Unique 12" shallow track construction minimized impact to abutting business owners



Streetcar System - Seattle

- Service started in December, 2007
- 2.6 mile route
- Area property owners contributed to 50% of the capital costs
- Project approval to completion in 2 years
- GPS trackers allow riders to know when the next streetcar will arrive

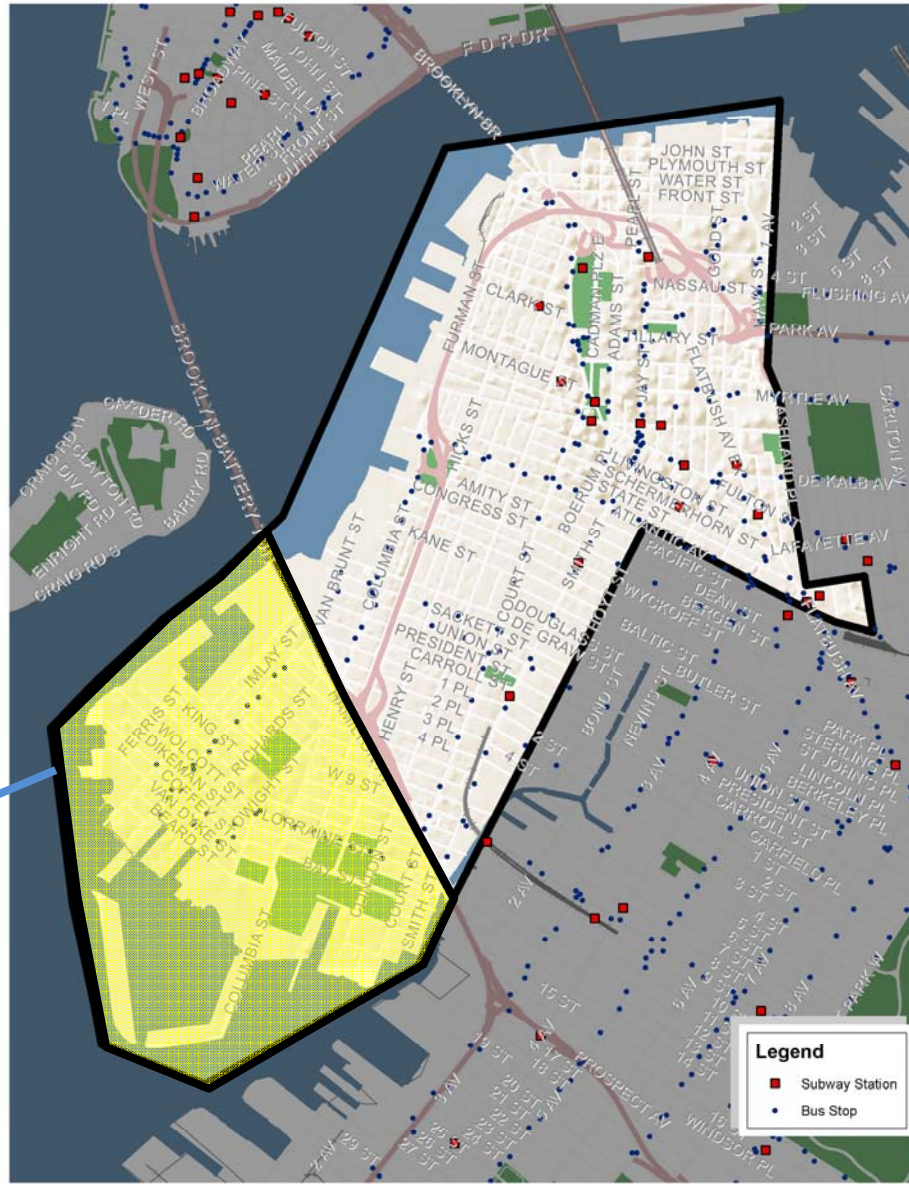


Streetcar System – Girard Avenue

- Started as horse car line in 1859
- Service ended in 1992 and restarted in September, 2005
- 8.5 mile route
- 25% of track line was rehabilitated
- 1947 PCC streetcars rebuilt and used for system



Red Hook / Brooklyn Streetcar Study Area



Red Hook / Focus Area

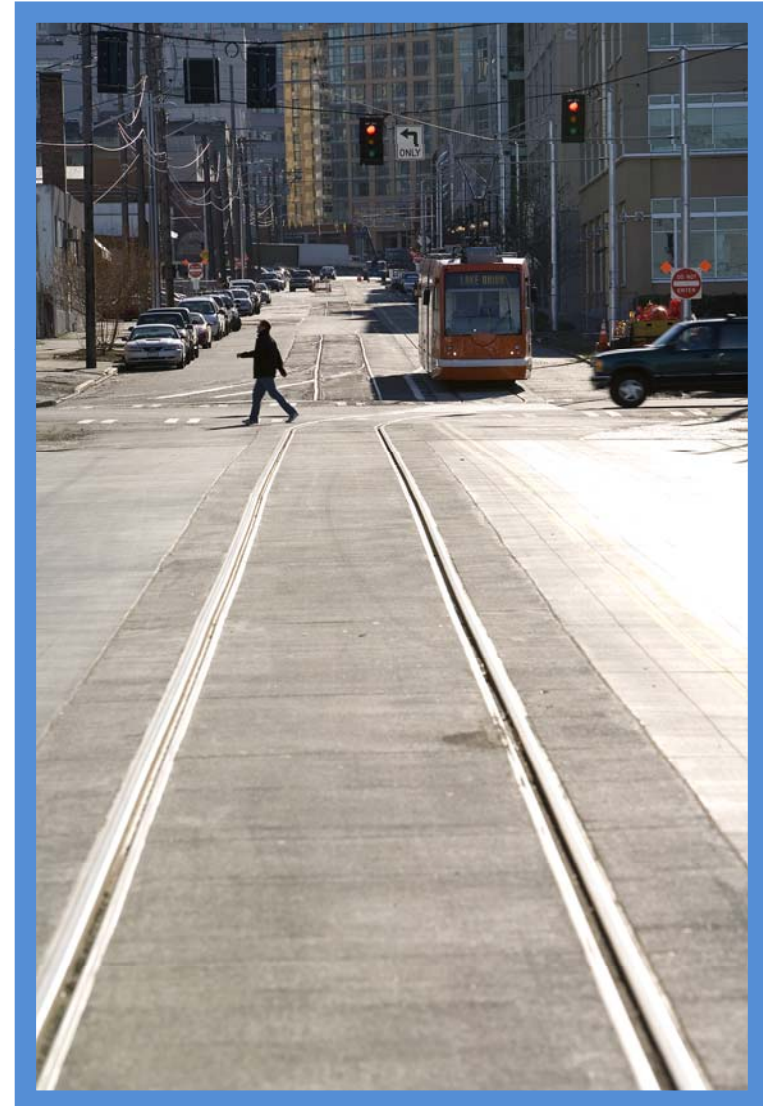
Goals

- Identify potential alignments in Red Hook.
- Identify unit costs, and potential impacts (e.g. construction, utilities, traffic).
- Determine the feasibility of a streetcar in the focus area with connections to the larger study area.

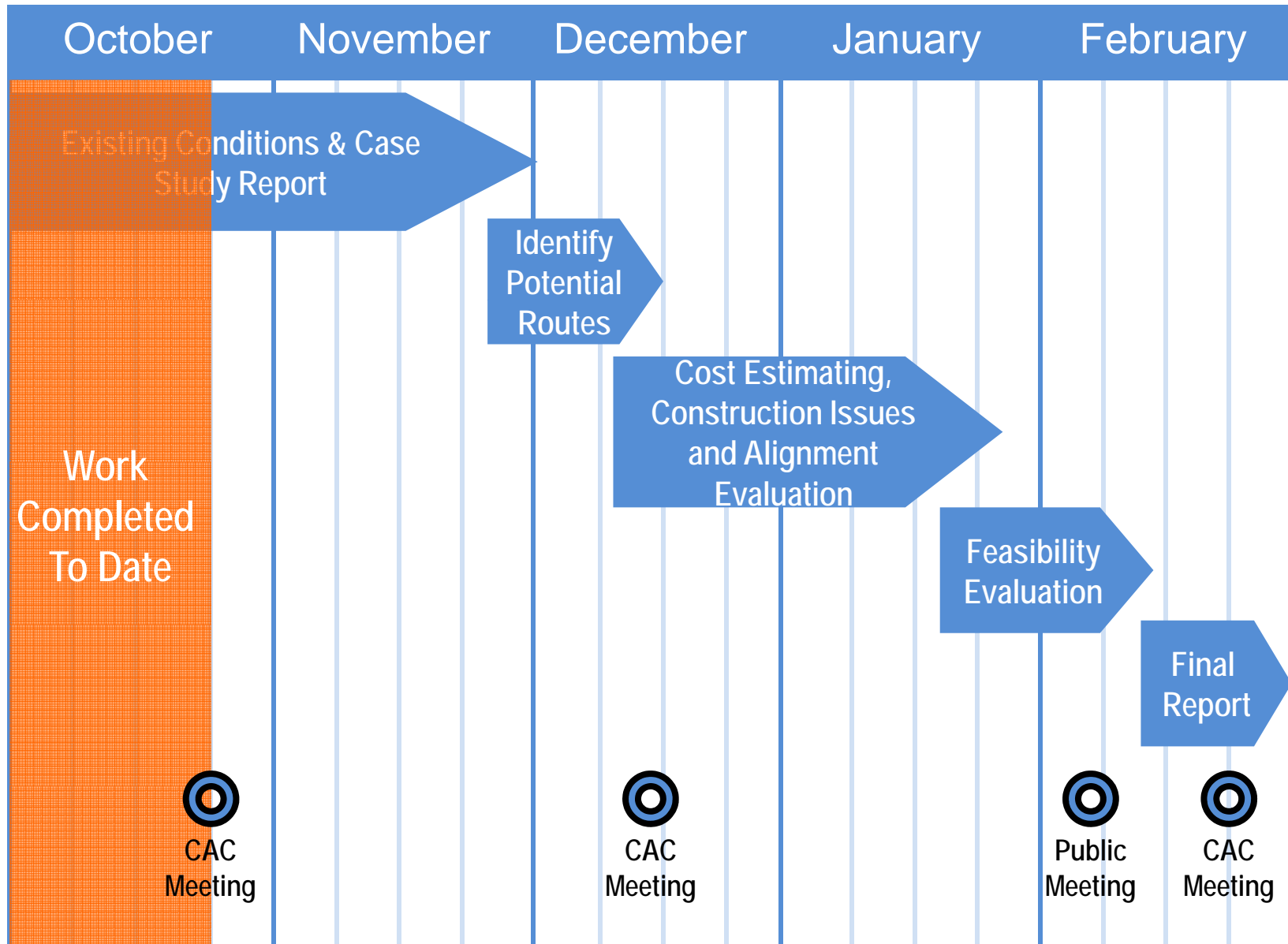


Scope of Study

- Learn from experience of other streetcar systems
- Project transit demand in Red Hook
- Identify potential streetcar routes
- Estimate costs and identify issues for feasibility of streetcar



Schedule



Brooklyn Streetcar Feasibility Study



Questions?

BROOKLYN STREETCAR FEASIBILITY STUDY



PRESENTATION TO COMMUNITY ADVISORY COMMITTEE
OCTOBER 18TH, 2010 – CAC MEETING #1



URS

NYC

Michael R. Bloomberg
Mayor

NEW YORK CITY
DOT

Janette Sadik-Khan
Commissioner