

# September 11th Memorial Program: Bus Management Plan for Lower Manhattan

Fellow:

**Alexander Wolk**, NYU Wagner

Project Supervisor:

**David Stein**, NYC DOT



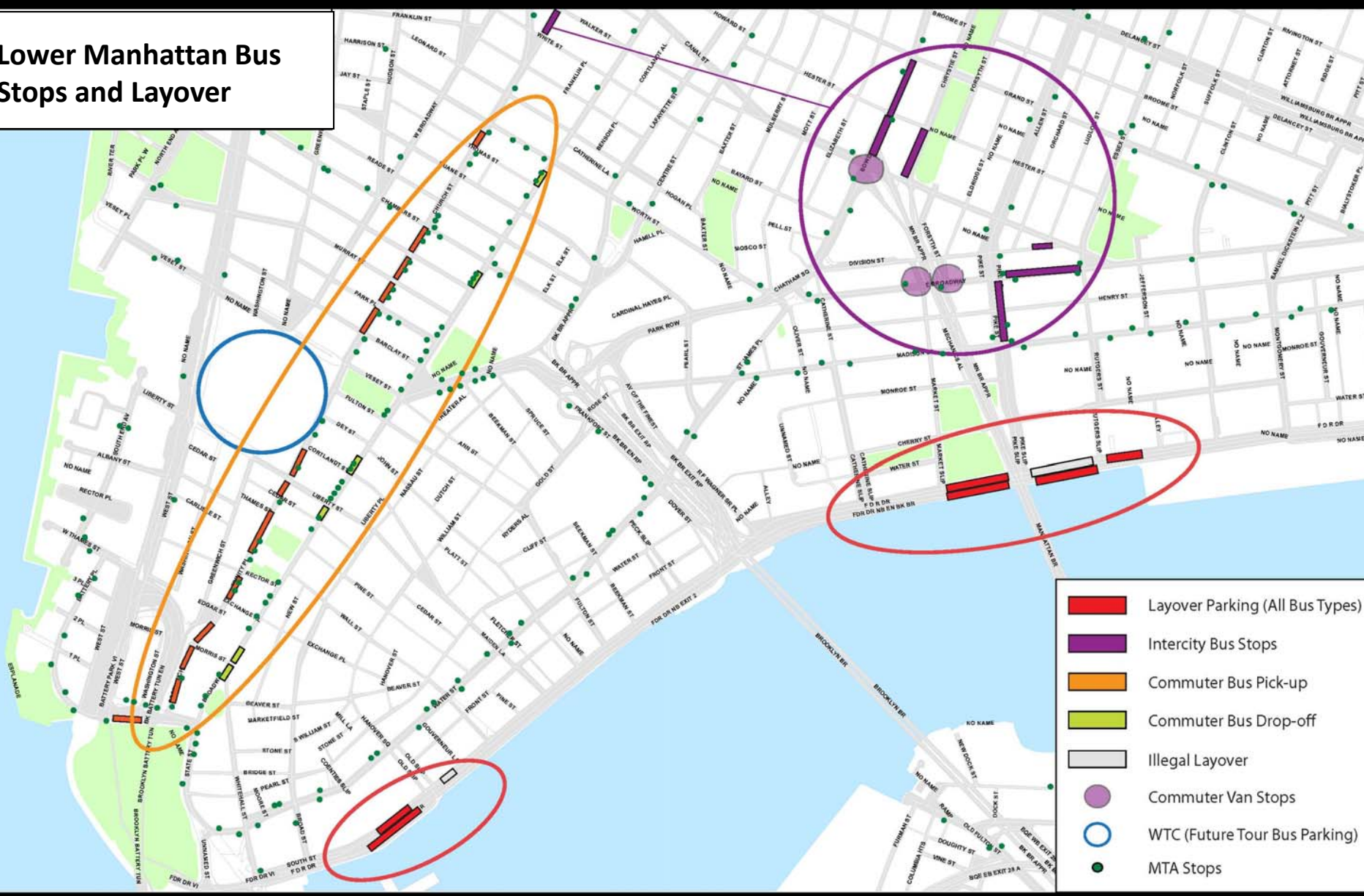
# Overview

- Problem Statement
- Review of Existing Conditions
- Bus Management System
- Next Steps
- Questions/Comments

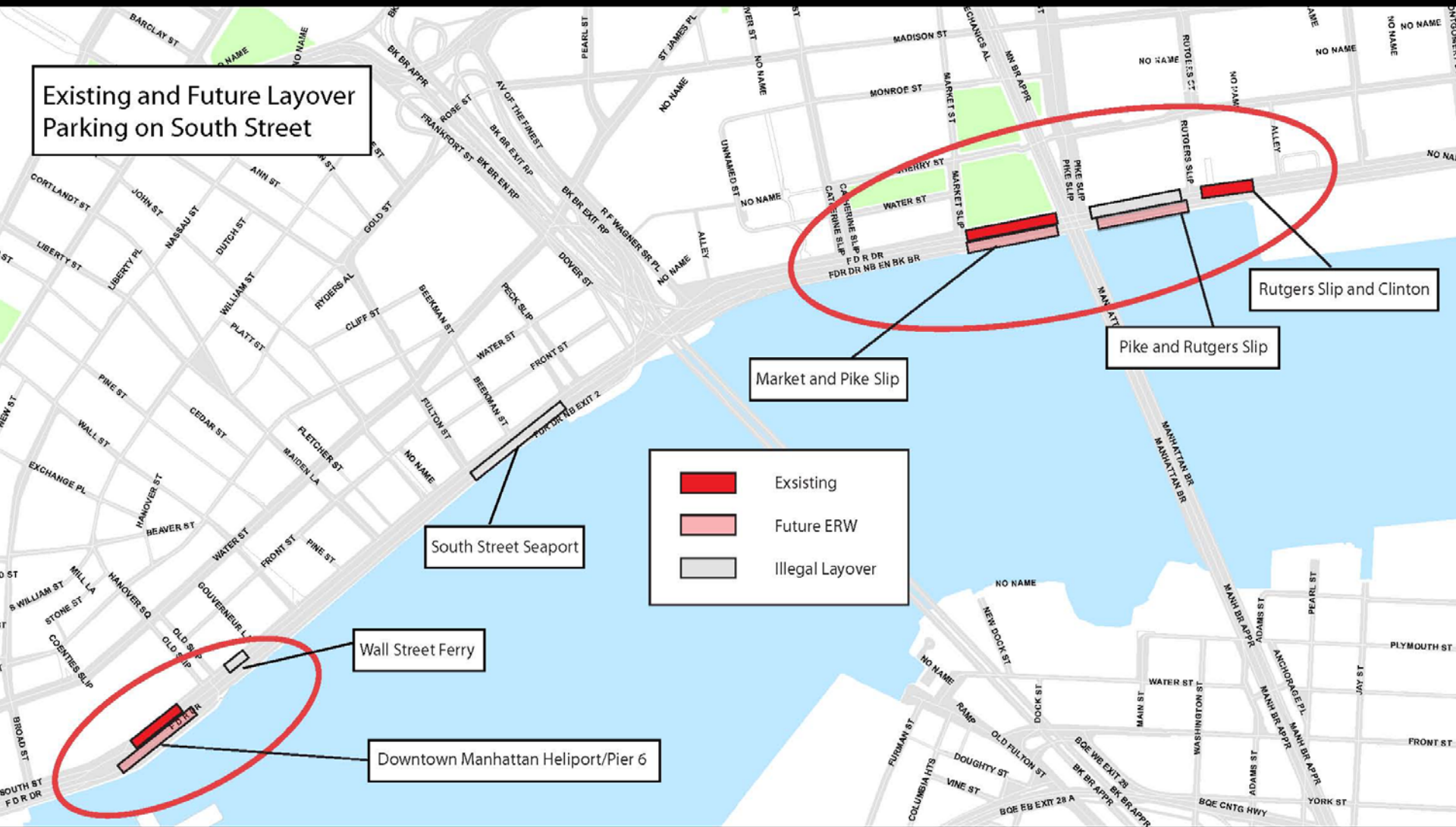
# Problem Statement

- **Large number of buses entering LM** each day
- **Limited parking/layover opportunities** for all buses
- **Legal parking opportunities are declining.** More than half of the existing layover spaces will be lost by the end of 2010
- Problem exists in other areas of City (i.e. Far West Side)

# Lower Manhattan Bus Stops and Layover

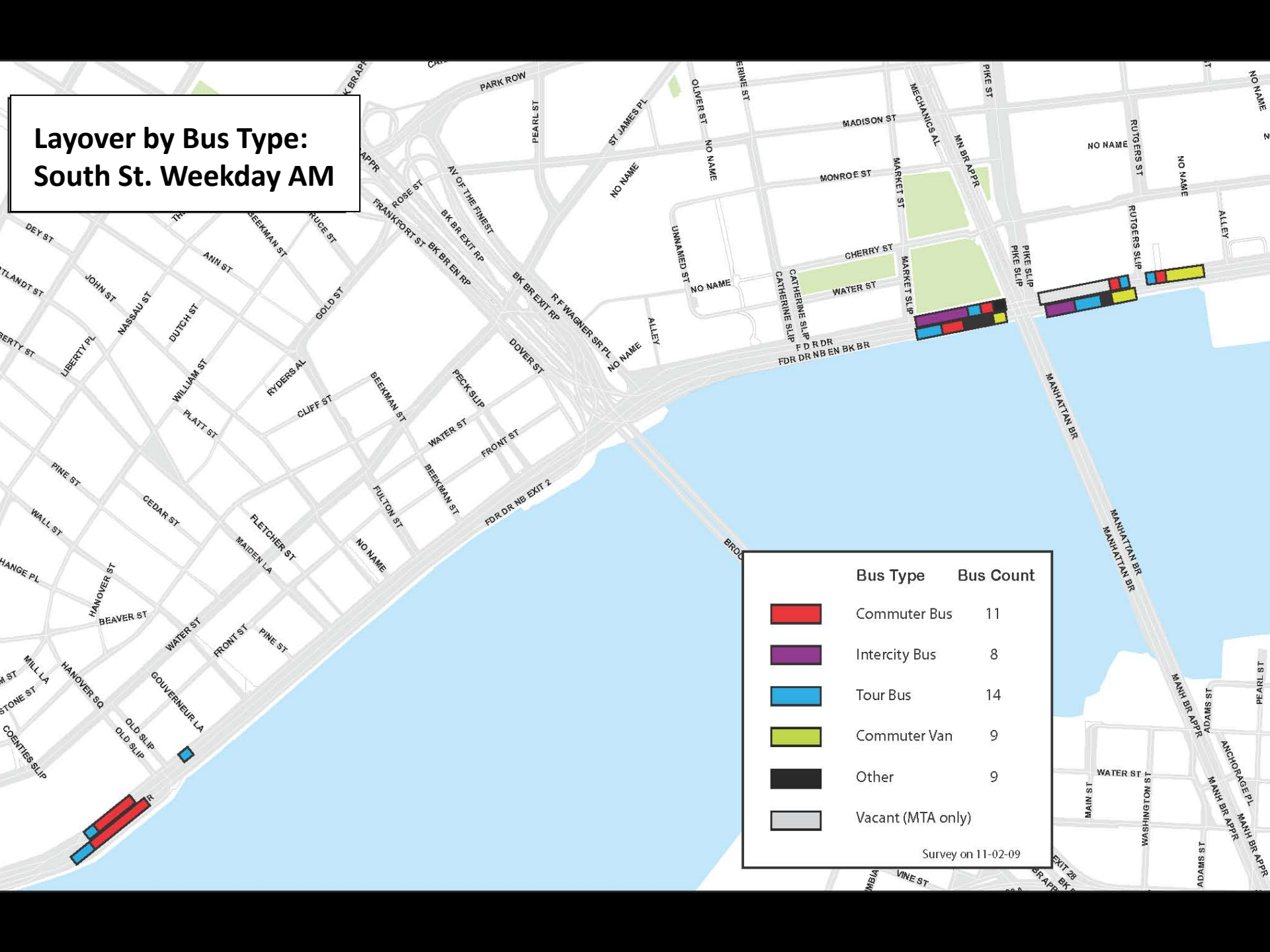








## Existing and Future Layover Parking on South Street





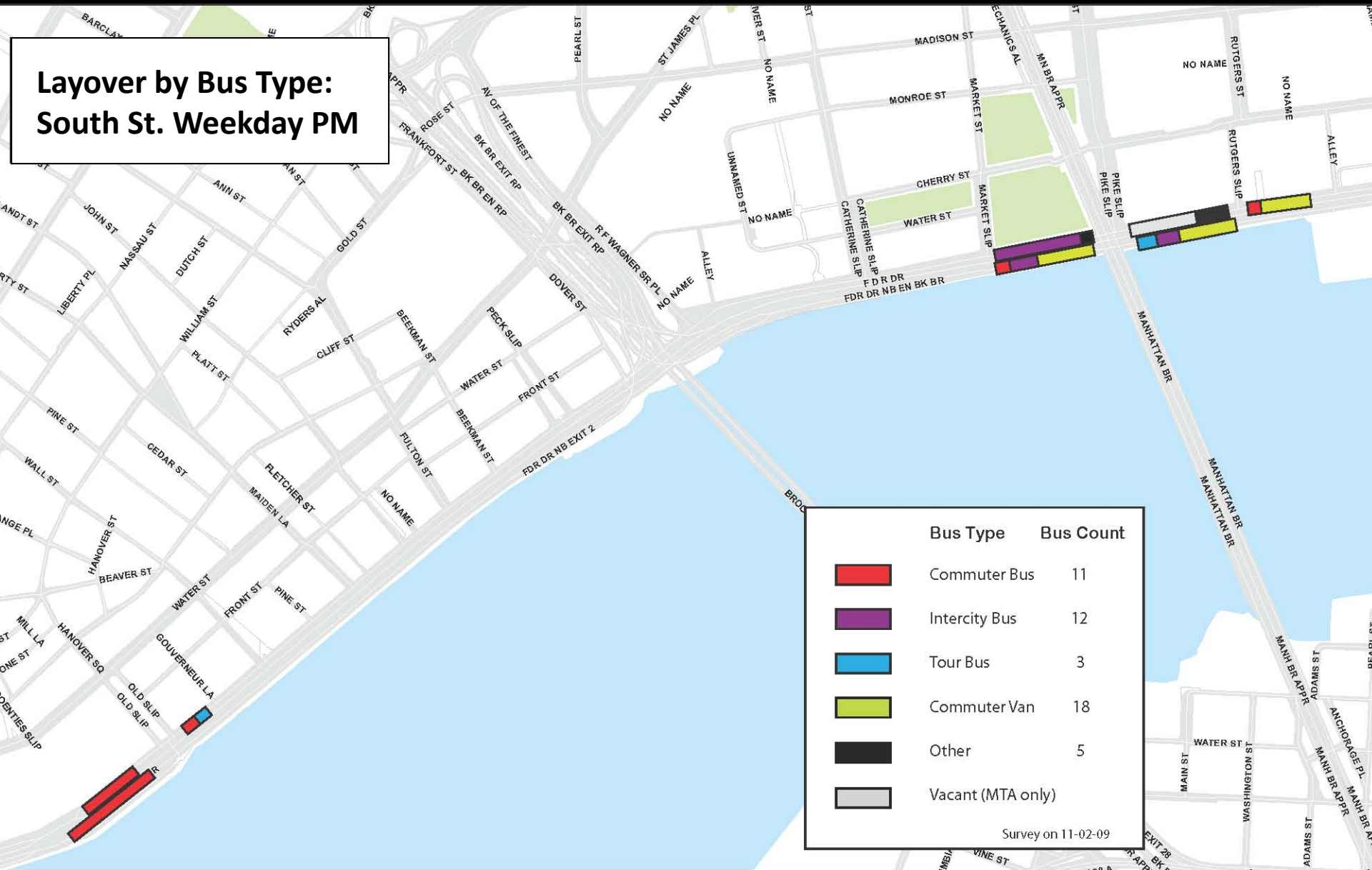
# Layover by Bus Type: South St. Weekday AM



Bus Type	Bus Count
	Commuter Bus 11
	Intercity Bus 8
	Tour Bus 14
	Commuter Van 9
	Other 9
	Vacant (MTA only)

Survey on 11-02-09

# Layover by Bus Type: South St. Weekday PM







257.4° WSW mag  
W: 074° 00' 34.08"  
N: 040° 42' 06.84"





329.4+NW mag  
- - - - -  
- - - - -





121.8°ESE mag  
-:-:-+--',--',--'  
-:-:-+--',--',--'



**M**  
WASHINGTON DC

**V**  
BALTIMORE

**P**  
NEW YORK CITY

**BUS.COM** 1-888-MVPBUS-1



PHILADELPHIA  
BALTIMORE  
NEW YORK CITY

239.2° NSM mag  
W: 073° 53' 20.77"  
N: 640° 45' 37.00"





252.4° WSW mag  
-:---+---',---"  
-:---+---',---"



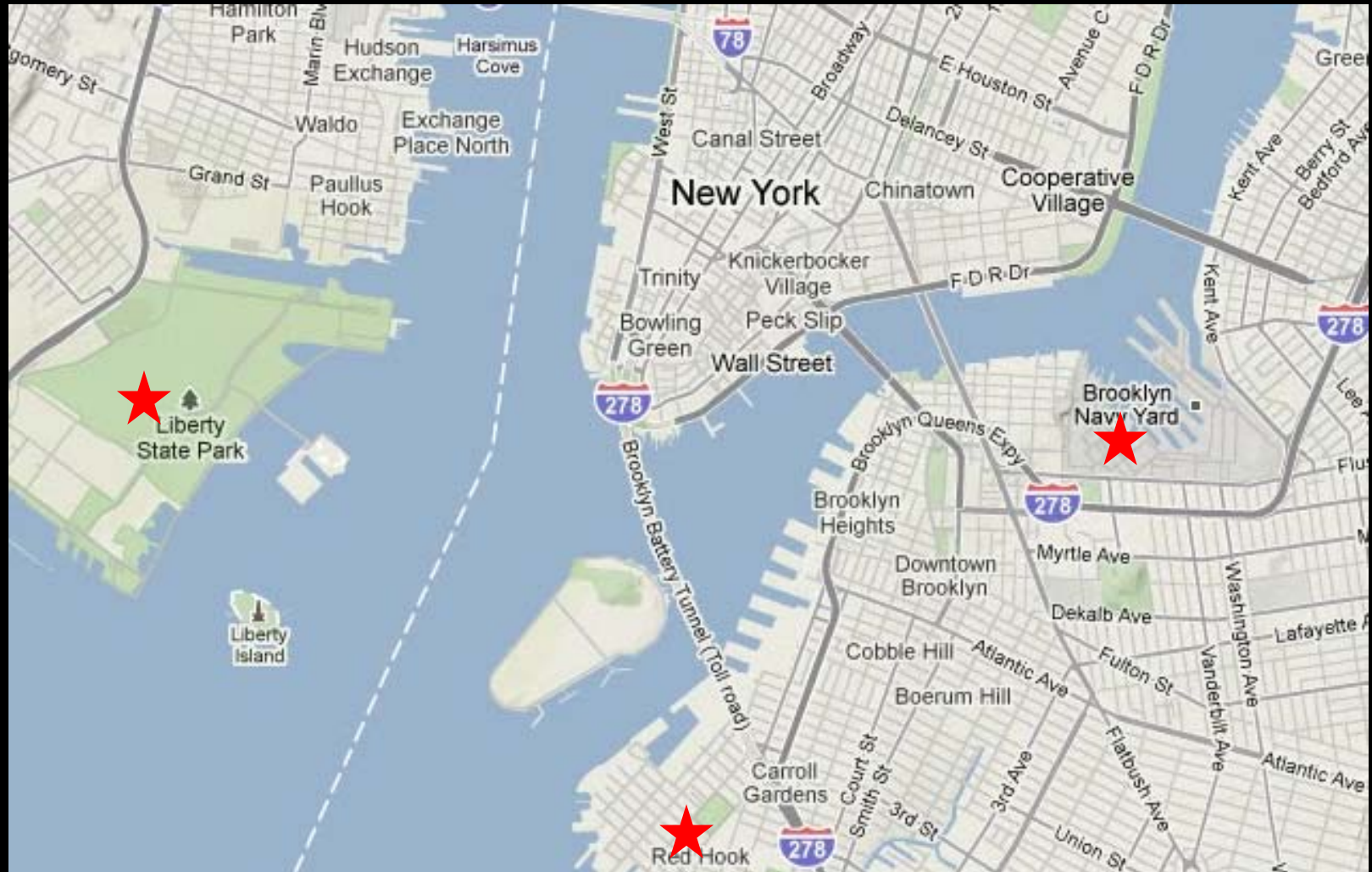
# Bus Management System

- Provide/encourage off-street locations to **accommodate long-term (all day) bus parking**
- Develop a price structure that **incentivizes minimal parking**
- Provides a **convenient payment options** to accommodate bus types

# Off-Street Parking: Previous/Ongoing Studies

- WTC Memorial Tour Bus Study (PA/SSE)
- Lower Manhattan Bus Studies
  - Bus Storage/Layover (NYCDOT, EDC)
- Chinatown
  - Chinatown Bus Study (DCP)
  - Chinatown Parking Study (NYCDOT)

# Potential Off-Street Parking



# Off-Street Solution?



<http://www.dnainfo.com/20100715/financial-district-battery-park-city/tourist-boats-could-replace-some-buses-downtown>



# Payment Options/Technology

- DDOT example



<http://ddot.dc.gov/DC/DDOT/About+DDOT/News+Room/New+Parking+Pilot+Program+Primer>

- Parkeon: Multi-Space**
- Park Mobile: Pay-by-Phone**
- Verrus: Pay-by-phone (April Launch, 700 spaces)**
- Cale Parking: Pay-by-license plate**

# Next Steps

- **Identify off-island/off-street location**
- **Develop rational pricing structure**
- **RFEI for technology**
- **Work with stakeholders to build consensus**

# September 11th Memorial Program: Bus Management Plan for Lower Manhattan

Fellow:

**Alexander Wolk**, NYU Wagner

Project Supervisor:

**David Stein**, NYC DOT

