Background

- Council Member Reyna requested a study of streetscape and safety around Borinquen Pl
- Borinquen Place is a high crash corridor
- Two recent pedestrian fatalities near Keap St and Borinquen Pl
- Bicyclist recently fatally struck on Borinquen Pl

- Several Parks/Playgrounds along BQE – Rodney St/Marcy Ave
- P.S. 319 and P.S. 19 adjacent to Borinquen Pl
- Grand street BID pedestrian safety project ends at Union Avenue
- Neighborhood transitioning from industrial/ to residential (i.e. Triangle Court Building)
Safety Data

Motor Vehicle Occupant Injuries 2006-2010

Bicyclist Injuries/Fatalities 2006-2010

Pedestrian Injuries 2006-2010

Pedestrian Fatalities 2012

Sources: Injuries, NYS Dept. of Transportation – Fatalities, NYC Dept. of Transportation
Rapid Response Toolkit

• Pavement markings
• Signal modifications
• New signage
• Painted and/or textured surfaces
• Flexible delineators
Rapid Response Toolkit

Concrete Median Examples

Southern Blvd, Bronx

Hylan Blvd, Staten Island
Proposed

Long crossing distance
130 foot crosswalk

Borinquen Pl and Grand St

Painted neckdown

Grand St

Borinquen Pl

Street angles encourages high speed turning across crosswalk
Proposed

Two pedestrian fatalities in 2012

Painted neckdown/ closed slip lane

New crosswalk and safety island

Borinquen PI and Keap St

Pedestrian demand for crossing

Painted neckdown

Borinquen PI

Keap St

S. 1st St

Grand St

S. 1st St
Proposed

S.1st St reversed for one block between Rodney and Keap Streets

Pedestrian conflict created if left turn allowed immediately after right turn

Borinquen Pl and Keap St

Borinquen Pl
Proposed

Pedestrians travelling to/from schools and parks

New markings

Borinquen Pl

New left turn lane

Rodney St

Safety median

New right turn lane

Borinquen Pl and Rodney St / S.2nd St

Painted neckdown

New crosswalk

S.2nd St
Concrete neckdown

Concrete extension

New lane markings

Borinquen PI

Unpredictable vehicle movements through crosswalk

Unmarked wide intersection

Borinquen PI and Marcy Avenue

S.3rd St
Proposed

S. 4th Street Between Marcy and Rodney

Disencourage speeding

Wide street

15' painted sidewalk extension

10' Parking Lane  12' Moving Lane  8' Parking Lane  15' Pedestrian Area

North Sidewalk

45'

South Sidewalk
Benefits

- Improved traffic flow and circulation
- Increased pedestrian safety and comfort
- Enhanced walking environment
- Landscaping and new neighborhood amenities
Summary

- Construct two landscaped pedestrian safety islands on Borinquen Pl at Rodney St and at Keap St
- Build neckdowns on Borinquen Pl at S.3rd St and at Marcy Ave
- Install new painted neckdowns on Borinquen Pl at Grand St, S. 1st St, and S. 2nd St
- Install painted sidewalk extension on S.4th St between Rodney St and Marcy Ave
- Add new crosswalks across Borinquen Pl at S. 2nd St south leg and at Keap St south leg
- Close low volume slip lane at Keap St with painted neckdown
- Reverse direction of S. 1st Street between Rodney and Keap to improve intersection operations at Borinquen and Keap
Thank You
S.3rd Street between Rodney and Keap streets speed hump study initiated December

S.2nd and Keap streets intersection stop sign study initiated December

S.2nd street between Rodney and Keap streets speed hump study initiated January
- 1 Parking Space

- 1 Parking Space

- 1 Parking Space

+ 2 Parking Space

- 1 Parking Space

- 1 Parking Space

- 1 Parking Space

+ 3 Parking Space

+ 2 Parking Space

- 1 Parking Space

No Parking Changes

Zero Parking Loss