

Joint LIRR & MNR Committee

April 18, 2016

East Side Access

48th Street Train Bridge Removal



Train Bridges Over 48th Street, Sunnyside Queens



West to
Harold
Interlocking

East

Before ESA Work

- Four Train Bridges
- Eight Tracks

West

East

37th Avenue

Barnett Avenue

48th Street

New Haven 1 (Amtrak)

Port Wash 1 (LIRR)

Main Line 3 (LIRR)

Main Line 1 (LIRR)

New Haven 2 (Amtrak)

Port Wash 2 (LIRR)

Main Line 2 (LIRR)

Main Line 4 (LIRR)

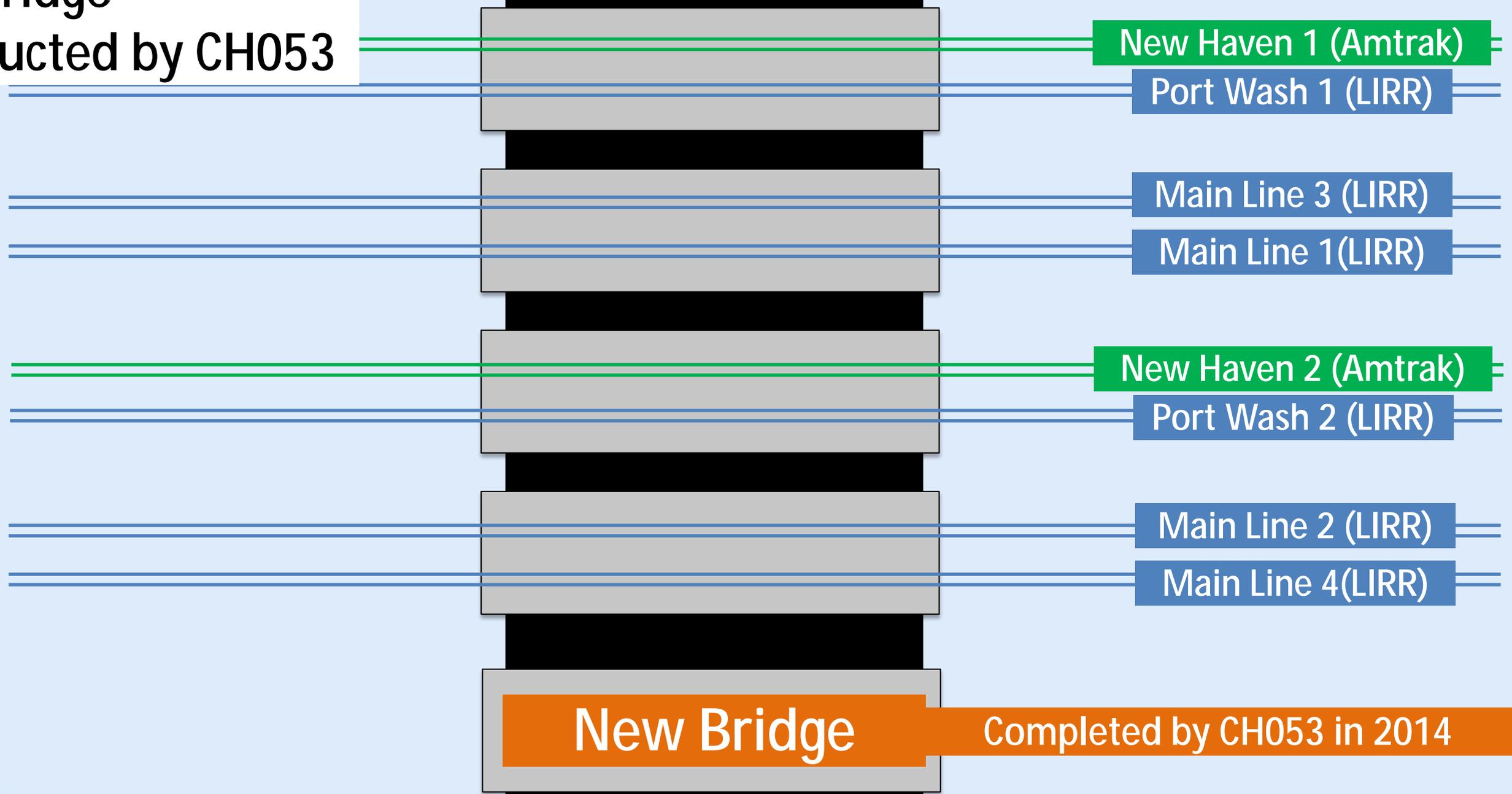
2014

37th Avenue

- New bridge constructed by CH053

West

East



New Bridge

Completed by CH053 in 2014

Barnett Avenue

Street

2014

- Temporary Main Line 2 and Permanent Main Line 4 tracks constructed and "thrown" by CH057B

West

East

37th Avenue

Barnett Avenue

Street

New Bridge

New Haven 1 (Amtrak)

Port Wash 1 (LIRR)

Main Line 3 (LIRR)

Main Line 1 (LIRR)

New Haven 2 (Amtrak)

Port Wash 2 (LIRR)

Temp. Main Line 2 (LIRR)

Perm. Main Line 4 (LIRR)

2014

- Existing tracks demolished by CH057C in August 2014

West

East

37th Avenue

Barnett Avenue

Street

New Bridge

New Haven 1 (Amtrak)

Port Wash 1 (LIRR)

Main Line 3 (LIRR)

Main Line 1 (LIRR)

New Haven 2 (Amtrak)

Port Wash 2 (LIRR)

Temp. Main Line 2 (LIRR)

Perm. Main Line 4 (LIRR)

X

X

X

X

2014

- Existing tracks demolished by CH057C
- Temp. Main Line 2 and Permanent Main Line 4 tracks run over new bridge

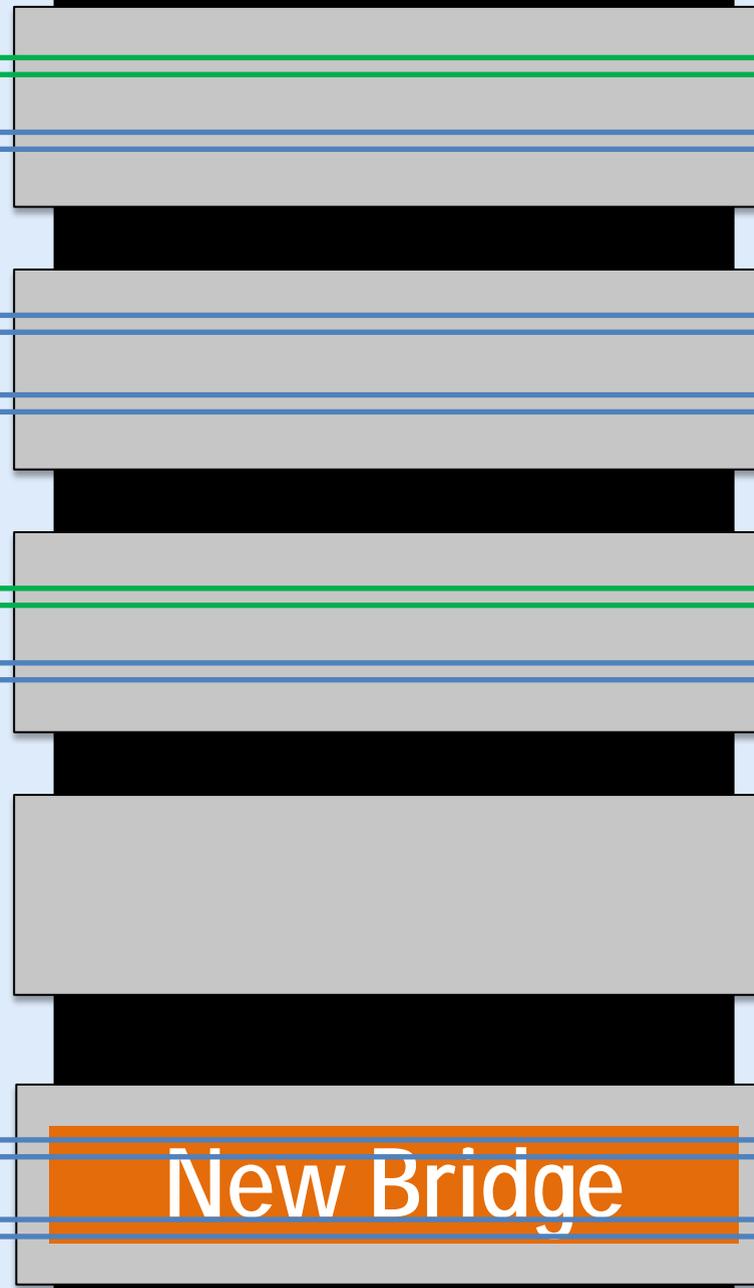
West

East

37th Avenue

Barnett Avenue

Street



New Haven 1 (Amtrak)

Port Wash 1 (LIRR)

Main Line 3 (LIRR)

Main Line 1 (LIRR)

New Haven 2 (Amtrak)

Port Wash 2 (LIRR)

Temp. Main Line 2 (LIRR)

Perm. Main Line 4 (LIRR)

New Bridge

2016

- 48th Street Bridge demolished by CH057, April 2016

West

East

37th Avenue

Barnett Avenue

Street

Bridge Demolished

New Haven 1 (Amtrak)

Port Wash 1 (LIRR)

Main Line 3 (LIRR)

Main Line 1 (LIRR)

New Haven 2 (Amtrak)

Port Wash 2 (LIRR)

Temp. Main Line 2 (LIRR)

Perm. Main Line 4 (LIRR)



- Each of the 2 long spans weighed 38,000 lbs



- Each of the 4 short sections weighed 26,000 lbs

2016

- 48th Street Bridge demolished by CH057, April 2016

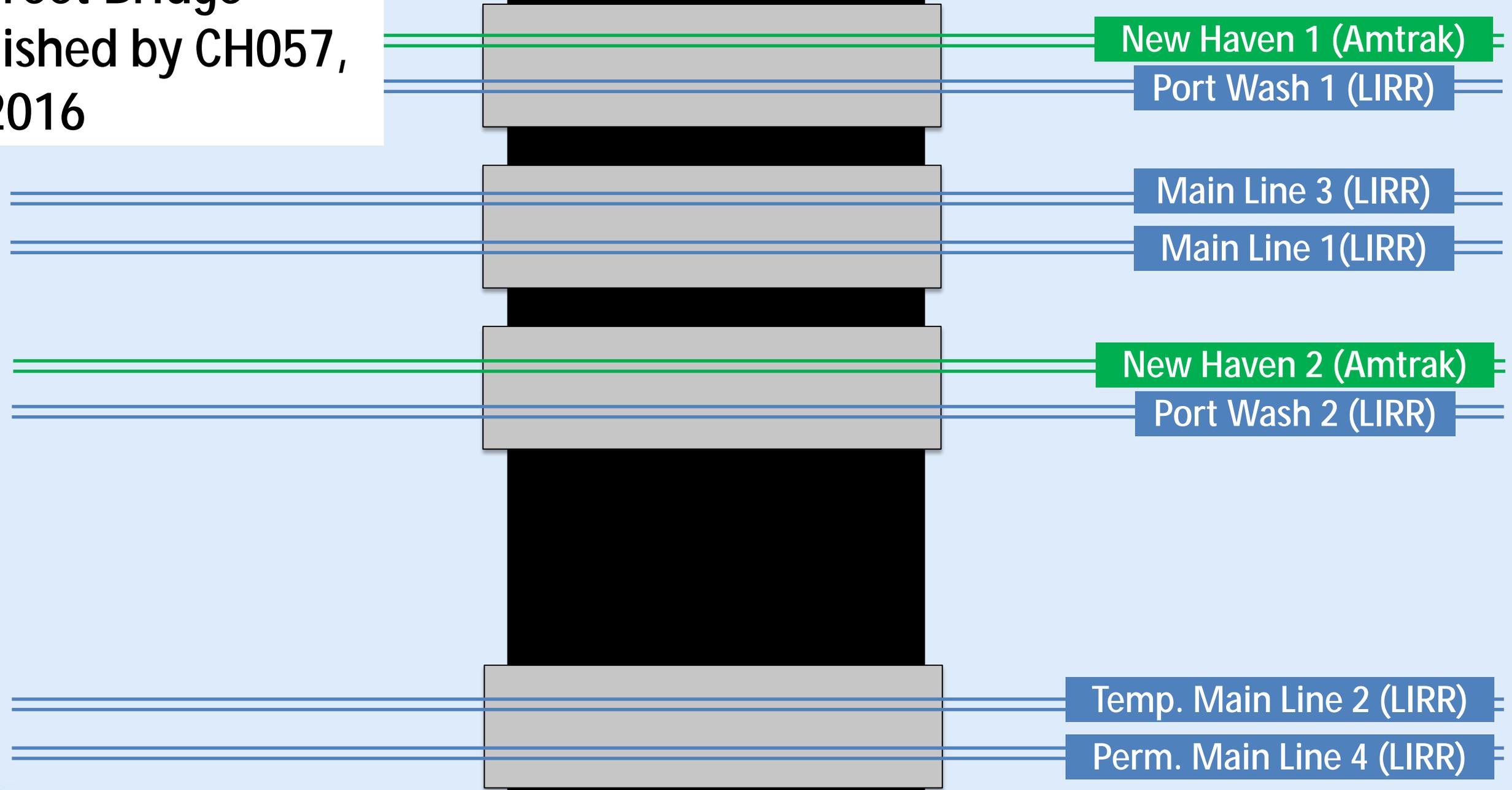
West

East

37th Avenue

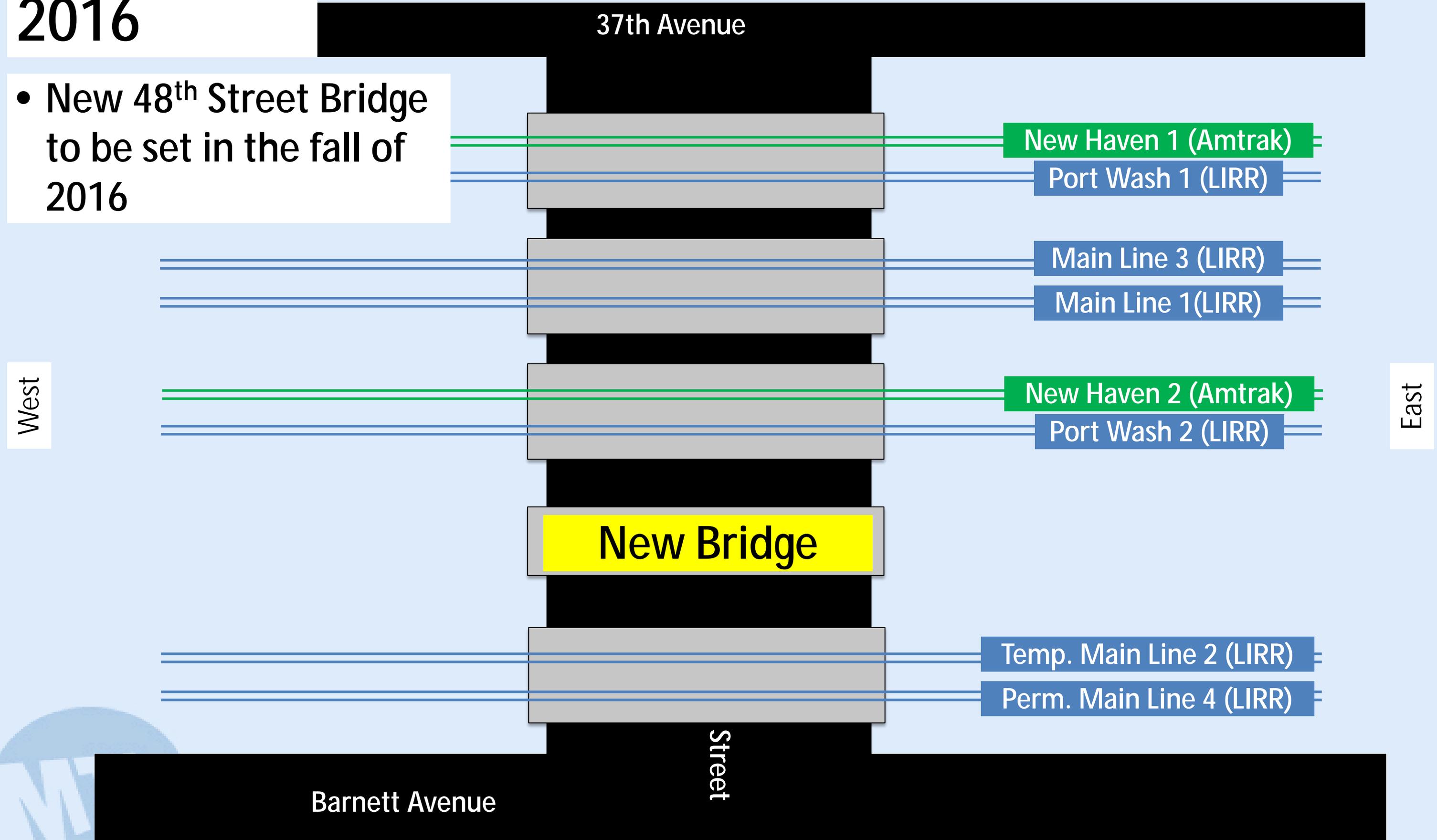
Barnett Avenue

Street



2016

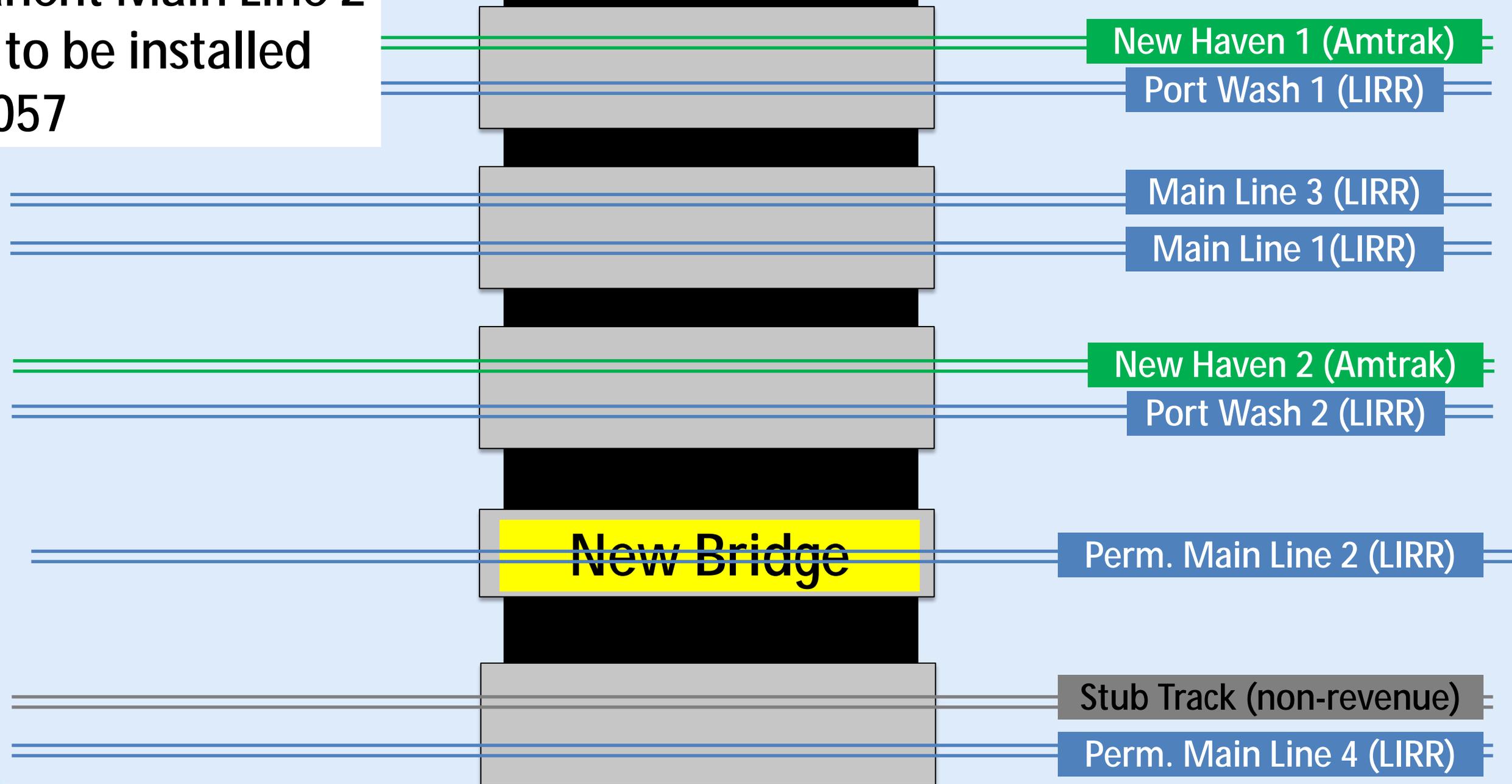
- New 48th Street Bridge to be set in the fall of 2016



2016-2017

37th Avenue

- Permanent Main Line 2 tracks to be installed by CH057



West

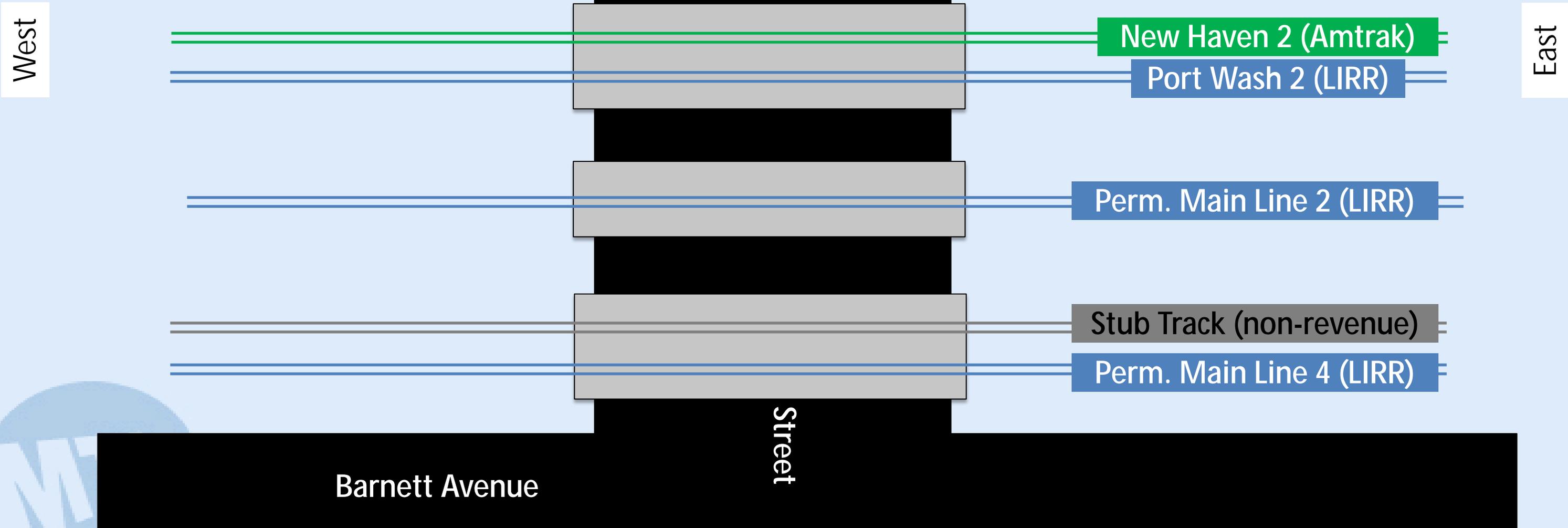
East

Barnett Avenue

Street

After ESA Work

- Five Train Bridges (2 new, 3 existing)
- Eight revenue tracks, one stub track for emergencies and lay-up



Thank you

