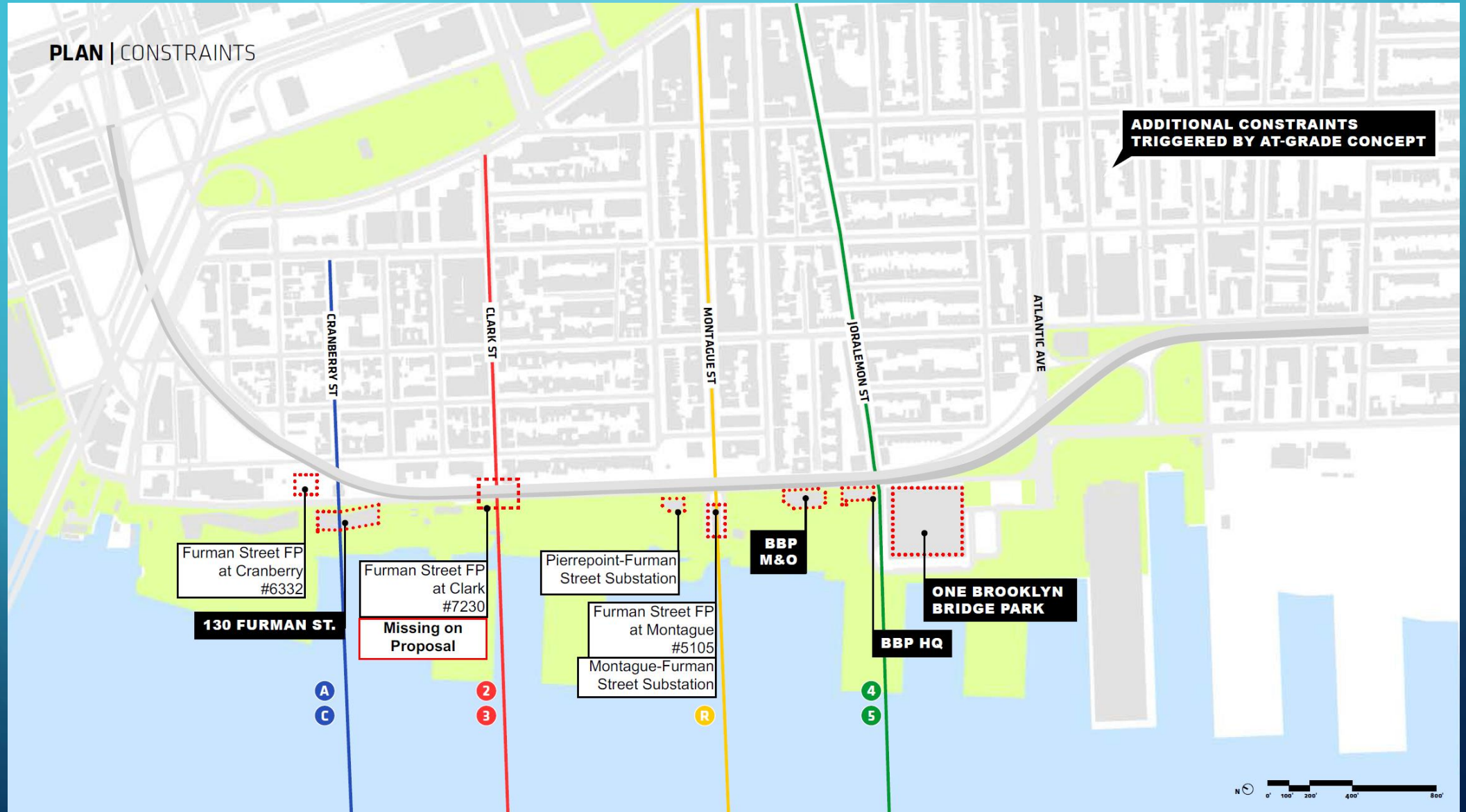


OVERVIEW OF NYCT FACILITIES

- Locations Affected
- Site Details
- Site Pictures
- System Descriptions
- Impact Considerations

NYCT FACILITIES: LOCATIONS AFFECTED



DOT BQE Map with NYCT Facilities

NYCT FACILITIES: SITE DETAILS

Fan Plants

1. Furman Street at Cranberry, #6332 – Two (2) 250 HP Fans
2. Furman Street at Clark, #7230 – Four (4) 250 HP Fans (**Missing on Proposal**)
3. Furman Street at Montague, #5105 – Eight (8) 75 HP Fans

Traction Power Substations

1. Pierrepont-Furman Street Substation, supplies 2,3 Train – Two (2) 3 MW units
2. Montague-Furman Street Substation, supplies R Train – Two (2) 3 MW units

NYCT FACILITIES: SITE PICTURES



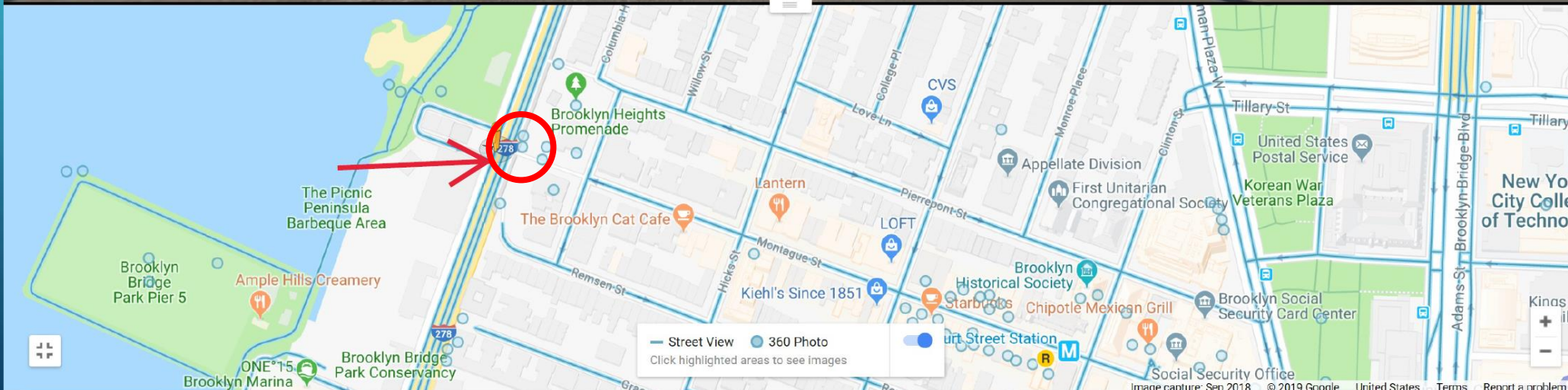
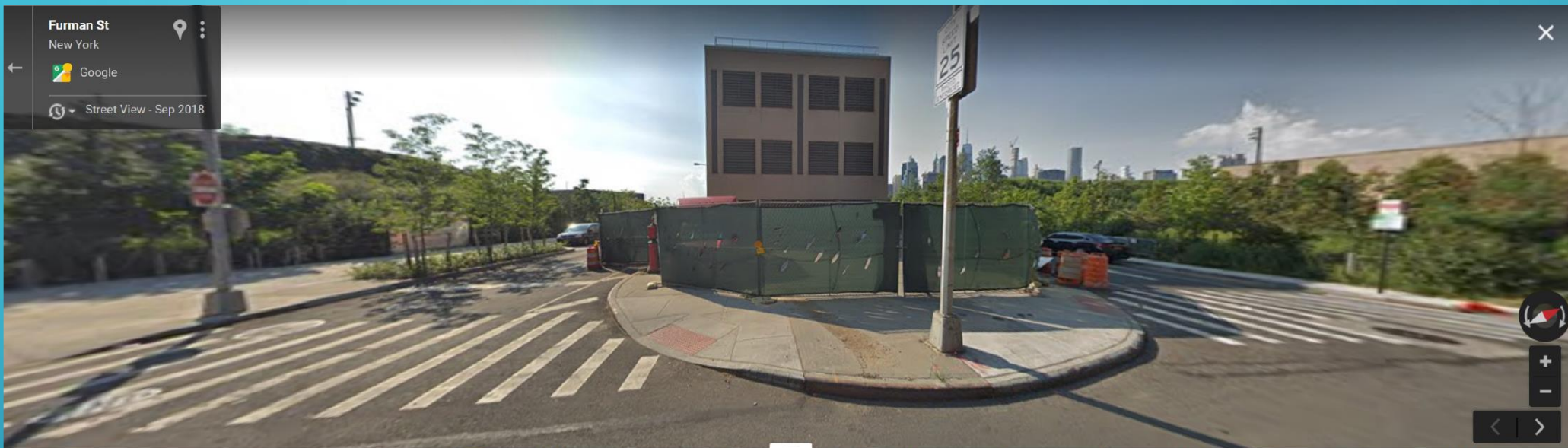
Furman Street at Cranberry, #6332

NYCT FACILITIES: SITE PICTURES



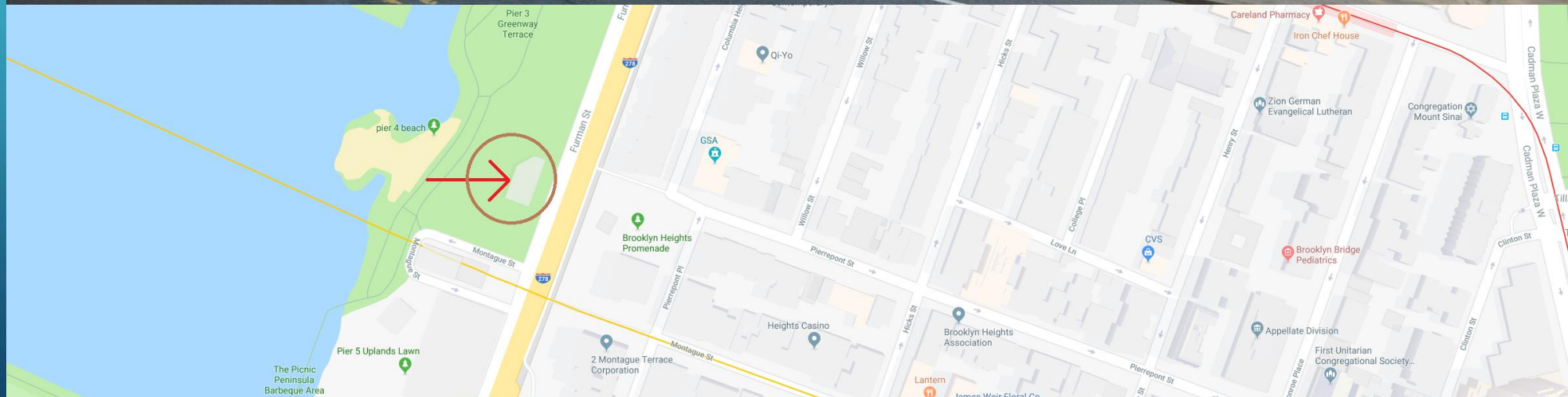
Furman Street at Clark, #7230 (Missing on Proposal)

NYCT FACILITIES: SITE PICTURES



Furman Street at Montague, #5105

NYCT FACILITIES: SITE PICTURES



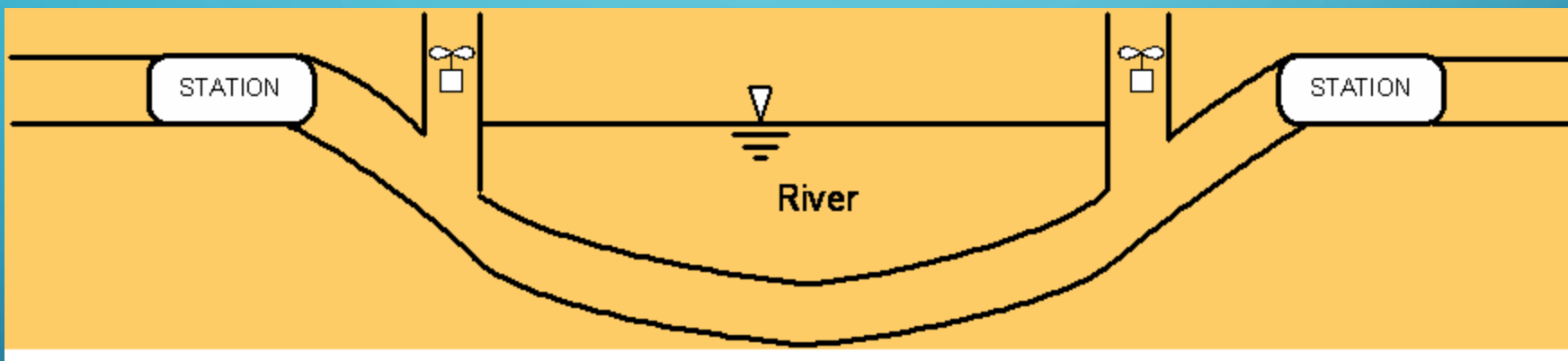
Pierrepoint-Furman Street Substation, supplies 2,3 Train

NYCT FACILITIES: SITE PICTURES



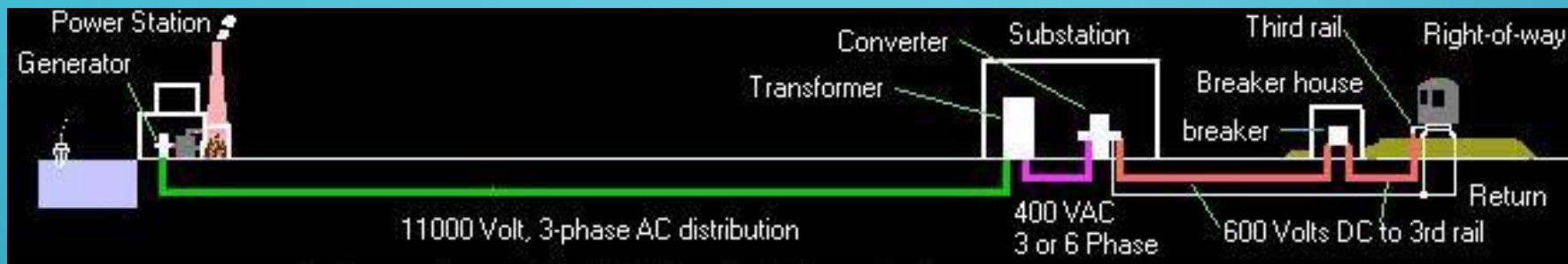
Montague-Furman Street Substation, supplies R Train

NYCT FACILITIES: SYSTEM DESCRIPTION - FAN PLANTS



Blows Fresh Air, Exhausts Smoke During a Fire Condition

NYCT FACILITIES: SYSTEM DESCRIPTION - SUBSTATIONS



Supplies Power to the 3rd Rail for Trains

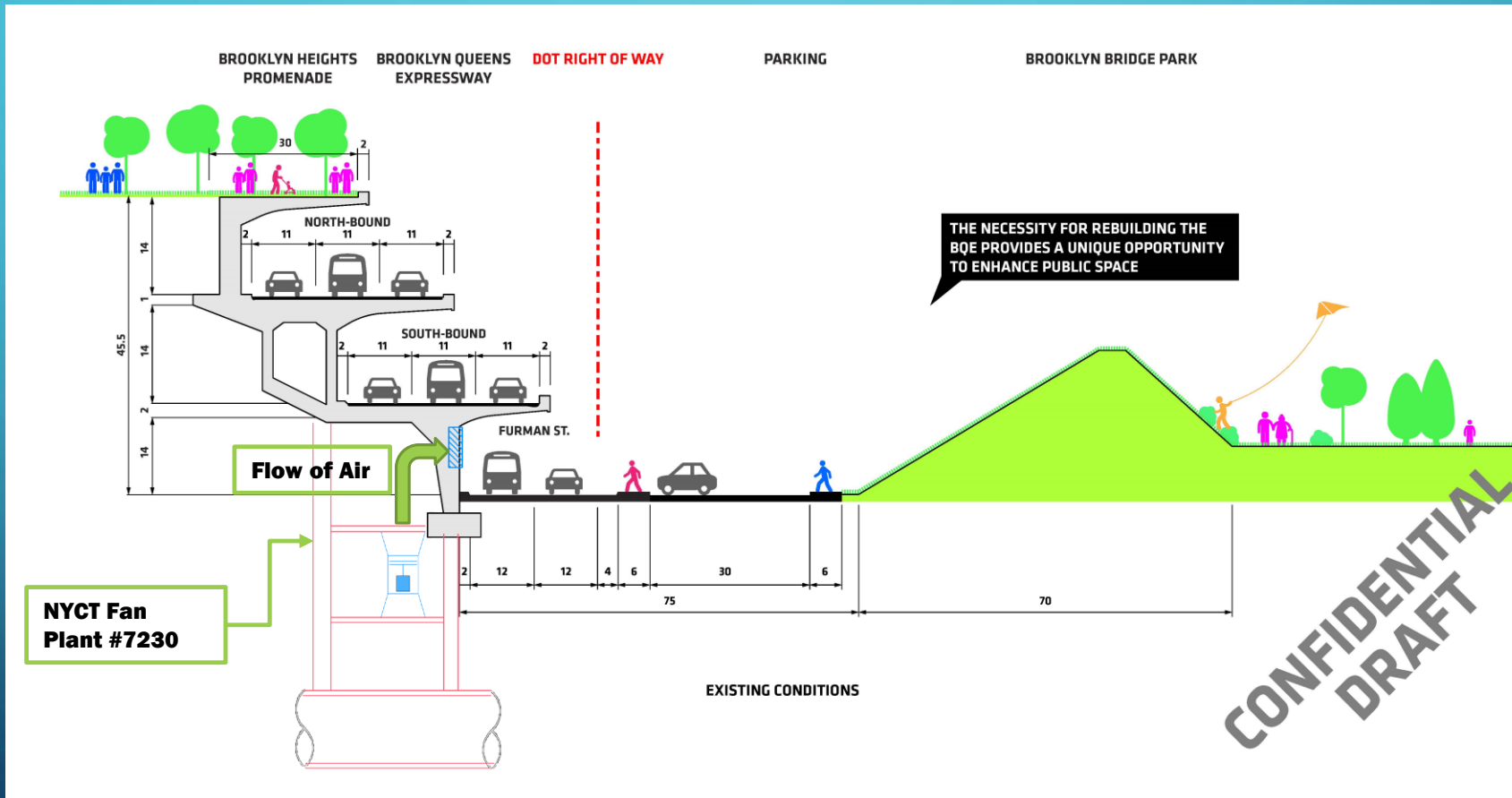
NYCT FACILITIES: IMPACT CONSIDERATIONS

- System Effects
- Underground Fan Plant – Missing on Proposal
- New Facility Cost, Duration
- Recent Facility Expenses
- Environmental

NYCT FACILITIES: IMPACT CONSIDERATIONS: SYSTEM EFFECTS

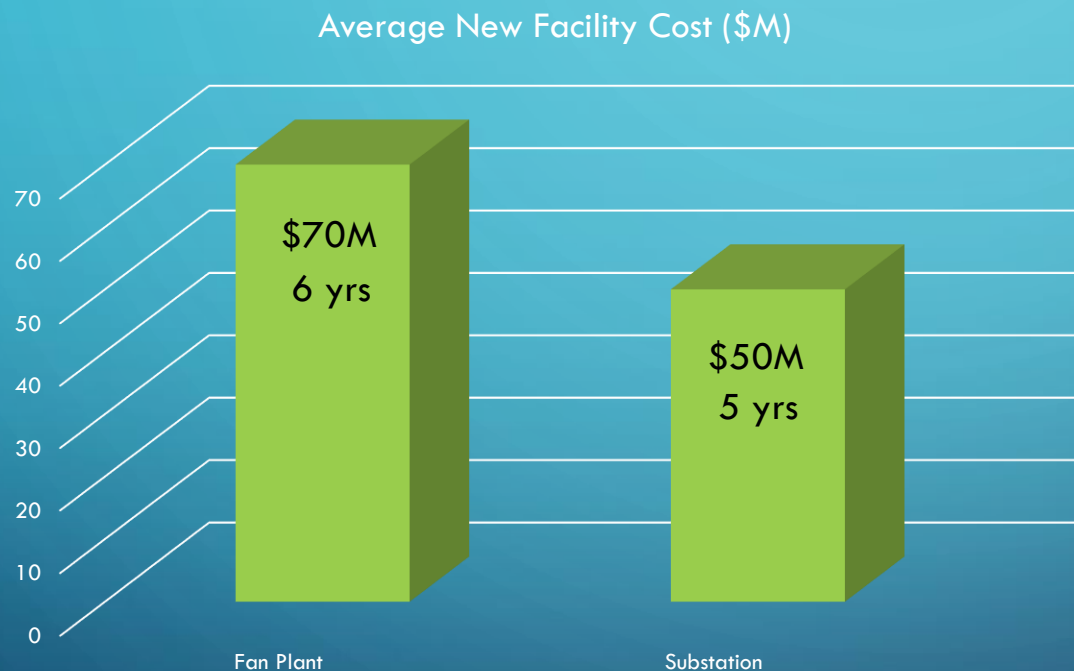
- Fan Plants (FP)
 - FP location dictates fan sizes → Relocating requires CFD analysis
 - All FPs have emergency exit shafts from tunnel to street → Must be accessible
- Traction Power Substations (TPSS)
 - Recent Studies have called for system improvements → No redundancy in area

NYCT FACILITIES: IMPACT CONSIDERATIONS: UNDERGROUND FAN PLANT



Furman Street at Clark, #7230 – Effects on this FP must be discussed

NYCT FACILITIES: IMPACT CONSIDERATIONS: NEW FACILITY COST, DURATION



Recent Expenses

Fan Plant Flood Proofing:

2015 to 2020 → ~\$2.8M / FP

* New facility cost and duration includes design and construction

NYCT FACILITIES: IMPACT CONSIDERATIONS: ENVIRONMENTAL

- Require an Analysis of Reconstruction or Site Relocation
- Develop Documentation:
 - Environmental Due Diligence Assessment (EDDA)
 - SEQR Environmental Assessment
 - Environmental Impact Statement (EIS)
 - Construction Environmental Protection Plan (CEPP)