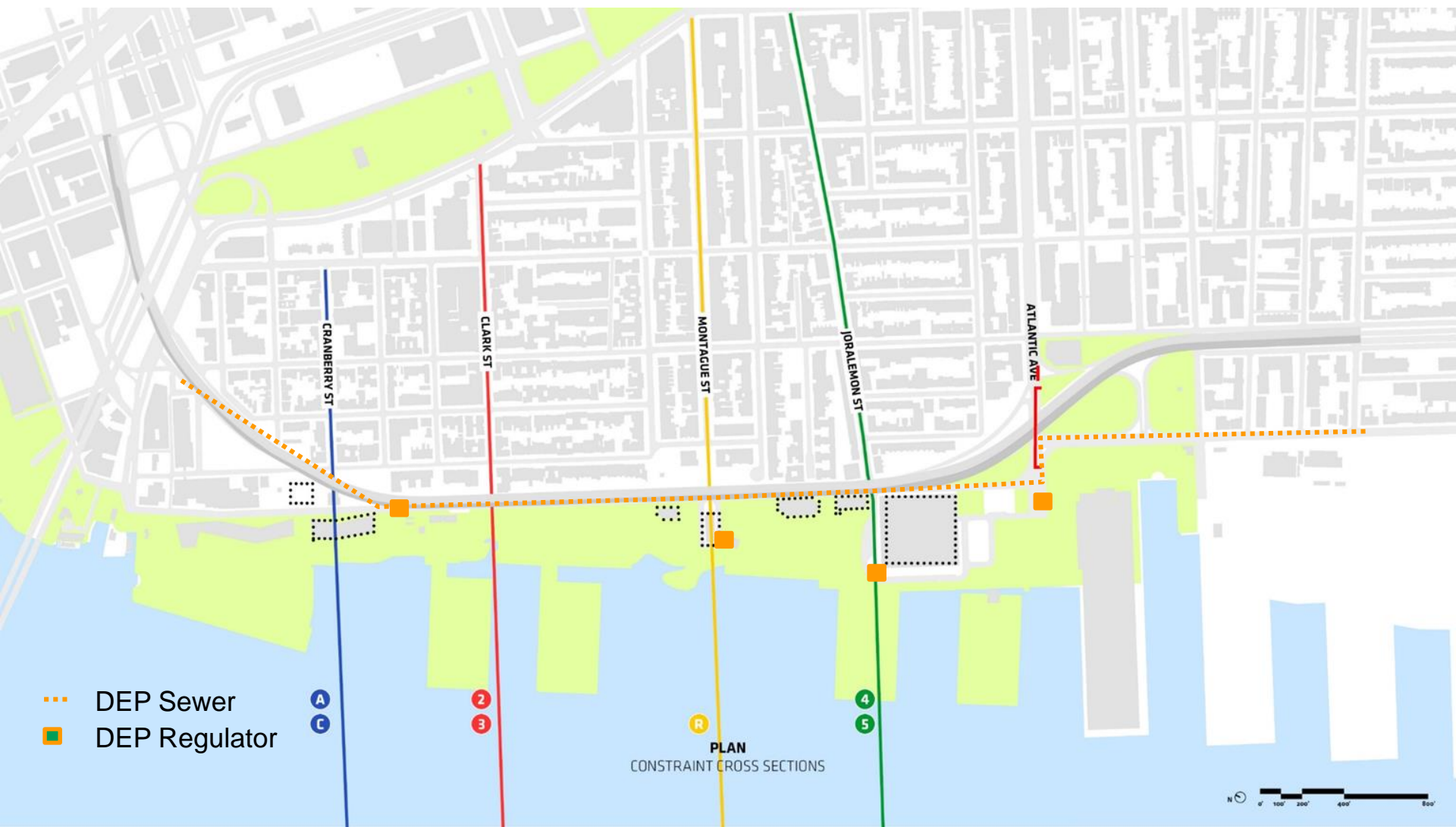




DEP Infrastructure – Brooklyn Waterfront

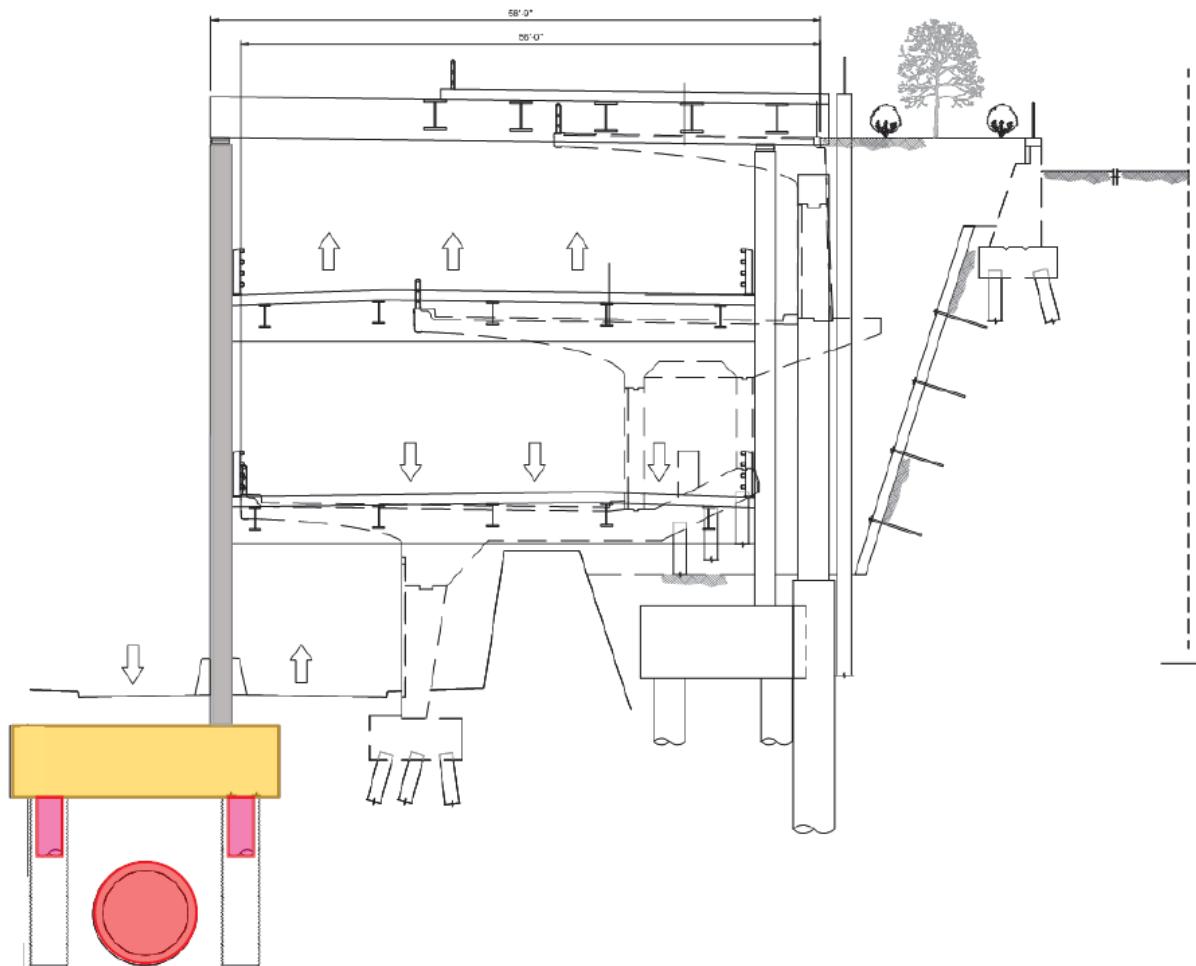
April 17, 2019

DEP Infrastructure



DOT Proposed Temporary Roadway

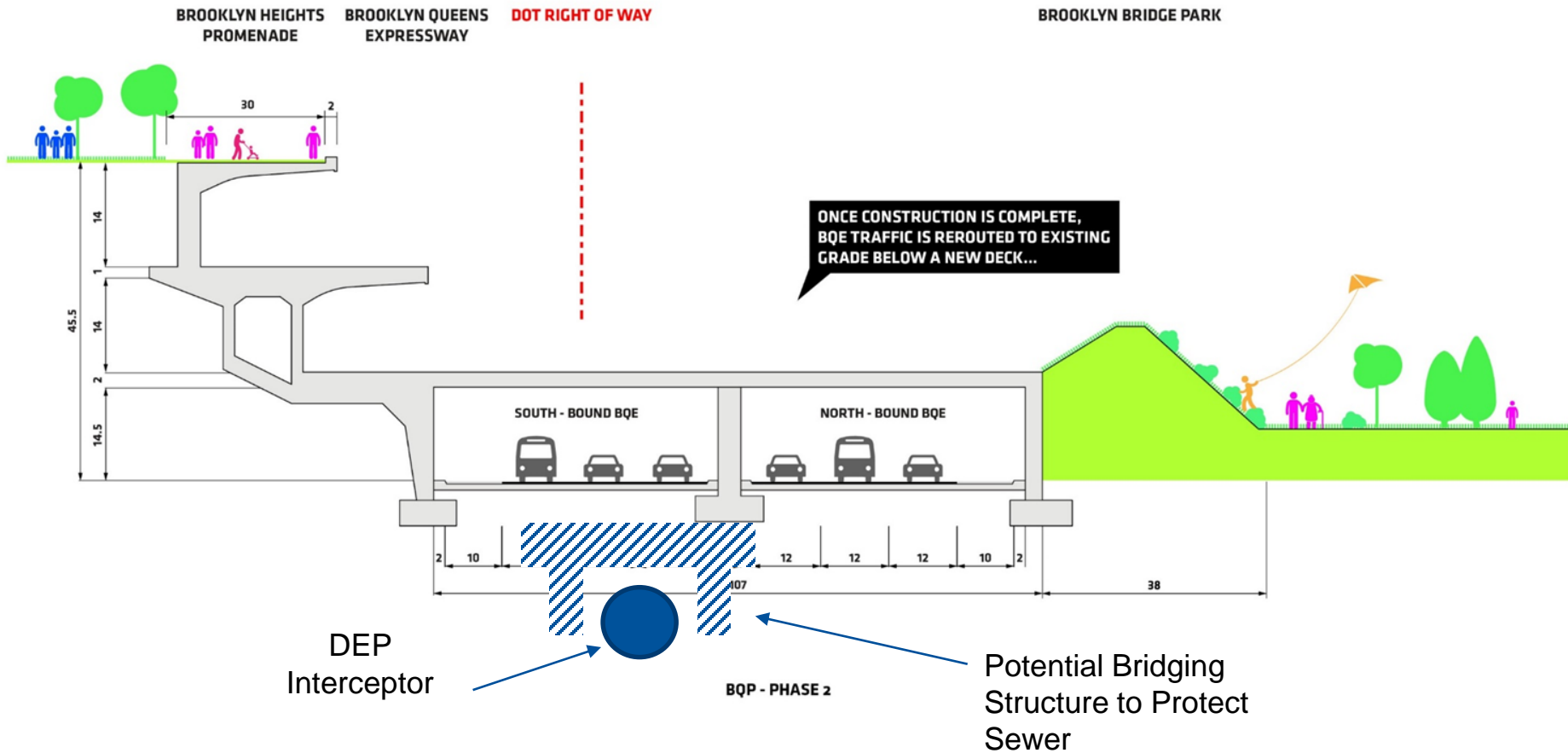
Proposed Impacts to DEP Infrastructure: Relocate 2,000 linear feet (lf) of interceptor where feasible; protect remaining 1,500 lf. No other impacts.



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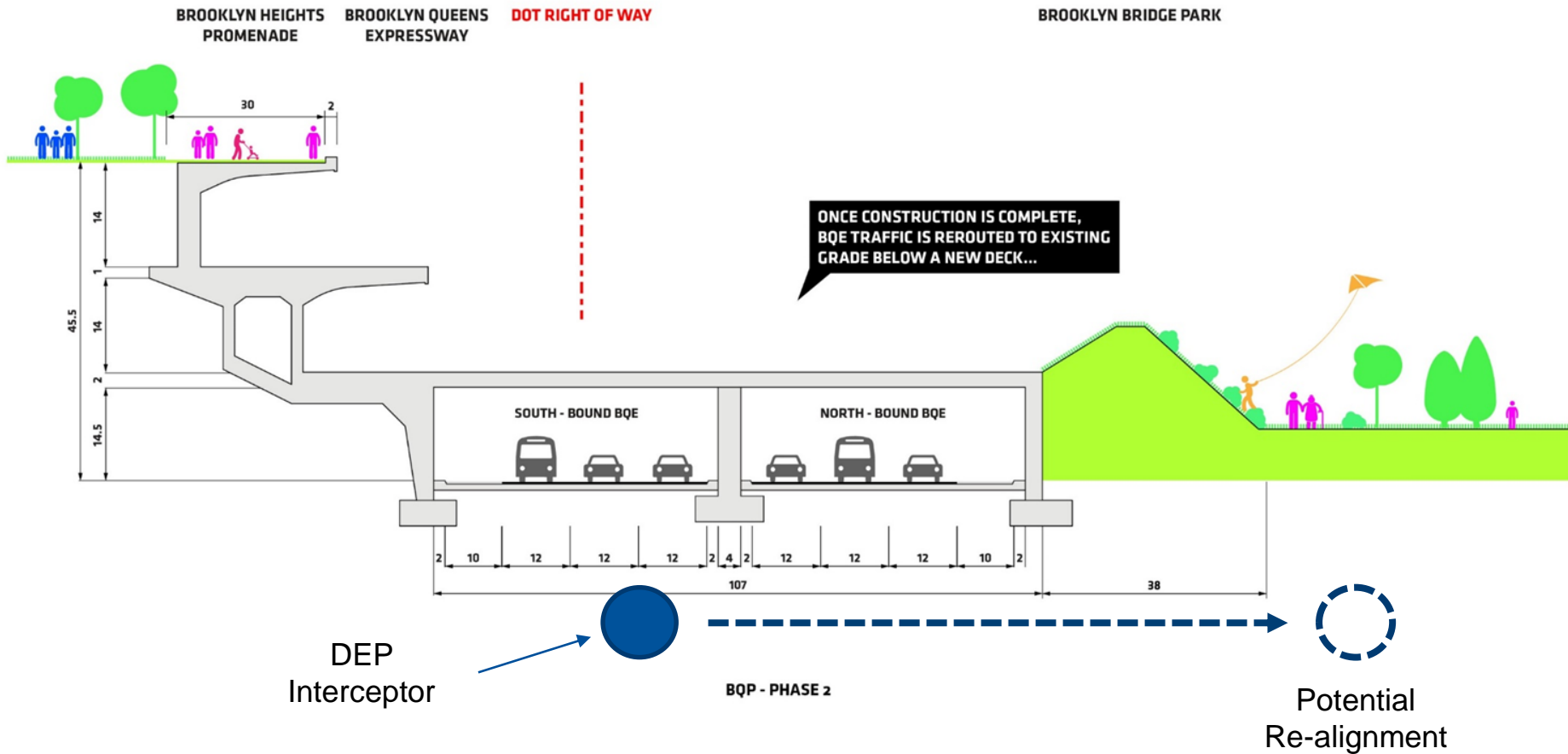
BIG Proposal – DEP Infrastructure Option A

Proposed Impacts to DEP Infrastructure: Relocate 2,000 linear feet (lf) of interceptor where feasible; protect remaining 1,500 lf. Relocate one regulator.



BIG Proposal – DEP Infrastructure Option B

Proposed Impacts to DEP Infrastructure: Relocate 3,500 linear feet (lf) of interceptor. Relocate one regulator.



Summary

	Interceptor (98"; ca. 1983)	Regulator (1983)	Water Mains (1904)	Local Sewers (1940s)	Costs	DEP Maintenance Impacts to Traffic/Park	Risks
DOT Proposed Temporary Roadway	Relocate 2,000 lf Protect 1,500 lf	No action	Relocate within Furman Street	Relocate within Furman Street	\$35-60M + costs to protect interceptor left in place	Interceptor cleaning will require lane closures on Furman Street	Interceptor repair or replacement will have extra costs for DEP and significant impacts to traffic on Furman Street Limited space for all utilities in Furman Street
BIG Proposal	A) Relocate 2,000 lf; Protect 1,500 lf	Relocate to park	Relocate adjacent to tunnel or to the park	Relocate to park	\$35-60M + costs to protect interceptor left in place	Cleaning of protected portion will require 2 lane closure on BQE	Repairs to protected portion will require 2 lane closure for weeks to months on BQE Sewer elevations may not allow for relocation of local sewers without pumping stations.
	B) Relocate 3,500 lf	Relocate to park	Relocate adjacent to tunnel or to the park	Relocate to park	\$80-120M	Cleaning and inspections can be done off hours/seasons to minimize park impacts	Elevations have not been evaluated to determine feasibility of relocating the interceptor.

Maintenance Needs/Access:

- Interceptor: Cleaned every 2-5 years with Vector Truck. Requires access to manholes every 300 feet and at least 20 feet vertical clearance.
- Regulator: Monthly physical inspections; cleaning/repairs 2-3 times per year.
- Water Mains/Sewers: Infrequent maintenance based on complaints; need 24/7 accessibility.

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