



Dorchester Ave Alignment –

DEIR Study, 2003

NORTH-SOUTH RAIL LINK FEASIBILITY REASSESSMENT -PREVIOUS RECOMMENDED ALIGNMENT







North End



South Station District

NORTH-SOUTH RAIL LINK FEASIBILITY REASSESSMENT -DOWNTOWN GROWTH 2003-2017

	ID	Proposed development	Location	Additional Details
	A	North Point Parcel W Development	Northern Expy	
O.2% Annual Chance Flood Hazard 1% Annual Chance Flood Hazard	В	Parcel 1 (MTA) Bulfinch Triangle	Bulfinch Triangle	(Simpson Housing)
	С	CAT Parcel 6 - YMCA	Market St & New Chardon St & N Washington St	Projected 2030
CHARLES RIVER Number Address Type Impact Height (FT)	D	198 Hanover Street		Projected 2035 (mixed use)
1 Beverly St area, Parcel 1B (MTA) Bullfinch Triangle (The Merano) New Build TBD ~120	E	Greenway Planning - Cross Street Crescent		
2 110 Beverly St, Boston New Build TBD ~100 3 101 Canal St, Boston New Build TBD 119 11 100 Lovejoy Wharf New TBD ~160	F	Greenway Planning - Parcel 11B	1252 Cross St	Projected 2035 (mixed use)
India India India India India Build Build Conflict with proposed station ancillany India India	G	Greenway Planning - Parcel 9		
North Station	Н	Haymarket Hotel - Parcel 9		
	I	Greenway Planning - Marketplace Center	200 State St.	Proposed 2035
	J	55 India Street		Proposed 2027
Cong Wharf Marriott	K	Greenway Planning - India Street Sites	22 Wharf St	Projected 2035 (mixed use)
Number Address Type Impact Height (FT) 5 400 Atlantic Ave Renovation None ~120	L	102-110 Broad St	(See completed, number 9)	
6 169-175 Purchase St Renovation None 177 7 Independence Wharf, 470 Renovation None 184	Μ	Greenway Planning	400 Atlantic	Proposed 2035
Atlantic AveInterContinental Boston, 510 Atlantic AveNew BuildTBD2539110-112 Broad StreetNew BuildTBD12010Atlantic Wharf, 280 Congress StNew BuildTBD456	N	Greenway Planning - Hook Site	436-440 Atlantic Ave	Proposed 2035 (mixed use)
	0	Greenway Planning - Richardson Block	234-236 Congress St	
International Place	Ρ	South Station Expansion Project		Planning for 2020 (mixed use, rehabilitation)
CENTRAL ARTERY ALIGNMENT	Q	South Station tower		667' tall, planning to start construction by late 2017, addl foundation work reqd
6 8 DORCHESTER AVENUE ALCONMENT STATION ENTRANCE CHANGED 2000-2017 BOAT SECTION BOAT SECTION C&C AND C.I.P. MINED SWITCH AREA MINED SWITCH AREA BORED TUNNEL. MINED STATION AREA	R	USPS Annex	25 Dorchester Ave	

Financial District





(arup)

Tunnel Boring Machines used for East Side Access in NYC, Crossrail London, Seattle Northgate Link and most new transit and roadway underground projects.

NORTH-SOUTH RAIL LINK FEASIBILITY REASSESSMENT -PEER PROJECTS



Peer Project Studies Underway





Union Station, Los Angeles

CrossRail, London

- \$19.72B
- 26 miles of tunnel/73 miles of track
- Completion: 2019

SR99, Seattle

MetroLinx, Toronto

Massachusetts Department of Transportation



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NORTH-SOUTH RAIL LINK FEASIBILITY REASSESSMENT -COMMUTER RAIL SERVICE PLANS

- A 'no-build' plan, outlining projected changes to commuter rail, and assuming no expansions of North and South Stations.
- A 'surface only' plan, assuming currently planned projects at both North and South Stations (and including an increase to hourly service during the off peak on all lines).
- An 'aspirational surface only' plan, assuming as much service as can be supported by the infrastructure.
- A 'minimum tunnel service' plan for each of the two tunnel alternatives, assuming no expansions of North and South Stations, maintaining the projected level of service (and not increasing fleet size) with an increase to hourly service during the off peak on all lines, and the use of dual-mode locomotives (Two alternatives, 2 and 4 track tunnel).
- A 'maximum tunnel service' plan for each of the two tunnel alternatives, assuming doubling of peak service levels from 'minimum tunnel service', hourly off peak services on all lines, no expansions of North and South Stations, and the use of dual-mode locomotives. (Two alternatives, 2 and 4 track tunnel).
- An 'aspirational tunnel service' plan for each of the two tunnel alternatives, assuming as much service as can be supported by the infrastructure. (Two alternatives, 2 and 4 track tunnel).





MBTA commuter rail passenger flows



MBTA commuter rail average weekday ridership

NORTH-SOUTH RAIL LINK FEASIBILITY REASSESSMENT -**RIDERSHIP TRENDS AND POPULATION/EMPLOYMENT GROWTH**



Employment change in the study area 2000-2016 - absolute change



Population change in the study area 2000-2016 - absolute change

- Commuter rail ridership has declined since 2009
- Since 2003, the region has added 582,000 residents and 472,000 jobs
- Regional growth is slow and steady