

Central Delaware Waterfront
Planning Process

Best Practices Session

Philadelphia, Feb. 3 2007



Infrastructure, Waterfronts, and the City

Examples of Large-Scale Infrastructure Changes That Reconnect Previously
Disconnected Portions of Cities in the US and Around the World

Antonio Di Mambro, *FAIA*

Cities are unfinished projects. They acquire relevance, beauty, complexity and richness through endless processes of transformations.



Sydney, Australia



Cities are rediscovering the magic of the water's edge.

Transformative infrastructure investments serve as catalysts for reshaping the image of the city.

- Correct past mistakes
- Reconnect and reknit the urban fabric
- Define city and regional form
- Require long-range planning – 15 to 30 years
- Engage leadership and grassroots participation
- Require creative project financing (federal + state)



Shanghai, China



Toronto, Canada



Barcelona, Spain

Venice, Italy - Context

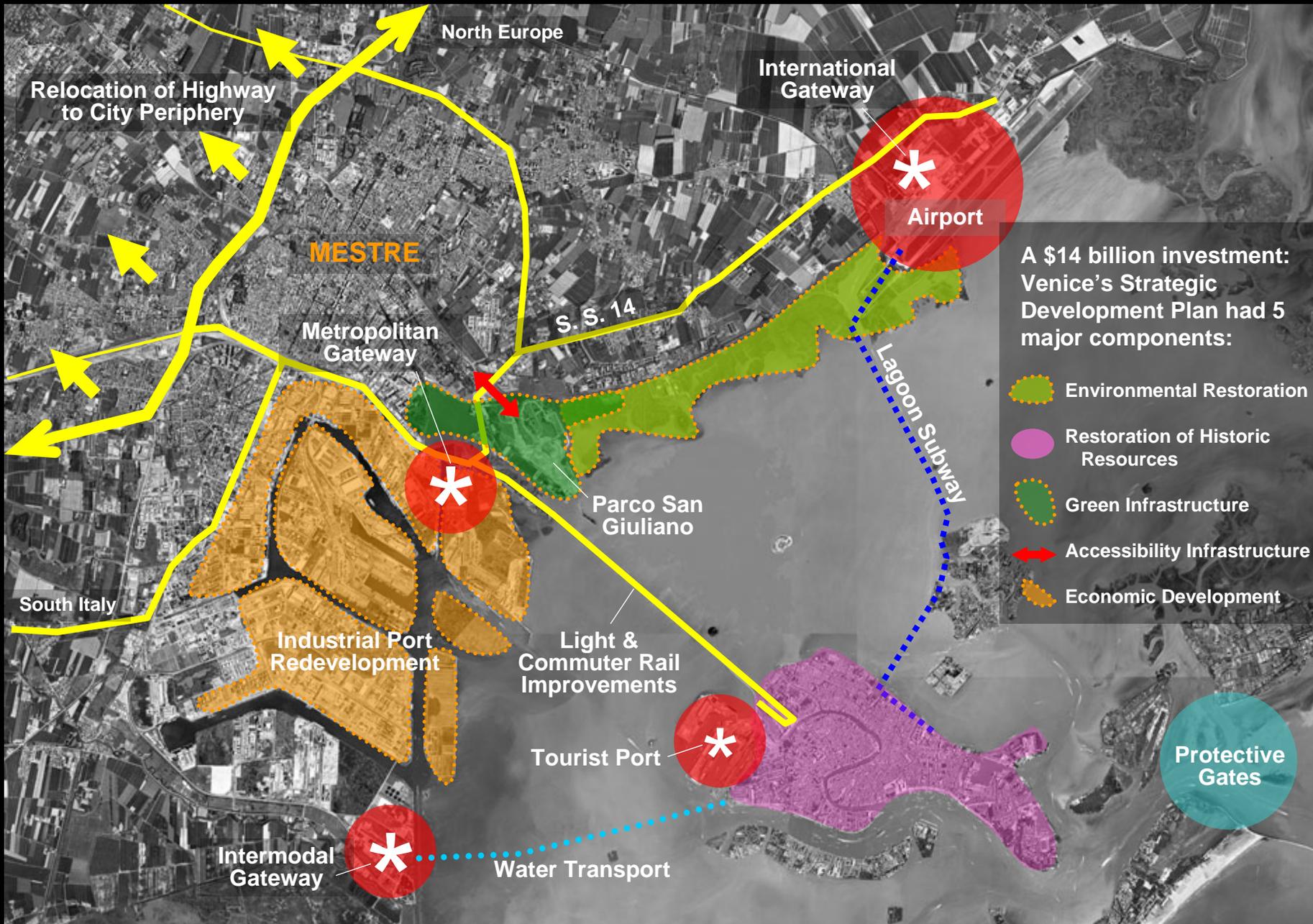
Veneto Region
Population: 4.5 million
GDP: 96 billion €
Companies: 460,000



Mestre Population: 210,000

Venice - Historic Center
Population: 65,000

18 million visitors/year

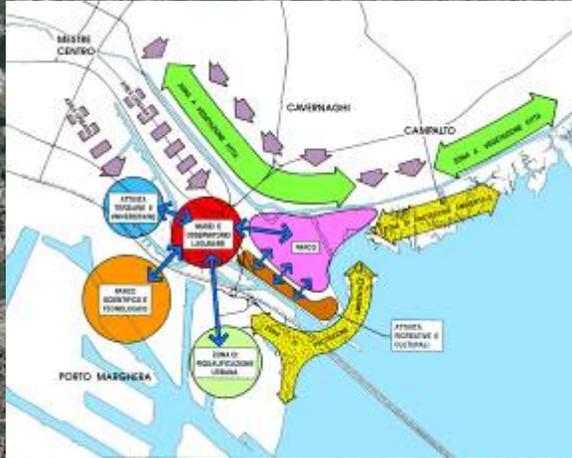


A \$14 billion investment: Venice's Strategic Development Plan had 5 major components:

-  Environmental Restoration
-  Restoration of Historic Resources
-  Green Infrastructure
-  Accessibility Infrastructure
-  Economic Development

Parco San Giuliano: an act of reconciliation - \$1.4 billion investment

(1st Phase: \$450 million)

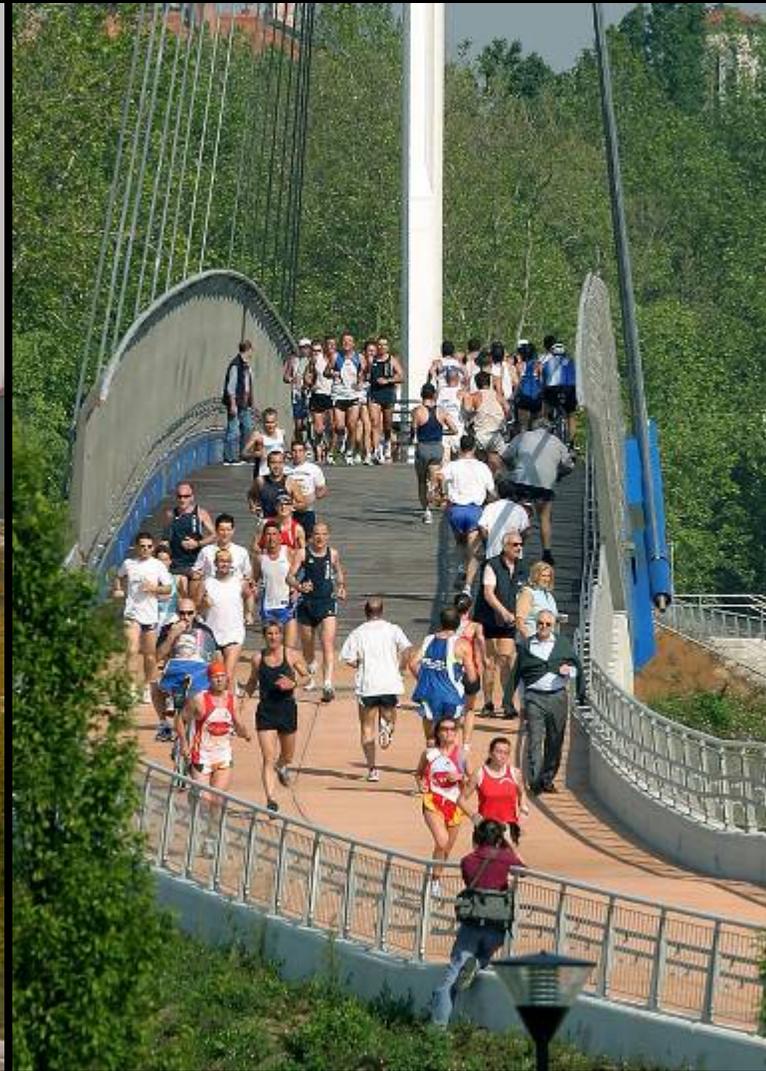


Parco San Giuliano 2003 – A catalyst for development



Pedestrian Bridge

- 140 meters long





Related Revitalization: industrial port redevelopment



Boston Central Business District – before and after the Central Artery Project

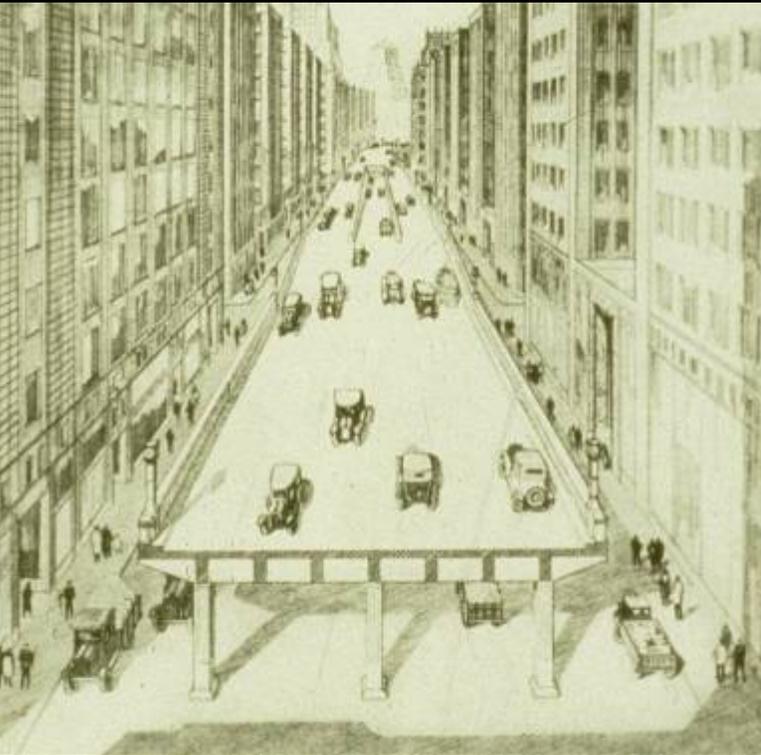


1930



1985

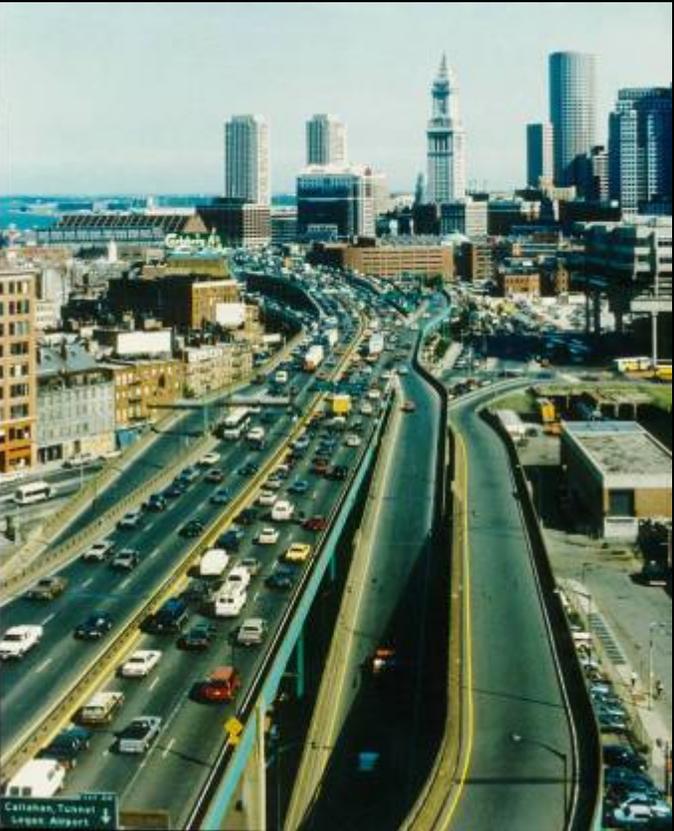
Construction of the Central Artery



Central Artery: the aftermath



Central Artery

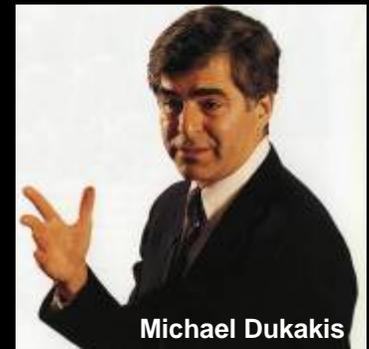
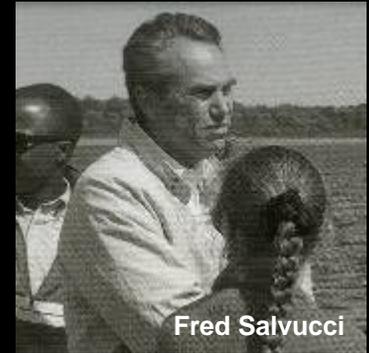


Massachusetts Turnpike Extension



Boston Transportation Planning Review, 1970

- **Anti-Highway Revolt**
- **Radical shift in policy:** flexibility in the use of federal transportation funds for highway or transit purposes
- **A new vision** for the city: a core-oriented strategy for infrastructure investments, economic growth, and environmentally sensitive redevelopment
- **Integrated multimodal approach**



A \$26 billion transformative infrastructure package:

- Reconstruction and expansion of transit system
- Central Artery / Third Harbor Tunnel
- Harbor cleanup project
- Airport modernization and expansion
- Consolidation of port facilities

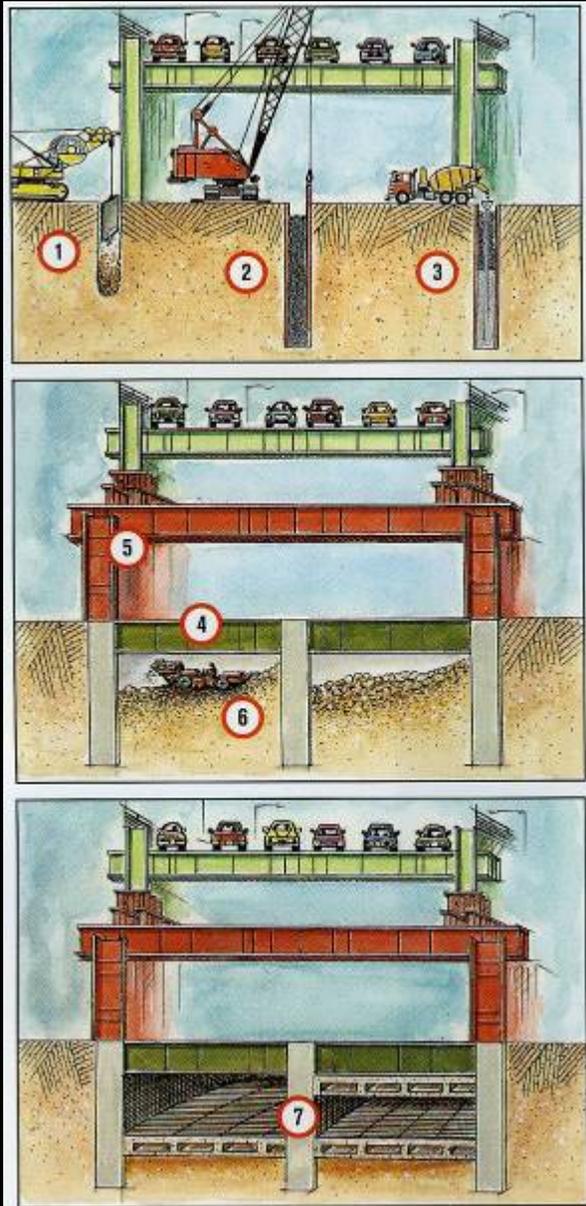


The Big Dig: Central Artery / Tunnel Project

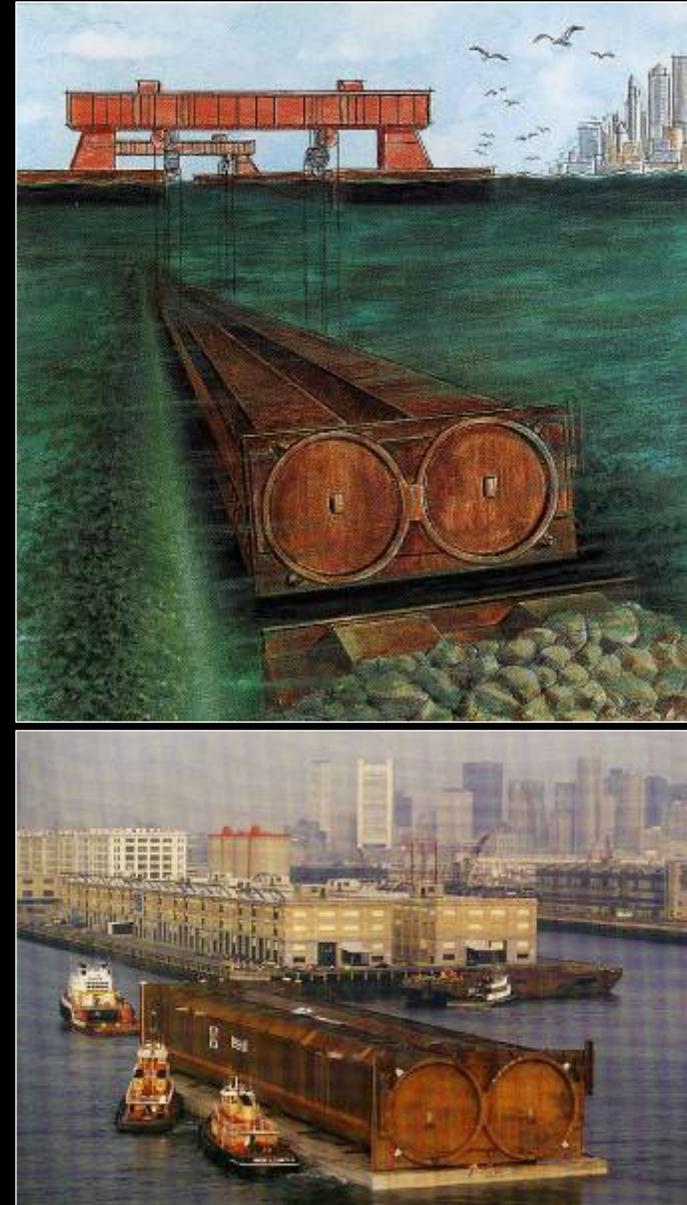


Image source: "The Big Dig" – Dan McNichol

Depressing the Central Artery



Third Harbor Tunnel



Central Artery and South Boston Connector Tunnel

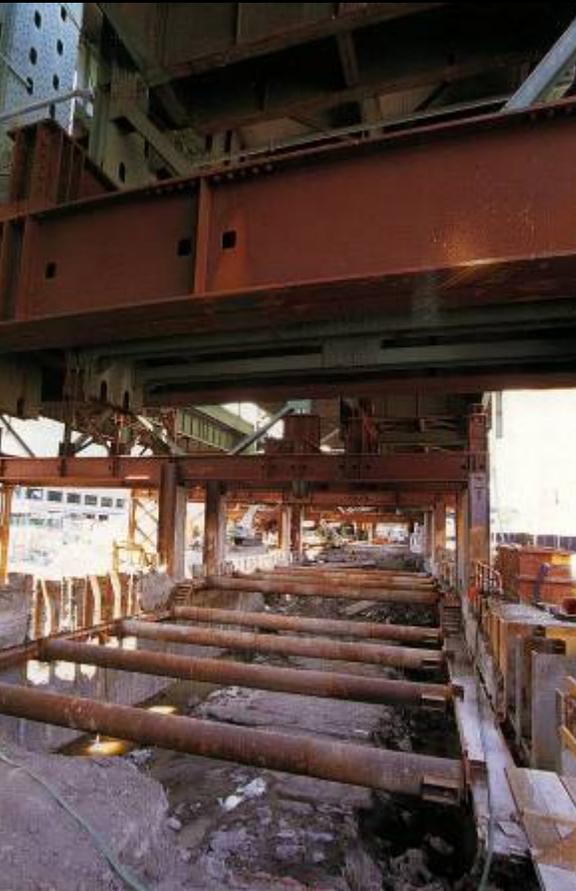
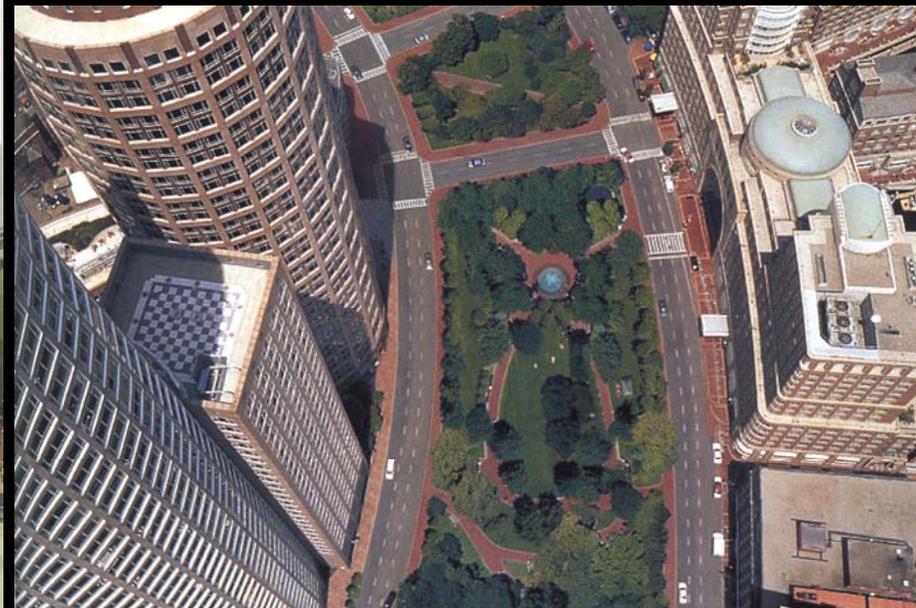


Image source: "The Big Dig: Reshaping an American City" – Peter Vanderwarker

Vision for the Depressed Artery

Inset: A picture of the Grain Exchange Building with the elevated Central Artery before the Big Dig. A watercolor painting of the same scene after the Big Dig. The tree-lined boulevard is Atlantic Avenue and below it is the 10-lane superhighway.



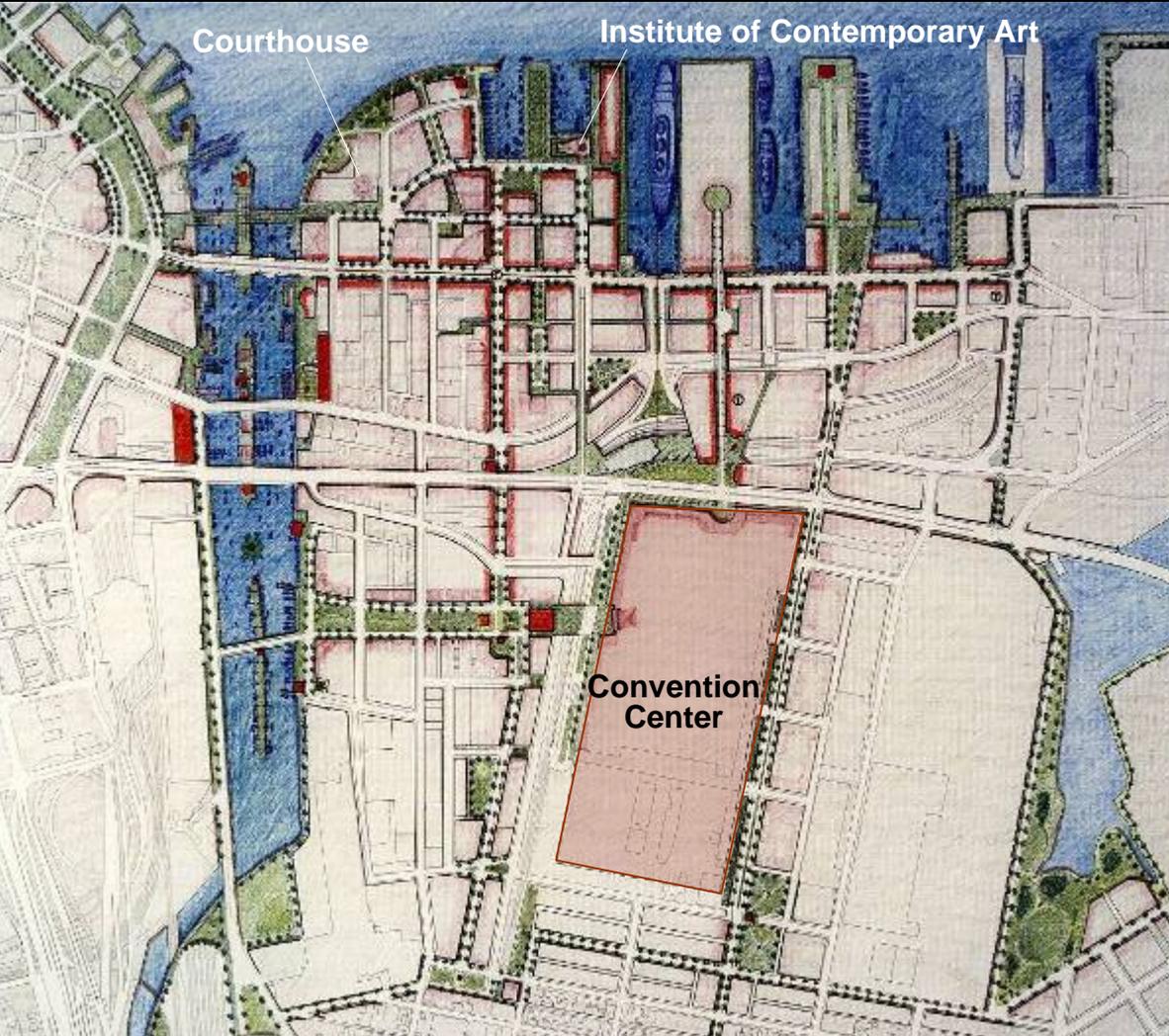
CA/T – North End Today



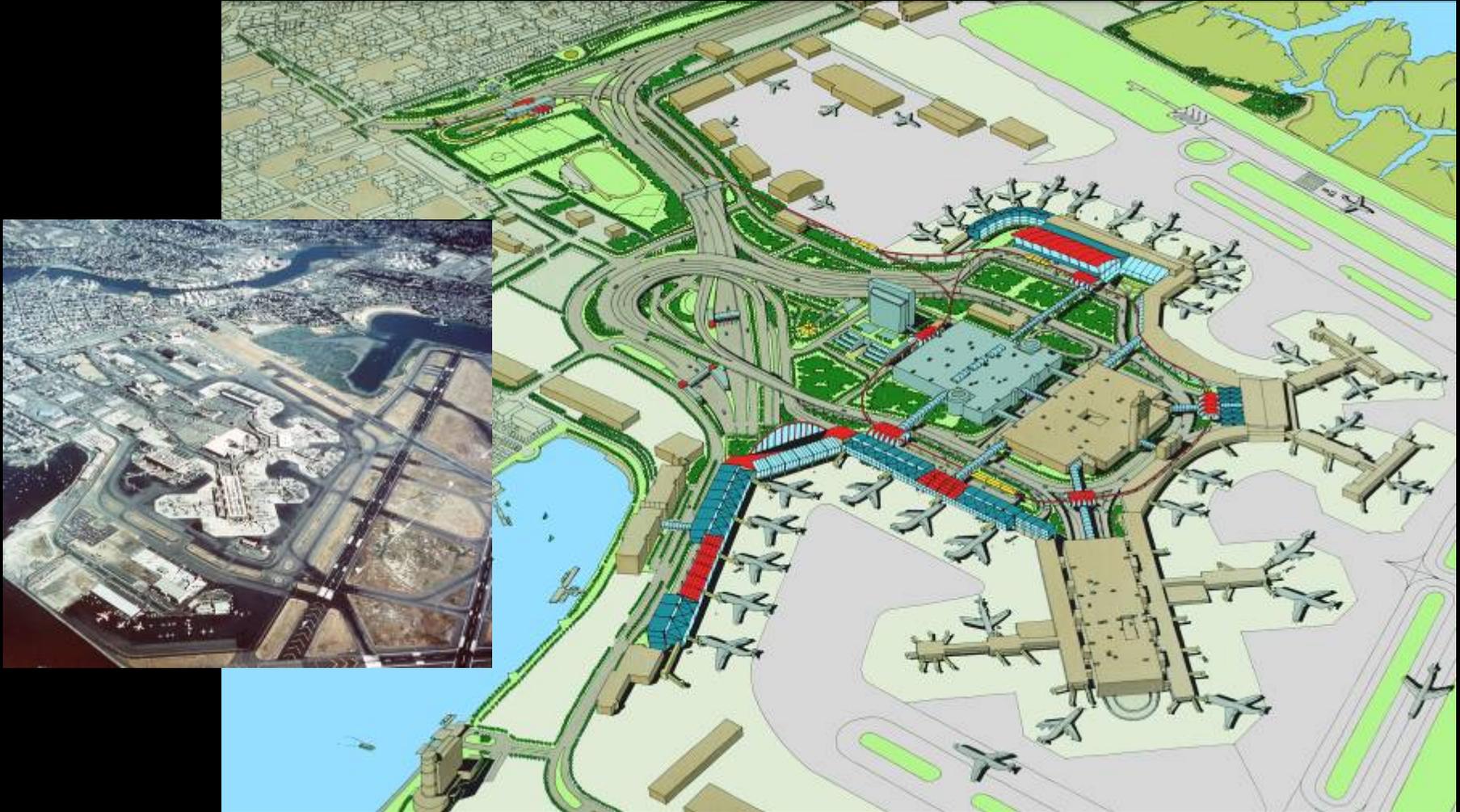
CA/T – Waterfront



CA/T Seaport Development - 1,000 acres



Logan International Airport - \$1.3 billion redevelopment project (completed)



Cities shouldn't stop planning. Boston is not resting on its laurels.

Next Step: Urban Ring - \$1.5 billion infrastructure investment project

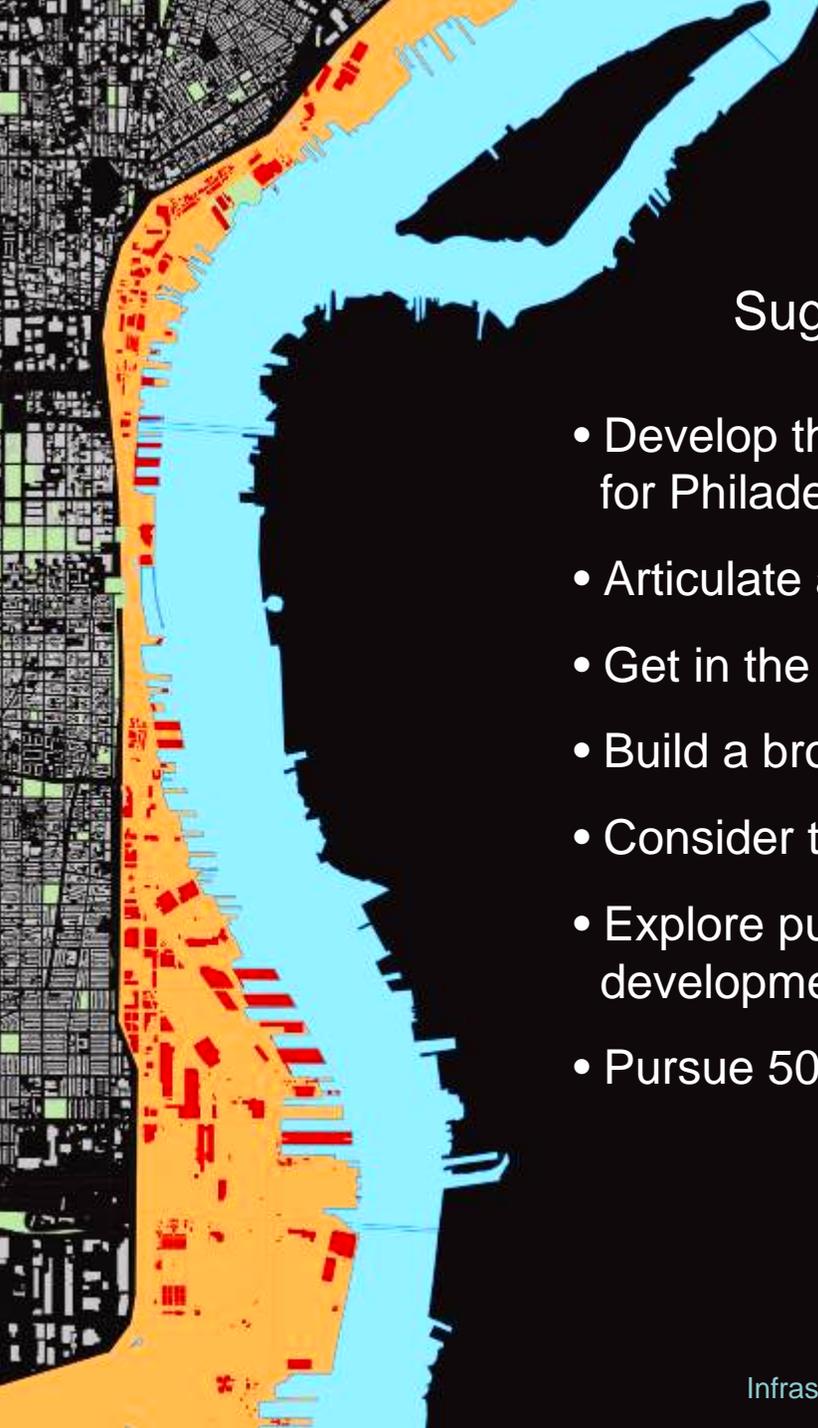


Next Steps: Air Rights over Massachusetts Turnpike



Next Steps: Re-imagining Chelsea Creek





Suggestions for Philadelphia and I-95

- Develop the waterfront plan as part of a larger vision for Philadelphia 2040
- Articulate a multimodal transportation/infrastructure plan
- Get in the pipeline for reauthorization of SAFETEA 2010
- Build a broader national coalition to expand the pie
- Consider tolls as a pilot program
- Explore public-private partnership for infrastructure development
- Pursue 50-year financing cycles