

18, 2020. While the Report is the culmination of nearly twelve months of study and analysis of two (2) distinct areas of the Flamingo Park and Collins Waterfront local historic districts, it was anticipated that these adaptation guidelines will be able to be applied, with some modifications, to other historic districts in the City. The consultant team, consisting of multidisciplinary professionals, studied the areas utilizing a typological approach to existing buildings, landscapes and streetscapes. In addition to developing and illustrating practical strategies that property owners can take immediately to reduce flooding risks, this comprehensive study also provides a framework for future adaptation including potential zoning incentives for long term resilience.

Of note is the concept of raised tree planters for new trees located in this planting buffer/parking zone to allow for roadways or sidewalks to be repeatedly raised in the future without disturbing mature canopy trees along the avenues and streets.

3) Select a location with defined boundaries, such as Park View Island

By selecting a targeted area, a focused multi-disciplinary effort can be taken within defined boundaries. Park View Island is very walkable, has little tree canopy, and has limited vehicle circulation and pass through traffic in comparison to other areas of North Beach. Alternative transportation patterns can be evaluated that could allow for more space for tree plantings and canopy. The area has experienced water quality concerns surrounding the island and can benefit from additional green space to retain and filter stormwater runoff.

4) Procure a multi-disciplinary firm

A broader vision for trees in North Beach would encompass landscape architecture, roadways changes, parking, multi-mobility needs such as sidewalks, bike safety, above and below ground infrastructure, and ADA accessibility. Procuring a multi-disciplinary firm is needed to inform the selection of geographic location(s), establish the vision of streets design acceptable to the community, plan and estimate the costs, and synthesize in the form of a recommendations report.

5) North Beach Town Center/ North Shore D Neighborhood Improvement Project

The North Beach Town Center North Shore D Neighborhood Improvement Project is one of three (3) holistic neighborhood climate resilience projects underway in Miami Beach. The project was awarded \$10 million from the Resilient Florida grant program and is in the preliminary design phase with procurement expected this year for full design. It includes replacements/rehab of water, sewer, and stormwater infrastructure, roadways with addition of new pump station with water quality treatment, creating greenspace, adding trees, mobility improvements for pedestrians and cars, and public outreach. The street trees will be planned and designed utilizing species that will grow best in Miami Beach now and in the future as salt tolerant needs increase.

6) North Beach Town Center Central Core Zoning District

On Nov 14, 2018, the City adopted the North Beach Town Center- Central Core (TC-C) zoning district, a recommendation of the North Beach Master Plan. In areas of the TC-C, the street trees are required to be larger to have more immediate shade impact and utilize structured soil systems for them to thrive in the longer term. The responsibility is with the private property developer to fund and implement these community benefits. Many projects have been approved by the Design Review Board, and in addition the buildings are required to have shade structure on the perimeter, further contributing to a more shaded environment for pedestrians. As these projects are built over time, the benefits will be realized. The street tree requirements are included in Chapter 5 of the Resilience Code.

7) Explore additional private property landscape requirements for smaller multi-family new developments the North Beach Conservation Overlay District and other areas of North Beach

As new development occurs over time, improved street tree requirements can have a positive impact on shade for the public right of way. There is an opportunity, given smaller multi-family developments anticipated, to incorporate a higher level of standards to meet the need for more canopy.

CONCLUSION:

The Administration is pleased to provide many options to support a broad vision for expanding the tree canopy in North Beach for the Committee's discussion and consideration.

Applicable Area

North Beach

Is this a "Residents Right to Know" item, pursuant to City Code Section 2-14?

Yes

Does this item utilize G.O. Bond Funds?

No

Strategic Connection

Environment & Infrastructure - Reduce greenhouse gas emissions and heat.

ATTACHMENTS:

Description	Type
 Referral Memo	Memo