

Item G-9
Red Road Landscape
Improvements

CITY COMMISSION MEETING

TUESDAY, JULY 14TH, 2020

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Project Overview

Project:

This project is part of the City's ongoing tree planting program that is being implemented by the Landscape Services Division of the Public Works Department.

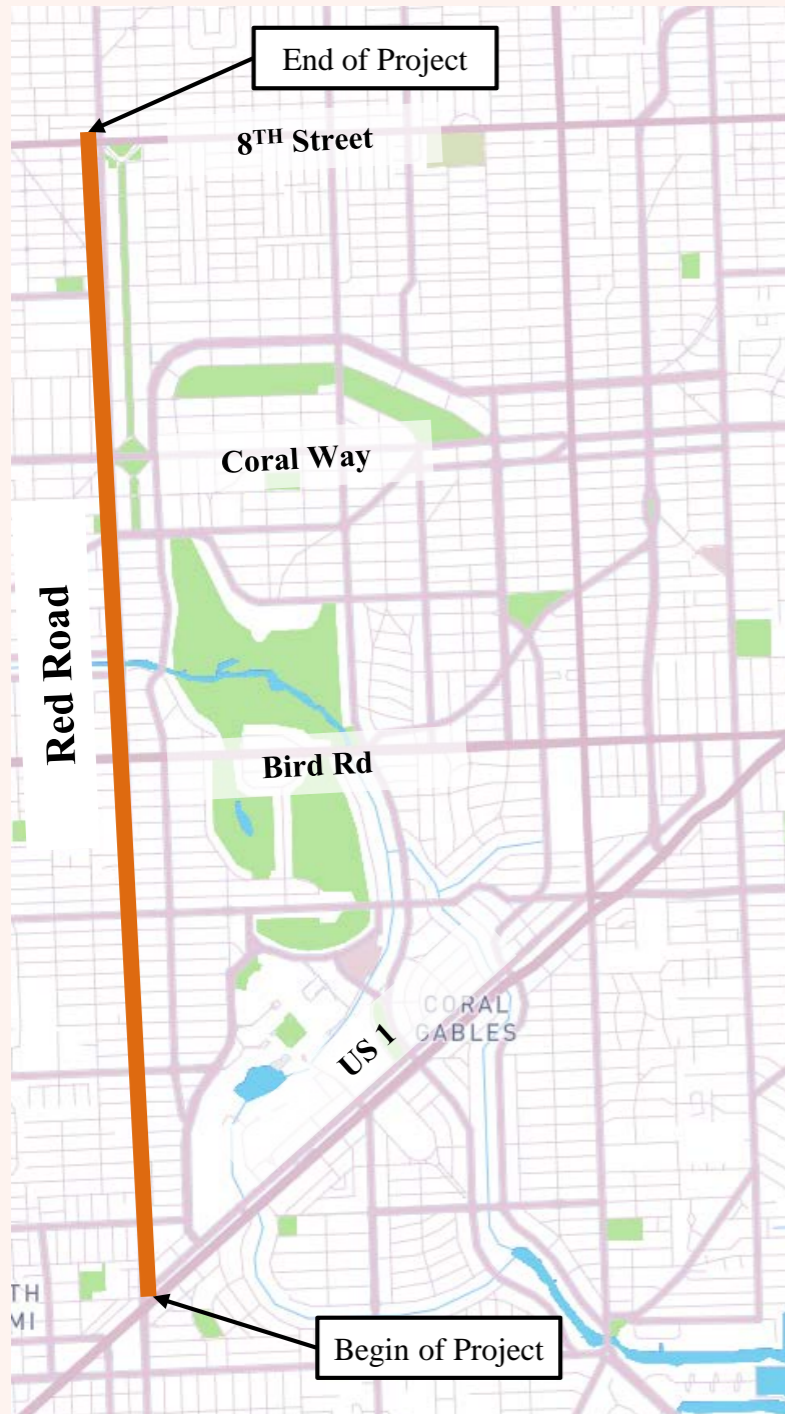
The City's Public Works Department has planted over 4,000 trees in the last six years.

Public Meeting:

Red Road is a State Road (SR-959), and is designated a State Historic Highway.

Tree plantings along Red Road require a Florida Department of Transportation (FDOT) landscape permit and must comply with FDOT design criteria.

The City received FDOT comments for the FDOT landscape permit (2019-L-690-00008) requiring a public meeting be held in accordance with State laws (Chapter 89-383 and Chapter 2007-196, Laws of Florida) regarding State Historic Highways.



Project Overview

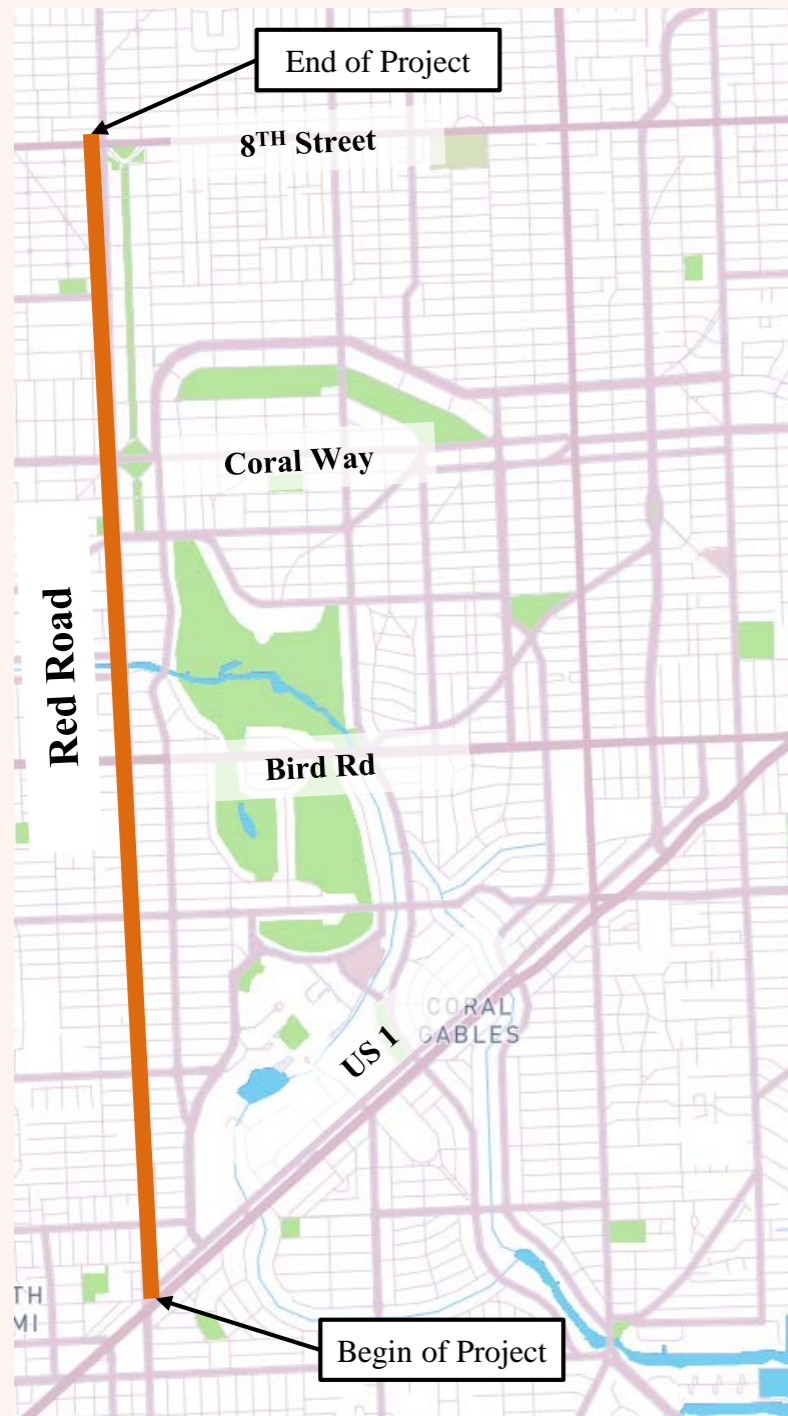
Why Palms and Not Larger Trees?

The FDOT design criteria does not allow for new trees to be planted in the grass swale areas along Red Road.

The City submitted and received approval for a design variation for lateral offset, clear sight triangles and stopping sight distances in order to allow for the Solitaire Palms to be planted.

Solitaire Palms meet the FDOT frangible or breakaway requirements for a maximum 4-inch trunk diameter as well as the 8.5-foot height clearance to the bottom of the palm canopy for visibility.

These proposed plantings are subject to FDOT approval of the submitted landscape permit, and the final Solitaire Palm locations and quantities may vary somewhat from the proposed plans.



Proposed Scope of Work

Red Road (East side)

from SW 8th Street to US1

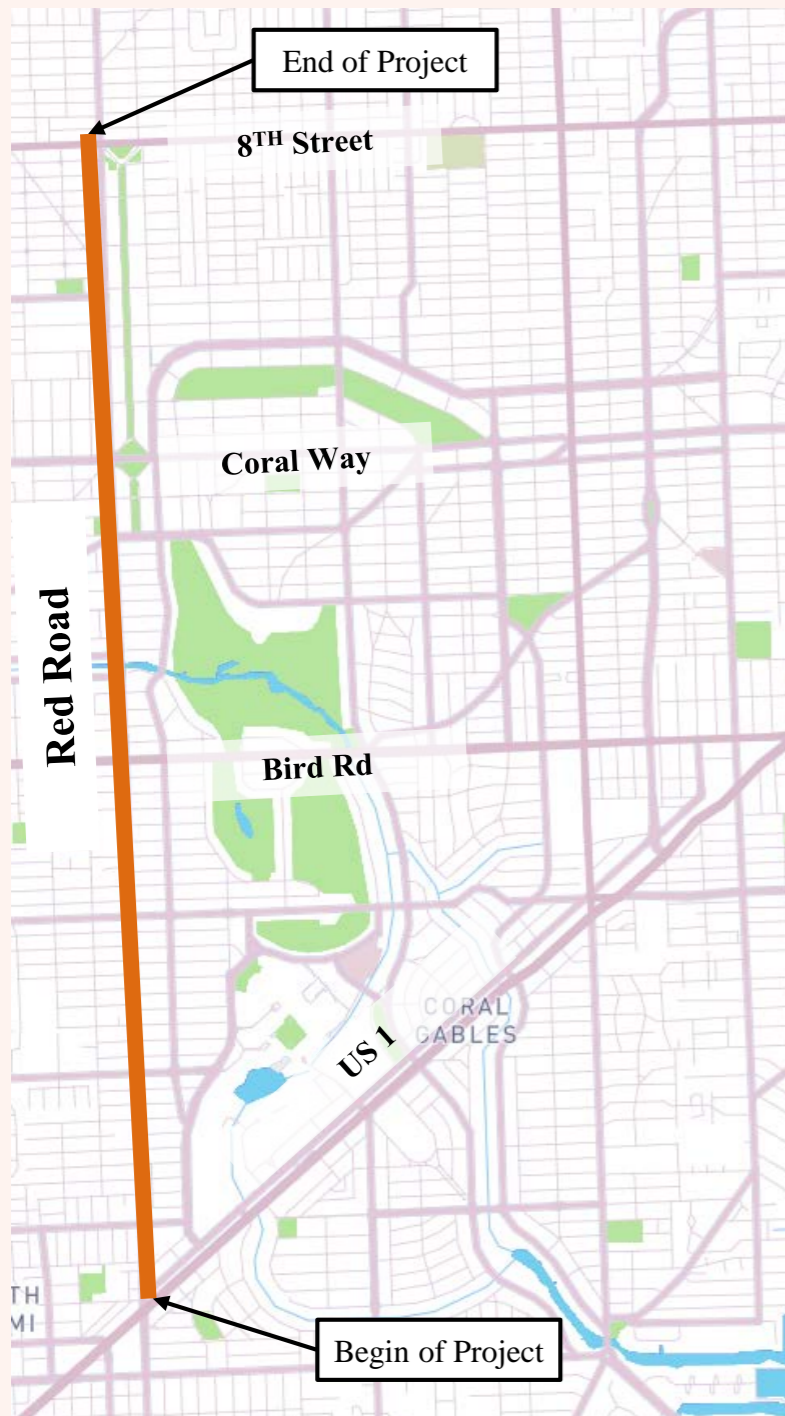
- About 3.5 miles of Red Road

227 Solitaire Palms

Ptychosperma elegans

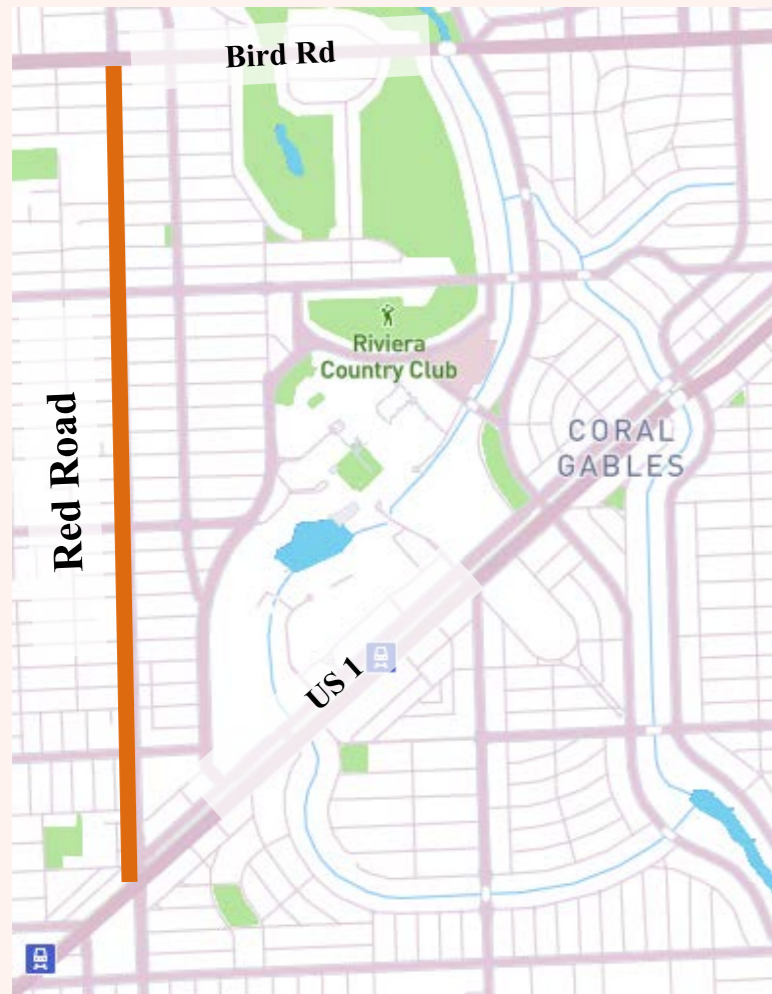
3 Planting Beds of Green Island Ficus Shrubs

Ficus microcarpa 'Green Island'



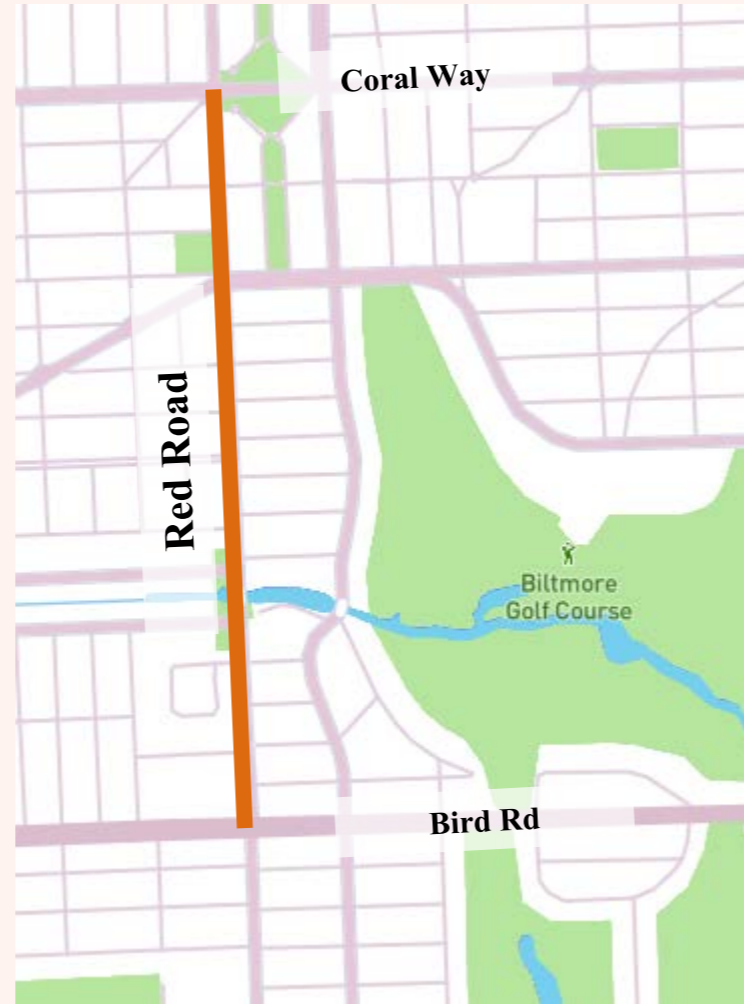
Proposed Scope of Work

US 1 to Bird Rd



107 Palms

Bird Rd to Coral Way



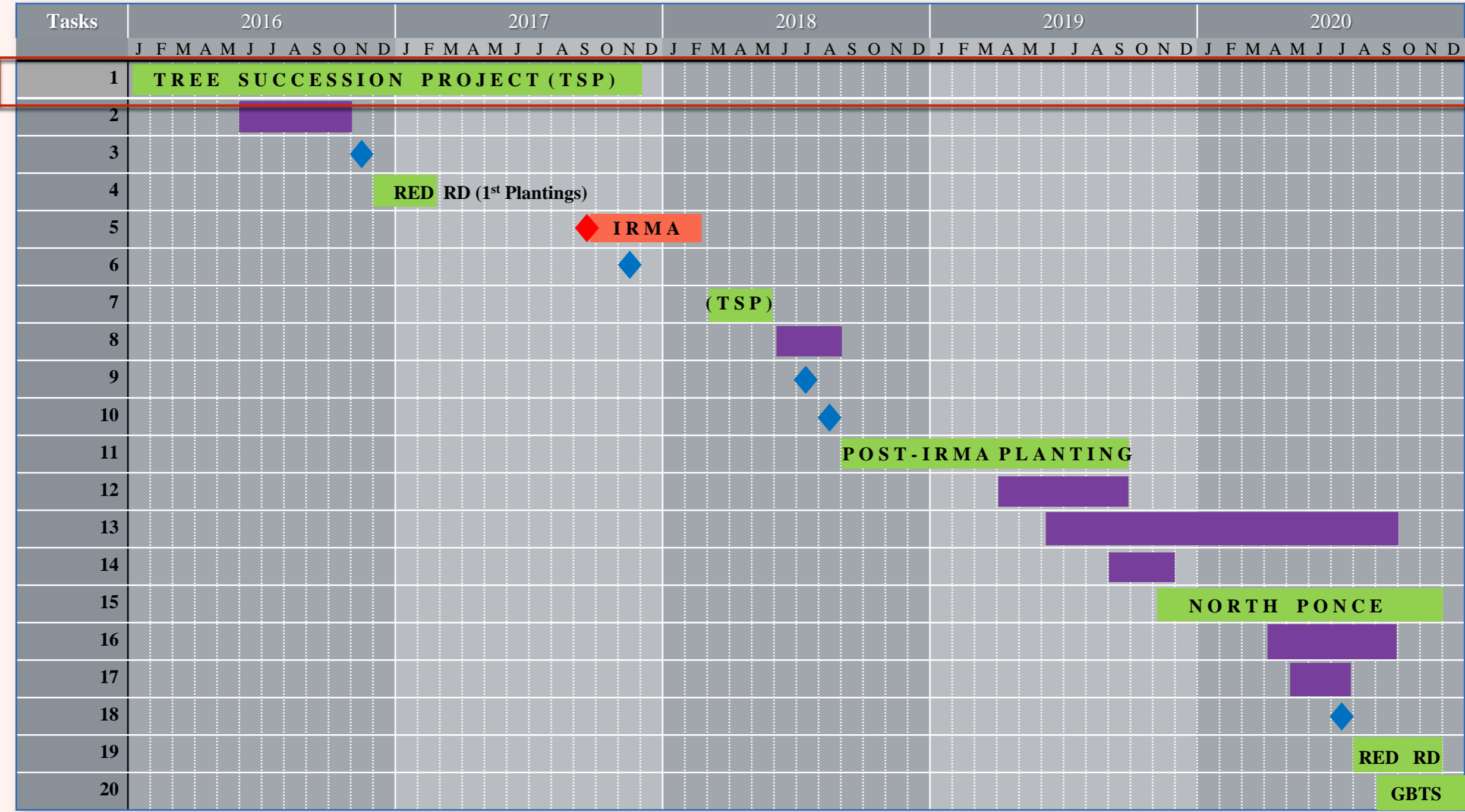
103 Palms

Coral Way to 8th Street



17 Palms

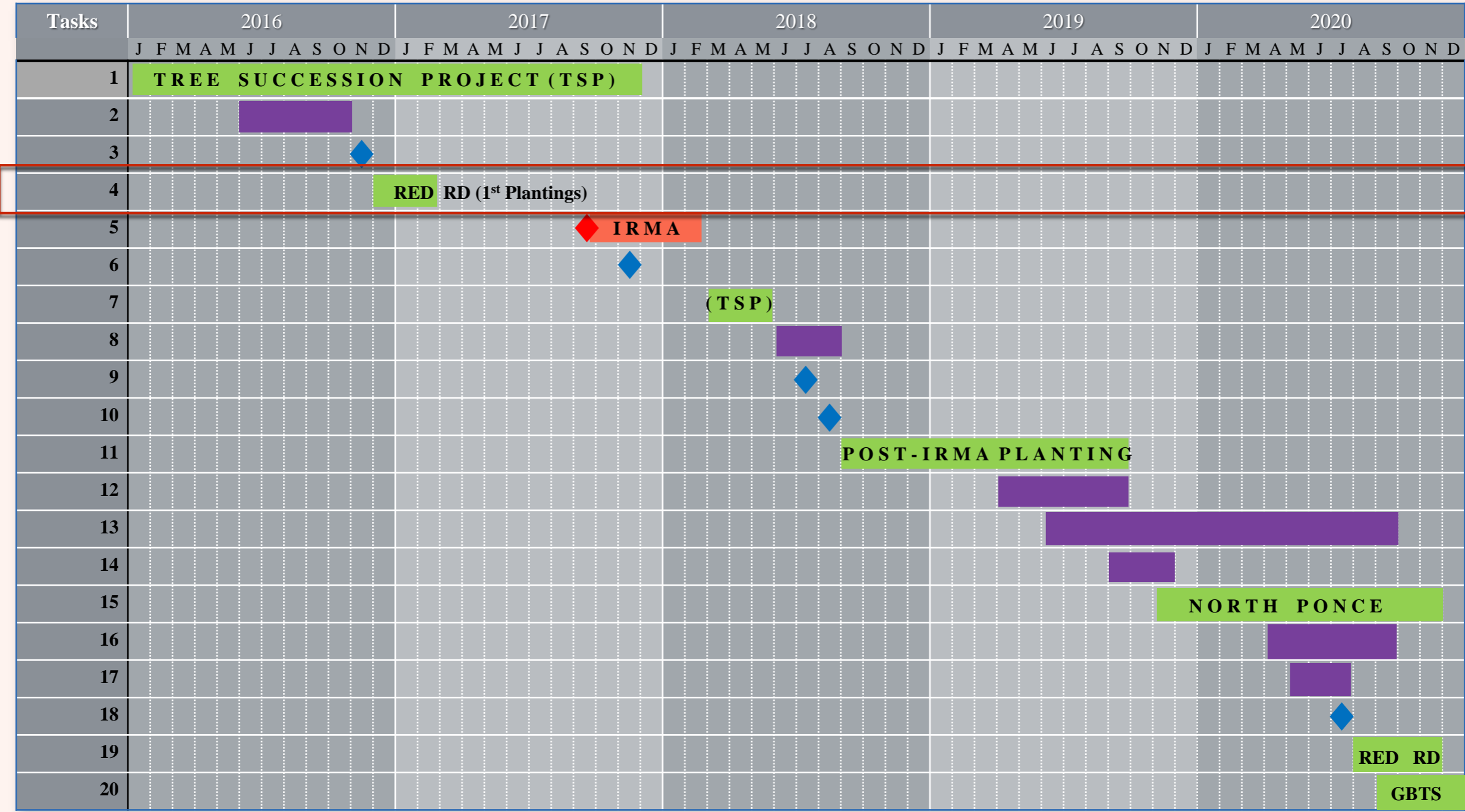
Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



1) 2015 - September 2017:

In spring of 2015 the City began the Tree Succession Project, and the ongoing planting of trees and palms citywide continued through September of 2017.

Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



4) Late 2016 to early 2017:

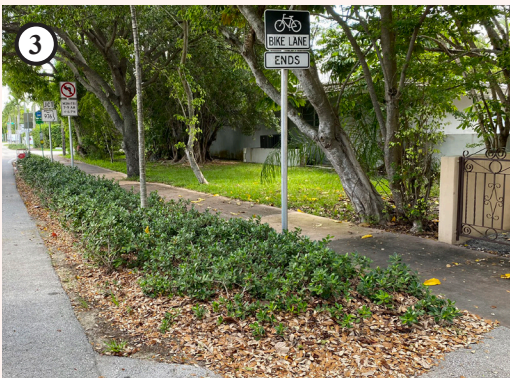
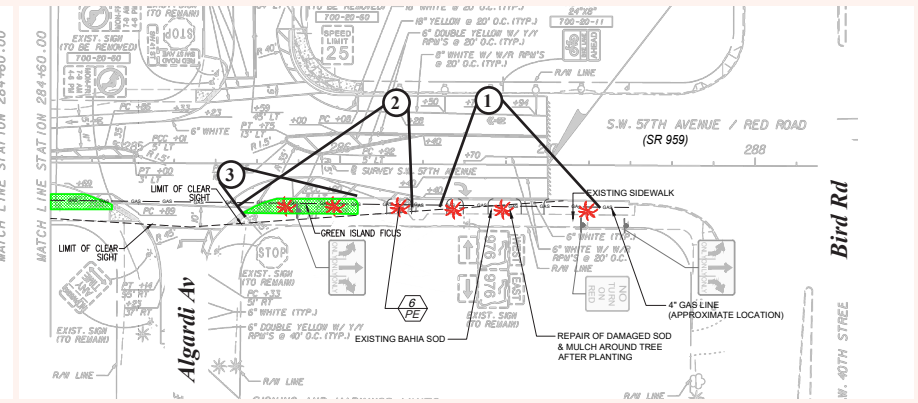
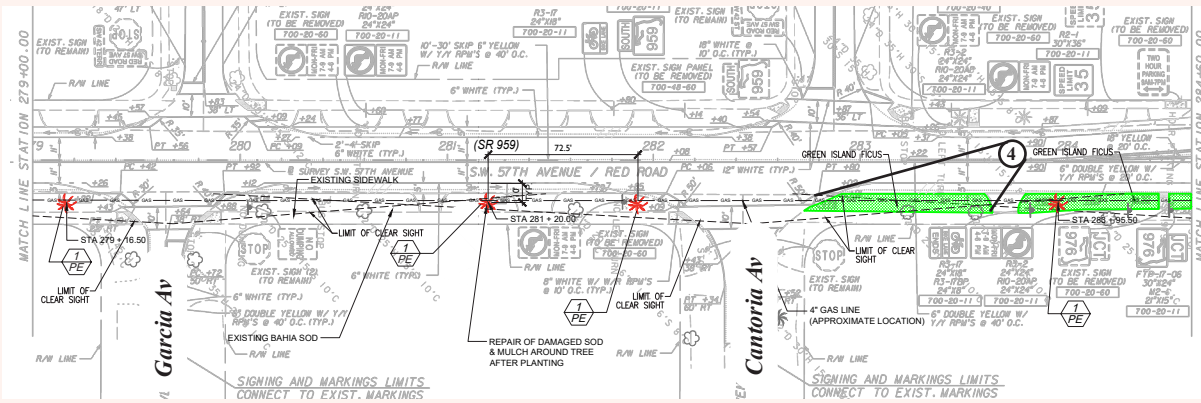
In late 2016 to early 2017, the first seven Solitaire Palms and Green Island Ficus shrubs were installed in the swale areas along Red Road between Cantoria Ave. and Bird Road. The remaining Solitaire Palms were programmed to be installed in the fall of 2017.

Red Road FDOT Landscape Permit Plans

Cantoria Ave to Bird Rd Planted in 2017

SHEET LD-19

SHEET LD-20





Red Road Looking North Towards Bird Road (Feb 2019 Google Street View)

Palms & Shrubs Planted in 2017

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Algardi Ave. Looking North on Red Road



Algardi Ave. Looking South on Red Road

Palms & Shrubs Planted in 2017

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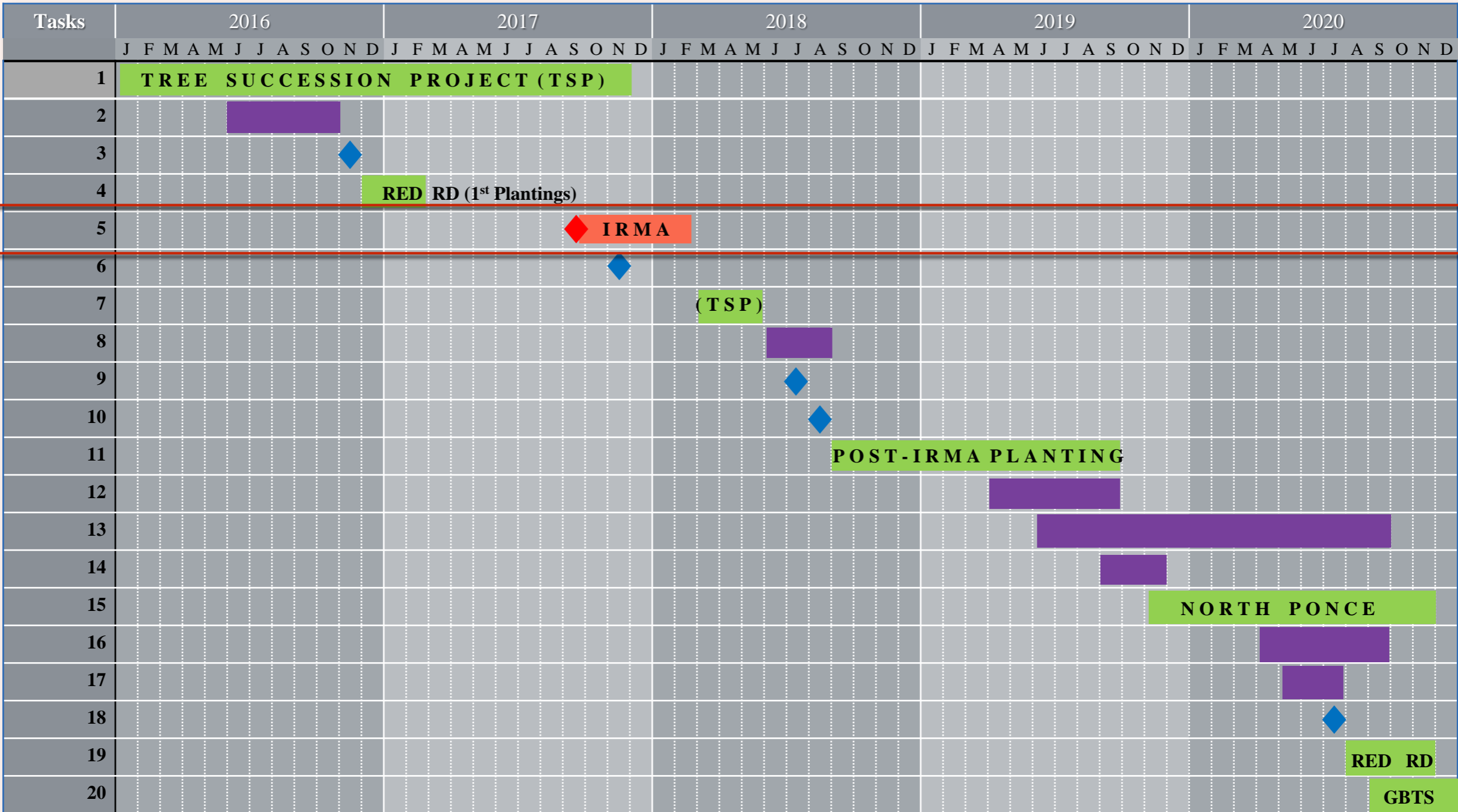


Red Road Looking South Towards Cantoria Ave.

Palms & Shrubs Planted in 2017

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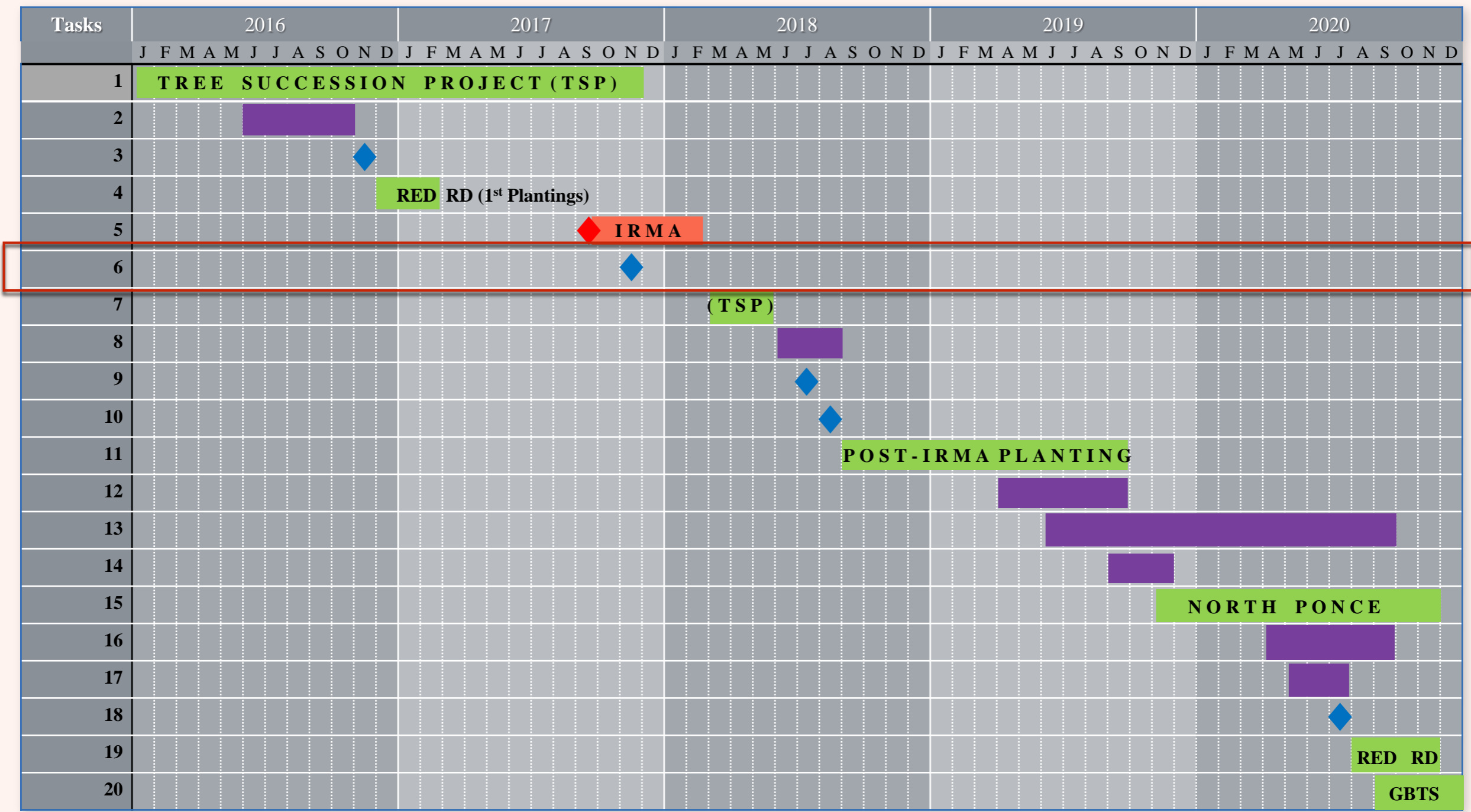
Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



5) September 9-10, 2017:

Hurricane Irma struck on September 9-10, 2017 and was followed by months of cleanup and recovery efforts. New tree plantings were suspended until post-hurricane cleanup and recovery efforts were nearly completed.

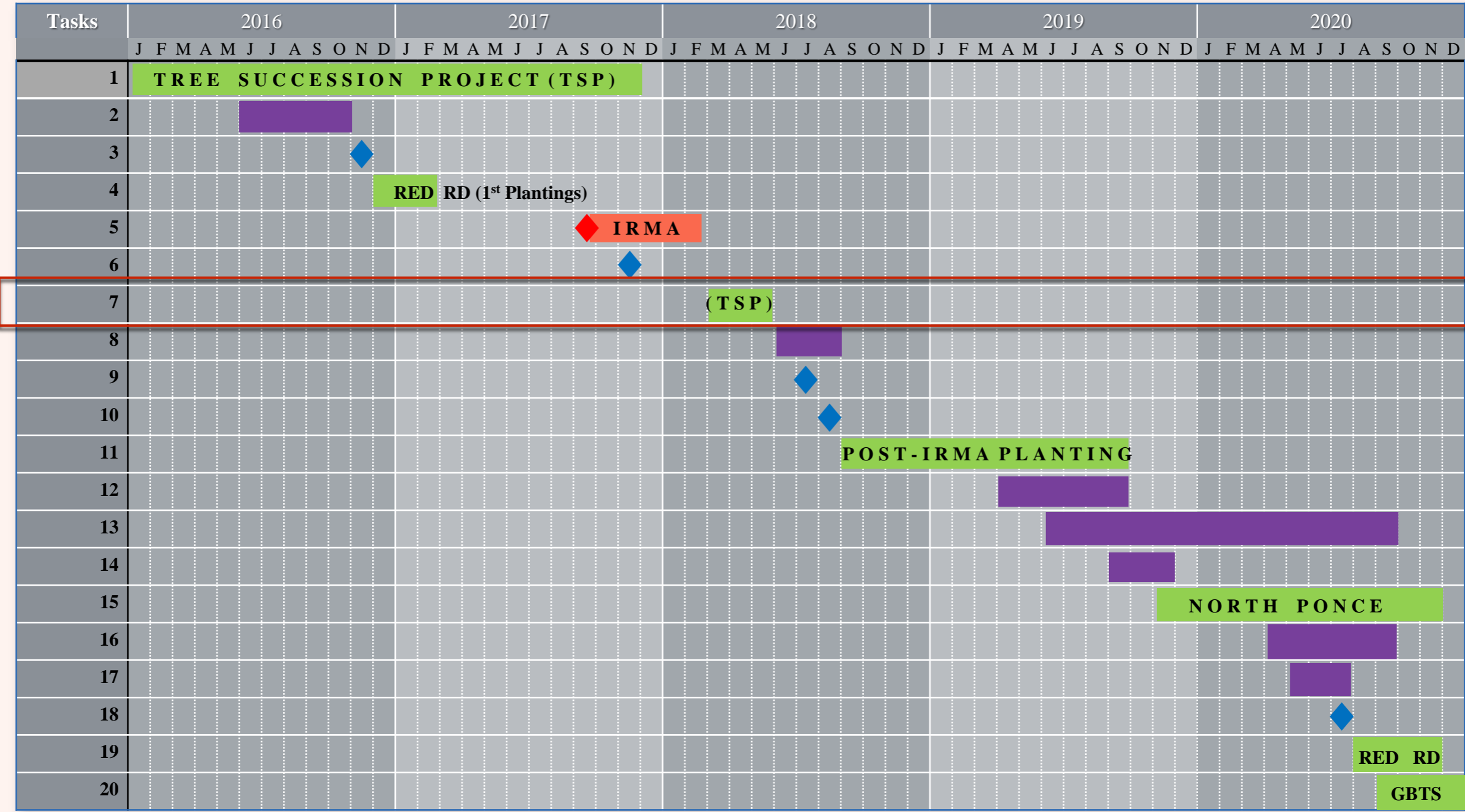
Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



6) November 9, 2017:

On November 9th, 2017 the original Red Road FDOT landscape permit (2016-L-690-09) expired.

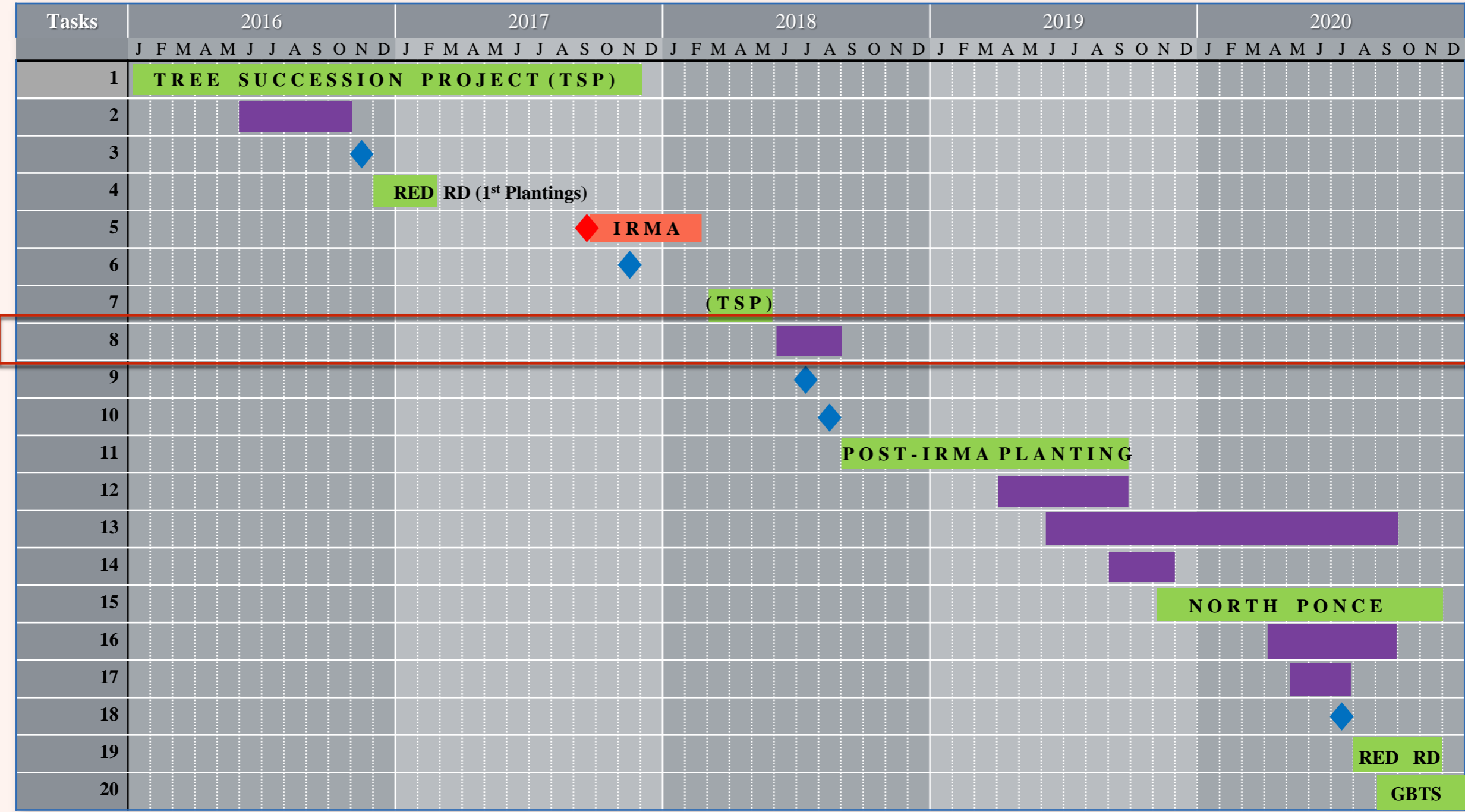
Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



7) March - May of 2018:

In March through May of 2018, the remaining 150 Tree Succession Project oak trees were planted in Old Cutler Bay.

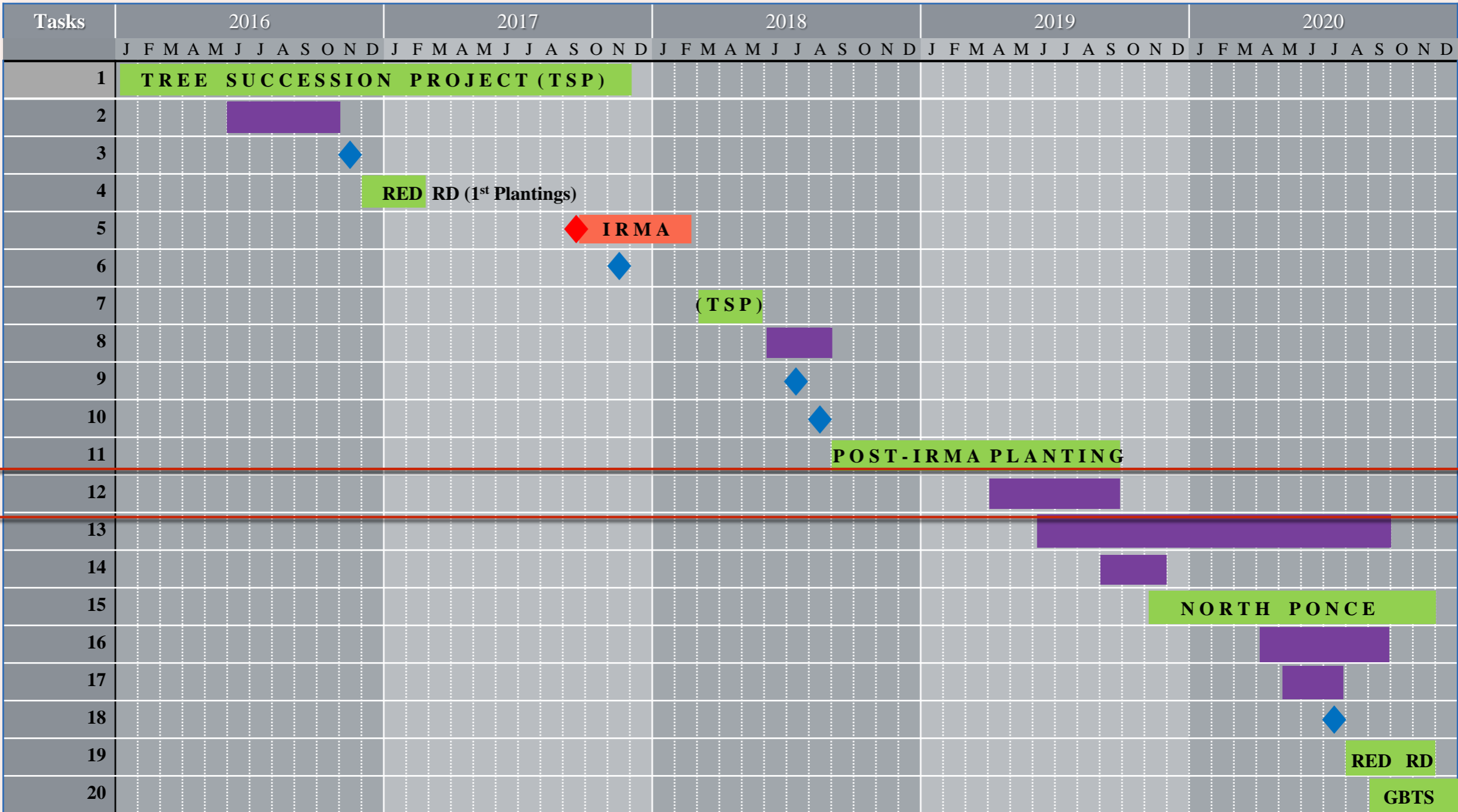
Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



8) June 28, 2018:

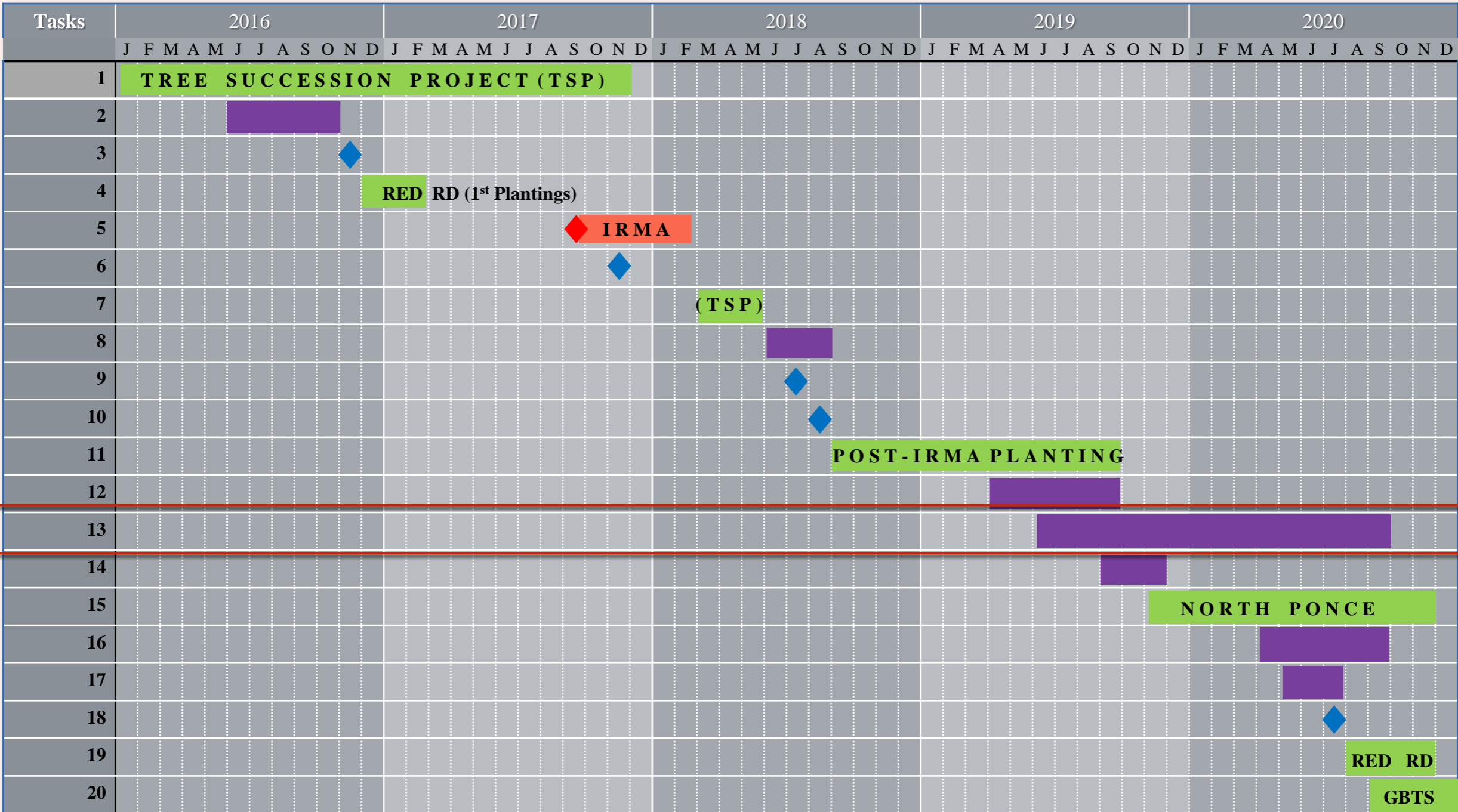
On June 28th, 2018 an Invitation for Bids (IFB) was issued to purchase approximately one thousand (1,000) new trees and palms to be planted along residential streets throughout the City to replace those lost or damaged during Hurricane Irma.

Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



12) April 18, 2019: On April 18, 2019, an Invitation for Bids was issued (IFB 2019-012) to procure the Solitaire Palms for Red Road; however, the two lowest bidders, Manuel Diaz Farms, Inc. and Superior Landscaping & Lawn Services, Inc., did not have Solitaire Palms that met the FDOT size specification. The price of the third bidder exceeded the City's budget for the palms. As a result, the bid was cancelled in August/September of 2019.

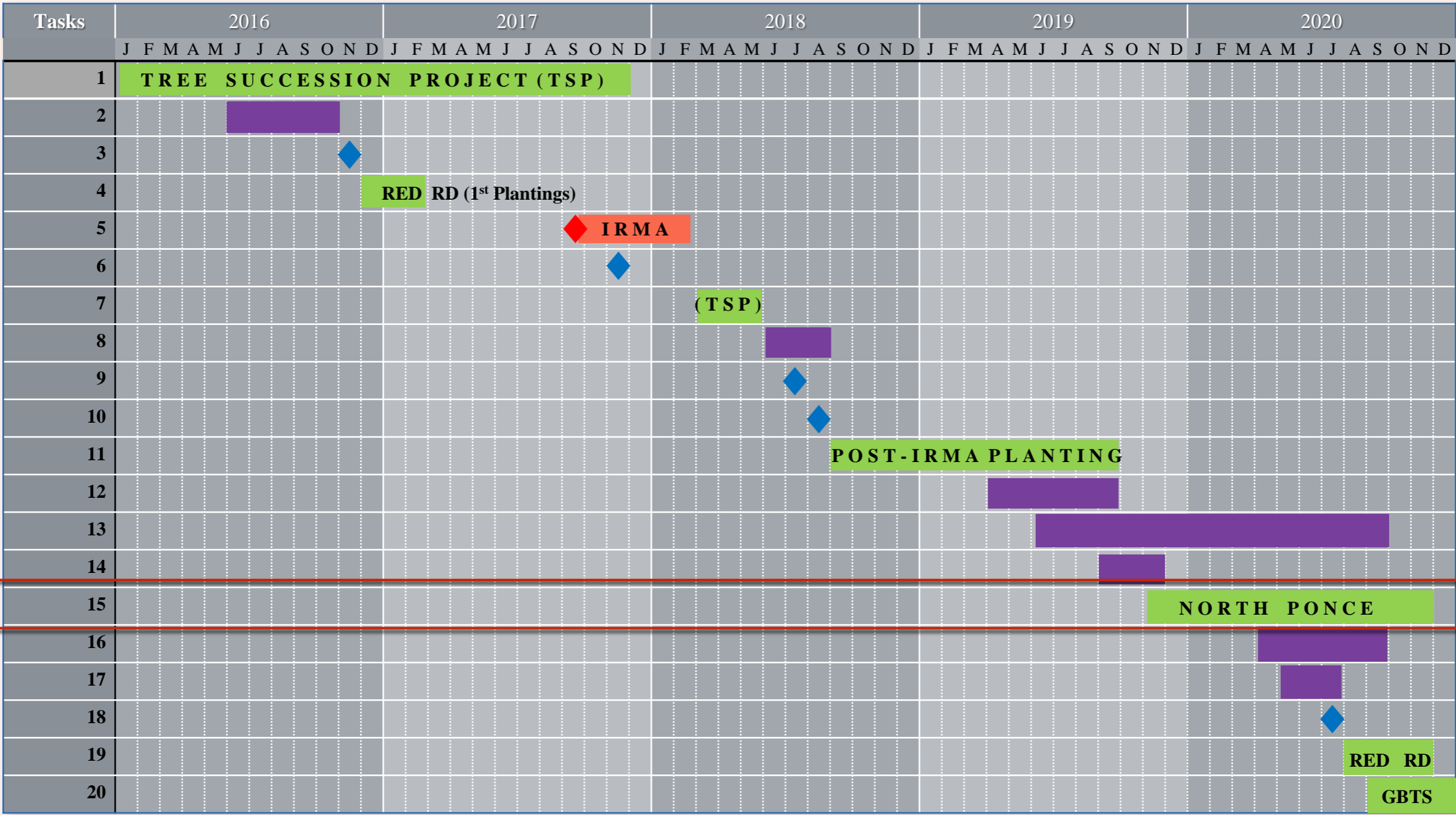
Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



13) July 2019:

In July of 2019 the plans for the new FDOT landscape permit (2019-L-690-00008) were submitted.

Timeline of the City's Tree & Palm Planting Efforts for Red Road & Following Hurricane Irma:



15) November 12, 2019:

On November 12th, 2019, tree plantings in the North Ponce neighborhood swales began on Antiquera Avenue, and the remaining planting are anticipated to be completed by the end of November of 2020.

Red Road Landscape Improvements



QUESTIONS OR COMMENTS:

E-MAIL: TREES@CORALGABLES.COM

PROJECT WEBPAGE:

CORALGABLES/REDROADLANDSCAPEIMPROVEMENTS

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