

SW 10TH ST. CONNECTOR

FDOT DISTRICT 4

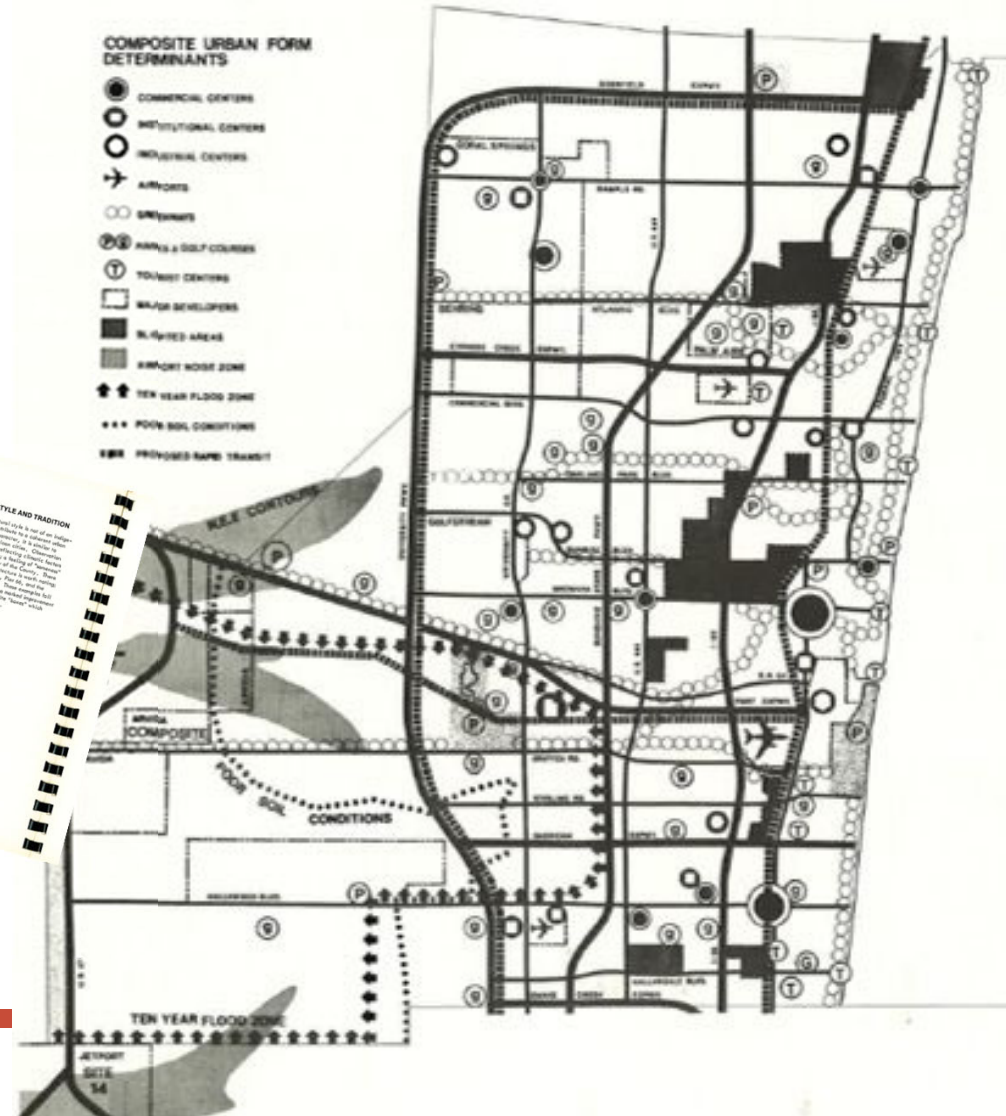
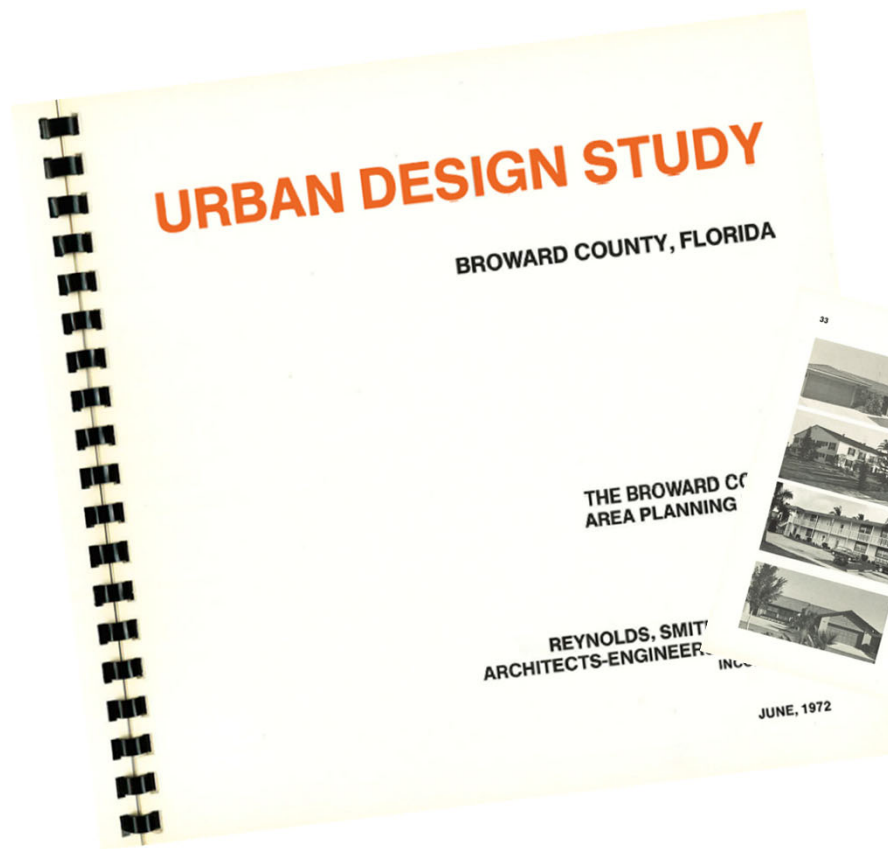
**Crystal Lake Golf Villas Phase I & II
Project Overview**

August 22, 2023

Vanita Saini, P.E.
FDOT Project Manager



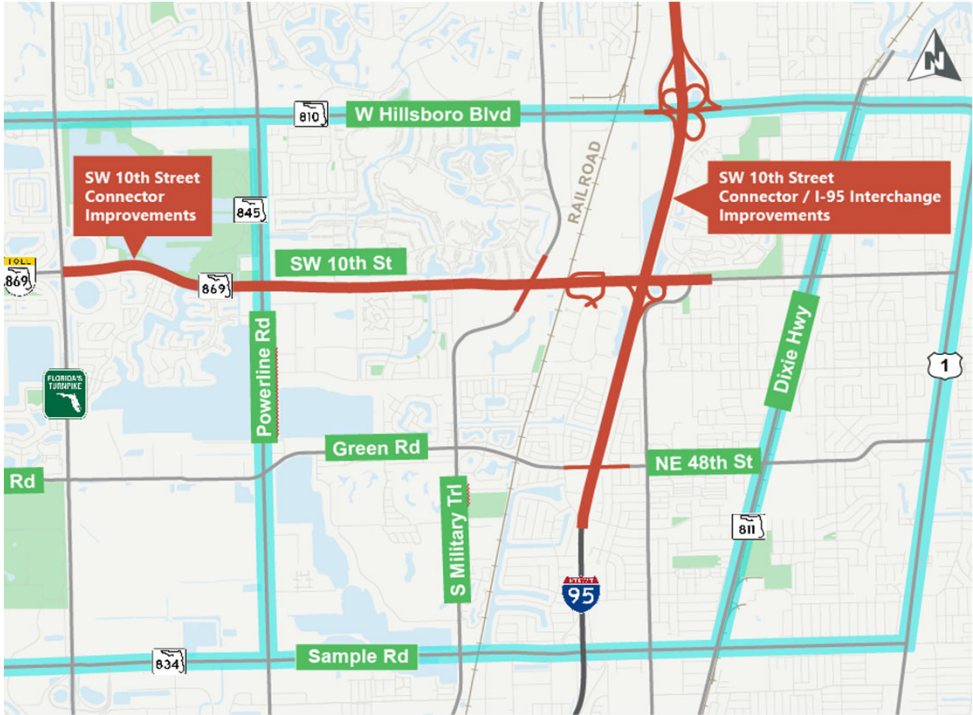
1972 Urban Design Study



Regional



Combined Project Limits



Current Situation

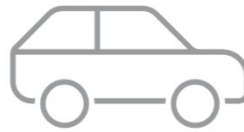
- Why SW 10th Street Connector?
 - Original design vs. today's use
 - Safety and mobility needs of local and regional users
 - Quality of life and accessibility impacts
 - Movement of goods and services impacted by current corridor



Vision



Your **safety, time, and quality of life** are priority

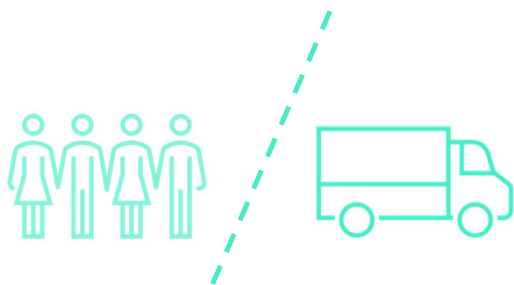


Providing residents, commercial traffic, and the region the **safe, efficient, and reliable transportation option** that has been promised for decades



Complete the missing link in the region's limited access and highway network

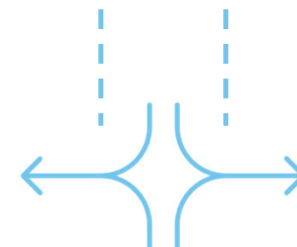
Innovations with YOU in Mind



Separate the major highway traffic from the local residential and commercial/business traffic



Allow freight and commuter traffic and other non-local traffic to bypass the residential areas

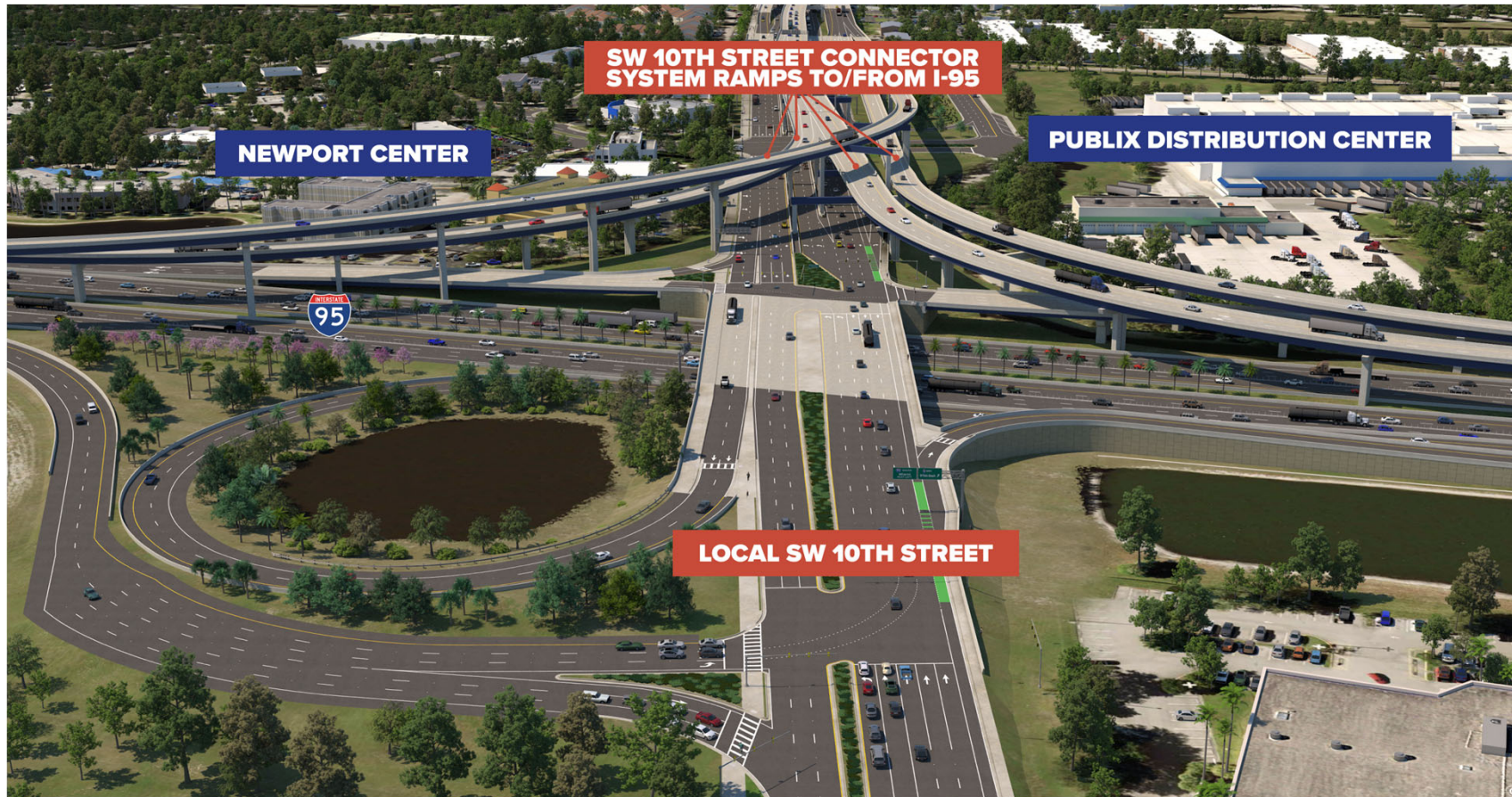


Innovatively improve several major cross-street arterial intersections

SW 10th St Connector Lanes / Local SW 10th St – Looking West



SW 10th Street Connector / I-95 Interchange: Looking West



SW 10th Street Connector / I-95 Interchange at Military Trail



Structures Aesthetics

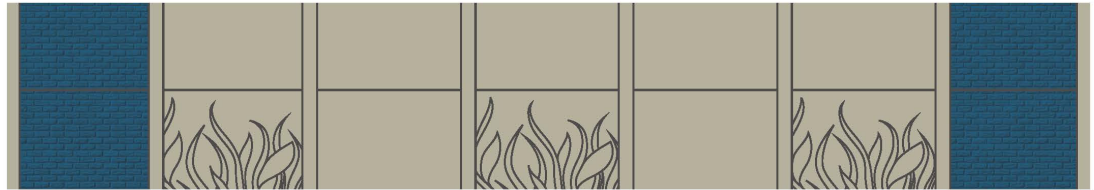
Community input led to decision on design of aesthetics.

- Ground Mounted Noise Barrier Walls
- Retaining Walls
- Bridge Piers / Straddles
- Bridge Steel Girders

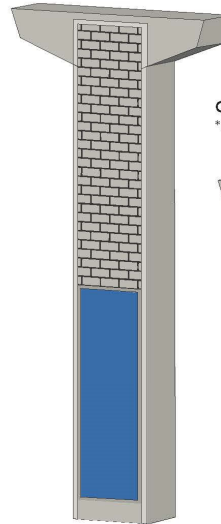
SAWGRASS CONCEPT (Colored panels shown: Federal 15193 with Ashlar Stone Facing)



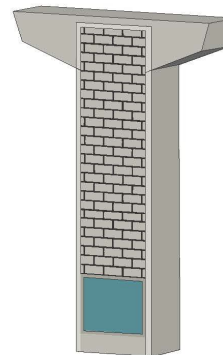
SEAGRASS CONCEPT (Colored panels shown: Federal 15123 with Ashlar Stone Facing)



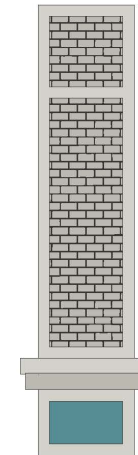
Gateway Piers | Brick formliner | 2-Tone



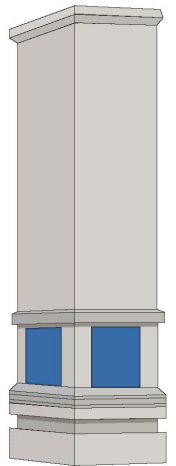
Conventional Piers | Brick formliner | 2-Tone
*Color to change based on location



MSE Enhancement Pylon
*Color to change based on location

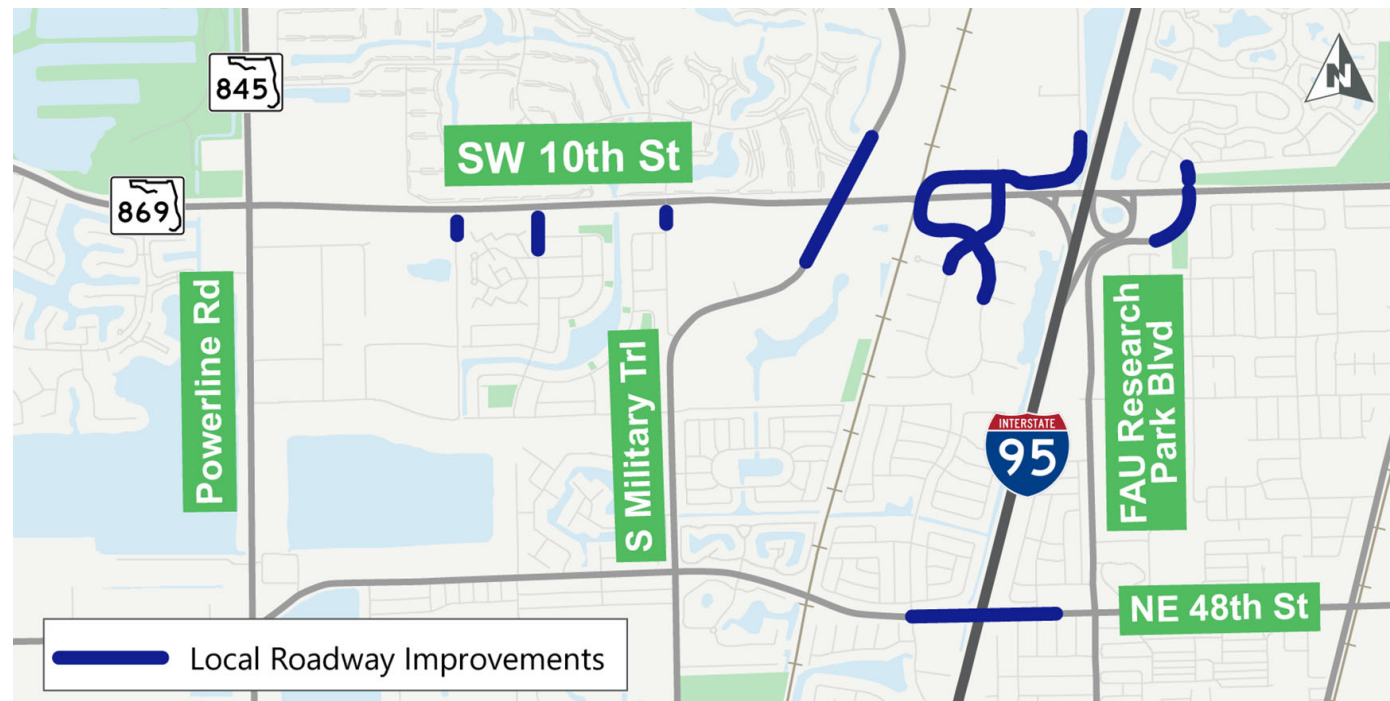


MSE Bridge Corner Pylon
*Color to change based on location



Local Roadway Improvements for Deerfield Beach / Broward County

- Military Trail bike lanes / sidewalk
- Newport Center Drive and SW 12th Avenue reconstruction
- FAU Research Park Blvd. widening
- NE 48th St bridge replacement
- Minor improvements to other local City cross-streets



SW 10th Street Connector over Powerline Road – Looking Northwest



Local SW 10th Street Intersection at Powerline Road – Looking West



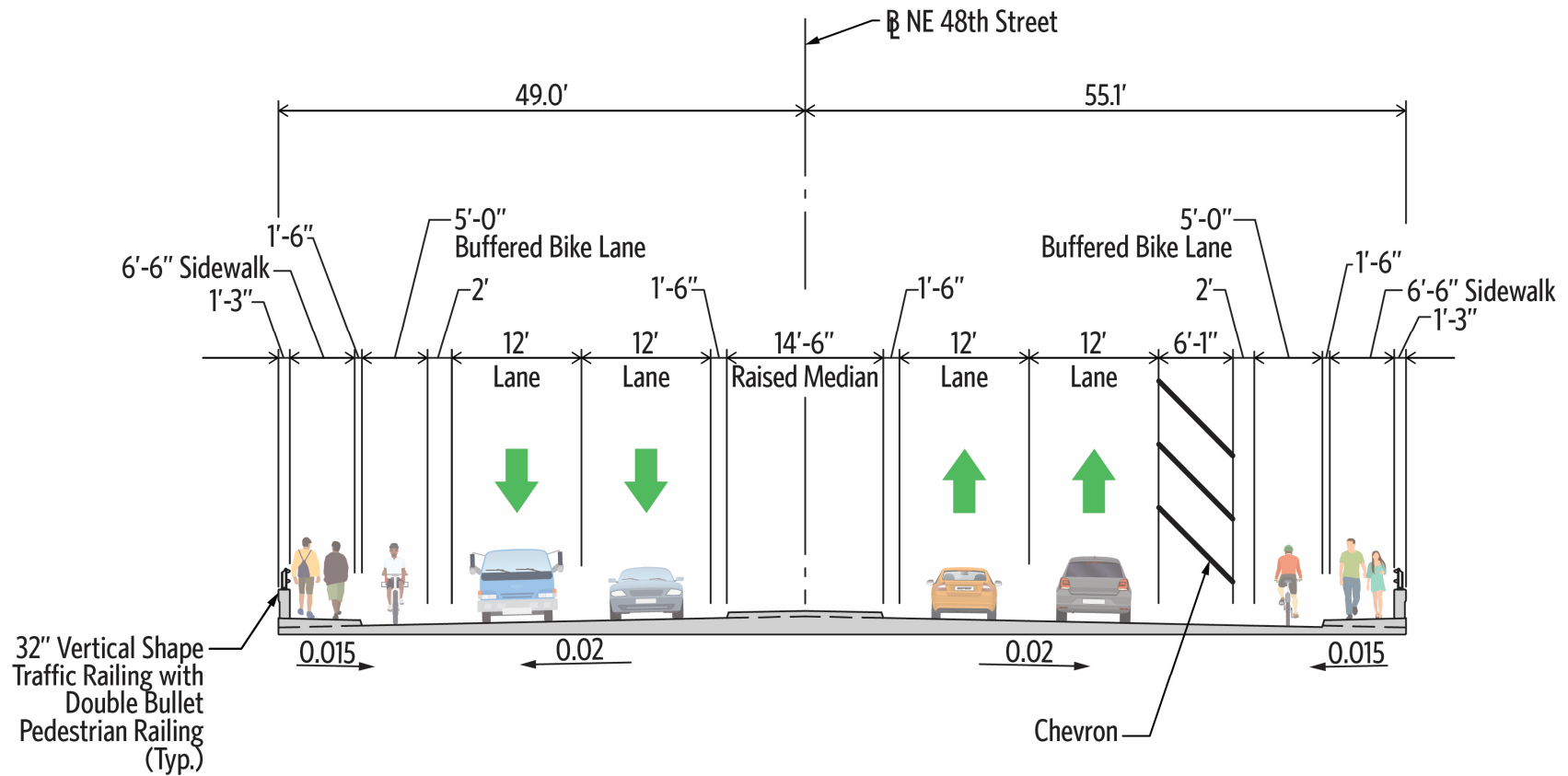
SW 10th Street Connector over Powerline Road- Looking South



SW 10th Street Connector over Military Trail- Looking North

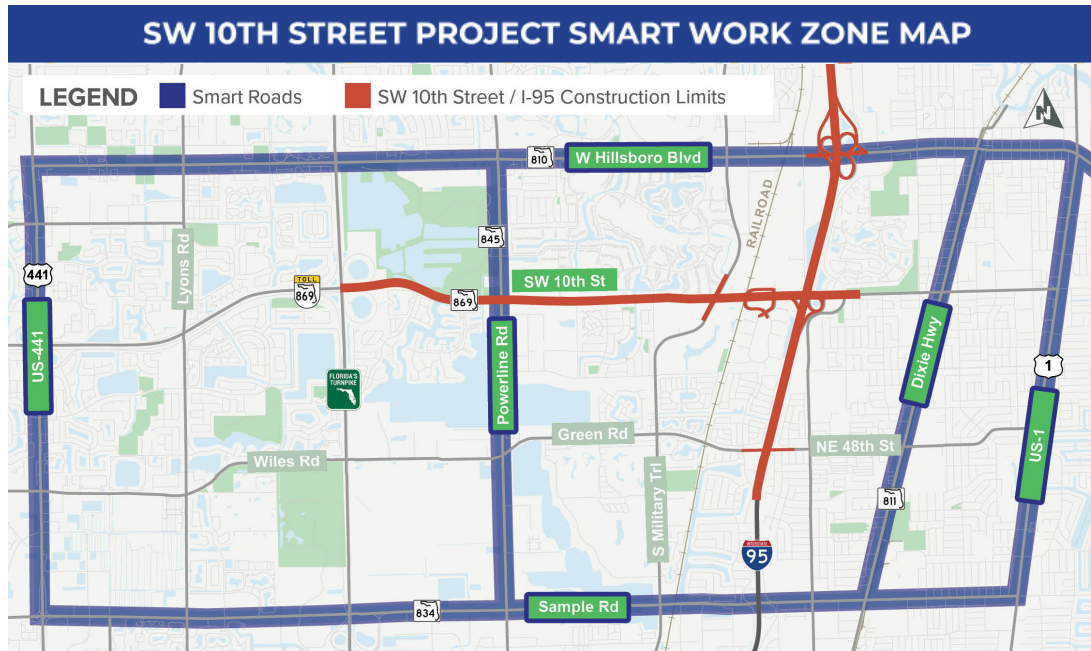


48th Street Bridge Replacement Over I-95 – Preliminary Typical Section



Transportation Systems Management and Operations Smart Work Zone

Objective is to support safety and mobility within the vicinity of the SW 10th Street Connector and Local SW 10th Street Roadway, and regional arterial traffic operations during and after construction.



Smart Work Zones Will be Built-Out With Technology to:

Help Motorists Make Informed Decisions on the Most Efficient Route Through and Around the Work Zone

Advise of Potential Congestion and Major Construction Activities in Advance

Lasting Innovations Beyond Construction

Examples of Technology that will be used are:



Overhead Dynamic Message Signs providing **real-time travel information**



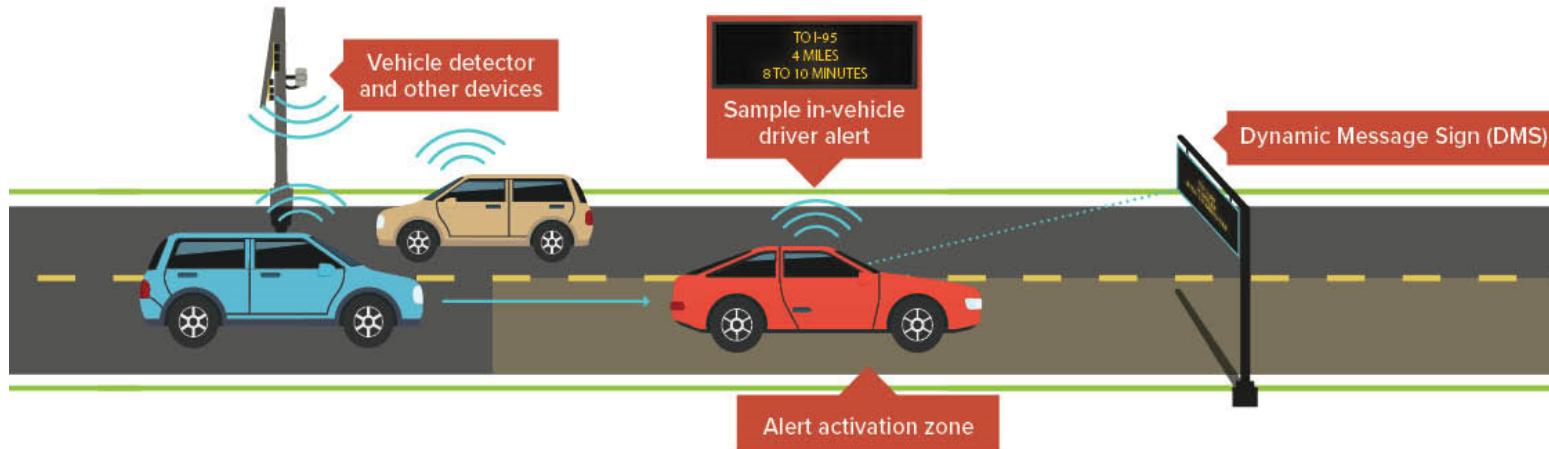
High-Definition Closed Circuit Cameras



Fiber Communications Network

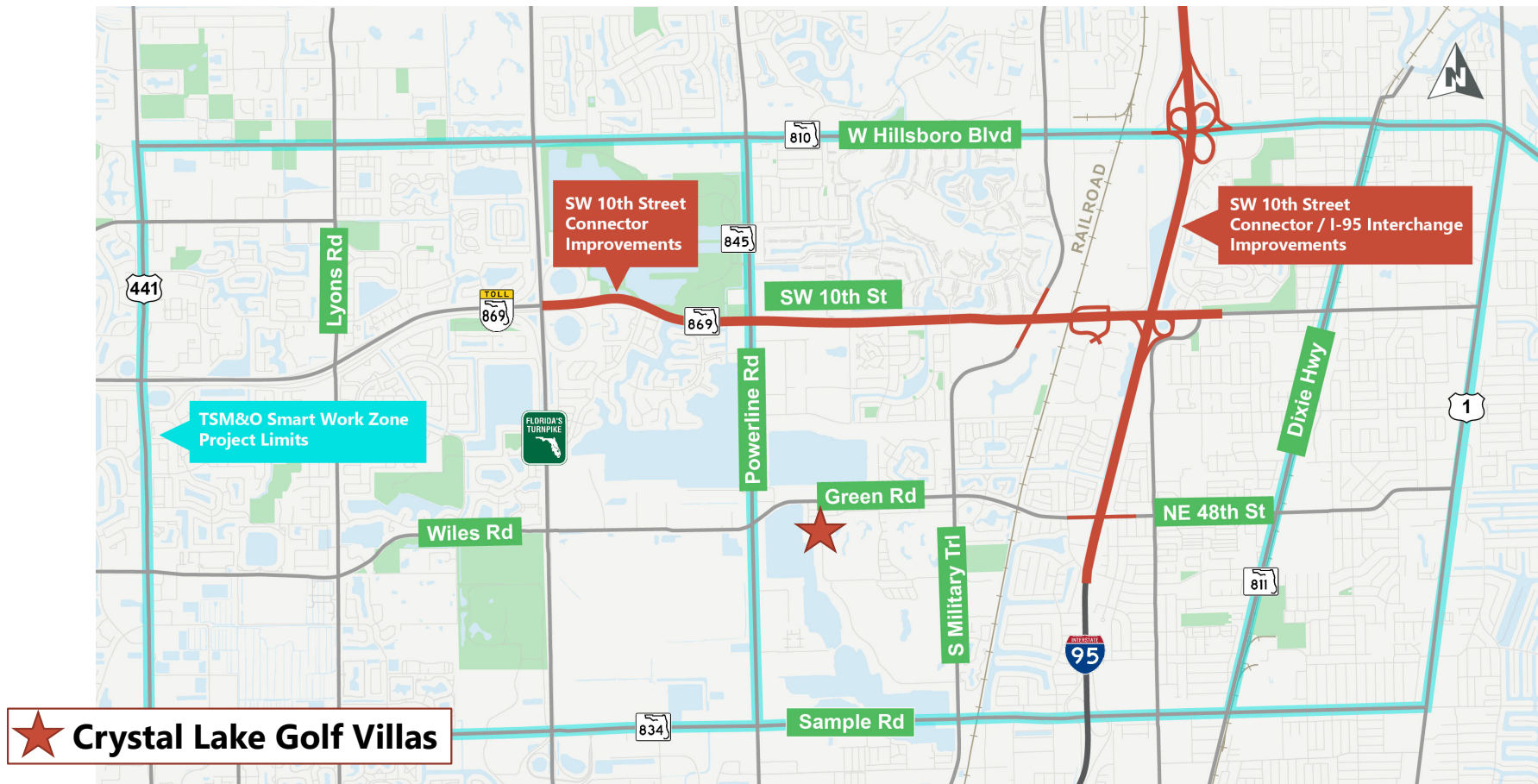


Vehicle Detectors

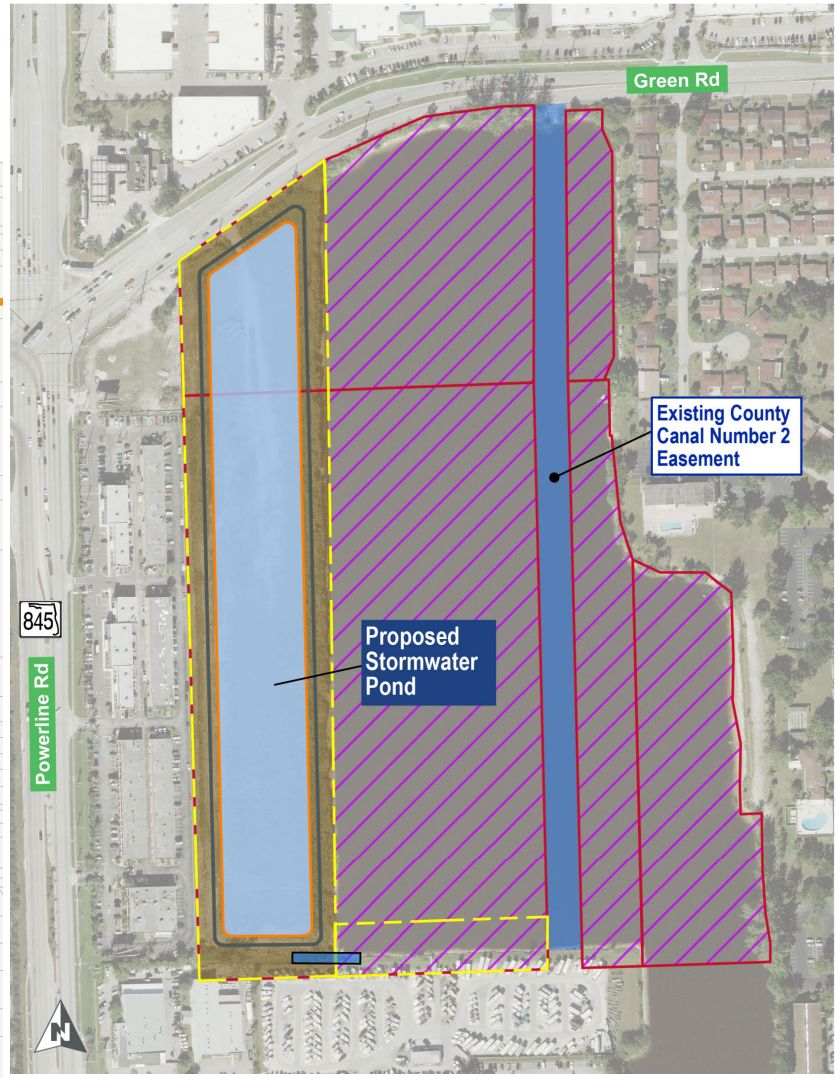
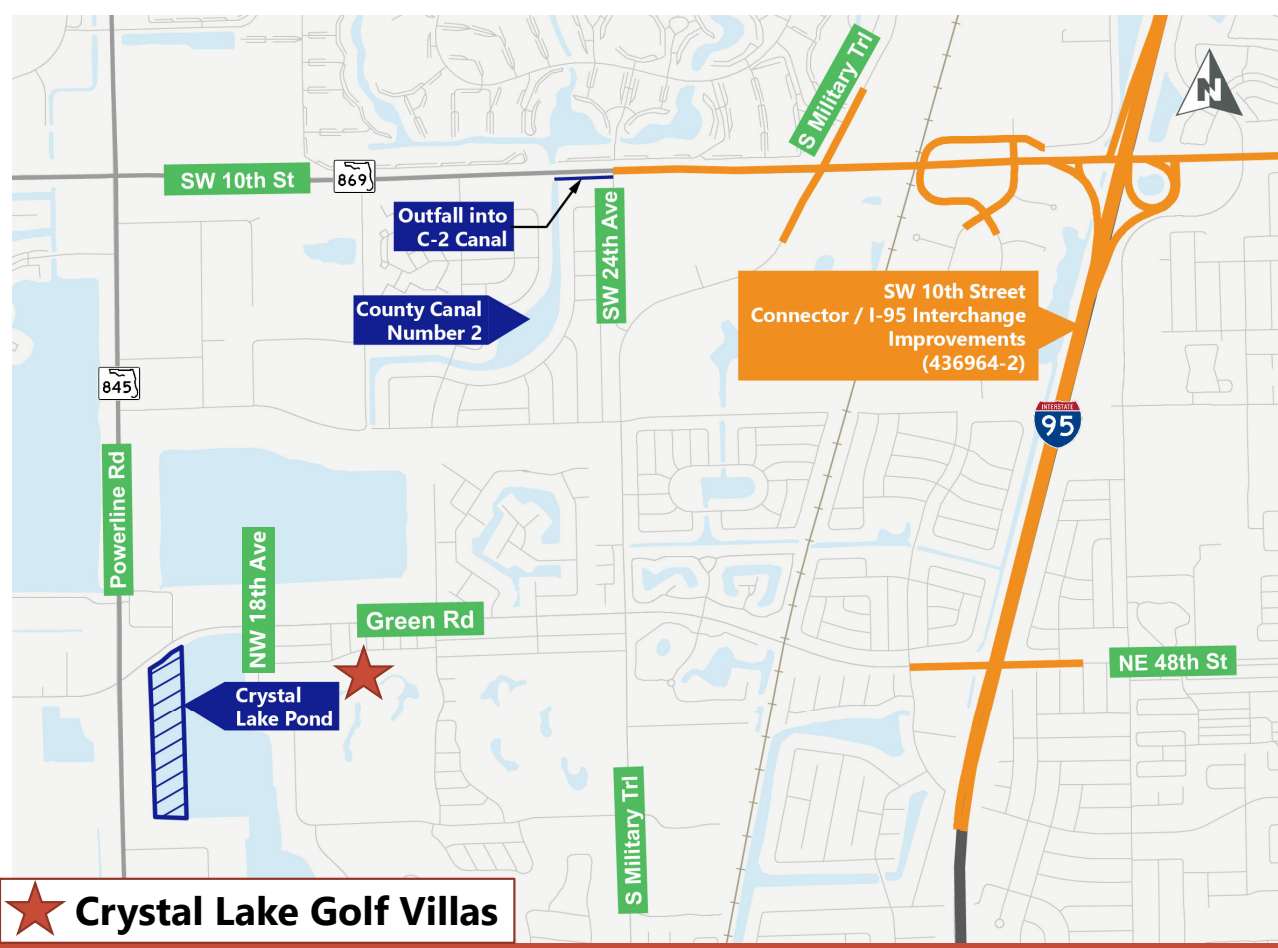


Connected vehicle technology which enables vehicles to receive notifications directly from the Transportation Management Center

Other Local Improvements



Crystal Lake Pond Site (County Canal 2 Basin)



Questions and Comments?

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