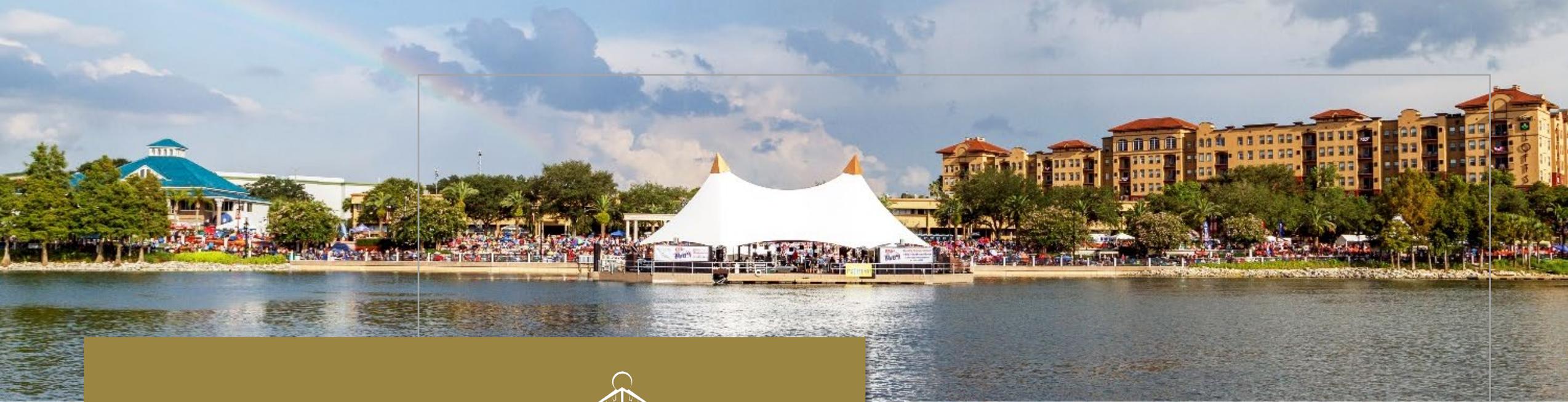


www.Altamonte.org

**WHERE
INSPIRATION
SPARKS
INNOVATION**



www.Altamonte.org

ALTAMONTE FLEXPATH & AUTONOMOUS VEHICLES

WELCOME TO THE CITY OF ALTAMONTE

Located in Seminole County, Florida, just north of Orlando, Altamonte Springs is a recognized leader in the region, state and nation for its innovation, fiscal responsibility and progressive ideas. The City is completely debt free and maintains one of the lowest tax rates in Florida. From forward-thinking and proactive initiatives to an evolving business climate and environmentally friendly projects, Altamonte Springs has set an example for other municipalities by striving to work beyond the typical constraints of local government.



CITY DEMOGRAPHICS

- Year of Incorporation: 1920
- City Area: 9.7 Square Miles
- Employees: 445
- Volunteers & Limited Term Employees: 570
- Government: Commission & Strong Manager
- Population (2020 Census):
 - City: 46,231
 - County: 470,856
- Current Millage Rates:
 - City Millage Rate: 3.1
 - Seminole Co. Fire/Rescue MSTU Rate: 2.7649
- Residential Information:
 - Single-Family Parcels: 6,616
 - Single-Family Residential Subdivisions: 137
 - Multifamily Units: 17,110
 - Multifamily Communities: 97
- Utilities: A regional utility serving approximately 120,000 utility customers, many in other cities and unincorporated Seminole and Orange Counties. Services include residential garbage collection, waste recycling, water, reclaimed water, sewer and stormwater management.

The City has a perfect blend of community spirit and bustling activities that help create a wholesome environment for residents and visitors alike. Residential tree-lined streets and beautiful, natural parks reflect the charming and unique character of what locals call home. Not to mention, the City's robust events program is the most exciting in the region. Altamonte Springs' programs infuse into our community a sense of excitement and entertainment, while enriching its diverse social fabric.

City leadership, staff, residents and local businesses share a vision of making Altamonte Springs the best place in Central Florida to live, work, raise a family, earn a degree, seek medical care and build a business.



INNOVATION

...IS A VERB...

INNOVATION

WE DON'T PILOT

INNOVATION

WE GO DO

INNOVATION

WE PROGRAM

INNOVATION

WE PRODUCE

INNOVATION

**WE PIVOT TO WHAT
INSPIRES US NEXT**

INNOVATION

**USEFUL INNOVATION
REQUIRES COMMUNITIES
LEARNING THE “NEW”**

INNOVATION

**REQUIRES YOU TO
BECOME A TEACHER**

INNOVATIVE IDEAS



Internship Program

In 2022, the City launched an internship program for high school and college interns. The year-round program offers hands-on experience and the opportunity to explore future career options, build a portfolio, create a professional network and more.



On-the-Job Training

The Building and Fire Safety Department offers a specialized certification training program, which includes experience in every construction discipline for both inspector and plan examiner fields. At this time, the City is the only municipality in Florida with a 40-hour approved course.



Virtual Inspections

The City has implemented a virtual inspection program, which uses online video conferencing to allow inspectors to remotely view the site using a webcam controlled by the owner or contractor. Remote inspections include windows, residential A/C units, roofs and more.

INNOVATIVE ID



Altamonte Springs Science Incubator

A program promoting career readiness in the high-tech, high-demand fields of science, technology, engineering and math. AS₂I offers hands-on activities and experiences for Seminole County middle and high school students.



Project H₂O Tx

An AS₂I course providing high school seniors with formal instruction and practical, hands-on experience in water resource management, wastewater treatment process control and, more specifically, in the operation of wastewater treatment facilities.



A-FIRST

A-FIRST captures I-4 stormwater run off, treats it and redirects it into the City's reclaimed water system which is used for irrigation. The City sends remaining water to the City of Apopka, which has increasing water demands. The project also reduces impacts to area springs.

INNOVATIVE IDEAS



pureALTA

In anticipation of predicted shortages, the City is developing a reliable and drought-resistant water source with the potential to meet future drinking water needs. pureALTA uses cutting-edge technologies to purify reclaimed water to potable standards.



2017 Innovative Project of the Year

*WaterReuse
Phoenix, Arizona*



2018 Market-Changing Water Technology Award Winner

*International Water Association
Tokyo, Japan*

INNOVATIVE IDEAS

Floating Solar Array

The City has constructed a floating solar array to supply power to its Regional Water Reclamation Facility in an effort to further increase sustainability while reducing its carbon footprint and costs. This is the first major renewable energy project by the AEU.

The array consists of 2,430 panels comprised of small photovoltaic cells which convert sunlight into electricity. Each panel is capable of generating up to 400 watts of power for a combined total of approximately one megawatt of power, making it the largest floating solar array in Florida and the second largest in the nation. It is estimated to yield over \$170,000 in recurring annual savings. Altamonte Springs' solar array was primary example used by legislative staff to support HB 1411, Floatovoltaics, signed by Governor DeSantis.



INNOVATIVE ID



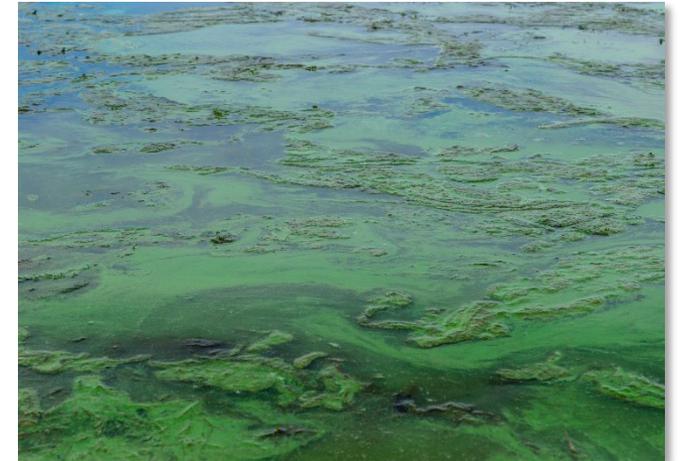
COVID-19 Predictive Model

Altamonte Springs was among the few cities in the U.S. to test local wastewater for COVID-19. This wastewater does not contain any infectious fragments of the virus, which allows the City to safely collect samples and estimate the prevalence of both symptomatic and asymptomatic cases in the community.



Biosolid to Biofuel

Altamonte Springs and industry leading engineering firm AECOM have formed a public-private partnership to conduct an innovative biofuel pilot program at the City's award-winning Regional Water Reclamation Facility. The goal of this pilot program is to demonstrate that algae and wastewater treatment biosolids can be transformed into biofuel to help remove harmful algae from water bodies and reduce dependence on fossil fuels. Our City is the first in the state of Florida and only the third in the country to test this cutting-edge technology.

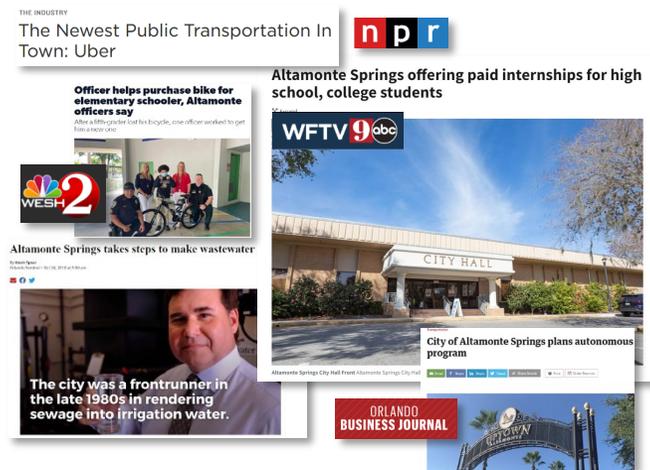


INNOVATIVE ID



Local Leaders

Demystifying potable reuse for community leaders is key. School Board members, County leaders and thought leaders in the community have been invited for tours, and some drank the water.



Media

Effective and patient media relationships allowed the City to gain positive press for pureALTA and taking time with print and TV media to explain the technology and allowing them to be hands on helped us tell the story of pureALTA.



Innovation Groups

The City is a member of national and international innovation groups. We share our innovation programs like our Uber pilot and pureALTA because they are scalable technologies.

INNOVATIVE ID



AGIL

AGiL (Altamonte Global Innovation Lab) is designed to provide public space as a laboratory to test innovative smart city technology. AGiL will combine a network of City leaders, emerging businesses and partners focused on delivering context driven and sustainable solutions.



Uber

In 2016, the City establishes the first U.S. interlocal public-private partnership with Uber. The program offered 20% off trips starting and ending within the City limits and 25% off trips starting or ending at the Altamonte Springs SunRail commuter rail station.



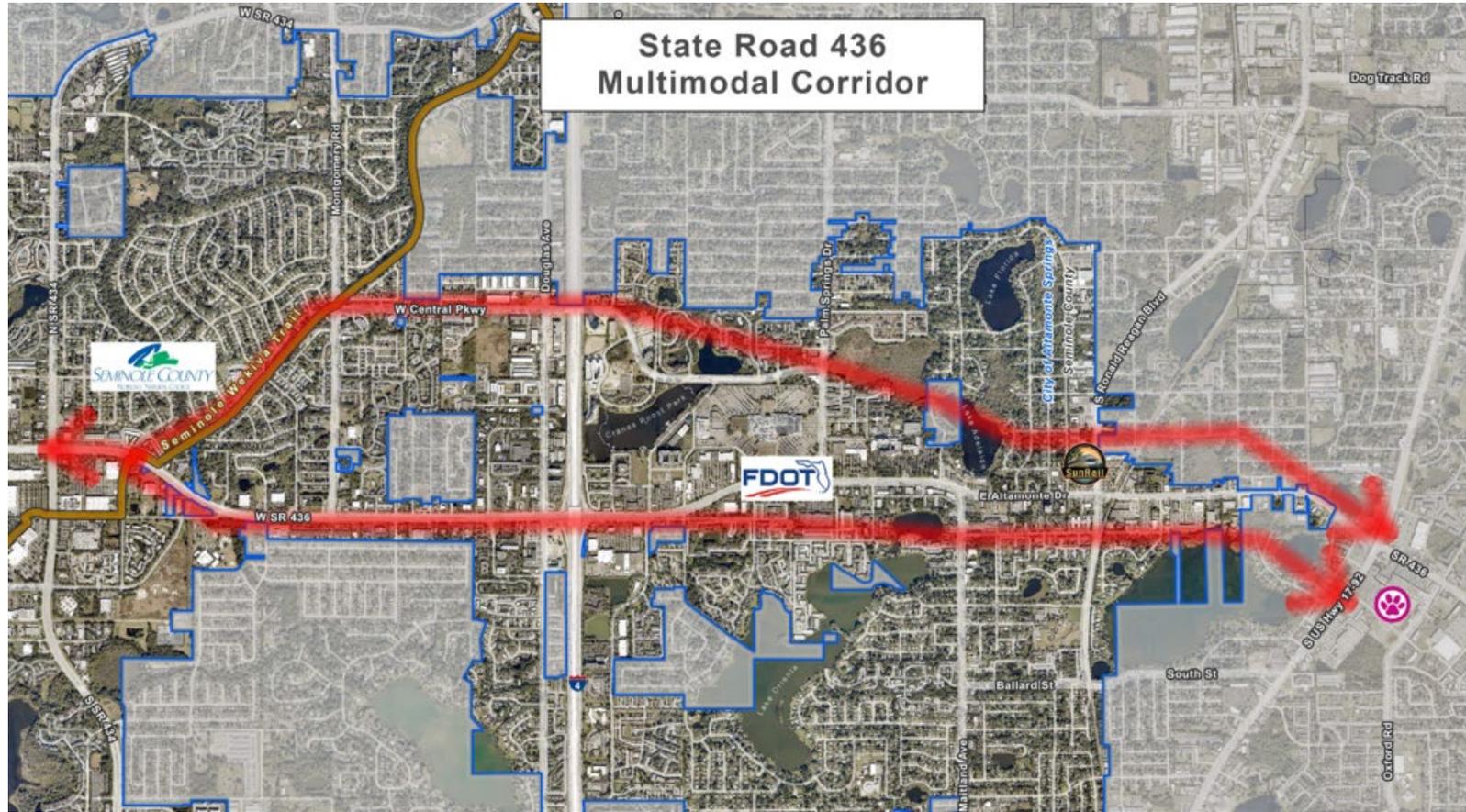
Flexpath

The City is in the process of constructing a flexible pathway project, which continues the long history of innovative transit. The flexible on-street and off-street pathways will accommodate pedestrians, bicycles, micromobility devices and autonomous vehicle transit shuttles.

SYSTEMS APPRO

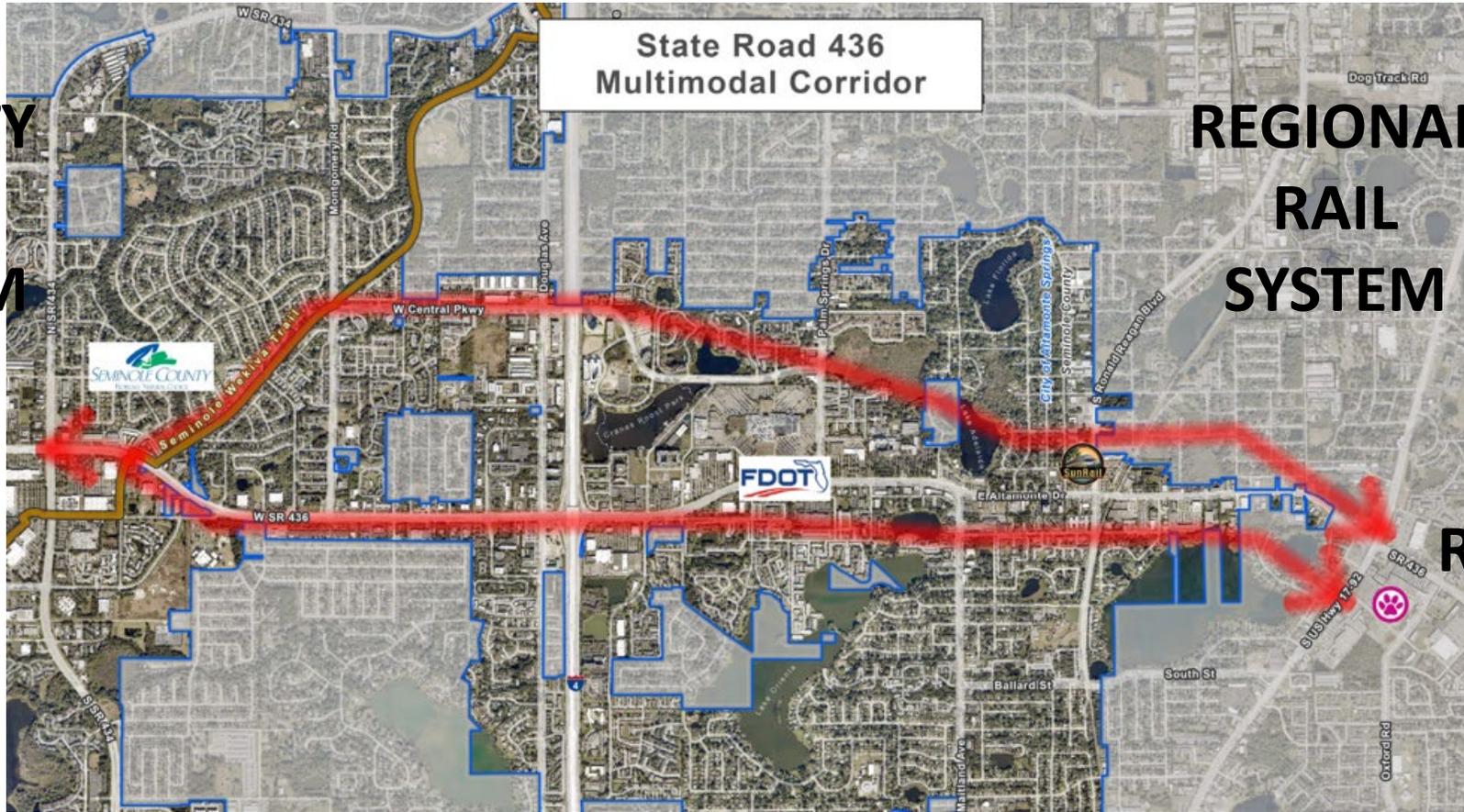
REQUIRES THE PLACE

S.R. 436 MULTIMODAL CORRIDOR



S.R. 436 MULTIMODAL CORRIDOR

COUNTY
TRAIL
SYSTEM



REGIONAL
RAIL
SYSTEM

REGIONAL
BUS
SYSTEM

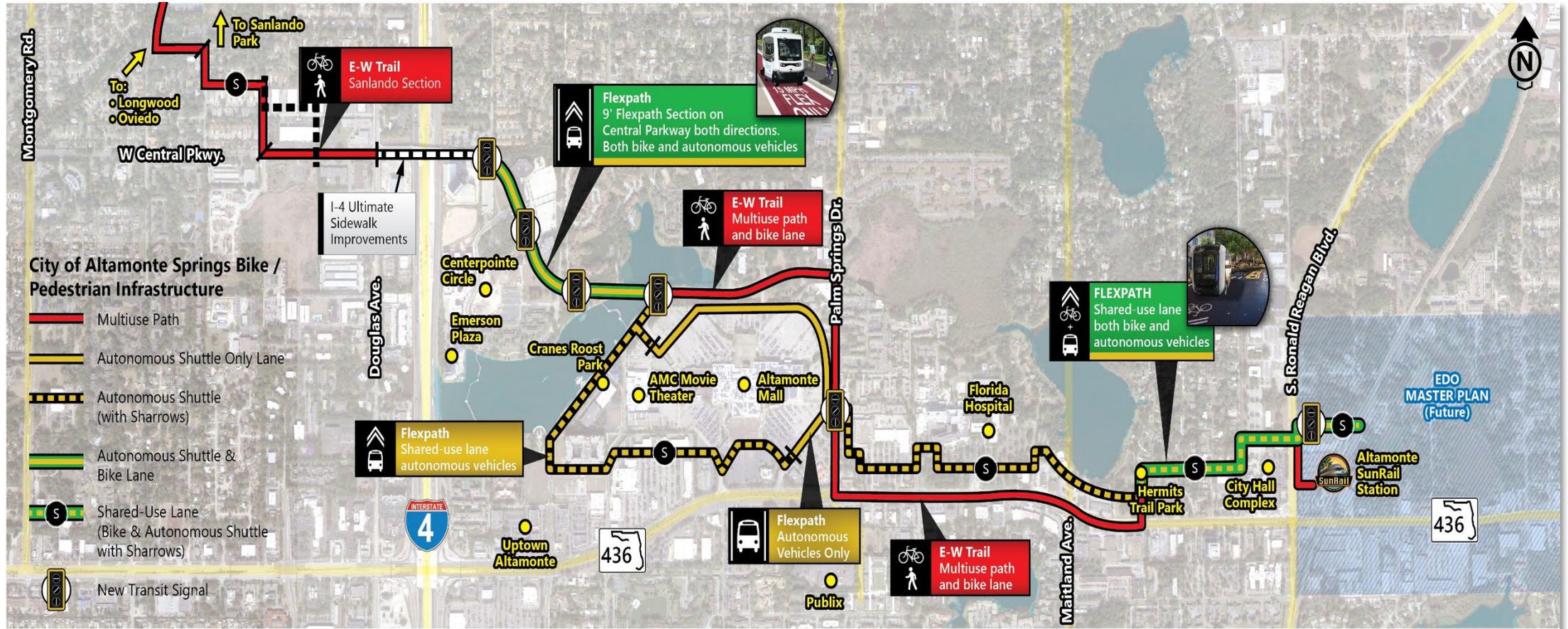
INNOVATION

**REQUIRES THE RIGHT
TEAMMATES**

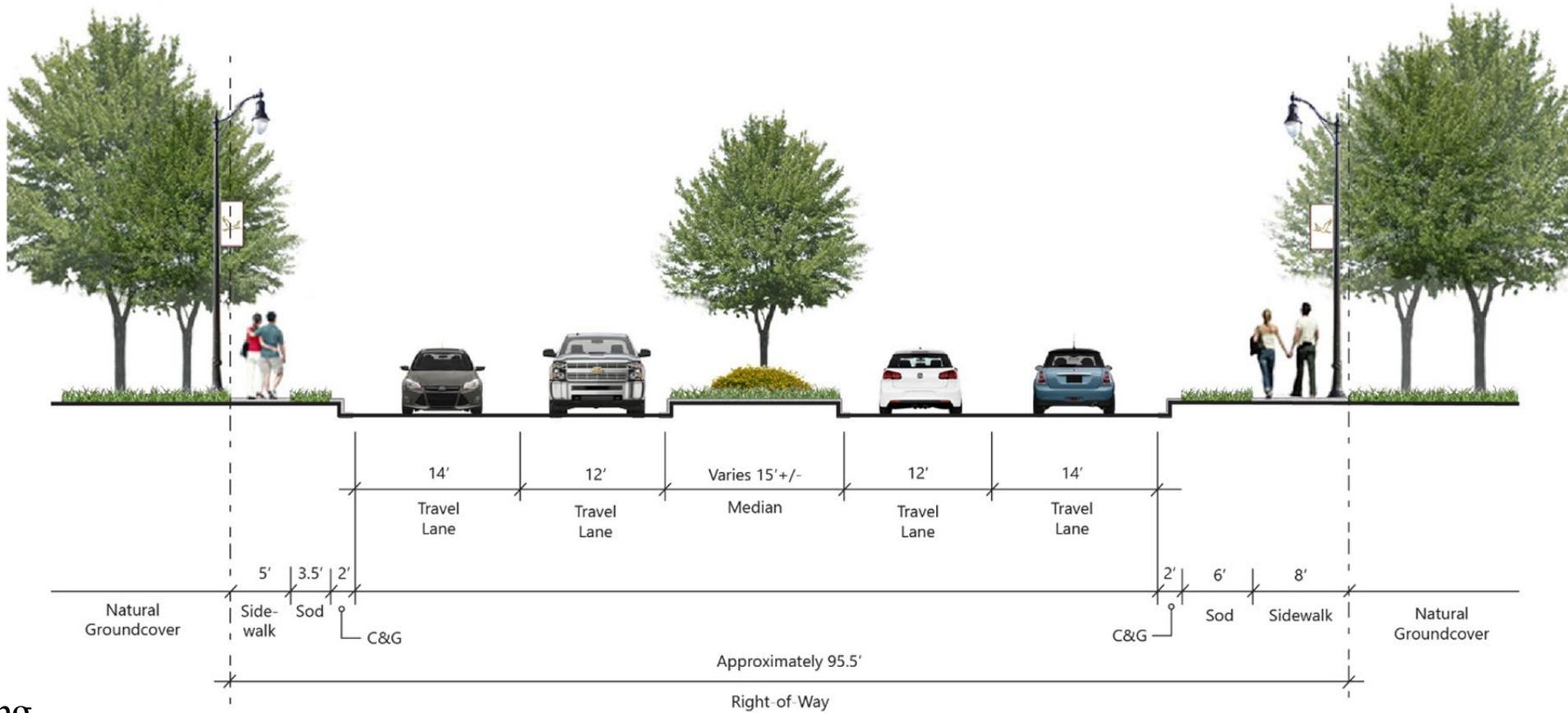
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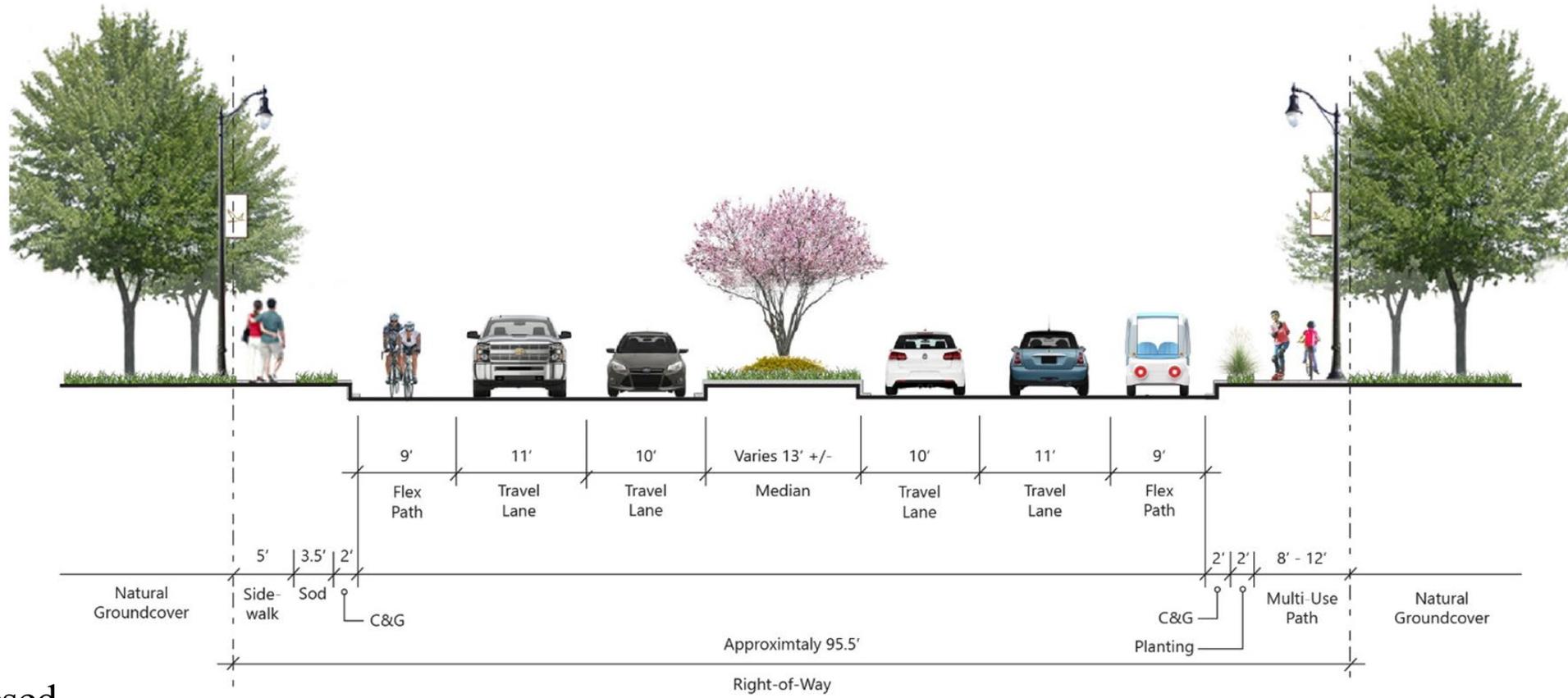
FLEXPATH & AV PROGRA



FLEXPATH & AV PROGRA



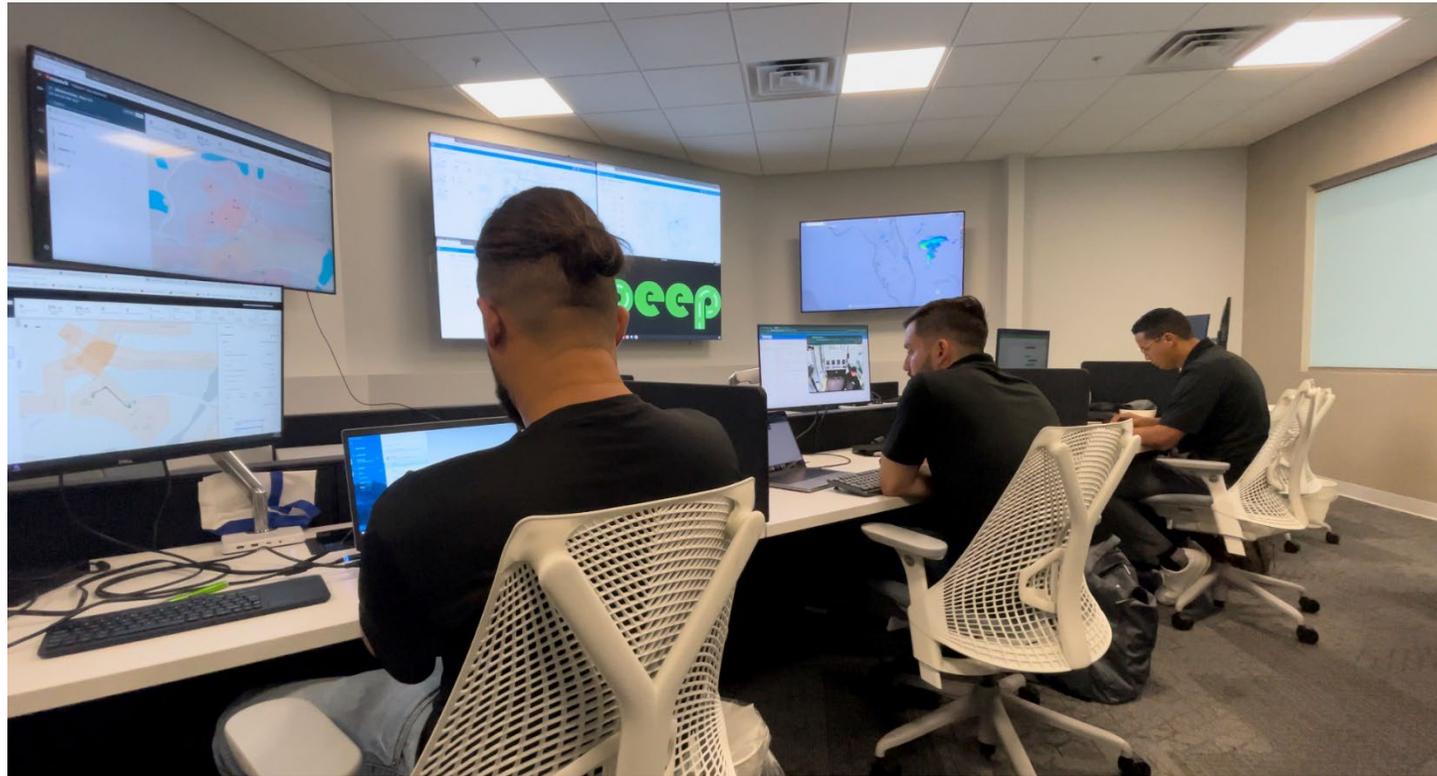
FLEXPATH & AV PROGRA



Proposed



FLEXPATH & AV PROGRA



FLEXPATH & AV PROGRA



E CENTRAL PKWY & S CENTER POINTE CIR (FACING SOUTH EAST)
MULTIMODAL FLEX PATH | CITY OF ALTAMONTE SPRINGS | FLORIDA



VHB p + d studio | March 18, 2022 | 4

FLEXPATH & AV PROGRA



E CENTRAL PKWY & N CENTERPOINTE CIR (FACING SOUTH EAST)
MULTIMODAL FLEX PATH | CITY OF ALTAMONTE SPRINGS | FLORIDA



VHB p + d studio | March 24, 2022 | 3

FLEXPATH & AV PROGRA



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MULTIMODAL FLEX PATH | CITY OF ALTAMONTE SPRINGS | FLORIDA

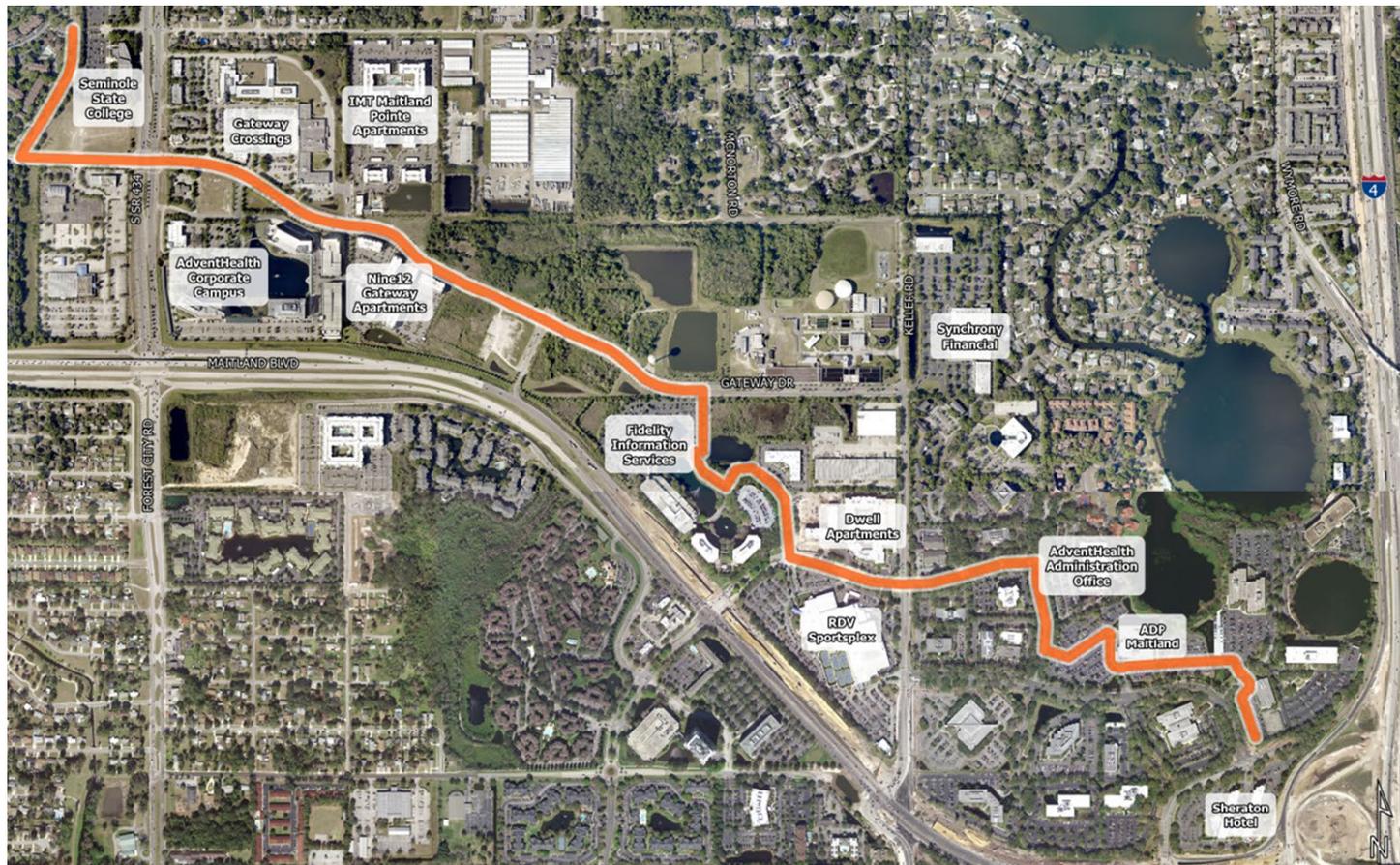


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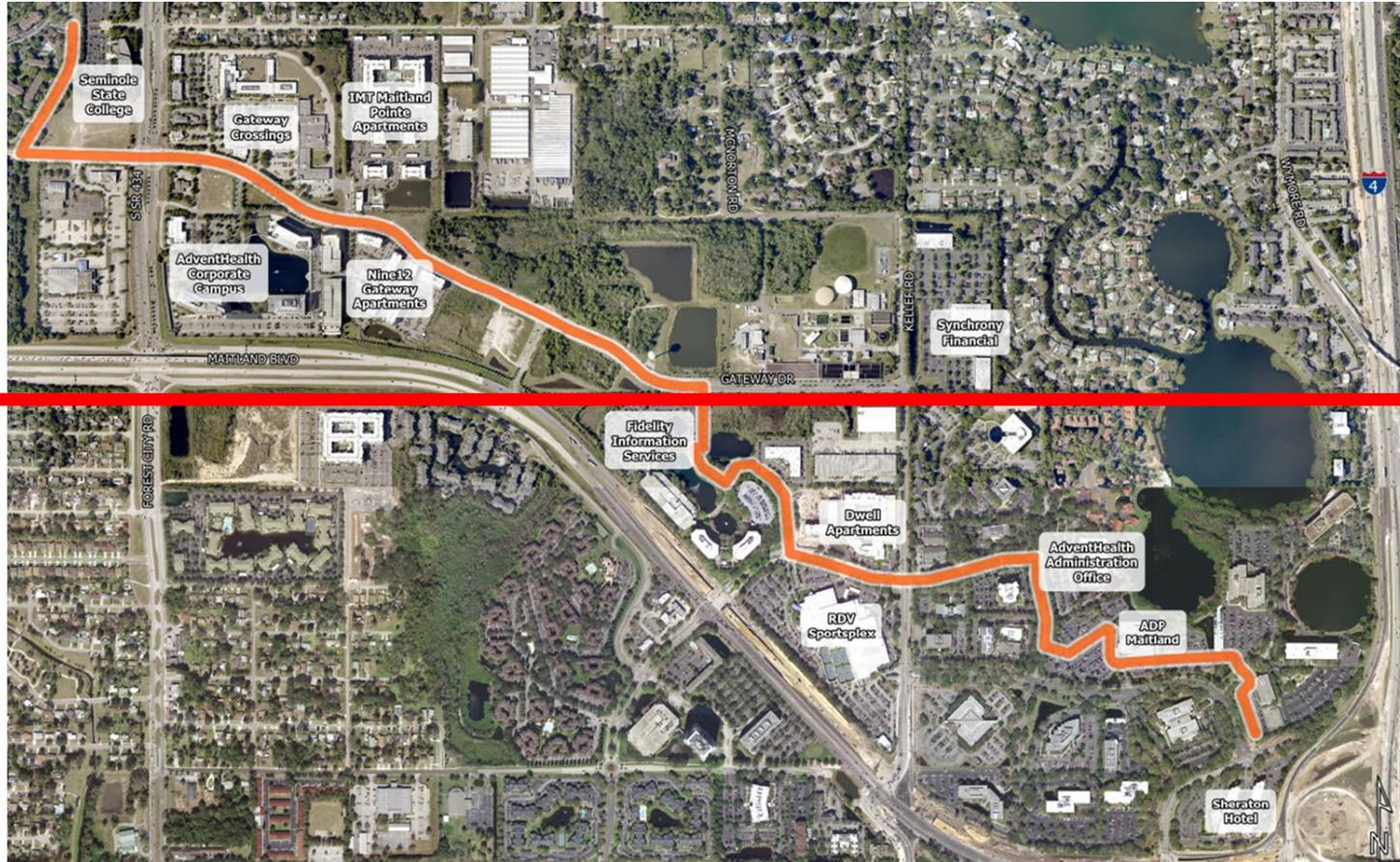
FLEXPATH & AV PROGRA



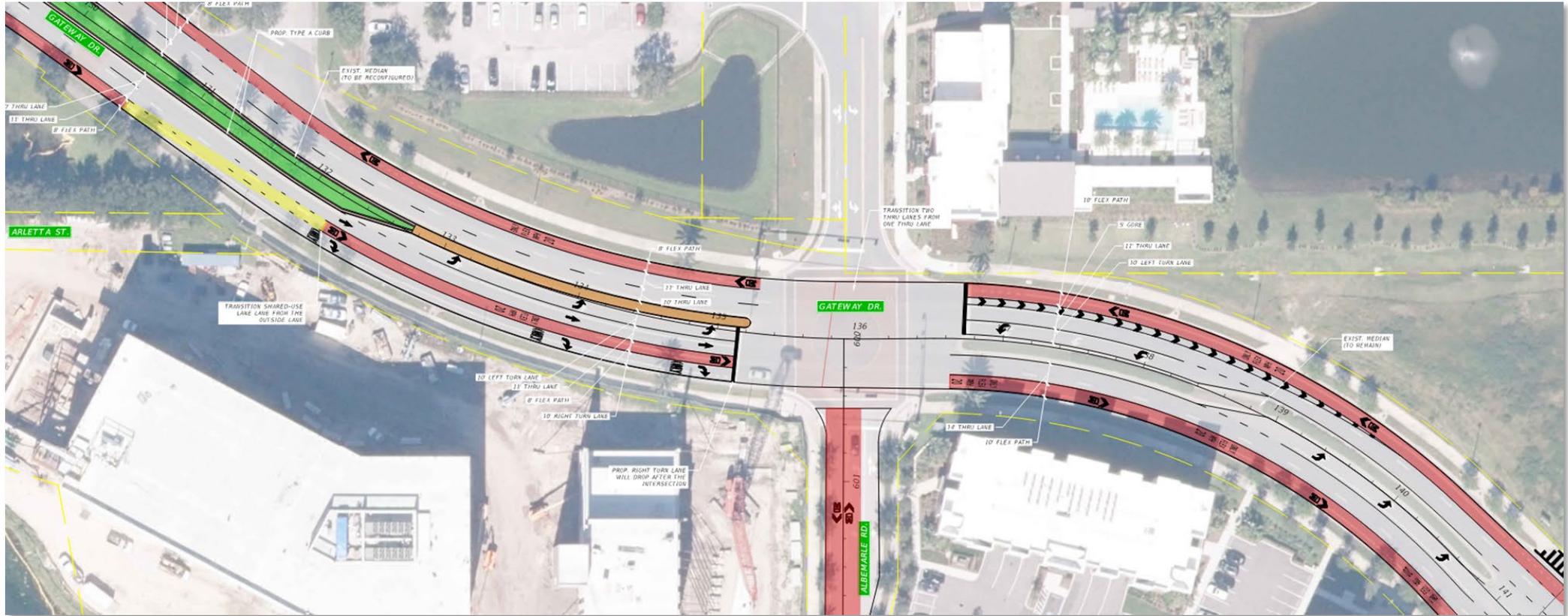
AV PROGRAM CONNECTING TO



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INNOVATION

**MODE SWITCH
IS ENHANCED BY
MULTIMODALITY**

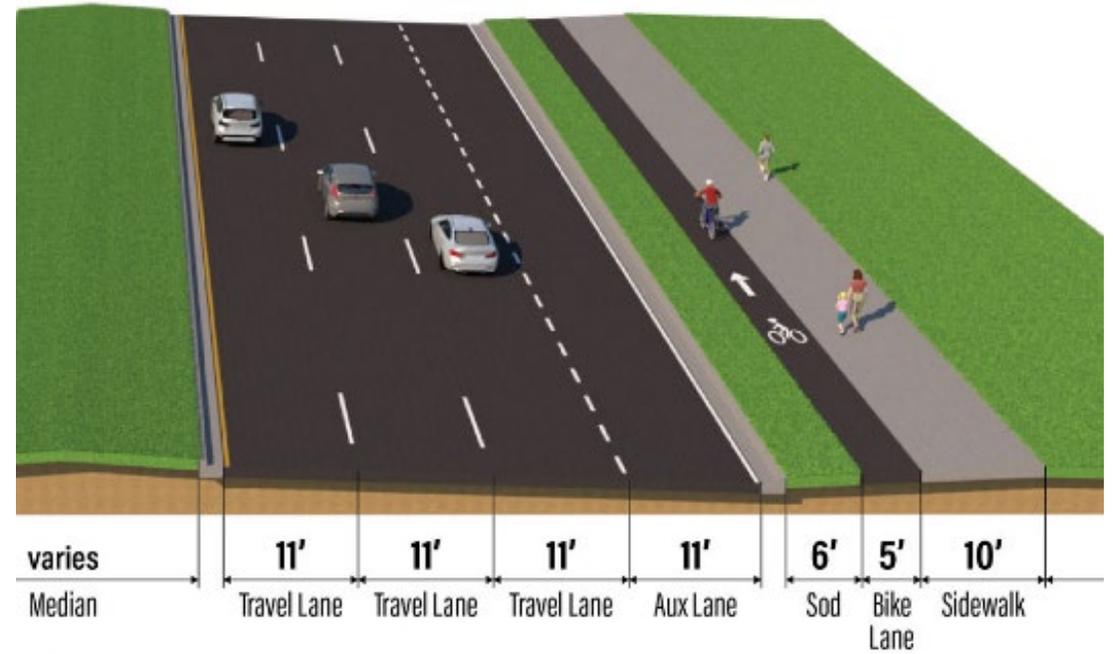
S.R. 436 COMPLETE ST



Existing



When Completed



PED & BICYCLE IMPROVE

Orienta Avenue - Before



Orienta Avenue - After



PED & BICYCLE IMPROVEMENTS

Festival Drive Before



Festival Drive - After



PED & BICYCLE IMPROVEMENTS

Northlake Boulevard Before



Northlake Boulevard - After

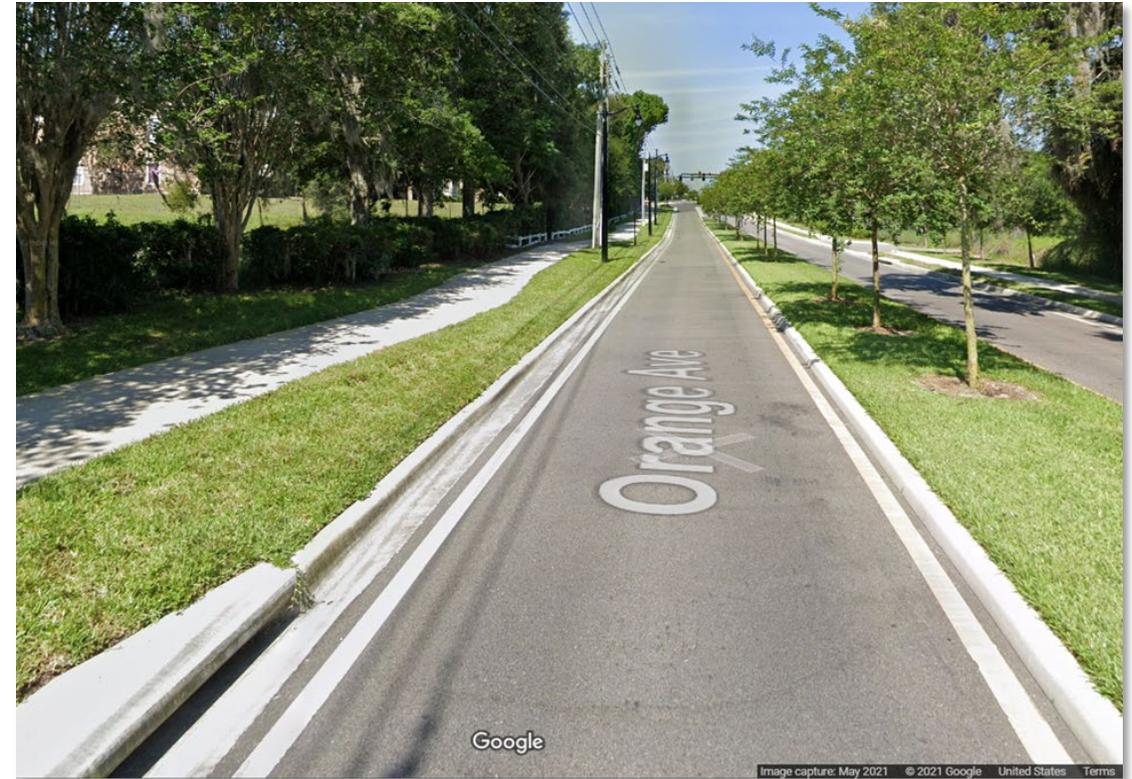


PED & BICYCLE IMPROVEMENTS

Orange Avenue Before



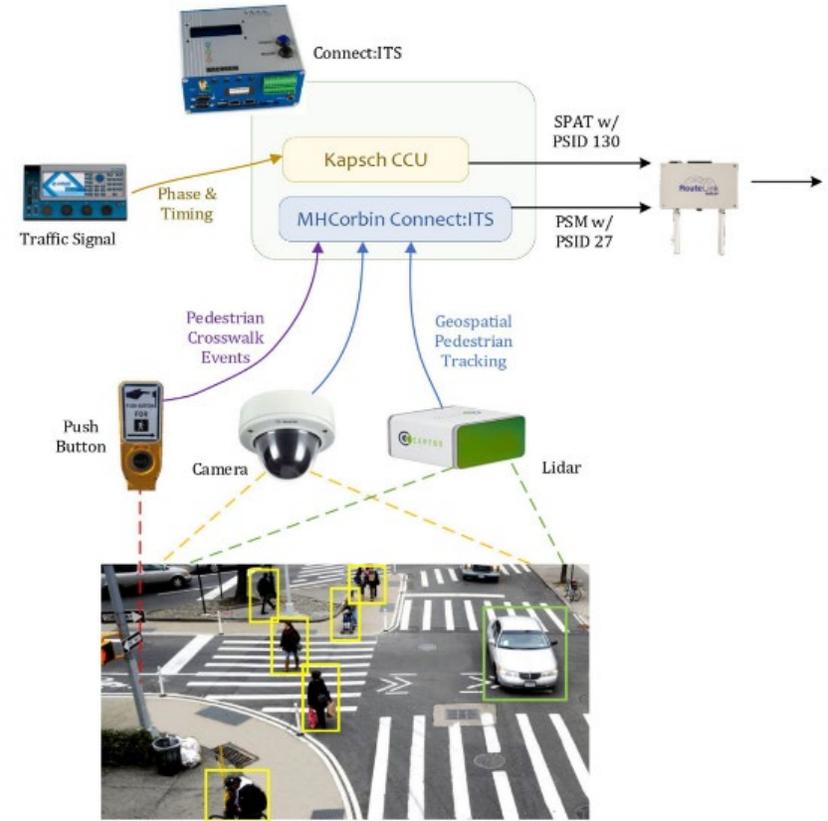
Orange Avenue - After



S.R. 436 PED SAFE



Figure 1: SR 436 PedSafe Project - Location



BE OF SERV

BECOME A TEACHER

COMMUNITY FOCUSED



Senior Program

Altamonte Springs is committed to providing quality, fun and beneficial programs to the senior community. Our newly-expanded program features weekly activities such as games and social events, exercise classes, sports and day trips to area attractions.



Special Needs Program

Altamonte Springs Special Needs, in partnership with The Advisory Board for the Disabled, Inc., provides social and recreational activities at a minimal cost to individuals with mental or physical disabilities, ages 13 and up in Altamonte Springs and surrounding communities.



Parks & Recreation

The City has more than 224 acres of developed park land which hosts youth, adult, senior and special needs sports, activities and programs. Amenities include playgrounds, pavilions and civic centers. They are natural gathering places for the community.

COMMUNITY FOCUSED



Altamonte Baseball Academy

The ABA provides a year-round program combining expert instruction, innovative training programs, cutting-edge techniques and high-tech amenities to educate, motivate and inspire young athletes. The program operates at Eastmonte Park, a state-of-the-art facility with six baseball fields (five of which are lighted and three feature synthetic turf) and a full-service practice facility, which includes practice infields, pitching lanes and batting tunnels. The ABA offers:

- Spring & Fall League Play
- Spring & Summer Training Sessions
- Preseason Training
- Offseason Clinics
- Sandlot Saturdays
- Summer Pass
- Private Instruction
- Travel Teams & Tournaments

COMMUNITY FOCUSED



Events in Cranes Roost Park

Cranes Roost Park at Uptown Altamonte is one of Central Florida's premier outdoor park venues with more than one million guests visiting annually. The park is host to many events that cater to a variety of age groups and demographics including large annual events such as Altamonte Springs' Independence Day celebration Red Hot & Boom, to small private events for invited guests only.

There are multiple areas within the park that can provide an ideal setting for any event. The Eddie Rose Amphitheater, floating stage, Plaza and Cranes Roost Boulevard all are well equipped to host weddings, private parties, corporate functions, fundraising walkathons, musical concerts, foodie events and festivals.

SMART CITIES MUST BE HEALTHY CITIES



Feeling Whole in Altamonte Springs

The City of Altamonte Springs and AdventHealth have long collaborated to create a strong, healthy and flourishing community that influences positive change. We've developed a special alliance in the spirit of service to connect residents and visitors to cutting-edge medical services, education and forward-thinking programs. This partnership aims to promote whole-person wellness to improve the quality of life in our community. By bringing wholistic wellness to where families and friends live, work and play, #FeelingWholeinAltamonteSprings provides a life of better health and happiness.



THE ALTAMONTE WAY

Altamonte Springs is a city born of innovation and progressive ideas. It is commonplace to hear about governments doing the same thing, the same way. The City strives to enhance and build creative programs for the evolving needs of the community. It is widely known not only for thinking and acting outside of the box, but doing so as a part of a daily work ethic. It is an aspect of what is called the “Altamonte Way.”



Fiscal
Responsibility



Economic
Development



Innovative
Ideas



Community
Focused



Partnerships
& Collaborations



THANK YOU!

Frank Martini, City Manager

(407) 571-8031

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