



Interoffice Memorandum

February 28, 2022

TO: Mayor Jerry L. Demings
-AND-
County Commissioners

FROM: Joseph C. Kunkel, P.E., Director, Public Works Department

CONTACT PERSON: **Humberto L. Castellero, P.E., PTOE, Manager**
Traffic Engineering Division

PHONE NUMBER: **(407) 836-7891**

SUBJ: **Approval of the Local Agency Program Supplemental Agreement with the Florida Department of Transportation for the Orange County Traffic Signal Cabinets Upgrade Project**

Submitted for approval and execution is a Local Agency Program Supplemental Agreement between Orange County and the State of Florida Department of Transportation (FDOT) for the Orange County Traffic Signal Cabinets Upgrade Project. The project, funded by the Federal Highway Administration, is to design the upgrade of traffic signal cabinets at 164 intersections to the latest standards. It will also include installation of uninterruptible power supply cabinets and communication switches at additional intersections.

Upgrading traffic signal cabinets will replace existing cabinets, which have expired service life, with new cabinets that can house additional equipment and comply with the latest FDOT standards. It will also improve maintenance efficiency and prepare the County for adding new devices to allow data collection, tracking performance measures, and interface with connected and autonomous vehicles.

The purpose of the Supplemental Agreement is to reduce federal and local funding to an amount equal to the negotiated design contract amount. The total estimated cost for design of this project was \$700,258, however, the negotiated design contract amount is \$686,098. The federal funding is now 100% with no cost to the County.

The County Attorney's Office and the Public Works Traffic Engineering Division have reviewed the Local Agency Program Agreement and find it acceptable.

Action Requested: Approval and execution of State of Florida Department of Transportation Local Agency Program Supplemental Agreement for the Orange County Traffic Signal Cabinets Upgrade Project. There is no cost to the County. All Districts.

JCK/HLC/HEA/dar

Attachments

APPROVED BY ORANGE
COUNTY BOARD OF COUNTY
COMMISSIONERS

**LOCAL AGENCY PROGRAM
SUPPLEMENTAL AGREEMENT**

525-010-32
PROGRAM MANAGEMENT
08/19

BCC Mtg. Date: April 5, 2022

SUPPLEMENTAL NO.
1

FEDERAL ID NO. (FAIN)
D521 080 B

CONTRACT NO.
G2389

FEDERAL AWARD DATE
12/1/2021

FPN
448728-1-38-01

RECIPIENT DUNS NO./ ENTITY ID SAM NO.
06-479-7251 / ZAMZMX9ZHCM9

Recipient, Orange County and the Florida Department of Transportation, desires to supplement the original Agreement entered into and executed on December 20, 2021 as identified above. All provisions in the original Agreement and supplements, if any, remain in effect except as expressly modified by this supplement.

The changes to the Agreement and supplements, if any, are described as follows:

PROJECT DESCRIPTION

Name Orange County Traffic Signal Cabinets Upgrade Length N/A

Termini 171 intersections throughout Orange County

Description of Work:

This project consists of the design of traffic signal cabinet and UPS cabinet upgrades at 171 intersections throughout Orange County, including 164 signal cabinets, 50 Uninterruptible Power Supply (UPS) cabinets, and 50 Layer 2 communication switches. The upgrades are planned for the following intersections:

- Conroy Windermere Road and Hiawassee Road/Fawn Ridge Road
- Edgewater Drive (State Road 424) and Bishop Moore Drive
- John Young Parkway and Town Loop North/Substation Road
- Landstar Boulevard and Rhode Island Woods Circle/Chicago Woods Circle
- Town Center Boulevard and Orange Avenue (County Road 527)
- Apopka-Vineland Road and Boca Pointe Drive/Buena Vista Woods Boulevard
- Apopka-Vineland Road and Sand Lake Road
- Avalon Park Boulevard and Crown Hill Boulevard/Timber Springs Boulevard
- Avalon Park Boulevard and Timber Creek High School
- Beggs Road and Pine Hills Road
- Central Florida Parkway and Gateway Avenue
- Central Florida Parkway and International Drive
- Central Florida Parkway and Sea World Drive
- Clarcona Ocoee Road and Powers Drive
- Conroy Windermere Road and Turkey Lake Road/Conroy Club Drive
- Hiawassee Road and Promenade Plaza
- Orange Avenue (County Road 527) and Zell Drive
- Pine Hills Road and Hernandez Street
- Pine Hills Road and North Lane
- Wekiwa Springs Road and Welch Road
- Winter Garden Vineland Road (County Road 535) and Overstreet Road

**LOCAL AGENCY PROGRAM
SUPPLEMENTAL AGREEMENT**

- Colonial Drive East (State Road 50) and Goldenrod Road (State Road 551)
- Goldenrod Road (State Road 551) and Bates Road
- Lake Underhill Road and Pinar Drive
- Apopka Vineland Road and Bayside Drive/Torrey Pines Trail
- Apopka Vineland Road and Point Cypress Drive/Phillips Landing Boulevard
- Beggs Road and Overland Road
- Central Florida Parkway and Galvin Drive
- Clarcona Ocoee Road and Adair Street/West Street
- Conroy Windermere Road and Chain of Lakes School
- Conroy Windermere Road and Hutchinson Morely Road
- Conroy Road (State Road 15) and Shenandoah Elementary School
- Daetwyler Drive and Jetport Drive/McCoy Road
- Dean Road and Cypress Springs Parkway North
- Dean Road and Flowers Drive
- Dr. Phillips Boulevard and Pin Oak Drive
- Dr. Phillips Boulevard and Southwest Middle School
- Edgewater Drive and Clarcona Ocoee Road
- Edgewater Drive and Magnolia Homes Road
- Edgewater Drive and Rose Avenue/Beggs Road
- Goldenrod Road (State Road 551) and Sun Vista Way
- Hiawassee Road and Highland Lakes Plaza
- Orange Blossom Trail South (US 441) and Holden Avenue
- Pershing Avenue and Redditt Road
- Pershing Avenue and Woodgate Boulevard
- Town Center Boulevard and Town Loop Boulevard
- Wekiwa Springs Road and Votaw Road
- Central Florida Parkway and Discovery Cove
- Lake Underhill Road and Econlockhatchee Trail
- Town Center Boulevard and Balcombe Road/Hawkeye Drive
- Turkey Lake Road and Central Florida Parkway/Palm Parkway
- Americana Boulevard and Texas Avenue
- Central Florida Parkway and Sea Harbor Drive
- Central Florida Parkway and Westwood Boulevard
- Curry Ford Road (State Road 552) and Goldenrod Road (State Road 551)
- Orange Blossom Trail North (US 441) and Jones Avenue
- Orange Blossom Trail North (US 441) and Sadler Avenue
- Orange Blossom Trail South (US 441) and Kaley Avenue
- Old Winter Garden Road and Pine Hills Road
- Semoran Boulevard (State Road 436) and Banchory Drive
- Semoran Boulevard (State Road 436) and Hanging Moss Road
- Silver Star Road (State Road 438) and Apopka Vineland Road
- Silver Star Road (State Road 438) and Dardanelle Drive
- Silver Star Road (State Road 438) and Hastings Street/Sherringham Road
- Silver Star Road (State Road 438) and Kingsland Drive
- Silver Star Road (State Road 438) and Mercy Drive
- Silver Star Road (State Road 438) and Pine Hills Road
- Silver Star Road (State Road 438) and Willow Bend Boulevard/Ashland Boulevard
- US 192/State Road 530/West Irlo Bronson Memorial Parkway and Lindfields Boulevard
- US 192/State Road 530/West Irlo Bronson Memorial Parkway and West Orange Lake Boulevard
- Americana Boulevard and Rio Grande Avenue
- Apopka Vineland Road and A.D. Mims Road
- Apopka Vineland Road and Woodbreeze Boulevard
- Dean Road and Buck Road/Kendal Drive
- Good Homes Road and White Road
- Hiawassee Road and Balboa Drive/Vernon Street
- Hiawassee Road and Hennepin Street
- Hiawassee Road and Hiawassee Oak Drive

**LOCAL AGENCY PROGRAM
SUPPLEMENTAL AGREEMENT**

- International Drive and Vineland Avenue
- Magnolia Homes Road and Riverside Park Road
- Orange Blossom Trail North (US 441) and Roger Williams Road/Victor Drive
- Orange Blossom Trail South (US 441) and 29th Street
- Orange Blossom Trail South (US 441) and 39th Street
- Orange Blossom Trail South (US 441) and Americana Boulevard
- Old Winter Garden Road and Ferguson Drive
- Old Winter Garden Road and Mercy Drive/Ortman Drive
- Rio Grande Avenue and Michigan Avenue
- Winter Garden Vineland Road (County Road 535) and Vista Boulevard
- Apopka Vineland Road and Balboa Drive
- Apopka Vineland Road and Darlene Drive
- Apopka Vineland Road and Pinewood Elementary School
- Boggy Creek Road and State Road 417 Greenway Eastbound Off-Ramp
- Bumby Avenue and Kaley Avenue
- Clarcona Ocoee Road and Pine Hills Road
- Clarcona Ocoee Road and Rose Avenue
- Clarcona Ocoee Road and State Road 429 Northbound Ramps
- Clarcona Ocoee Road/West Road and State Road 429 Southbound Ramps
- Clay Avenue and Minnesota Avenue
- Colonial Drive East (State Road 50) and County Road 13/6th Street
- Colonial Drive West (State Road 50) and State Road 429 Northbound Off Ramp (East)
- Colonial Drive West (State Road 50) and State Road 429 Southbound Off Ramp (West)
- Conway Road (State Road 15) and Michigan Street East
- Curry Ford Road and Bumby Road
- Curry Ford Road and Primrose Drive/Peel Avenue
- Dean Road and McCulloch Road/Lake Georgia Drive
- Dean Road and State Road 408 East/West Expressway
- Dean Road and Winder Trail
- Dr. Phillips Boulevard and Wallace Road
- Edgewater Drive and Mott Avenue
- Forest City Road (State Road 434) and All American Boulevard/Kennedy Avenue
- Forest City Road (State Road 434) and Calumet Drive
- Forest City Road (State Road 434) and Pembroke Drive
- Forest City Road (State Road 434) and Riverside Park Road
- Gatlin Road and Dixie Bell Drive
- Gemini Boulevard and Centaurus Drive
- Gemini Boulevard and Libra Drive
- Good Homes Road and State Road 408 Westbound Ramps
- Hansel Avenue (State Road 527) and Hoffner Avenue
- Harrell Road and Bike Trail
- Hiawassee Road and Agape Ped Crossing
- Hiawassee Road and State Road 408 East/West Expressway Eastbound & Westbound Exits
- International Drive and Austrian Court/Via Mercado
- International Drive and Hawaiian Court North
- International Drive and Hyatt Entrance/Convention Center
- International Drive and Hyatt Hotel Crosswalk (Peabody)
- International Drive and Jamaican Court North
- International Drive and Jamaican Court South
- International Drive and Pointe Plaza Avenue
- International Drive and Samoan Court North Parking Garage
- John Young Parkway and Old Winter Garden Road
- John Young Parkway and State Road 528 Westbound Off Ramp
- Kaley Avenue and Westmoreland Drive
- Kennedy Boulevard and Keller Road/Mustard Seed Lane
- Kennedy Boulevard and Lake Destiny Drive
- Kennedy Boulevard and Wymore Road

**LOCAL AGENCY PROGRAM
SUPPLEMENTAL AGREEMENT**

- Lee Road (State Road 423) and Adanson Street
- Lee Road (State Road 423) and I-4 Eastbound Off Ramp
- Lee Road (State Road 423) and I-4 Westbound Off Ramp
- Lee Road (State Road 423) and Kingswood Drive
- Michigan Street and Peel Avenue
- Orange Blossom Trail North (US 441) and Spillman Drive
- Orange Blossom Trail South (US 441) and Michigan Avenue
- Oak Ridge Road and Orange Avenue (State Road 527)
- Oak Ridge Road and Winegard Road
- Ocoee Apopka Road (County Road 437) and Bike Trail
- Ocoee Apopka Road (County Road 437) and Fuller Cross Road
- Ocoee Apopka Road (County Road 437) and West Road/Crown Point Road
- Old Winter Garden Road and Ivey Lane
- Orange Avenue (County Road 527) and Bear Crossing Drive (Cypress Creek High School)
- Orange Avenue (County Road 527) and Jetport Drive
- Orange Avenue (County Road 527) and Drennan Street
- Orange Avenue (County Road 527) and Hoffner Avenue
- Pine Hills Road and Indian Hill Road
- Pointe Plaza Avenue and Pointe Orlando Parking Garage
- Powers Drive and Balboa Drive
- Rio Grande Avenue and 29th Street
- Rio Grande Avenue and Holden Avenue
- Rio Grande Avenue and Silver Star Road
- Rio Grande Avenue and Texas Avenue/43rd Street
- Sand Lake Road (State Road 482) and John Young Parkway
- Sand Lake Road (State Road 482) and Universal Boulevard
- Sand Lake Road (State Road 482) and Lake Stanley Road
- Thompson Road and Votaw Road
- Woodbury Road and Waterford Lakes Parkway
- Curry Ford Road and Dean Road/Young Pine Road
- John Young Parkway and Town Loop South
- Apopka Vineland Road and Clarcona Ocoee Road
- John Young Parkway and Consulate Drive/Southpark Center Loop
- John Young Parkway and Hunters Park Lane/Teal Pointe Drive
- Old Winter Garden Road and Good Homes Road
- Orange Avenue and Taft Vineland Road/Tradeport Drive

The above list is subject to change based on survey and feasibility. The project shall also include utility coordination, environmental analysis, maintenance of traffic design, right-of-way evaluation, survey, and permitting.

Reason for Supplement and supporting engineering and/or cost analysis:

1. Pursuant to Paragraph 4.0 Project Cost of the Local Agency Program Agreement, the Recipient and the Department acknowledge and agree that the Schedule of Financial Assistance for Design that includes the authorized and encumbered Federal funding and Local funding on the project shall be reduced to an amount equal to the Recipient's consultant contract award amount of **\$686,098.00**. This results in a reduction of total design funding by **\$14,160.00**. Federal funding is to be reduced by **\$13,902.00**, which is the difference between previous federal funding of **\$700,000.00** and the current federal funding of **\$686,098.00**. Local funding is to be reduced by **\$258.00**, which is the difference between previous local funding of **\$258.00** and the current local funding of **\$0.00**.
2. Revisions to the federal and local funding amounts attributed to the amounts referenced above are reflected in the Adjusted Exhibit "B" Schedule of Financial Assistance, and in Exhibit "E", Federal Financial Assistance (Single Audit Act), attached hereto and incorporated herein.
3. The Recipient Resolution authorizing entry into this Supplemental Agreement is attached and incorporated into this Supplemental Agreement as Exhibit "D".

**LOCAL AGENCY PROGRAM
SUPPLEMENTAL AGREEMENT**

ADJUSTED EXHIBIT "B" SCHEDULE OF FINANCIAL ASSISTANCE

RECIPIENT NAME & BILLING ADDRESS: Orange County
4200 South John Young Parkway
Orlando, Florida 32837

FINANCIAL PROJECT NUMBER: 448728-1-38-01

PHASE OF WORK By Fiscal Year	FUNDING					
	(1) PREVIOUS TOTAL PROJECT FUNDS	(2) ADDITIONAL PROJECT FUNDS	(3) CURRENT TOTAL PROJECT FUNDS	(4) TOTAL LOCAL FUNDS	(5) TOTAL STATE FUNDS	(6) TOTAL FEDERAL FUNDS
Design						
FY: 2021-2022 (LAP)	\$700,000.00	(\$13,902.00)	\$686,098.00	\$0.00	\$0.00	\$686,098.00
FY: 2021-2022 (LAP)	\$258.00	(\$258.00)	\$0.00	\$0.00	\$0.00	\$0.00
FY: (Insert Program Name)						
Total Design Cost	\$700,258.00	(\$14,160.00)	\$686,098.00	\$ 0.00	\$ 0.00	\$686,098.00
Right-of-Way						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
Total Right-of-Way Cost	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Construction						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
Total Construction Cost	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Construction Engineering and Inspection (CEI)						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
Total CEI Cost	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
(Insert Phase)						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
FY: (Insert Program Name)						
Total Phase Costs	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
TOTAL COST OF THE PROJECT	\$700,258.00	(\$14,160.00)	\$686,098.00	\$ 0.00	\$ 0.00	\$686,098.00

COST ANALYSIS CERTIFICATION AS REQUIRED BY SECTION 216.3475, FLORIDA STATUTES:

I certify that the cost for each line item budget category has been evaluated and determined to be allowable, reasonable, and necessary as required by Section 216.3475, F.S. Documentation is on file evidencing the methodology used and the conclusions reached.

Precious L. Lewis
District Grant Manager Name

Signature Date

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**LOCAL AGENCY PROGRAM
SUPPLEMENTAL AGREEMENT**

525-010-32
PROGRAM MANAGEMENT
08/19

IN WITNESS WHEREOF, the parties have executed this Agreement on the date last ascribed herein.

RECIPIENT ORANGE COUNTY

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: *Byron W. Brooks*
Name: *Byron W. Brooks*
Title: *County Administrator*

DocuSigned by:
C. Jack Adkins
By: 1752524EC337485
Name: C. Jack Adkins
Title: Director of Transportation Development
Date: 5/10/2022 | 7:50 AM EDT



Legal Review:

DocuSigned by:
Daniel McDermott
585E81E26BBA45C...

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LOCAL AGENCY PROGRAM AGREEMENT

EXHIBIT D

RECIPIENT RESOLUTION

The Recipient's Resolution authorizing entry into this Agreement is attached and incorporated into this Agreement.

APPROVED
BY ORANGE COUNTY BOARD
OF COUNTY COMMISSIONERS
SEP 28 2021

RESOLUTION
of the
ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS
regarding the
LOCAL AGENCY PROGRAM AGREEMENT
with the
FLORIDA DEPARTMENT OF TRANSPORTATION
for the
**ORANGE COUNTY TRAFFIC SIGNAL CABINETS
UPGRADE PROJECT**

Resolution No. 2021-M-45

WHEREAS, today, the Board of County Commissioners is approving a Local Agency Program Agreement with the State of Florida Department of Transportation for the Orange County Traffic Signals Upgrade Project, designated therein by the FDOT as FPN No. 448728-1-38-01; and

WHEREAS, the FDOT requires that Orange County adopt a Resolution authorizing its officials to execute this Local Agency Program Agreement on Orange County's behalf.

NOW, THEREFORE, BE IT RESOLVED BY THE ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS:

Section 1. Authorization for County Mayor to Execute Local Agency Program Agreement and any Future Supplements or Amendments. The County Mayor is hereby authorized to execute the above described Local Agency Program Agreement with the FDOT on behalf of the County, and any future supplements and amendments thereto.

Section 2. Effective date. This Resolution shall take effect on the date of its adoption.

ADOPTED this ____ day of SEP 28 2021, 2021.



ORANGE COUNTY, FLORIDA
By: Board of County Commissioners

By: *Jerry L. Demings*
Jerry L. Demings
Orange County Mayor

ATTEST: Phil Diamond, CPA, County Comptroller
as Clerk of the Board of County Commissioners

By: *Noelia Perez*
for Deputy Clerk

Print Name: Noelia Perez

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LOCAL AGENCY PROGRAM AGREEMENT**EXHIBIT E****FEDERAL FINANCIAL ASSISTANCE (SINGLE AUDIT ACT)****FEDERAL RESOURCES AWARDED PURSUANT TO THIS AGREEMENT ARE AS FOLLOWS:**

CFDA No.: 20.205
CFDA Title: Highway Planning and Construction
Federal-Aid Highway Program, Federal Lands Highway Program
CFDA Program Site: https://beta.sam.gov/fal/1093726316c3409a8e50f4c75f5ef2c6/view?keywords=20.205&sort=-relevance&index=cfda&is_active=true&page=1
Award Amount: \$686,098.00
Awarding Agency: Florida Department of Transportation
Award is for R&D: No
Indirect Cost Rate: N/A

FEDERAL RESOURCES AWARDED PURSUANT TO THIS AGREEMENT ARE SUBJECT TO THE FOLLOWING:

2 CFR Part 200 – Uniform Administrative Requirements, Cost Principles & Audit Requirements for Federal Awards

<http://www.ecfr.gov/cgi-bin/text-idx?node=2:1.1.2.2.1>

FEDERAL RESOURCES AWARDED PURSUANT TO THIS AGREEMENT MAY ALSO BE SUBJECT TO THE FOLLOWING:

Title 23 – Highways, United States Code

<http://uscode.house.gov/browse/prelim@title23&edition=prelim>

Title 49 – Transportation, United States Code

<http://uscode.house.gov/browse/prelim@title49&edition=prelim>

Map-21 – Moving Ahead for Progress in the 21st Century, Public Law 112-141

<http://www.gpo.gov/fdsys/pkg/PLAW-112publ141/pdf/PLAW-112publ141.pdf>

Federal Highway Administration – Florida Division

<http://www.fhwa.dot.gov/fldiv/>

Federal Funding Accountability and Transparency Act (FFATA) Sub-award Reporting System (FSRS)

<https://www.fsr.gov/>