Utilities Department

FY 2019-20
Budget Work Session

July 15, 2019

Presentation Outline

- Organizational Overview
- Proposed FY 2019-20 Budget
- Accomplishments
- Operational Highlights
- Capital Improvement Program
- Summary

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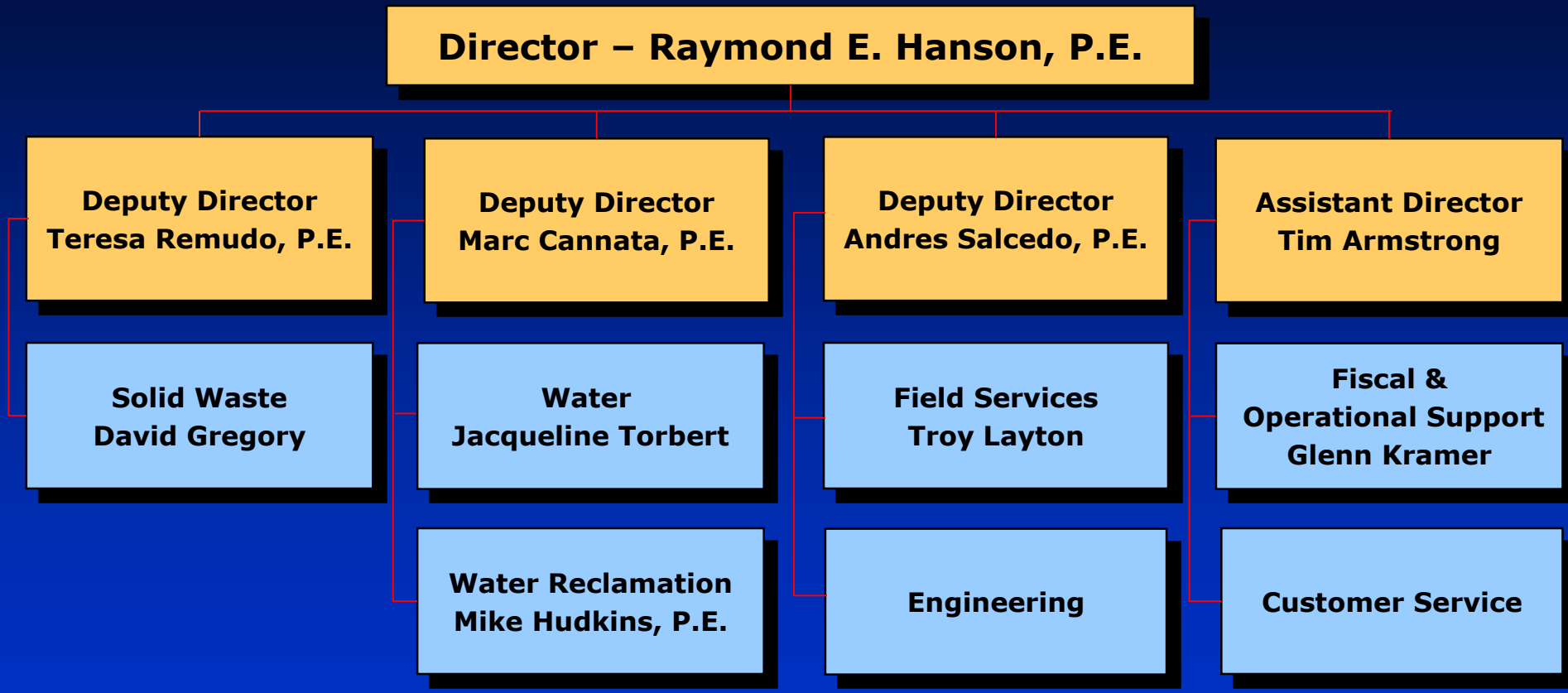
Organizational Overview



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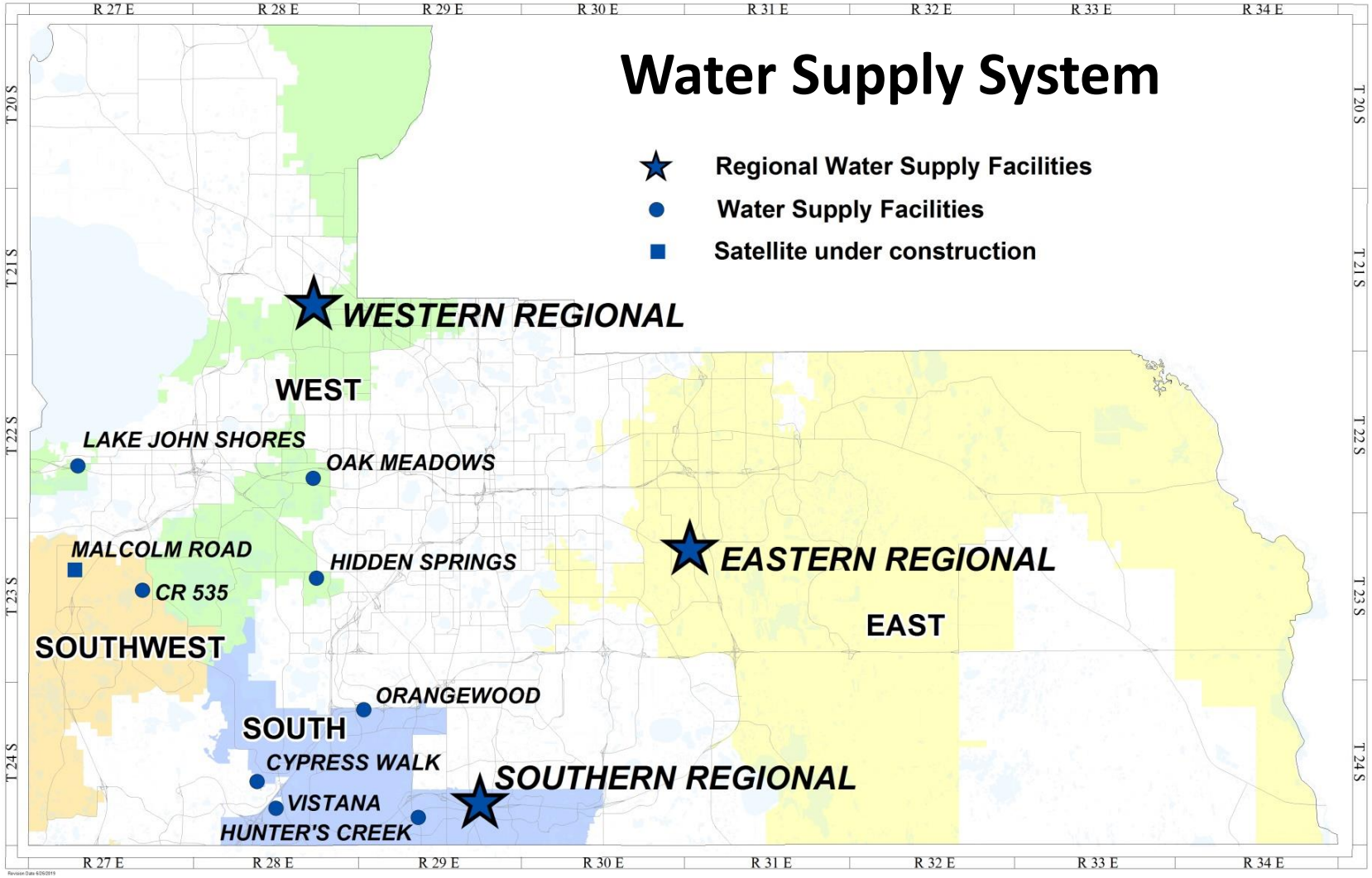

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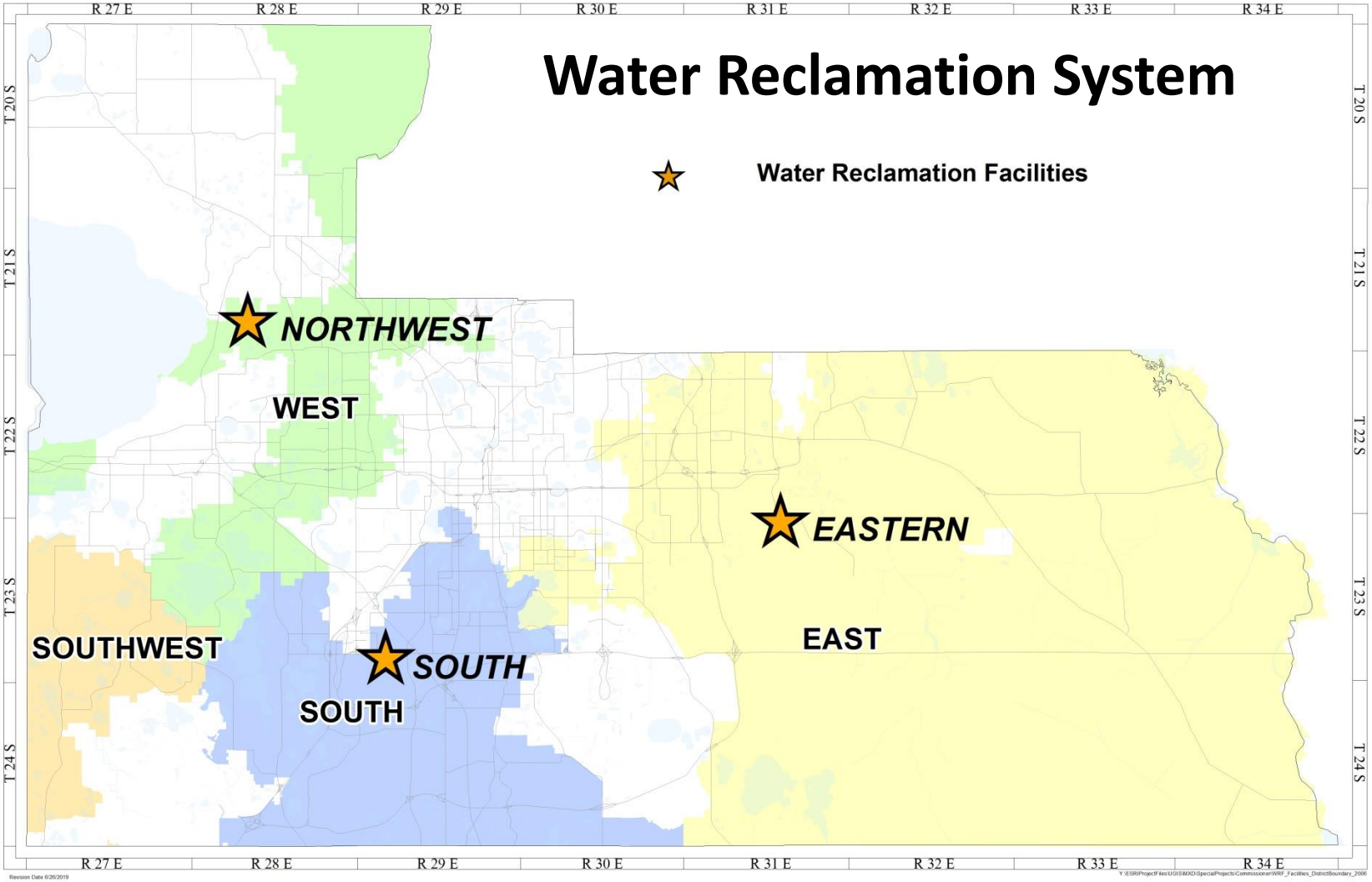

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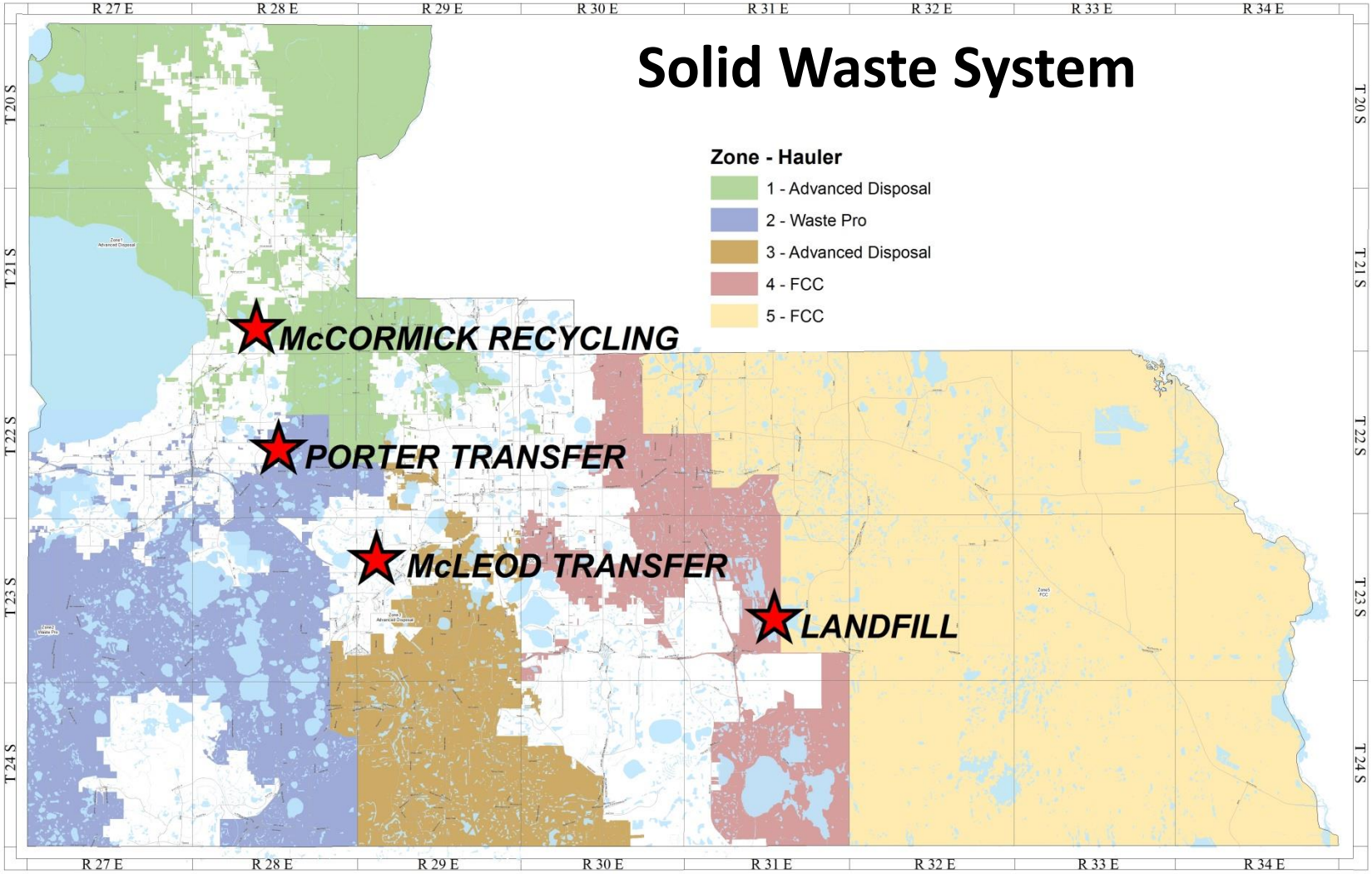

Presentation Outline

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- **Proposed FY 2019-20 Budget**
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Proposed FY 2019-20 Budget

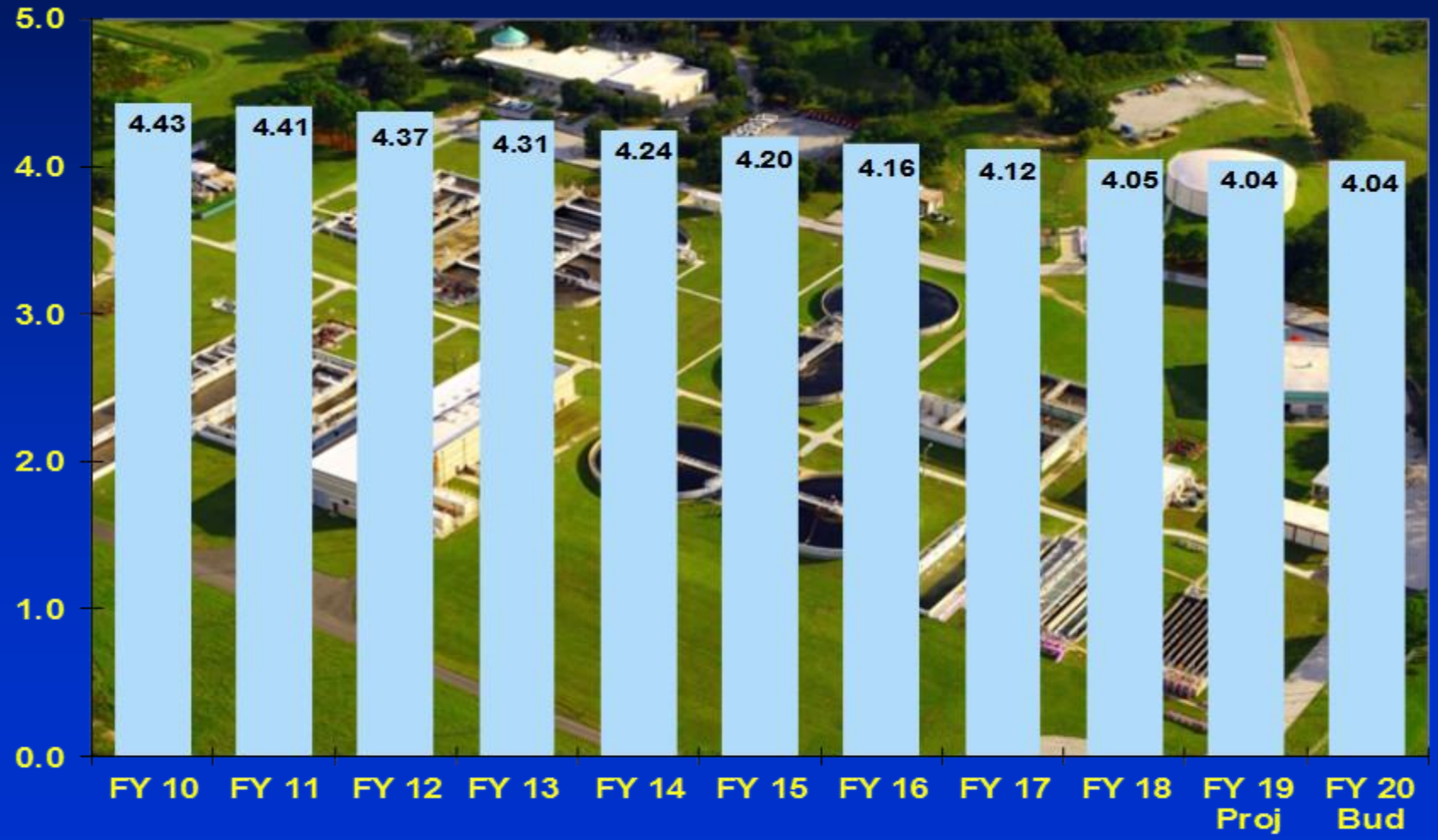
	Current FY 2019	$ Change	Proposed FY 2020
Personal Services	$68.7M	$3.4M	$72.1M
Operating Budget	$187.4M	($9.5)	$177.9M
Budget Change			(2.4%)
Staffing	974	17	991

Proposed FY 2019-20 Budget

- **Staffing Increases**
  - **Growth Related** **15 positions**
- **Transfers**
  - **From PEDS** **2 positions**

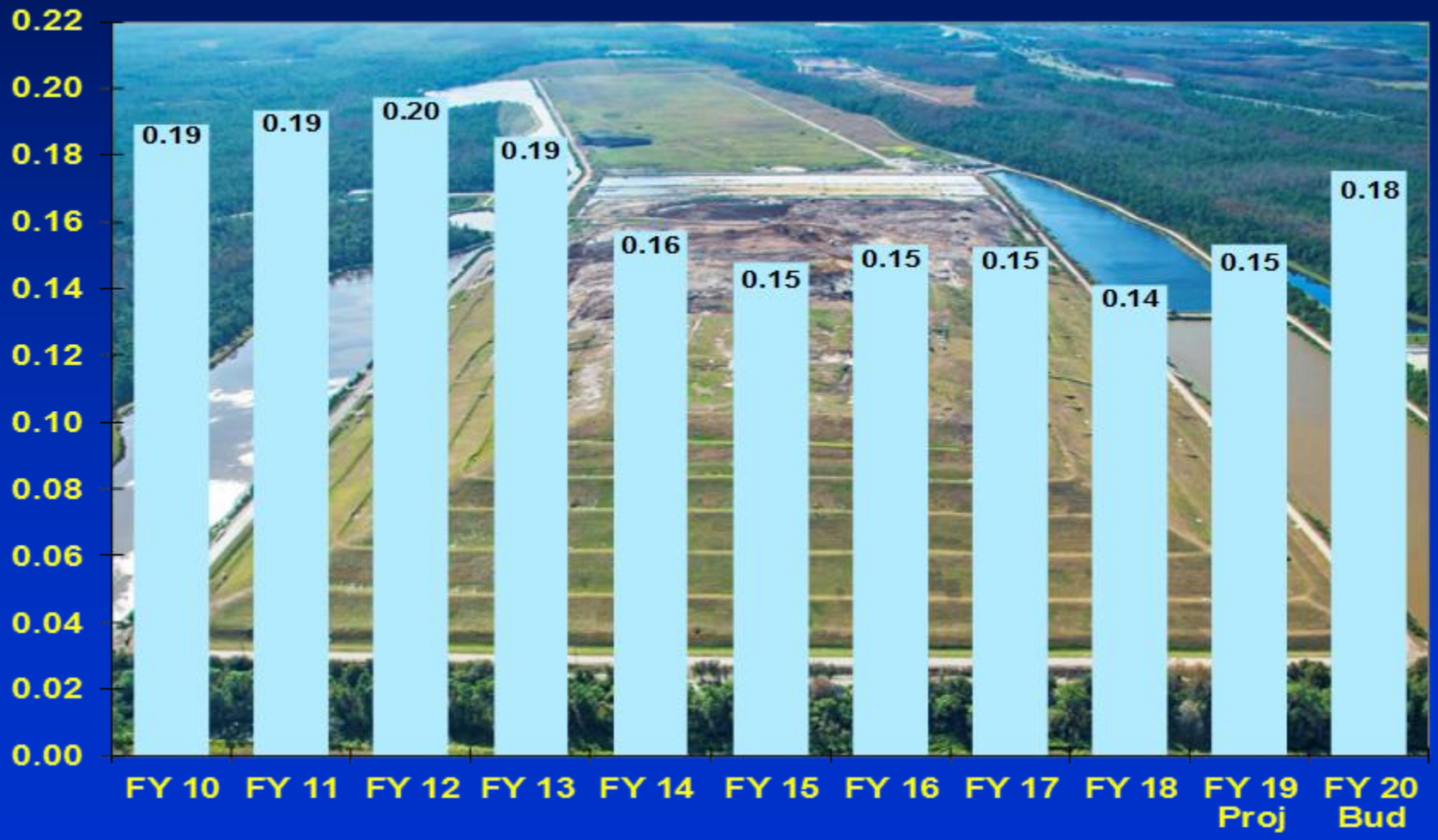
Proposed FY 2019-20 Budget

FTEs per 1,000 Water & Wastewater Customers



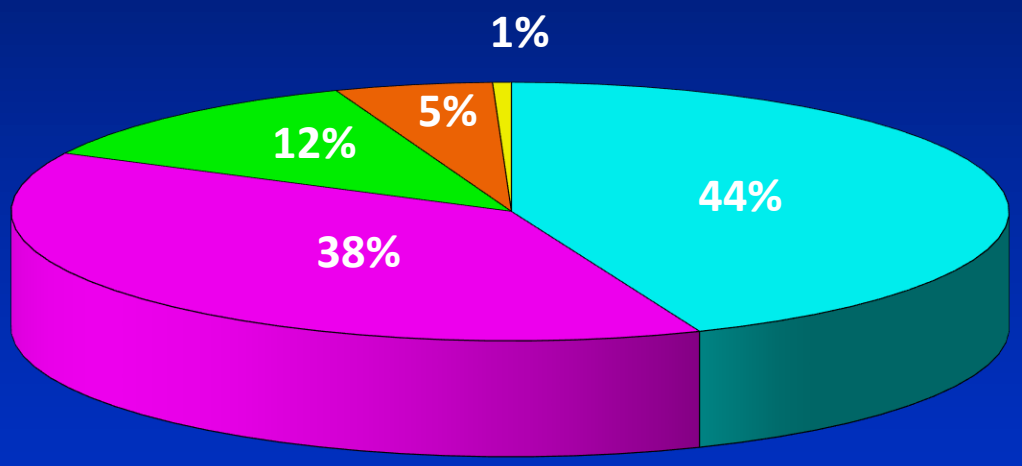
Proposed FY 2019-20 Budget

FTEs per 1,000 Tons of Solid Waste per Day



Proposed FY 2019-20 Budget

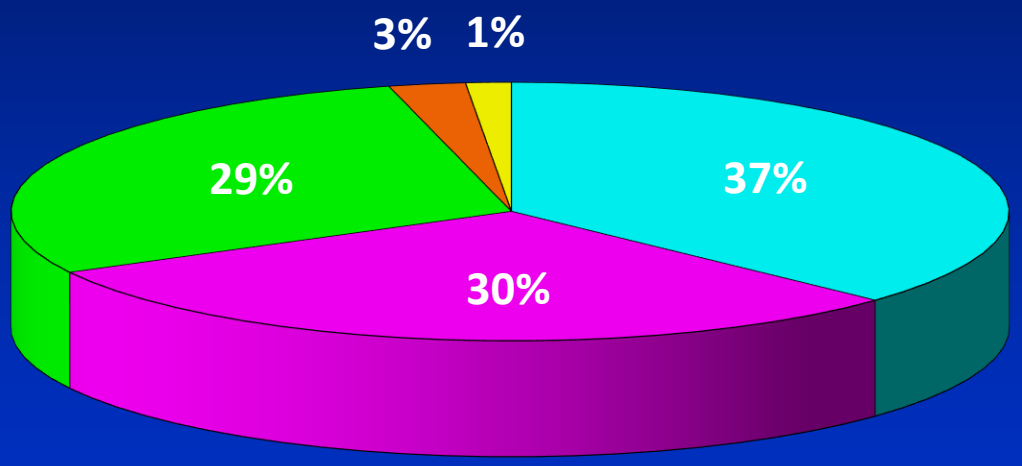
Total Utilities Revenue Budget $674.7M



- Operating $296.0M
- Cash Brought Forward $260.2M
- Bond Proceeds $80.0M
- Connection Fees $34.4M
- Interest $4.1M

Proposed FY 2019-20 Budget

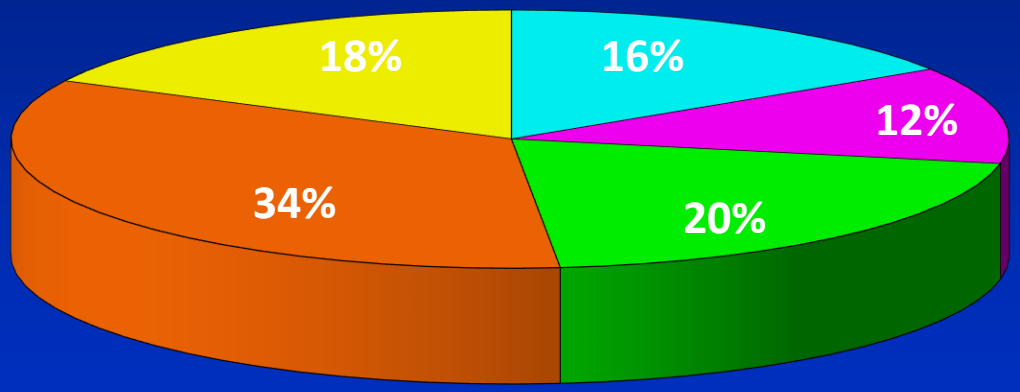
Total Utilities Expenditure Budget $674.7M



- Operating $250.0M
- Reserves $203.3M
- CIP $194.8M
- Debt Service $16.7M
- Other $9.9M

Proposed FY 2019-20 Budget

Total Utilities Operating Budget $250.0M



- Water Reclamation $39.7M
- Water $30.4M
- Field Services $51.0M
- Solid Waste $85.0M
- Support $43.9M

Proposed FY 2019-20 Budget

- **Notable Operating Budget Changes:**
  - **Mandatory Refuse Program $3.6M**
  - **Water & Wastewater System and Solid Waste System master plans $1.1M**
  - **Electricity & chemicals $1.0M**
  - **Payment transaction charges $0.7M**

Proposed FY 2019-20 Budget

	Current FY 2019	$ Change	Proposed FY 2020
Capital Improvement Projects	$184.9M	$9.9M	$194.8M
Budget Change			5.3%

Proposed FY 2019-20 Budget

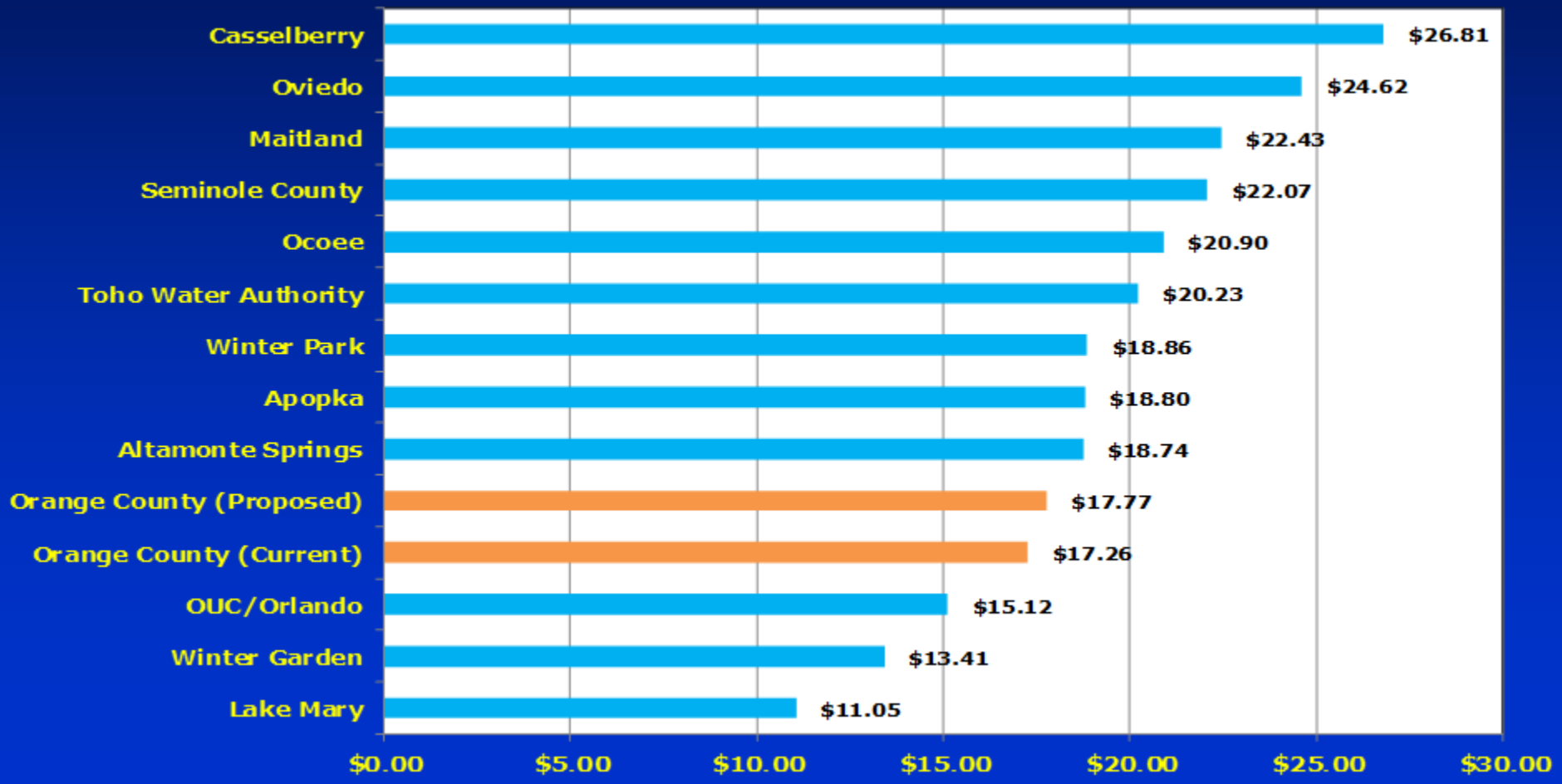
- **Water & Wastewater System CIP Funding**
  - **Potential new bond issue**
    - **Budgeted at $80.0M**
    - **May be needed toward the end of FY 2020 depending on CIP spending**
    - **Collaborate with Fiscal & Business Services and the Comptroller's Office to determine the optimal timing and sizing of a debt issue**

Proposed FY 2019-20 Budget

- 3% Rate Increase for Water & Wastewater System Rates
  - Water, wastewater, & reclaimed water rates
  - Capacity maintenance fees
- Important Source of Funding for CIP
- Continued Need for Indexing of System Rates

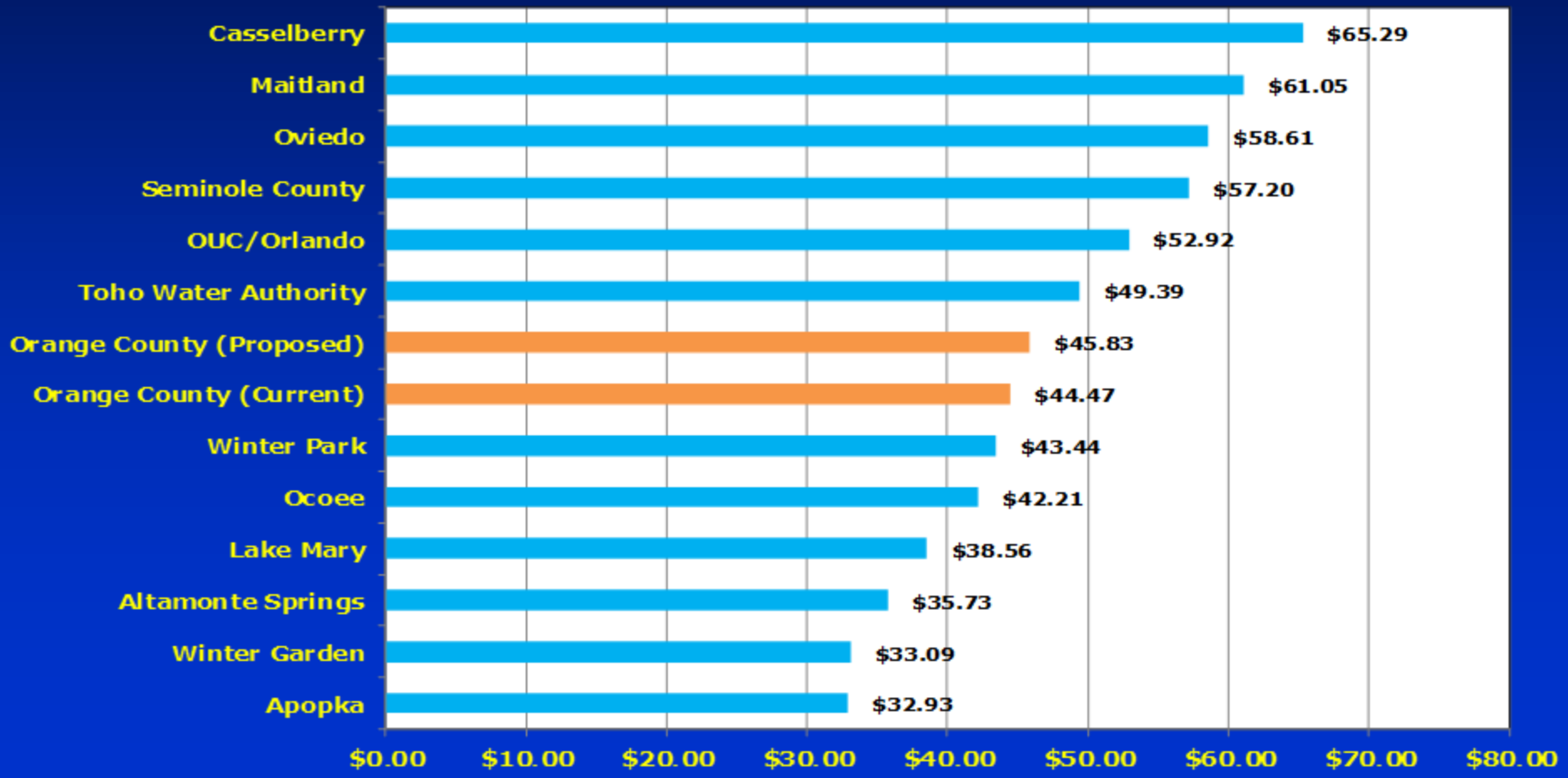
Proposed FY 2019-20 Budget

Monthly Water Bill Comparison
Single-Family Residential Service (7,000 gallons)



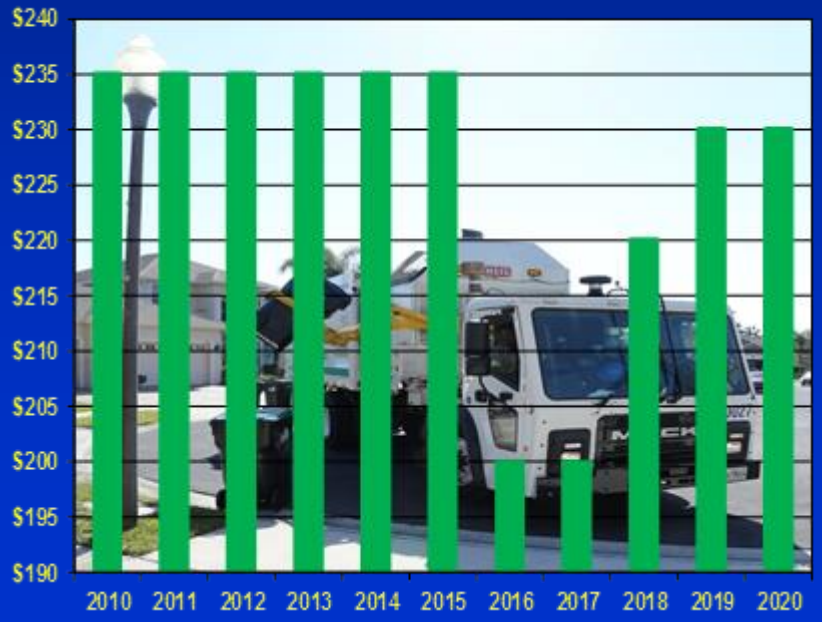
Proposed FY 2019-20 Budget

Monthly Wastewater Bill Comparison
Single-Family Residential Service (7,000 gallons)



Proposed FY 2019-20 Budget

- **Mandatory Refuse and Recycling MSBU**
  - **Tentative rate set in June at $230.00 per household**
  - **Includes projected recycling cost increases**



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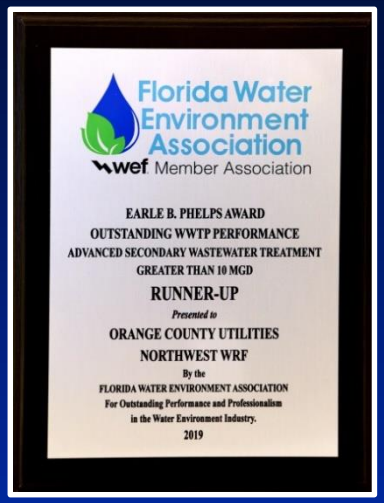
Accomplishments

- 2019 FWEA Earle B Phelps Runner-Up Award: Northwest Water Reclamation Facility
- 2018 AWWA Florida Section Water Conservation Award for Excellence Best in Class
- 2019 NACo Achievement Award for Sustaining Potable Water Through the Water Wise Neighbor Program



Accomplishments

- 2019 FPRA – Orlando Area Chapter Award of Distinction and Judges Award: Recycling Quality Improvement Program Public Relations Campaign
- 2018 FWEA/FBC Benchmarking Award for Outstanding Performance and Professionalism in the Water Environment Industry and Benchmarking Results

Accomplishments

- Extension of SJRWMD Consumptive Use Permit by 10 years due specifically to conservation efforts
- Completed Phase 5 Expansion Project of the 24 MGD Eastern Water Reclamation Facility with a budgeted construction cost of $62M
- Completed design and began construction of the $24M 8.6 MGD Malcolm Road Water Supply Facility

Accomplishments

- Completed design of the new 5 MGD Hamlin Water Reclamation Facility and Hamlin Master Pump Station in Horizon West with a budgeted construction cost of $112M
- Completed approximately 6,800 plan reviews of new development projects with 97% completed within processing time guidelines

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Operational Highlights

- **Solid Waste System**
  - New cell construction and transfer station projects
  - New P3 materials recovery facility contract
- **Water Supply**
  - Working with partners to develop, manage and implement long-term water supply and water resource solutions
  - Long-term funding for alternative water supply projects

Operational Highlights

- **Current and Future Initiatives:**
  - Continued priority on customer service
  - Building capacity to serve future growth
  - Substantial investment in renewal and replacement of infrastructure
  - Water supply and conservation
  - Recycling programs

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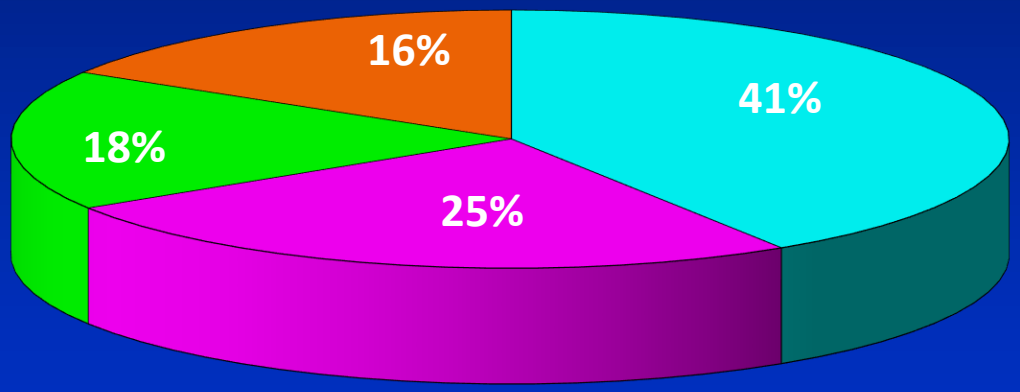
Capital Improvement Program

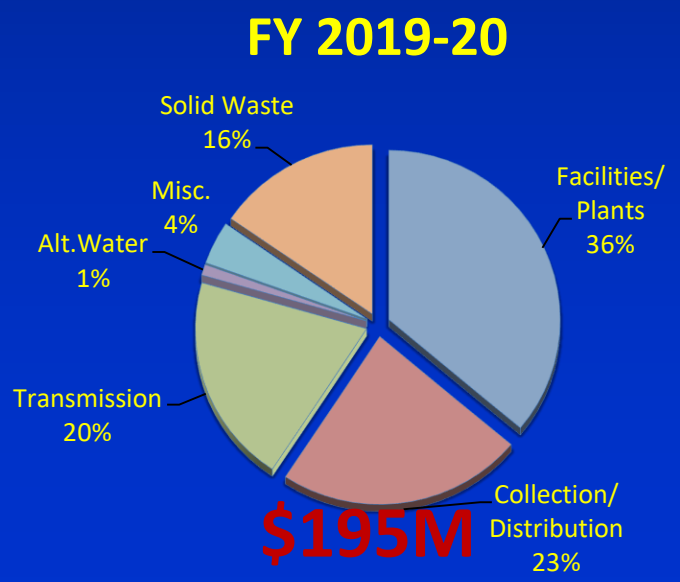
Utilities CIP Funding by Source
Total Utilities CIP Budget $194.8M

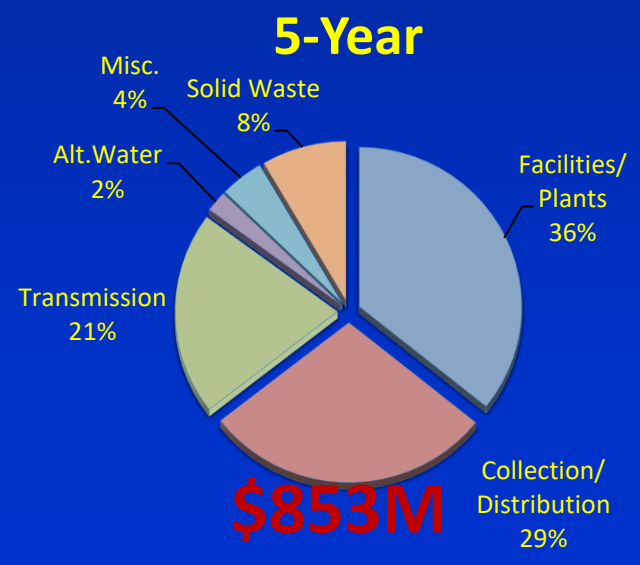


- Bond Funding $80M
- Existing Cash $49M
- Connection Fees $34M
- Current Year Rate Revenue $32M

Capital Improvement Program

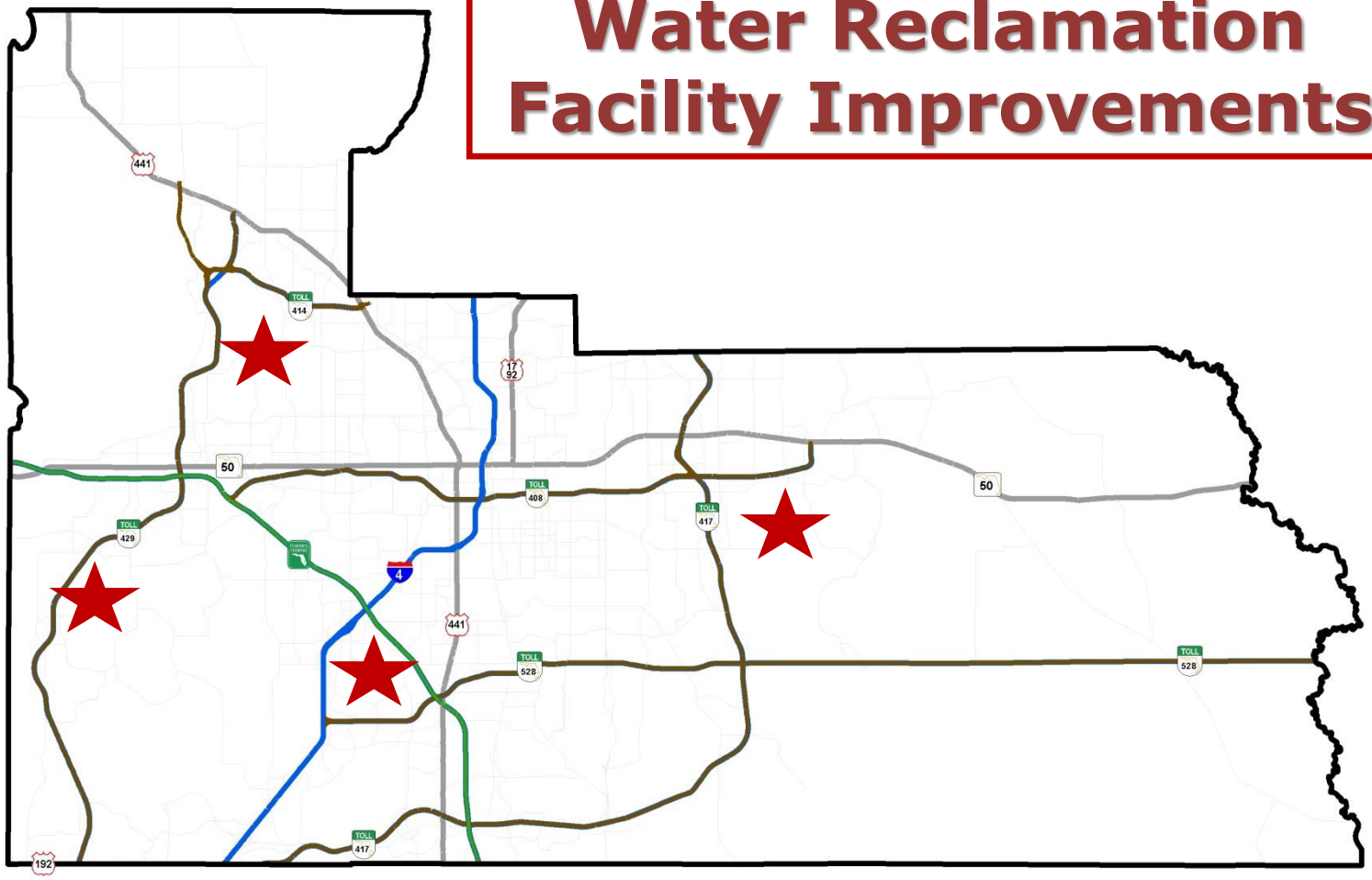
	FY2019-20	5-Year
Facilities/Plants	$70M	$305M
Collection/Distribution	$45M	$245M
Transmission	$39M	$176M
Alternative Water	$2M	$18M
Miscellaneous	$8M	$37M
Solid Waste	$30M	$72M





Capital Improvement Program

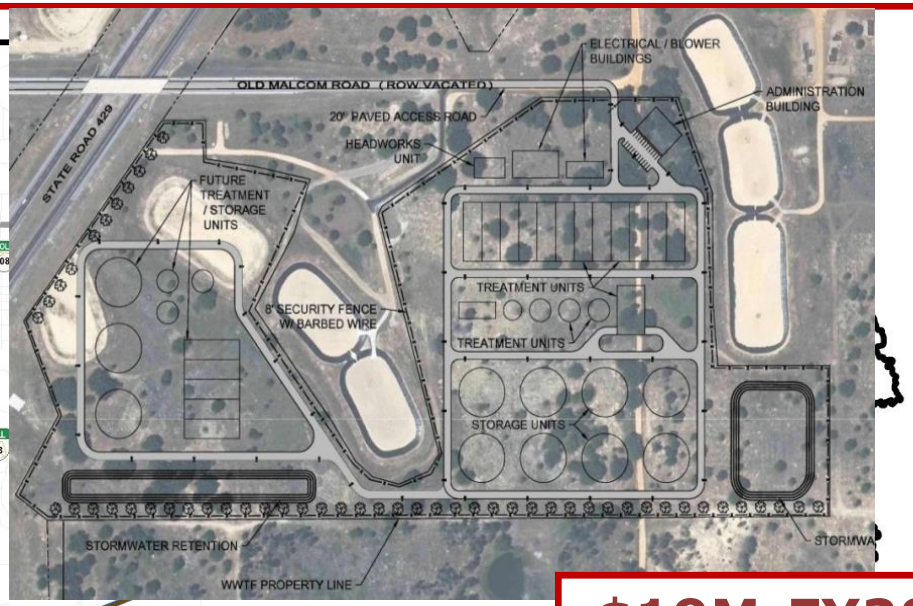
Water Reclamation Facility Improvements



Capital Improvement Program

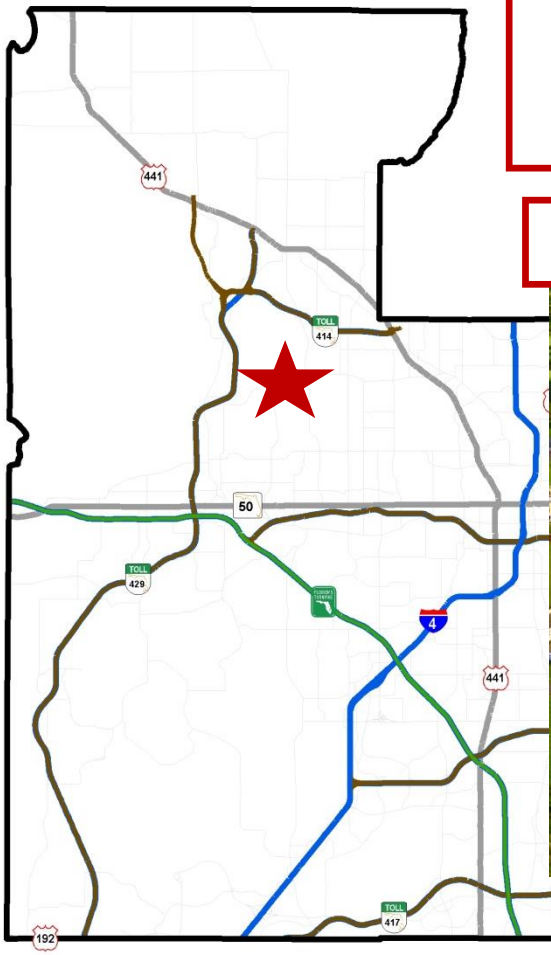
Water Reclamation Facility Improvements

New Hamlin Facility (HWRF)



$19M-FY20
$105M-5-Yr

Capital Improvement Program



Water Reclamation Facility Improvements

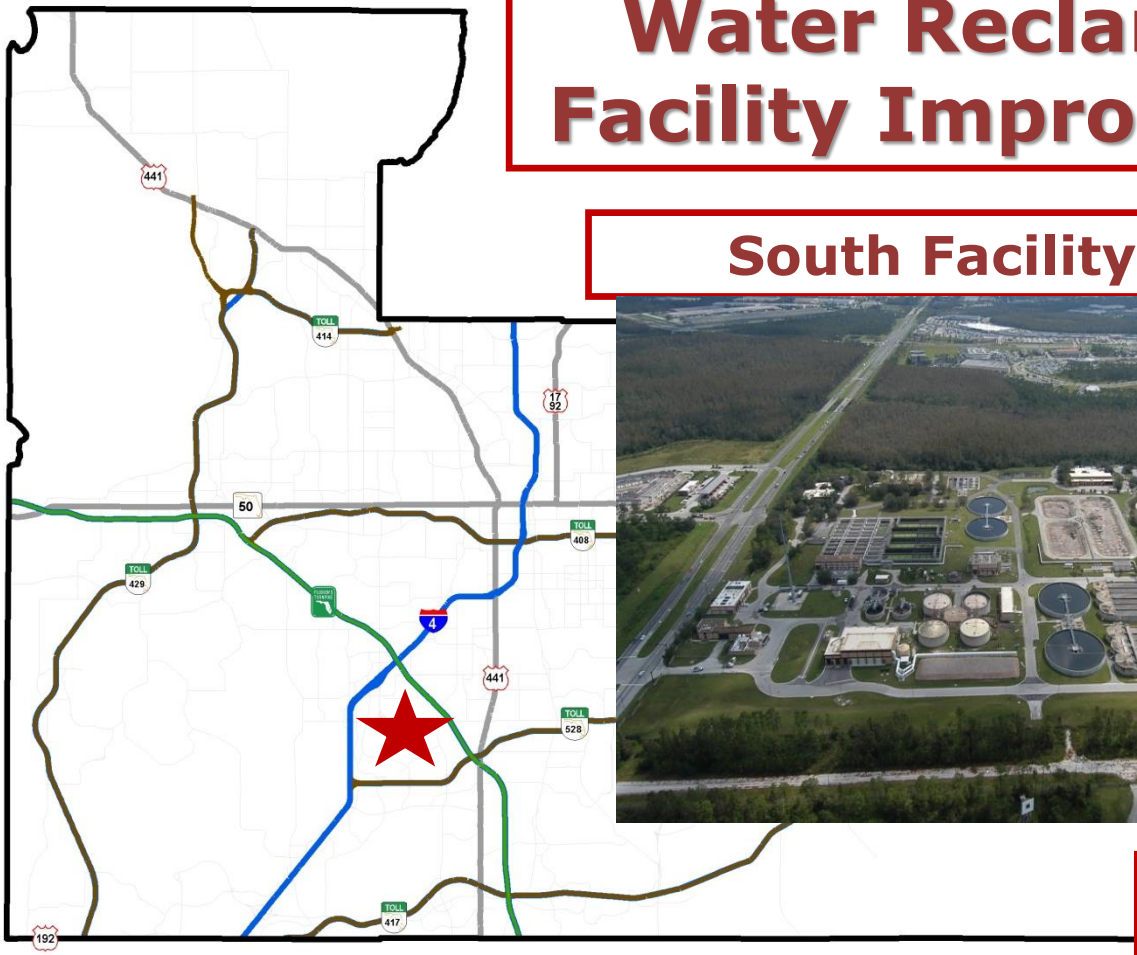
Northwest Facility (NWRF)

$2M-FY20
$7M-5-Yr

Capital Improvement Program

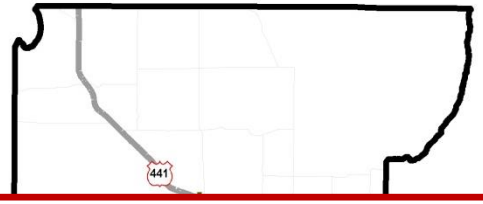
Water Reclamation Facility Improvements

South Facility (SWRF)



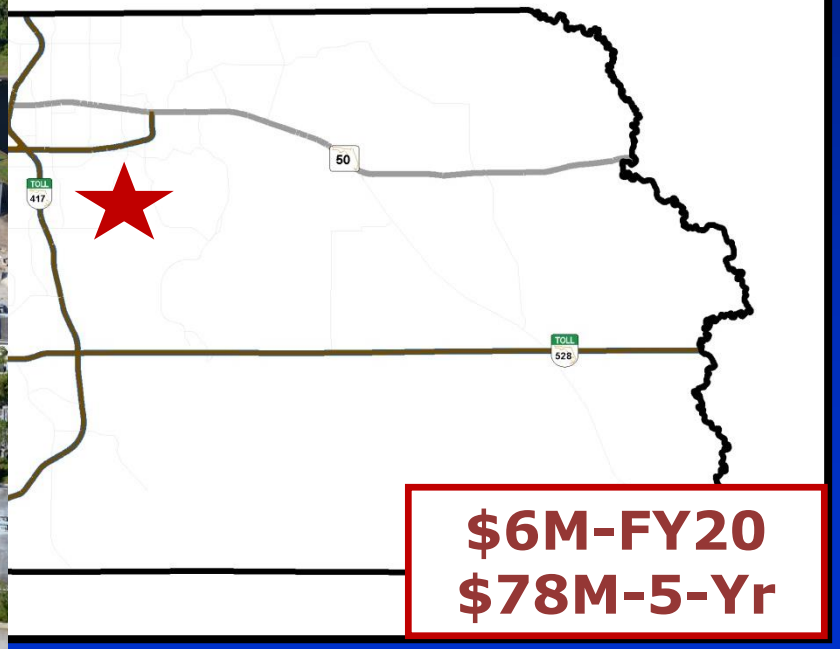
$19M-FY20
$64M-5-Yr

Capital Improvement Program



Water Reclamation Facility Improvements

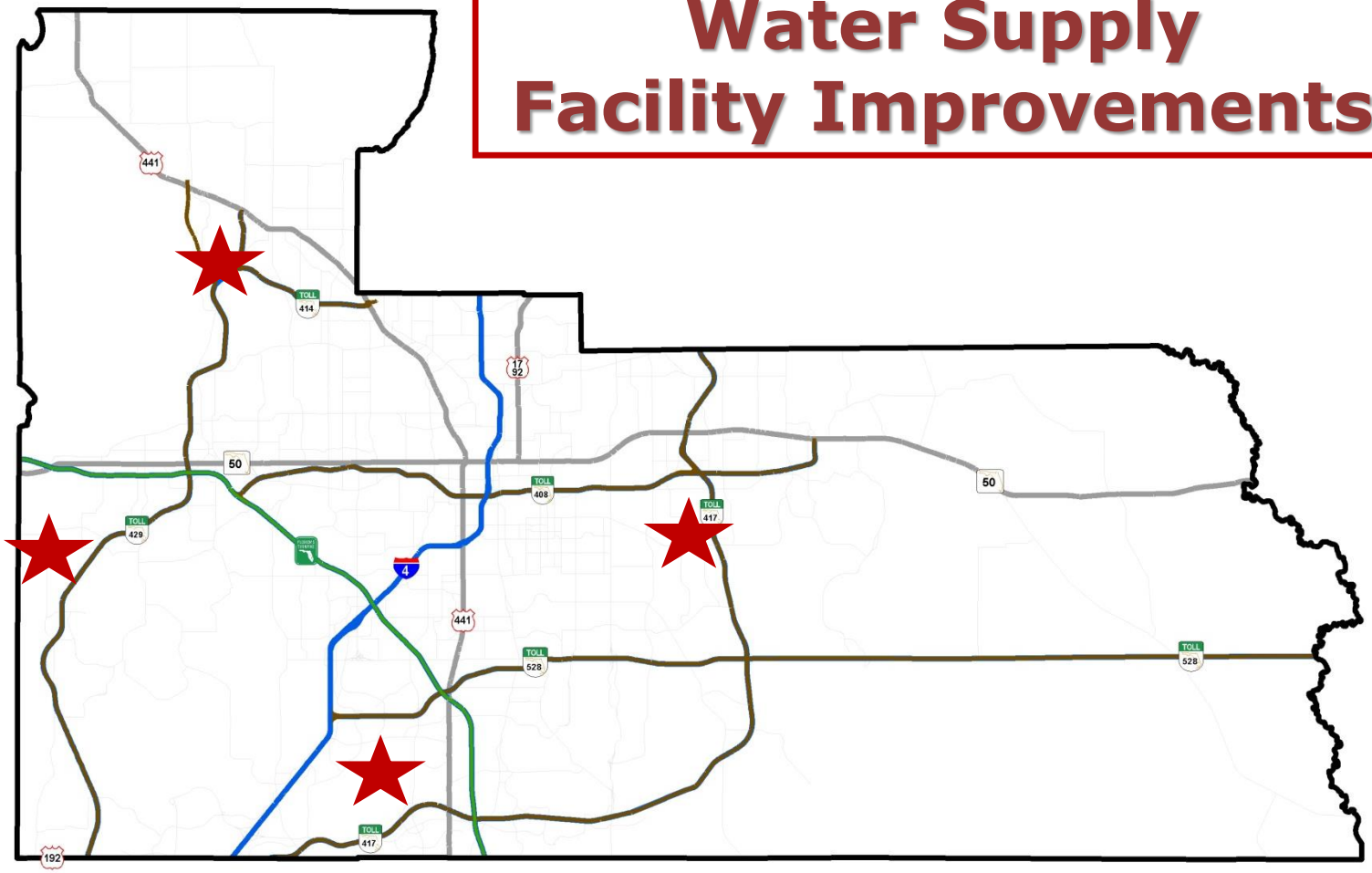
Eastern Facility (EWRF)



$6M-FY20
$78M-5-Yr

Capital Improvement Program

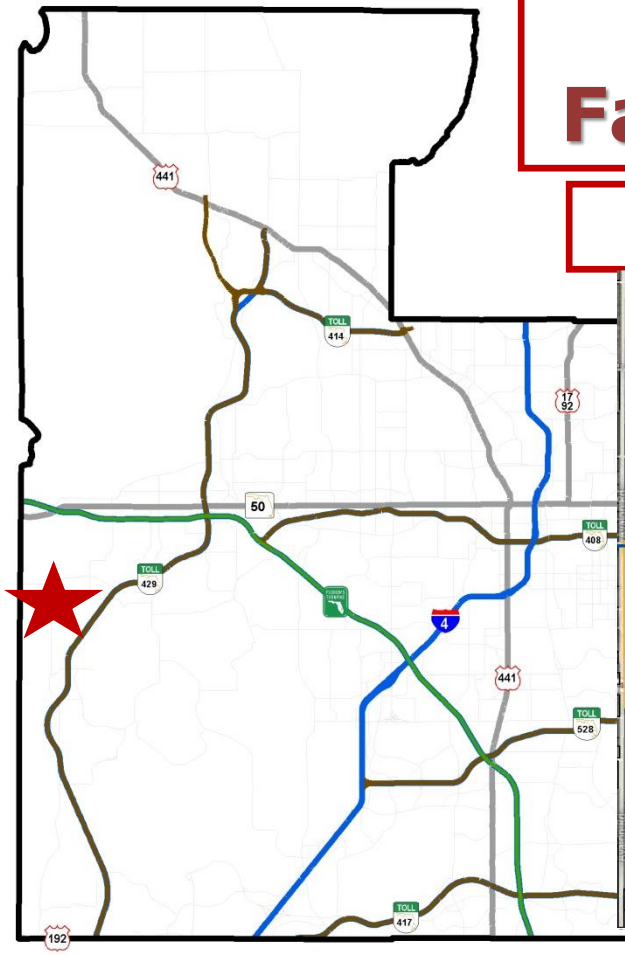
Water Supply Facility Improvements

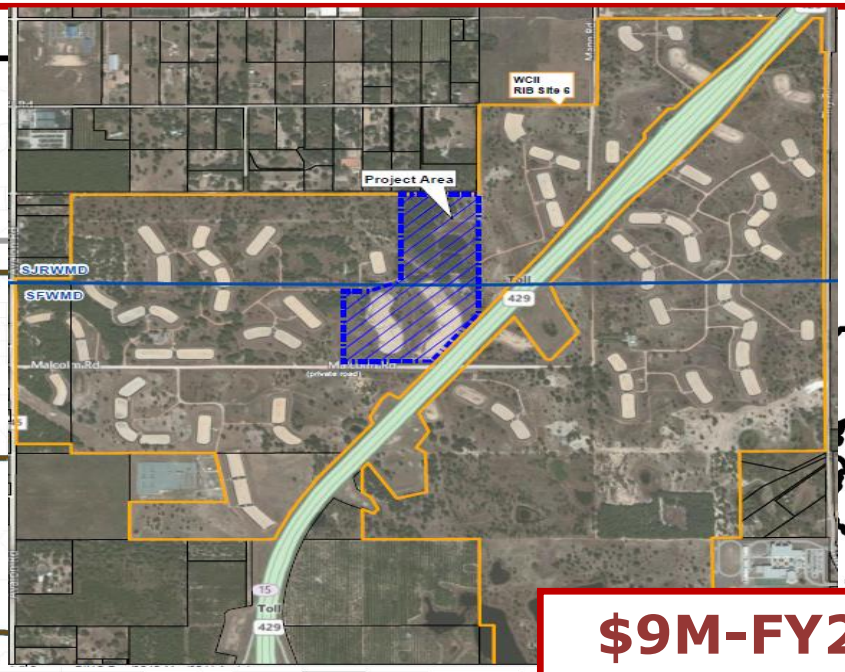


Capital Improvement Program

Water Supply Facility Improvements

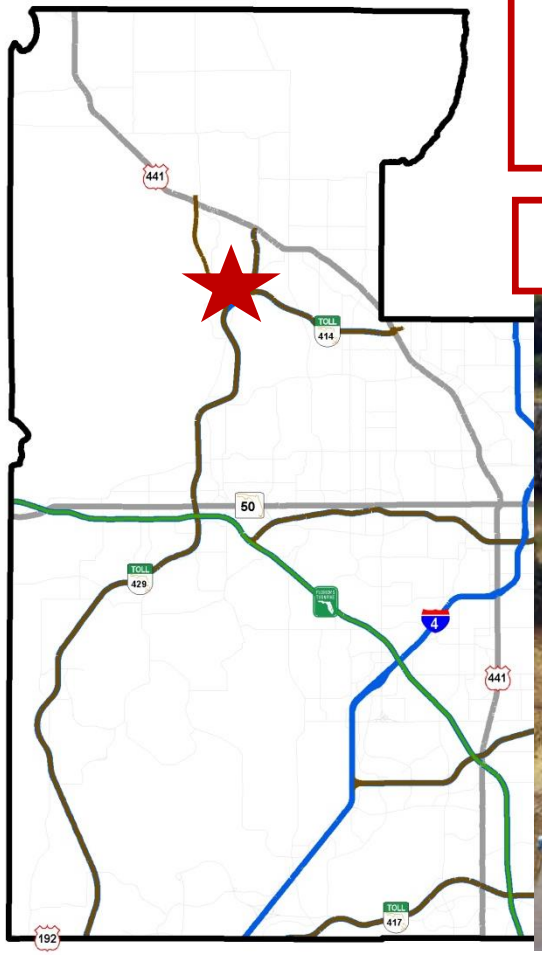
New Malcolm Road Facility





$9M-FY20
$13M-5-Yr

Capital Improvement Program



Water Supply Facility Improvements

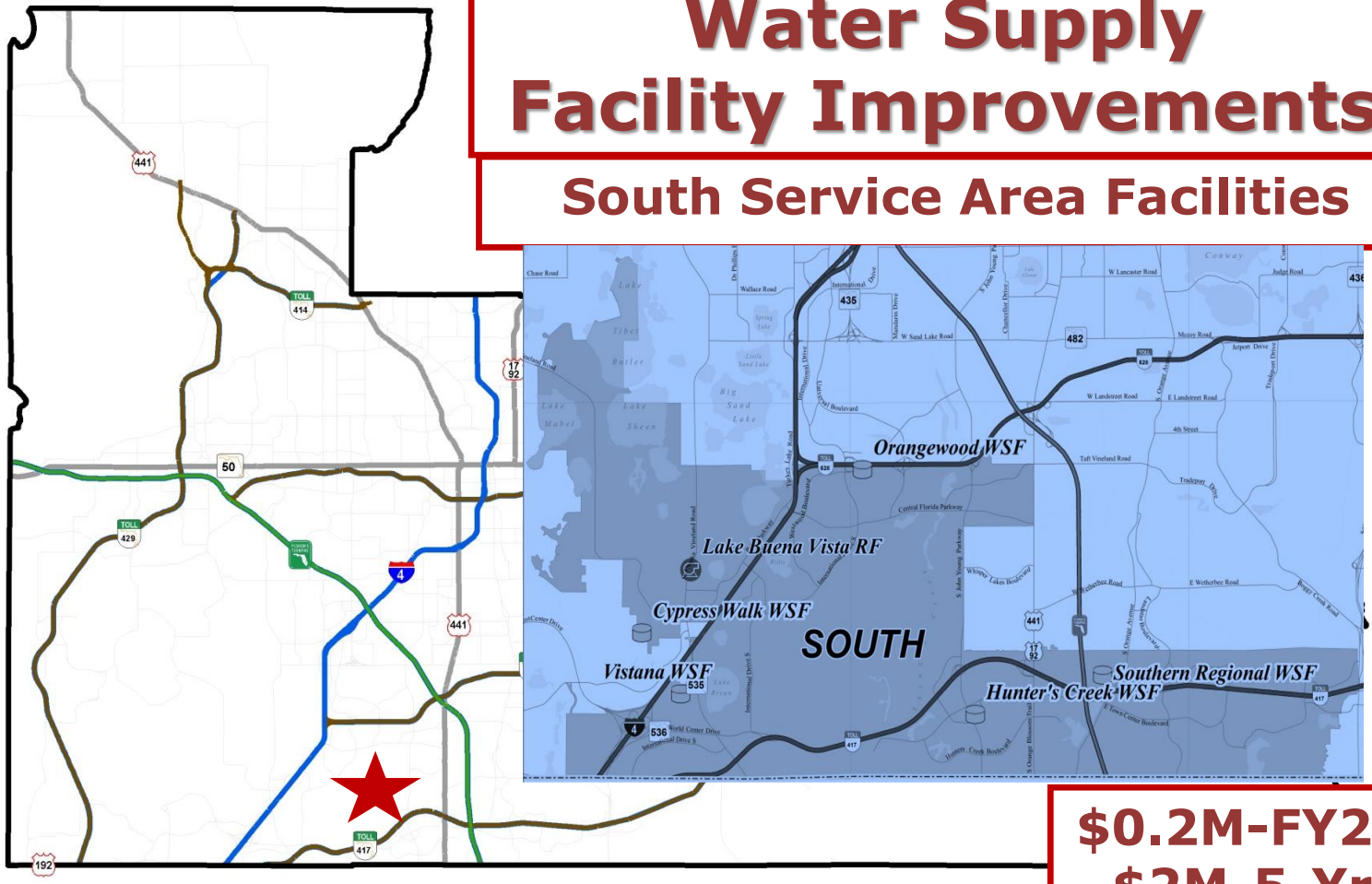
Western Regional Facility

$5M-FY20
$11M-5-Yr

Capital Improvement Program

Water Supply Facility Improvements

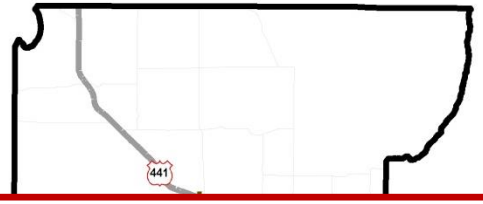
South Service Area Facilities



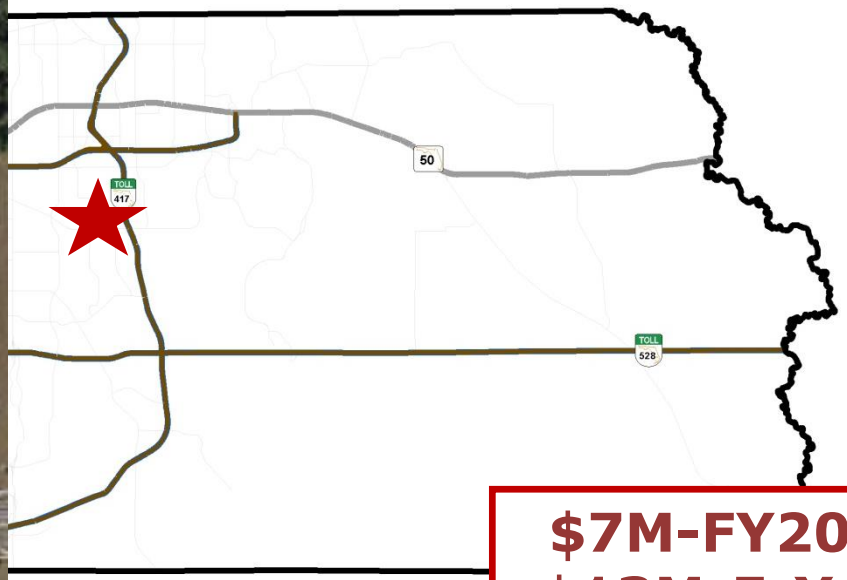
$0.2M-FY20
$2M-5-Yr

Capital Improvement Program

Water Supply Facility Improvements



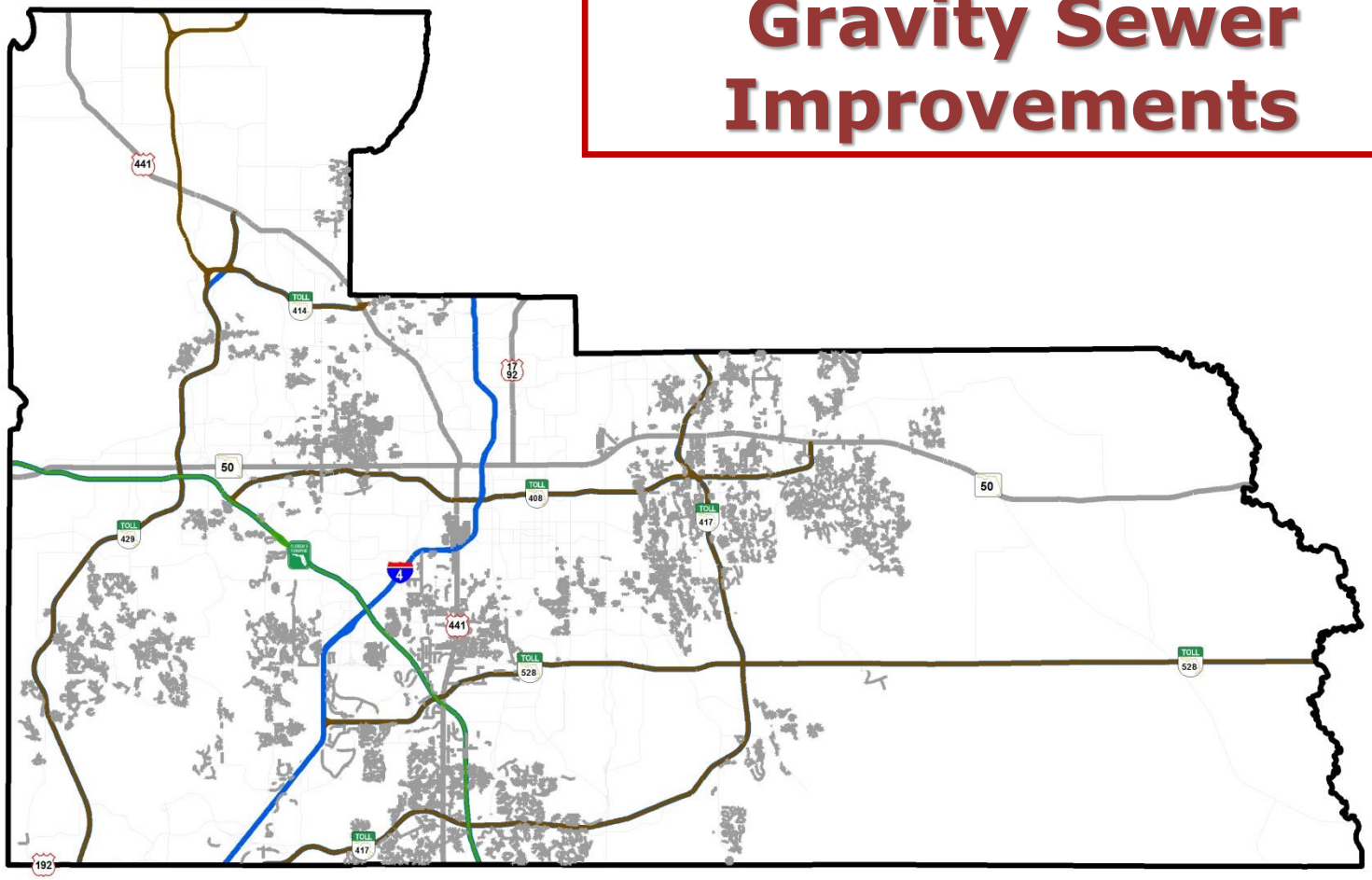
Eastern Regional Facility



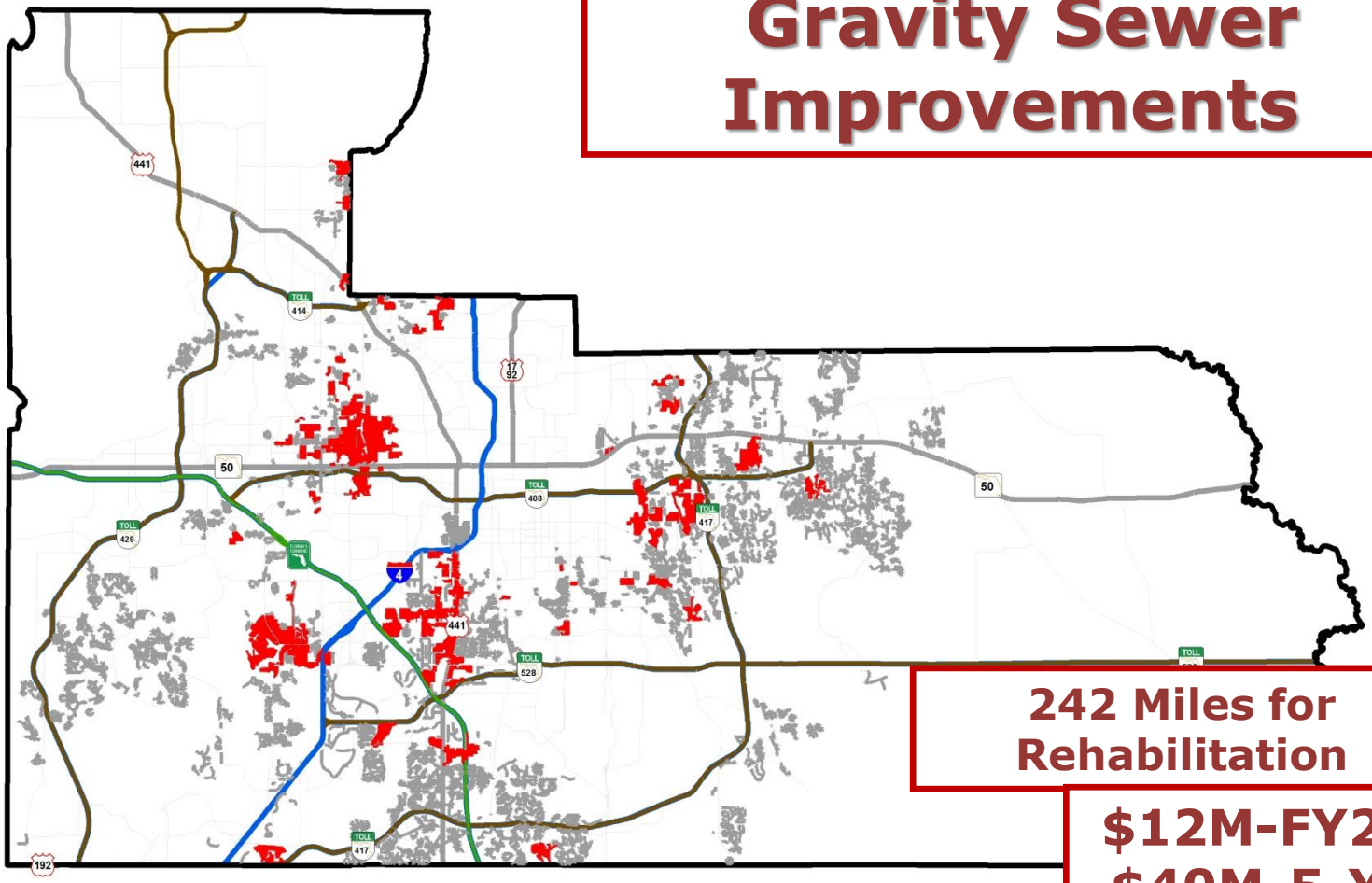
$7M-FY20
$13M-5-Yr

Capital Improvement Program

Gravity Sewer Improvements



Capital Improvement Program

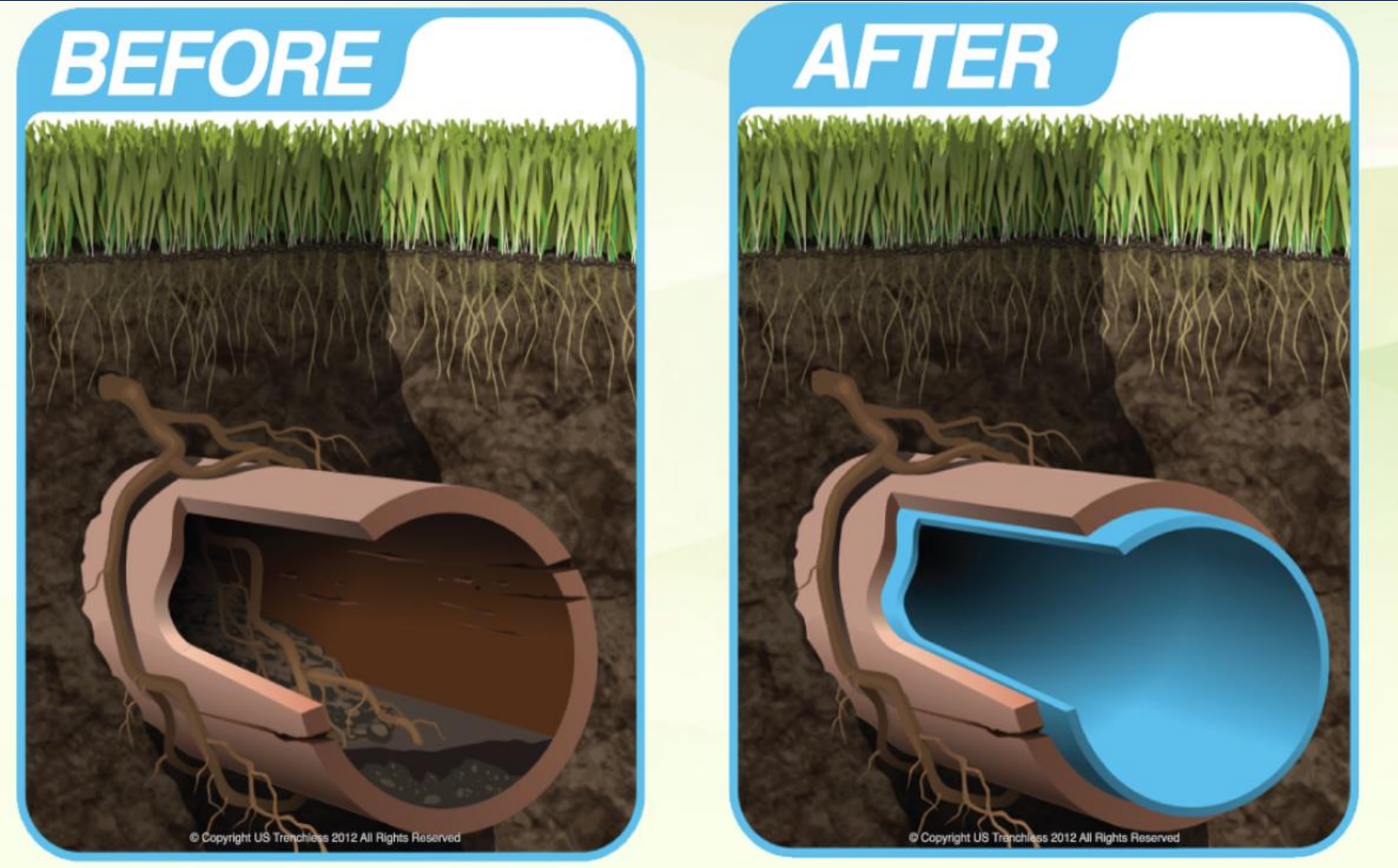


Gravity Sewer Improvements

242 Miles for Rehabilitation

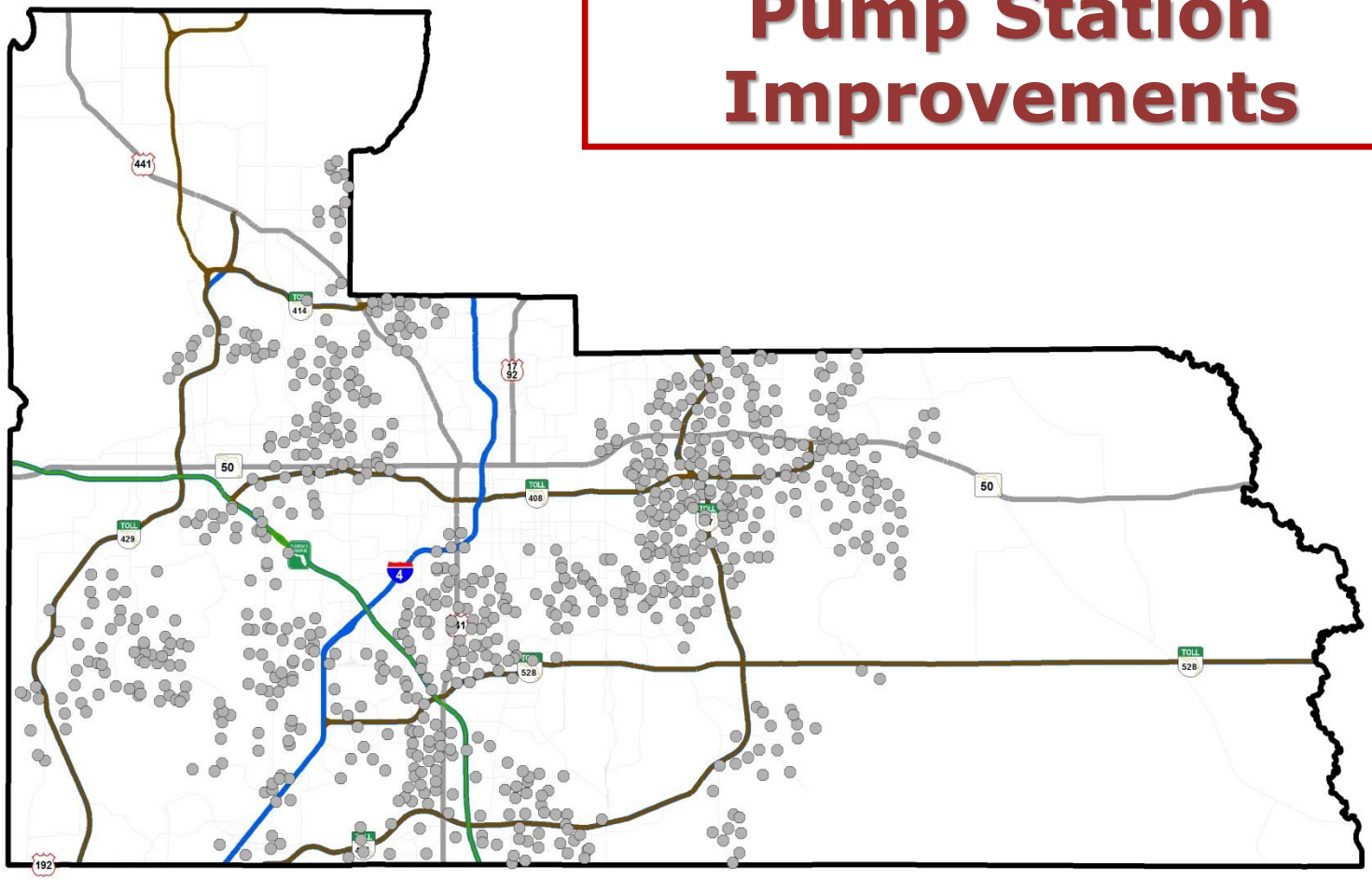
$12M-FY20
$40M-5-Yr

Capital Improvement Program

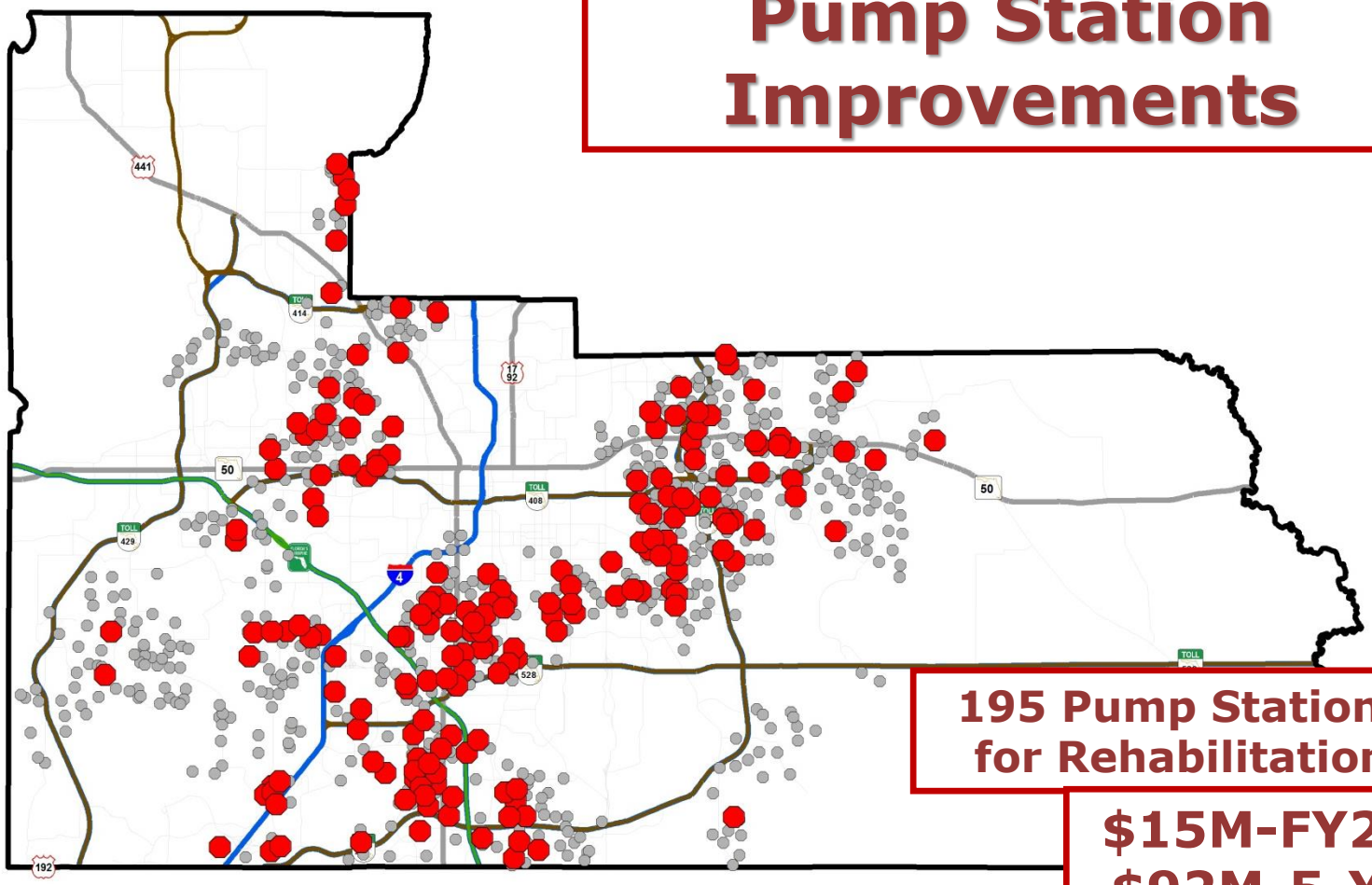


Capital Improvement Program

Pump Station Improvements



Capital Improvement Program



Pump Station Improvements

195 Pump Stations for Rehabilitation

$15M-FY20
$92M-5-Yr

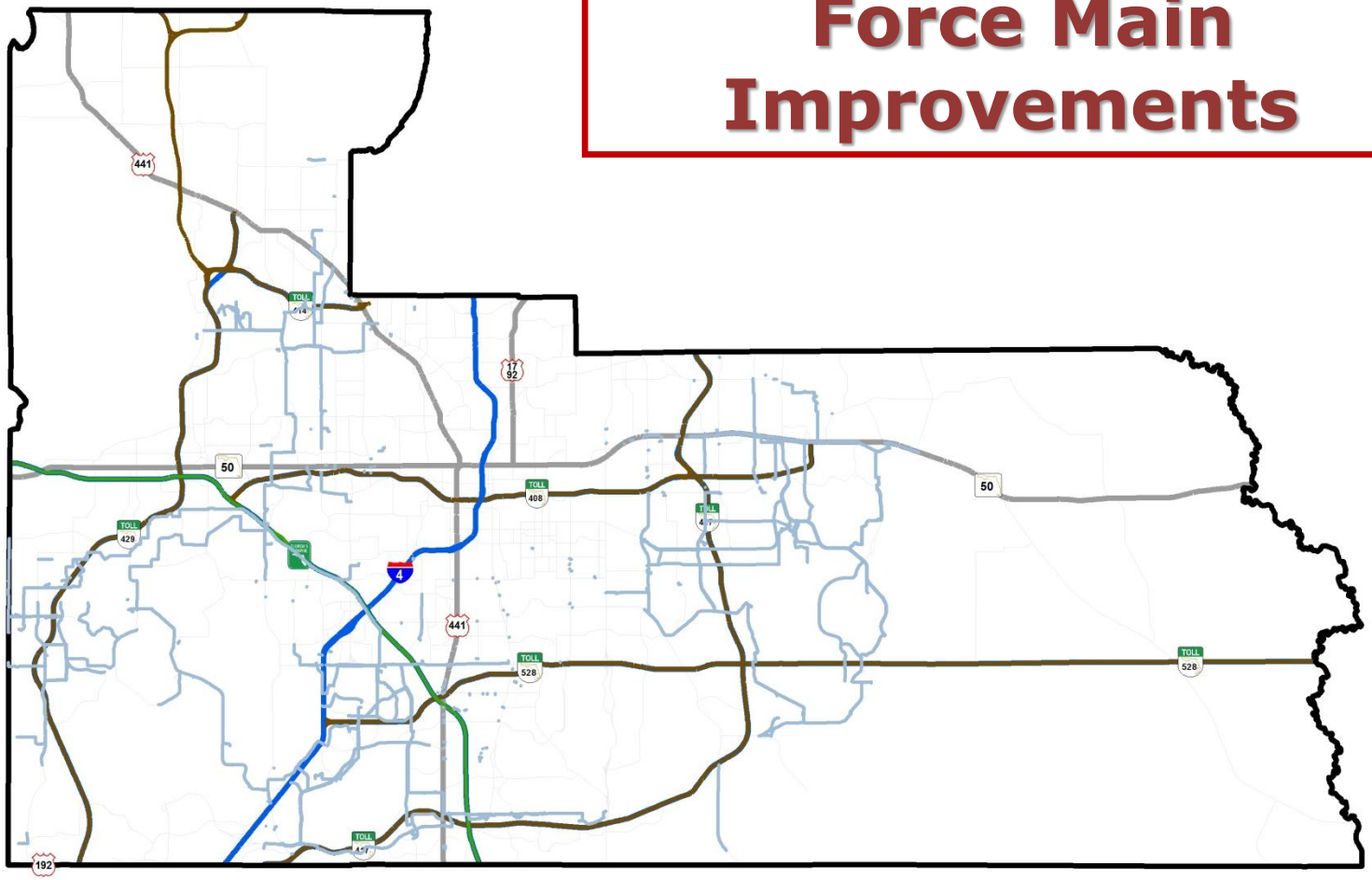
Capital Improvement Program

Before

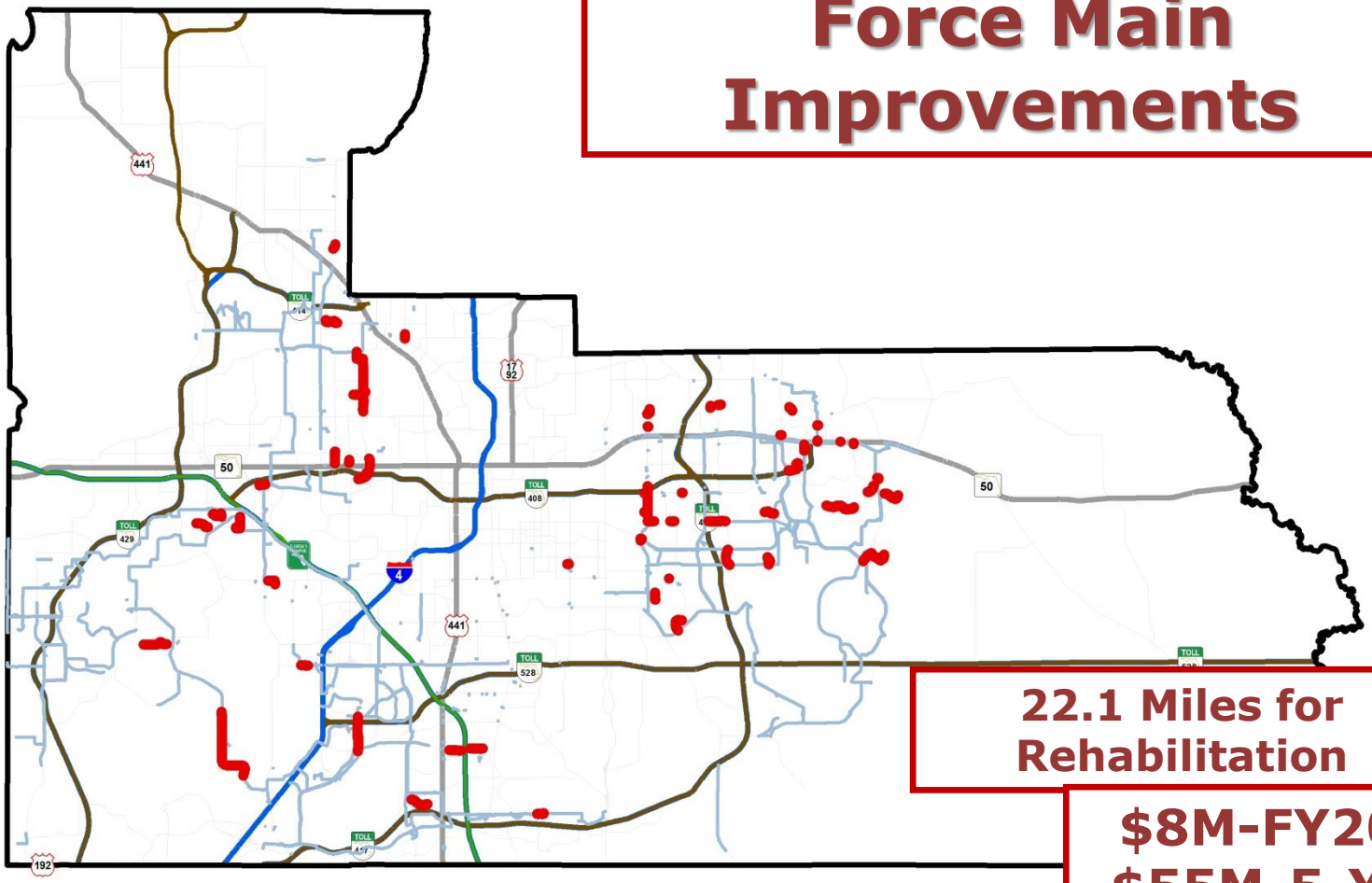
After

Capital Improvement Program

Force Main Improvements



Capital Improvement Program

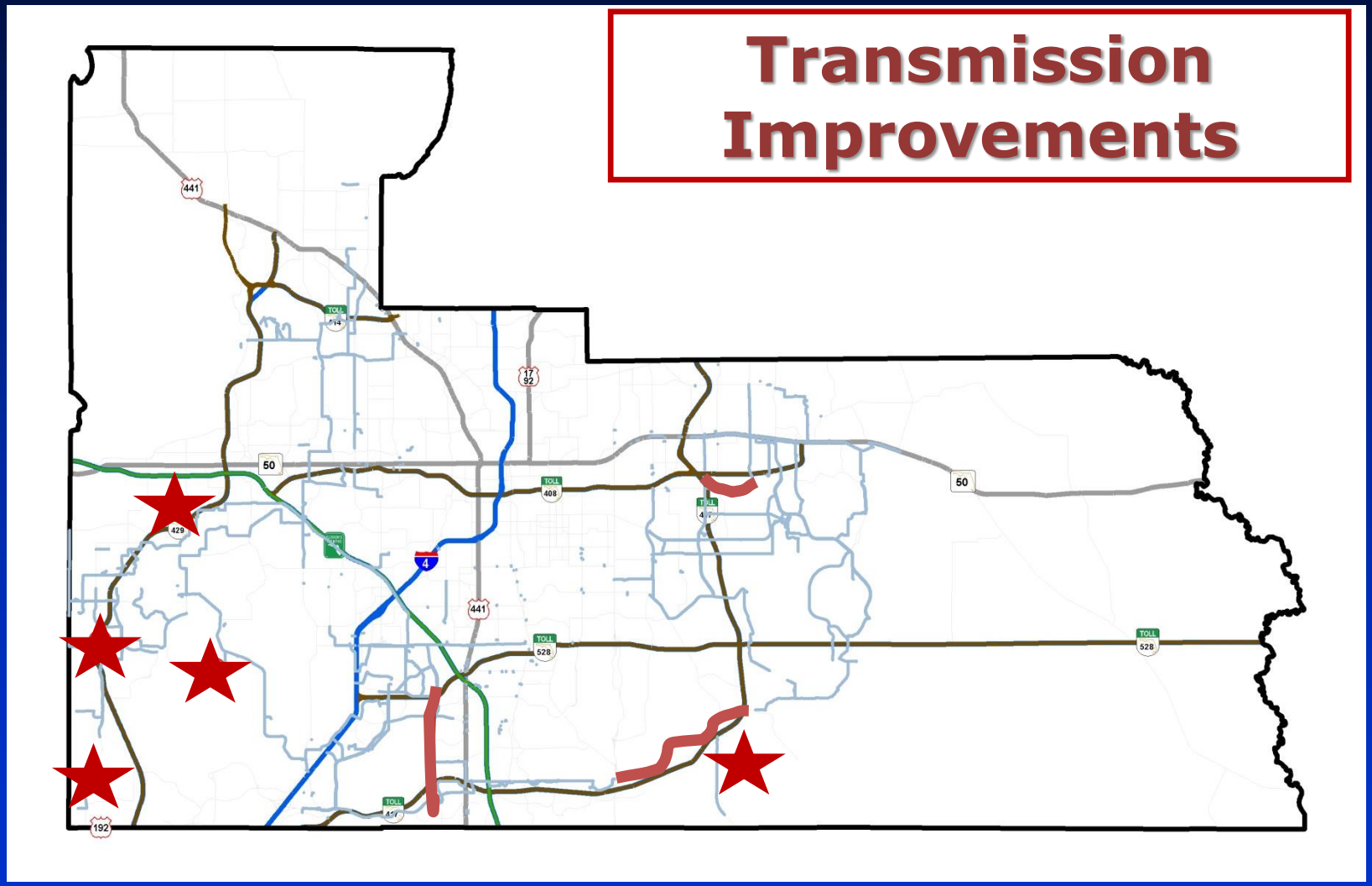


Force Main Improvements

22.1 Miles for Rehabilitation

$8M-FY20
$55M-5-Yr

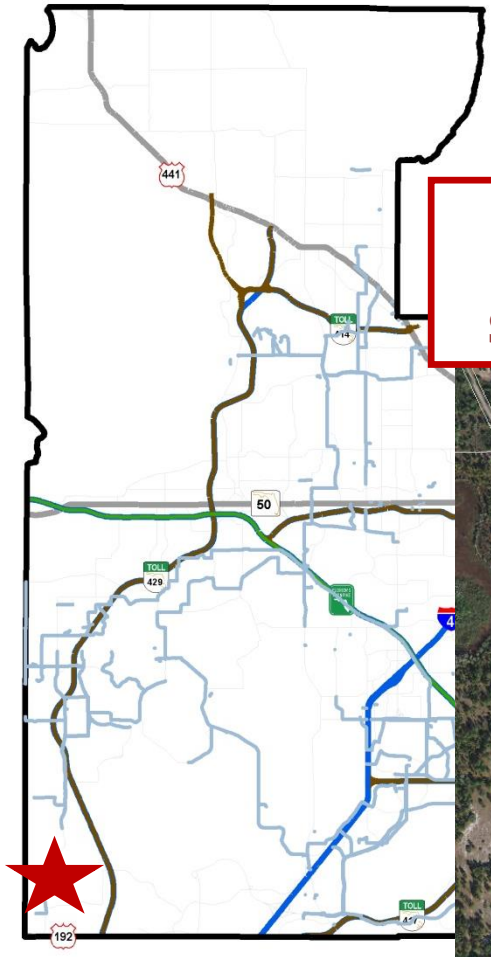
Capital Improvement Program

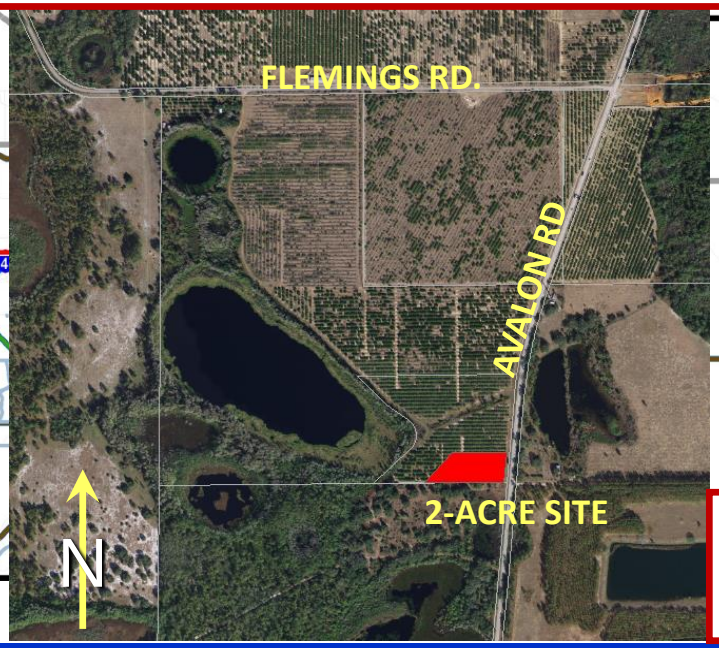


Capital Improvement Program

Transmission Improvements

Avalon Road
Reclaimed Water
Storage/Repump Facilities



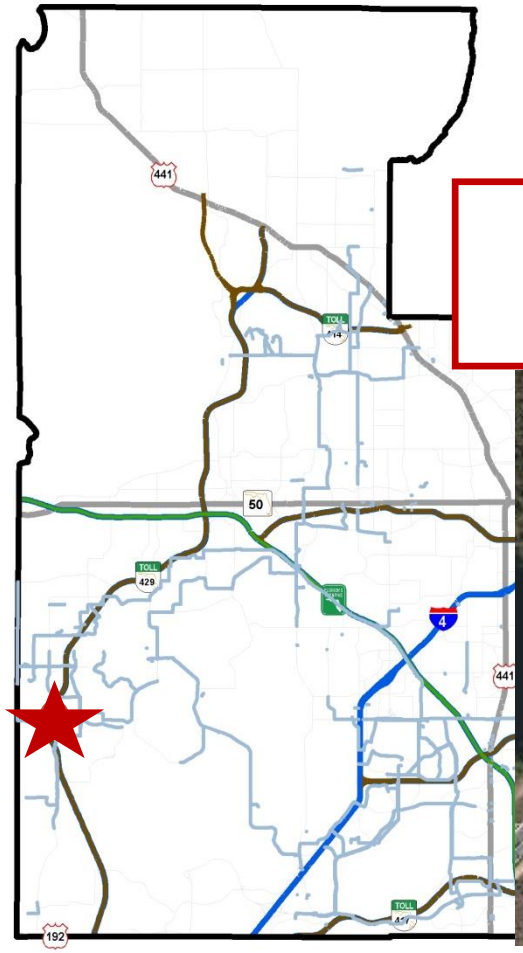


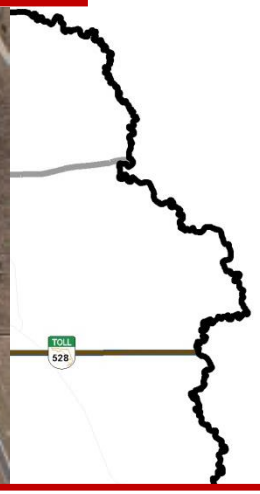
$1M-FY20
$13M-5-Yr

Capital Improvement Program

Transmission Improvements

Southwest Water Storage, Repump Facility, and Master Wastewater PS



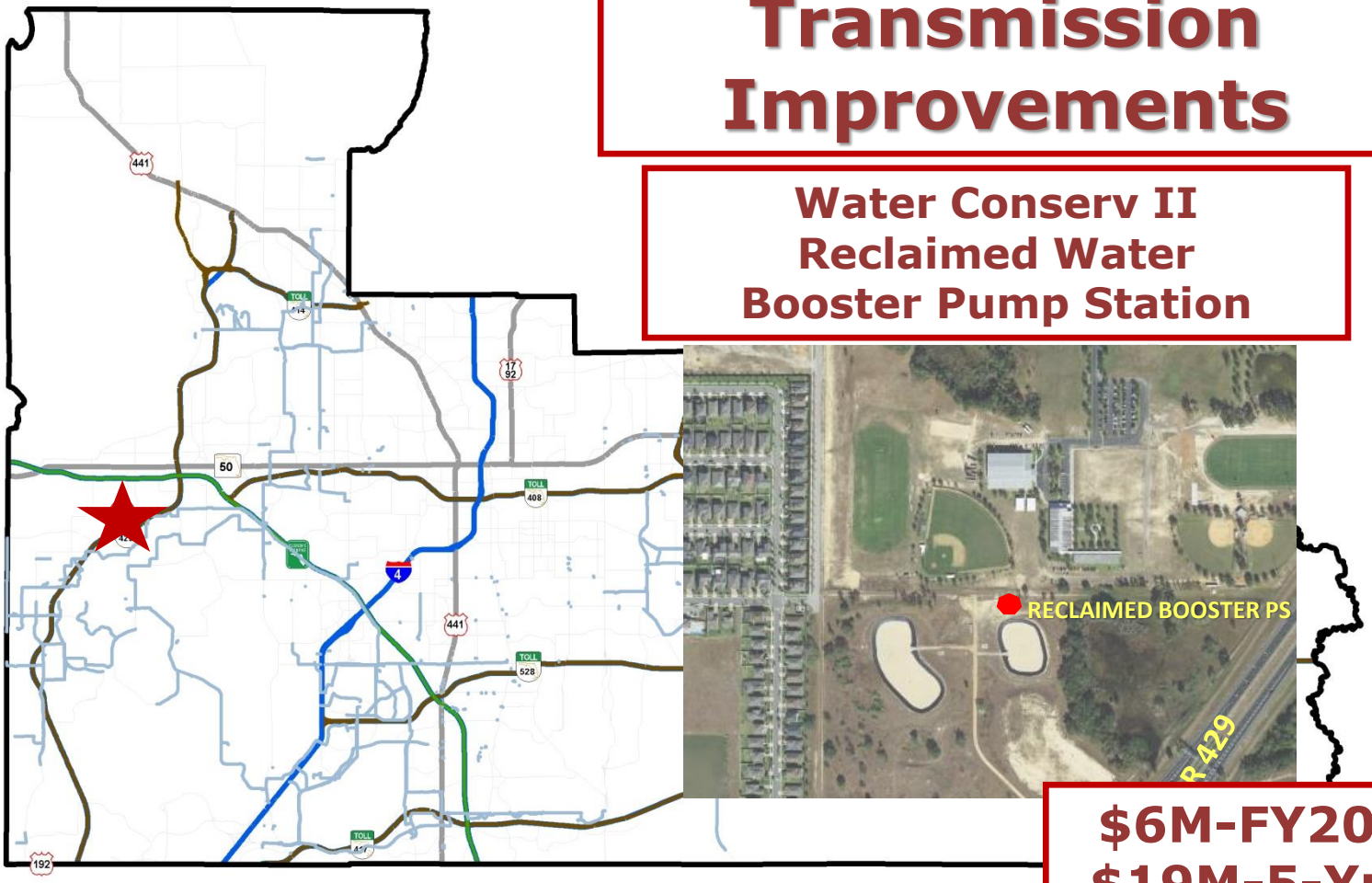


$2M-FY20
$15M-5-Yr

Capital Improvement Program

Transmission Improvements

Water Conserv II Reclaimed Water Booster Pump Station

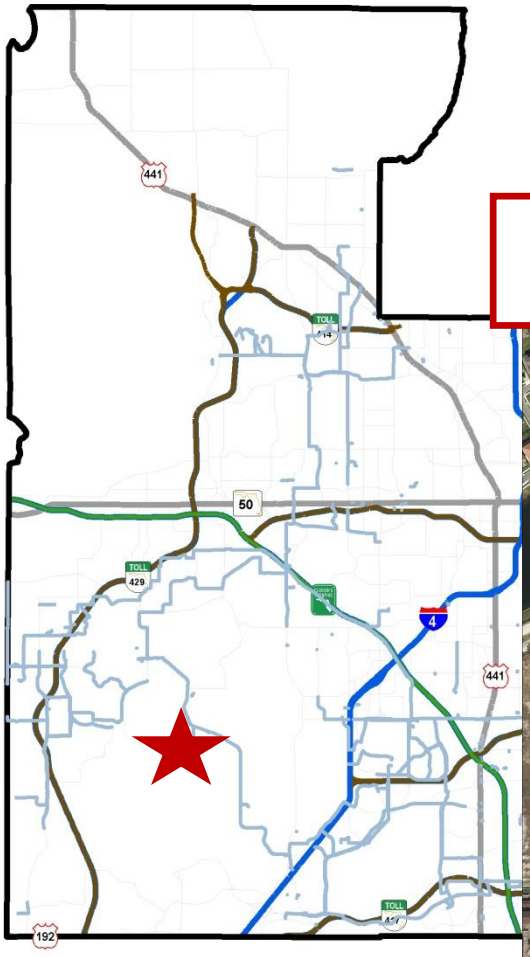


$6M-FY20
$19M-5-Yr

Capital Improvement Program

Transmission Improvements

Reams Road
Water and Wastewater

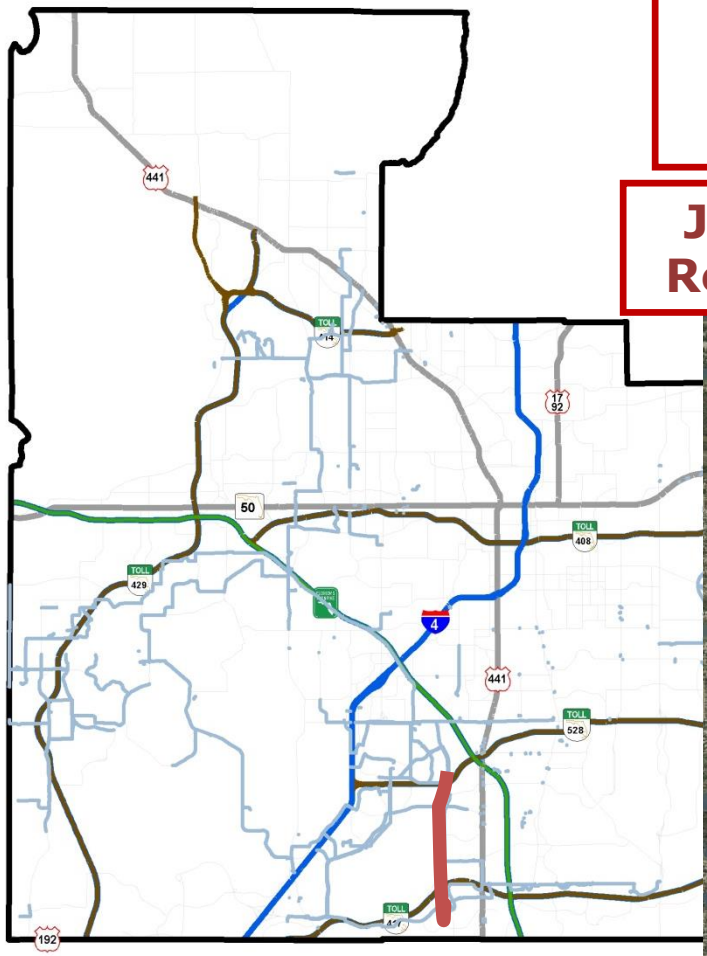


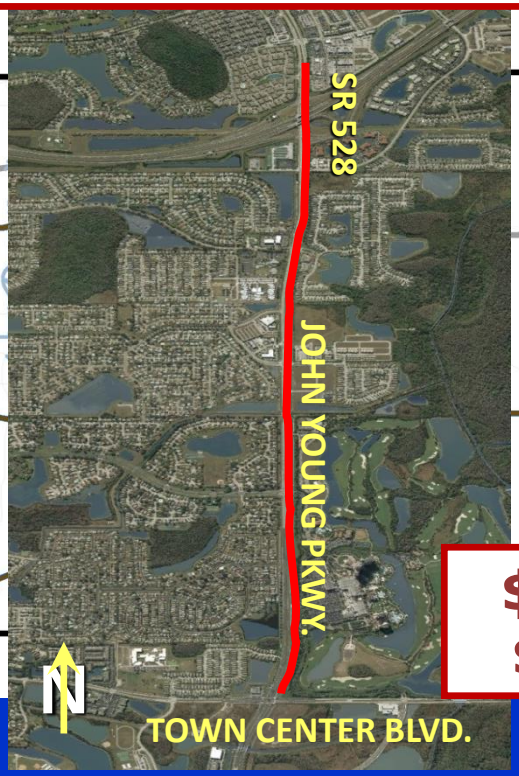
$0M-FY20
$5M-5-Yr

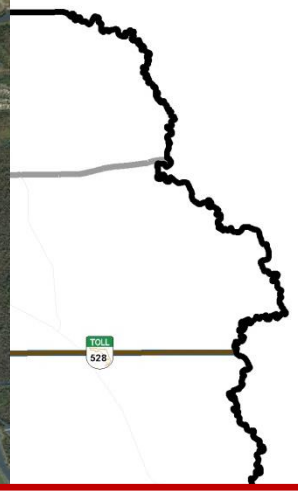
Capital Improvement Program

Transmission Improvements

John Young Parkway Reclaimed Water Main

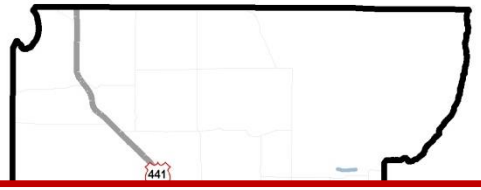






$3M-FY20
$5M-5-Yr

Capital Improvement Program

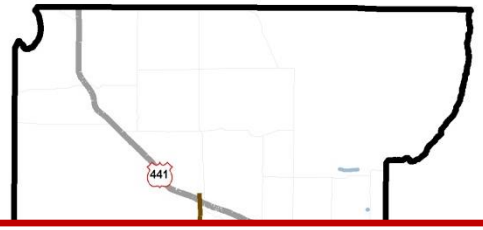


Transmission Improvements

Boggy Creek Road to Wewahootee Road Transmission Mains

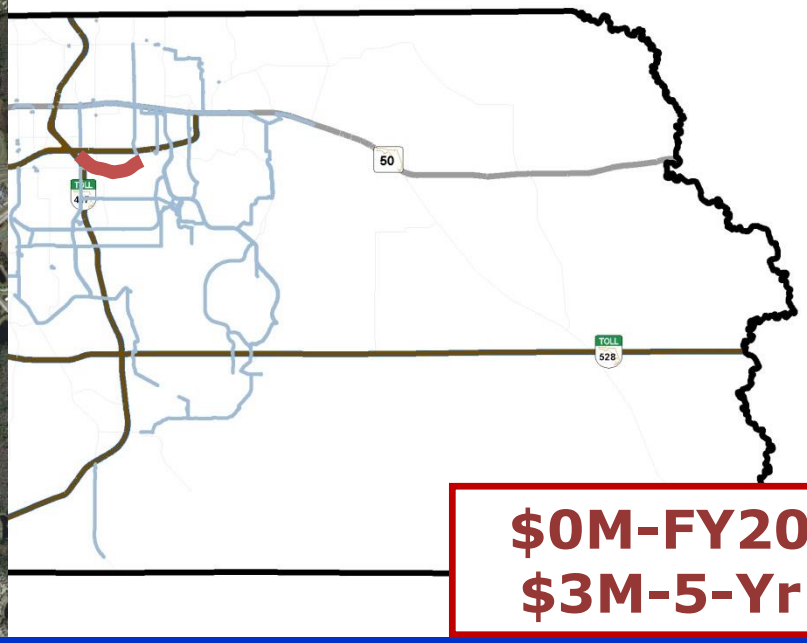
$6M-FY20
$26M-5-Yr

Capital Improvement Program



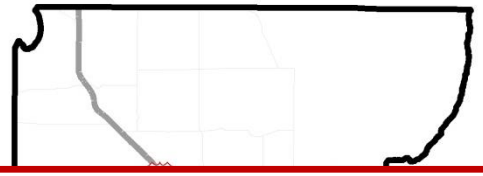
Transmission Improvements

Lake Underhill Road & Econlockhatchee Trail South



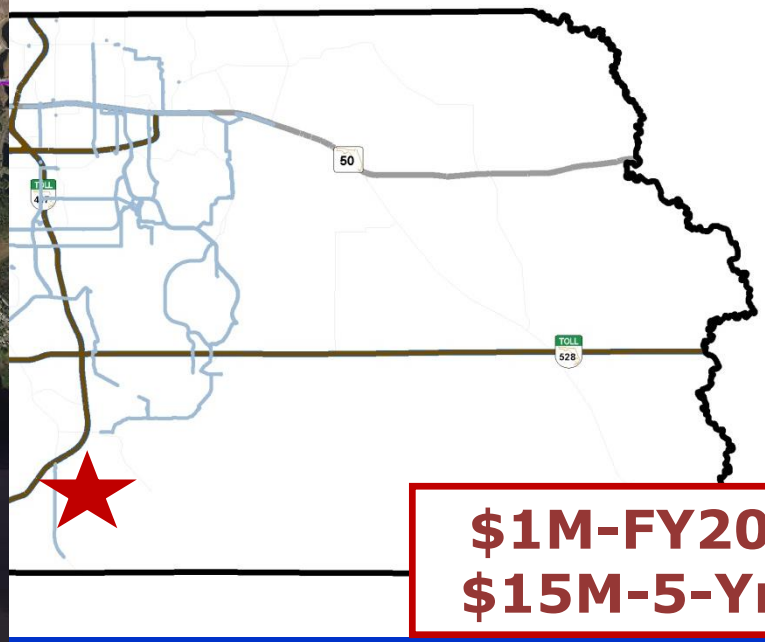
$0M-FY20
$3M-5-Yr

Capital Improvement Program



Transmission Improvements

Kirby Smith Road Force Main and Reclaimed Water Main

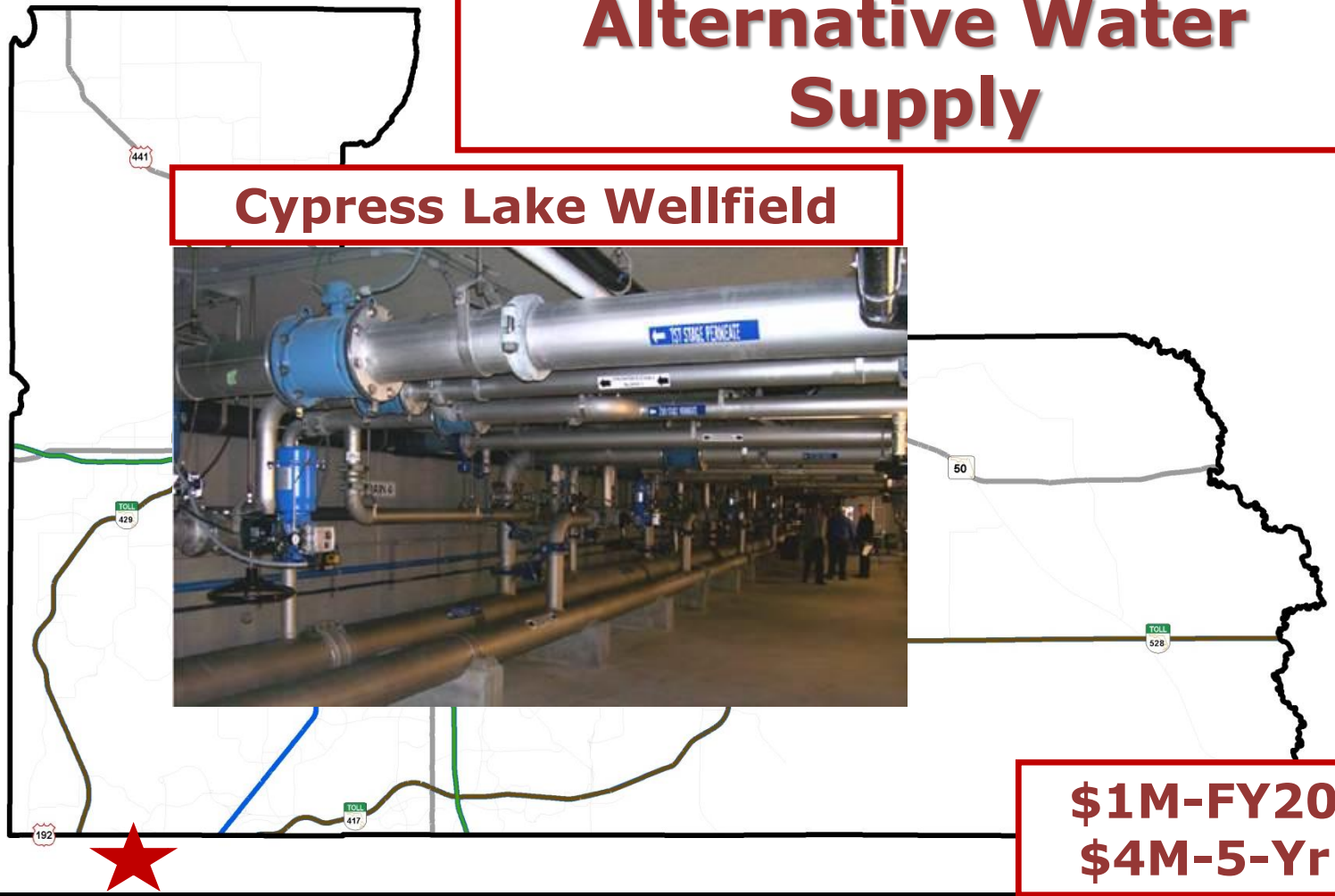


$1M-FY20
$15M-5-Yr

Capital Improvement Program

Alternative Water Supply

Cypress Lake Wellfield

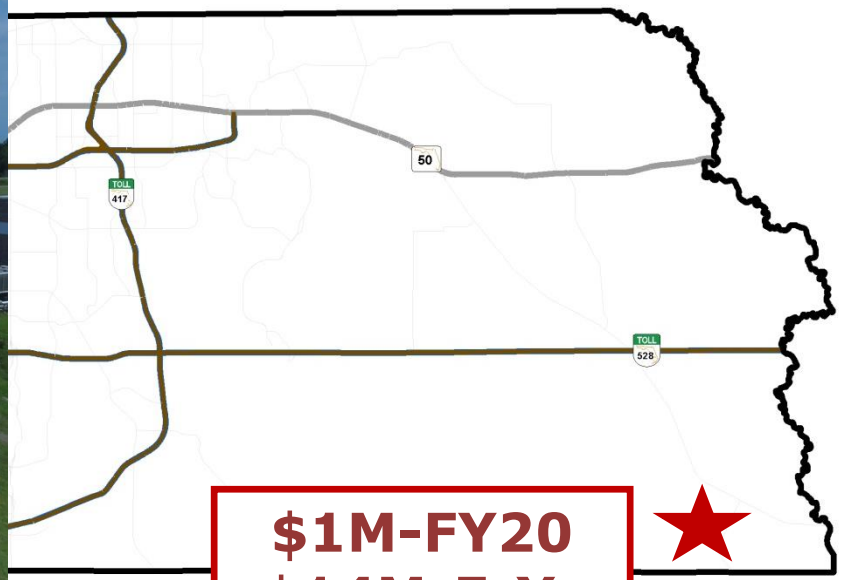


$1M-FY20
$4M-5-Yr

Capital Improvement Program

Alternative Water Supply

Taylor Creek Reservoir/ St. Johns River

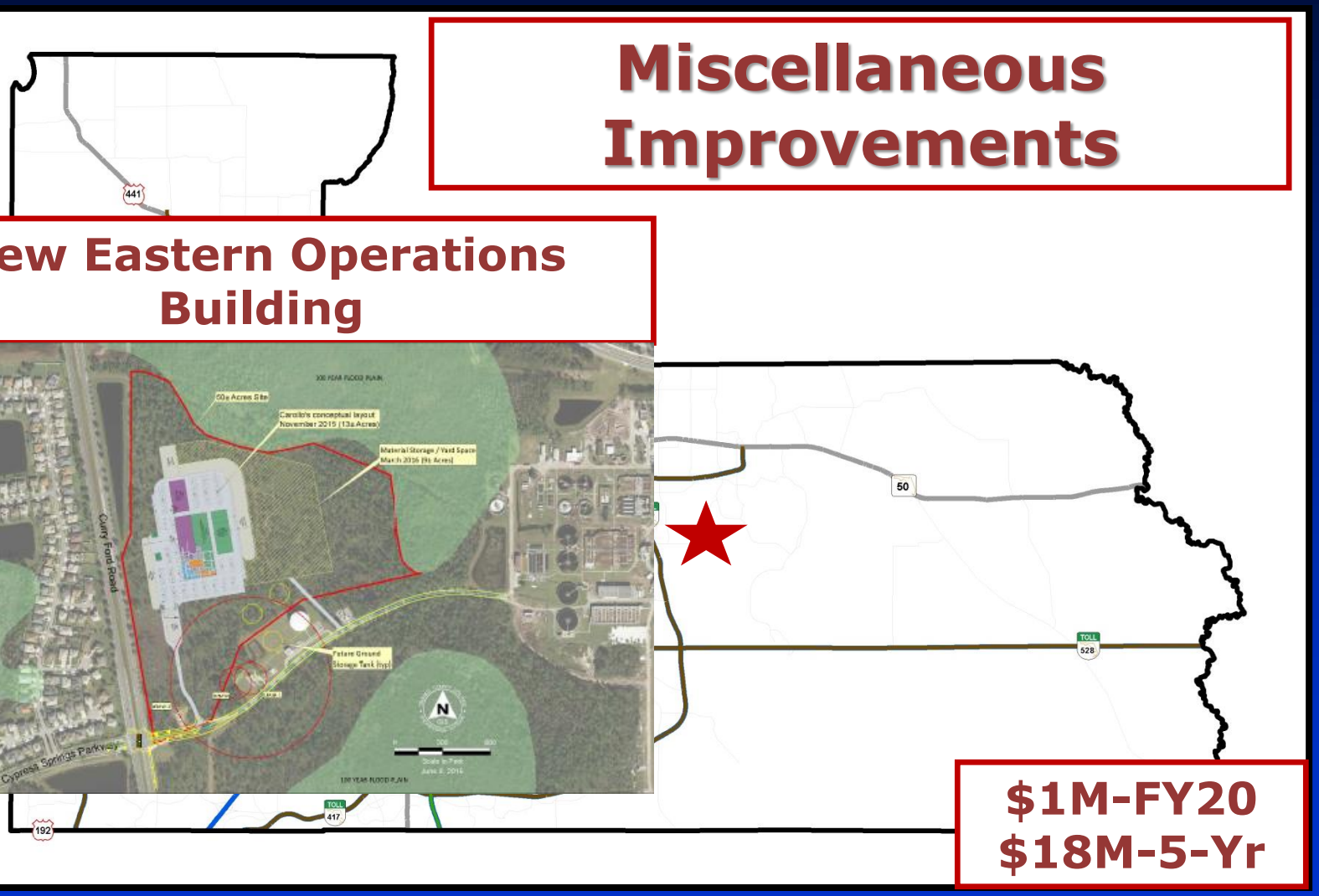


$1M-FY20
$14M-5-Yr

Capital Improvement Program

Miscellaneous Improvements

New Eastern Operations Building



$1M-FY20
$18M-5-Yr

Capital Improvement Program

Miscellaneous Improvements

IT / Maximo

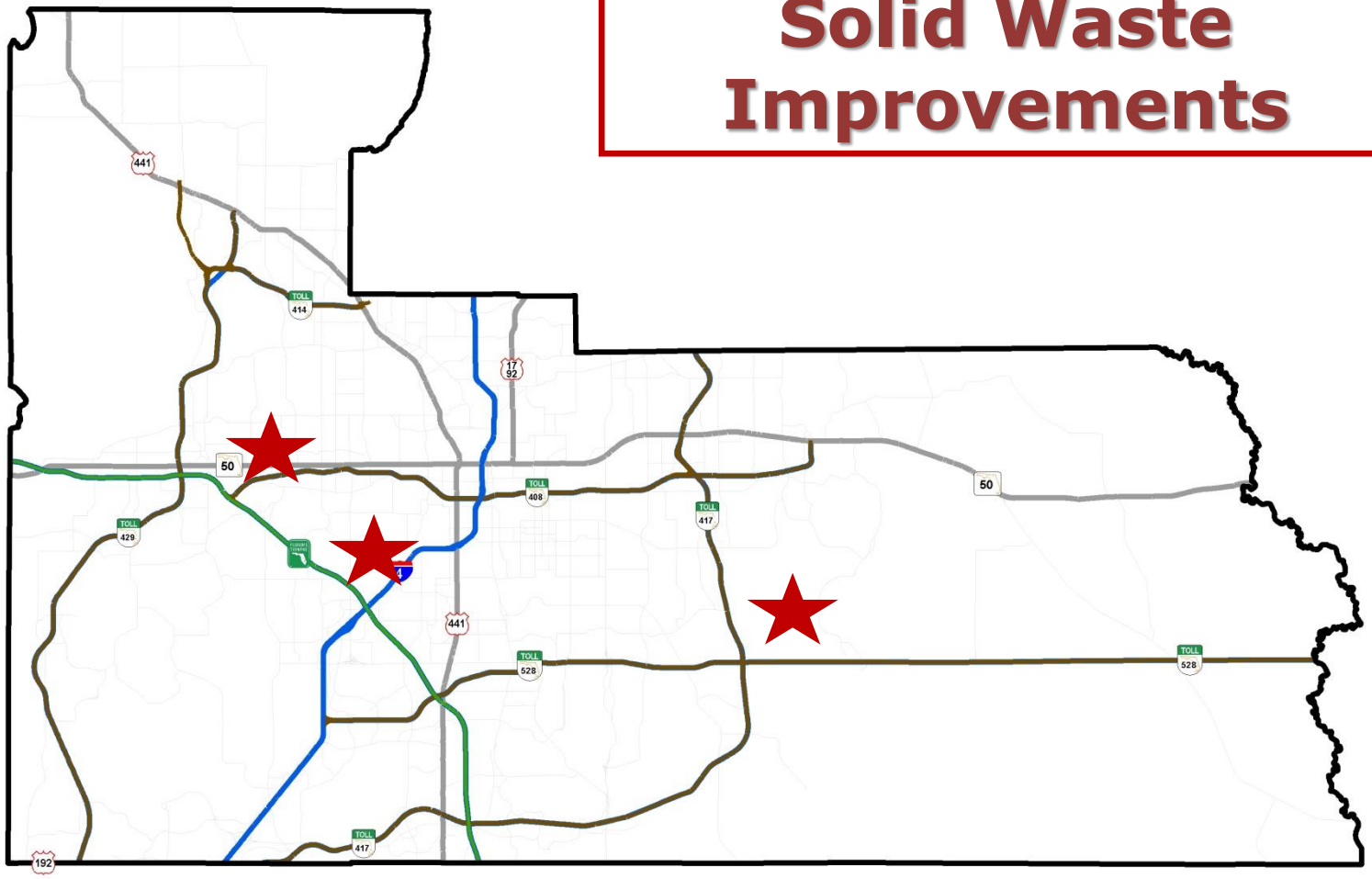
$3M-FY20
$9M-5-Yr

Customer Information System (CIS)

$7M-FY20
$13M-5-Yr

Capital Improvement Program

Solid Waste Improvements



Capital Improvement Program

Solid Waste Improvements

Porter Transfer Station

$0.3M-FY20
$1M-5-Yr

Capital Improvement Program

Solid Waste Improvements

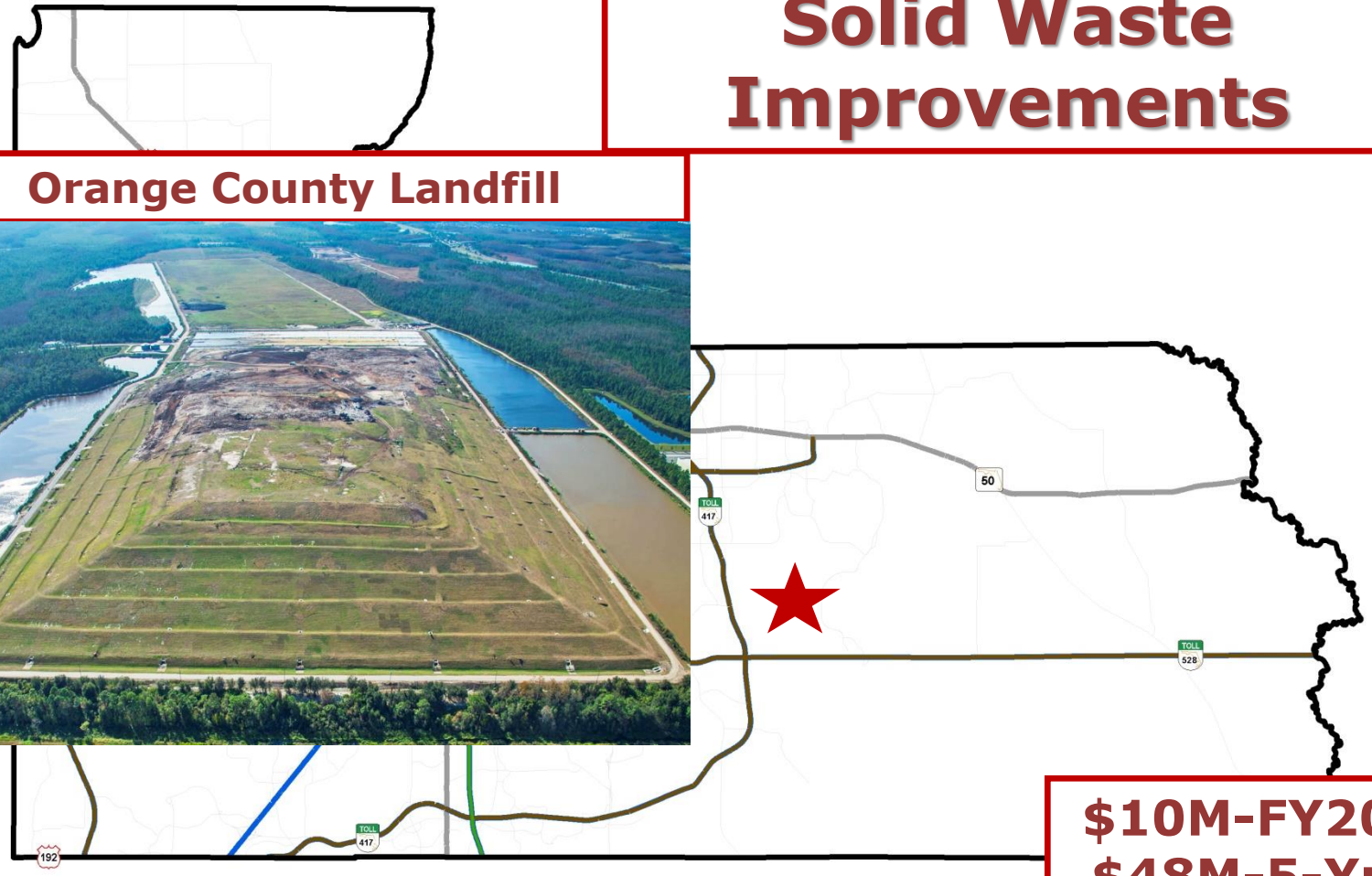
McLeod Transfer Station

$19M-FY20
$23M-5-Yr

Capital Improvement Program

Solid Waste Improvements

Orange County Landfill



$10M-FY20
$48M-5-Yr

Presentation Outline

- Organizational Overview
- Proposed FY 2019-20 Budget
- Accomplishments
- Operational Highlights
- Capital Improvement Program
- **Summary**

Summary

- **Proposed FY 2019-20 Budget Reflects:**
  - **Continued customer and flow growth in the Water & Wastewater System**
  - **Closure of McLeod Road Transfer Station for rehabilitation**
  - **Continued infrastructure expansion to address growth**
    - **$9.9M increase in CIP budget in FY 2019-20**

Summary

- **Proposed FY 2019-20 Budget Reflects:**
  - **3% increase in Water & Wastewater System rates**
  - **MSBU rate unchanged at $230.00 per household**
  - **Solid Waste tipping fees unchanged**

Utilities Department

FY 2019-20
Budget Work Session

July 15, 2019