

# GRP PROGRAM CONSTRUCTION PROGRESS



**GRP Review  
Committee  
Meeting  
April 20, 2015**



**SJRA Board  
of Directors  
Meeting  
April 23, 2015**

# SURFACE WATER FACILITY CONSTRUCTION ADMINISTRATION

## Project Data Thru 3/31/2015

Contracted Amount:	\$190,704,740.00
Change Orders:	\$ 0.00
Estimate to Complete:	\$190,704,740.00
Amount Invoiced:	\$173,430,125.00
Percent Complete:	91.0%
Completion Date:	June 2015







**Blower  
Building**

**Sludge  
Thickeners**

**Process Water  
Recovery Basins**

**GAC  
Contactors**

**Membrane  
Building**

**Maintenance Building**





Membrane Building – Installation of membrane cartridges





Membrane Building – Installation of membrane cartridges





Membrane Building – Lab millwork installation





Membrane Building – Installation of process water sample faucets





Granulated Activated Carbon Building – Cleaning of contactor trough and basin





Granulated Activated Carbon Building – Underdrain testing during backwash cycle





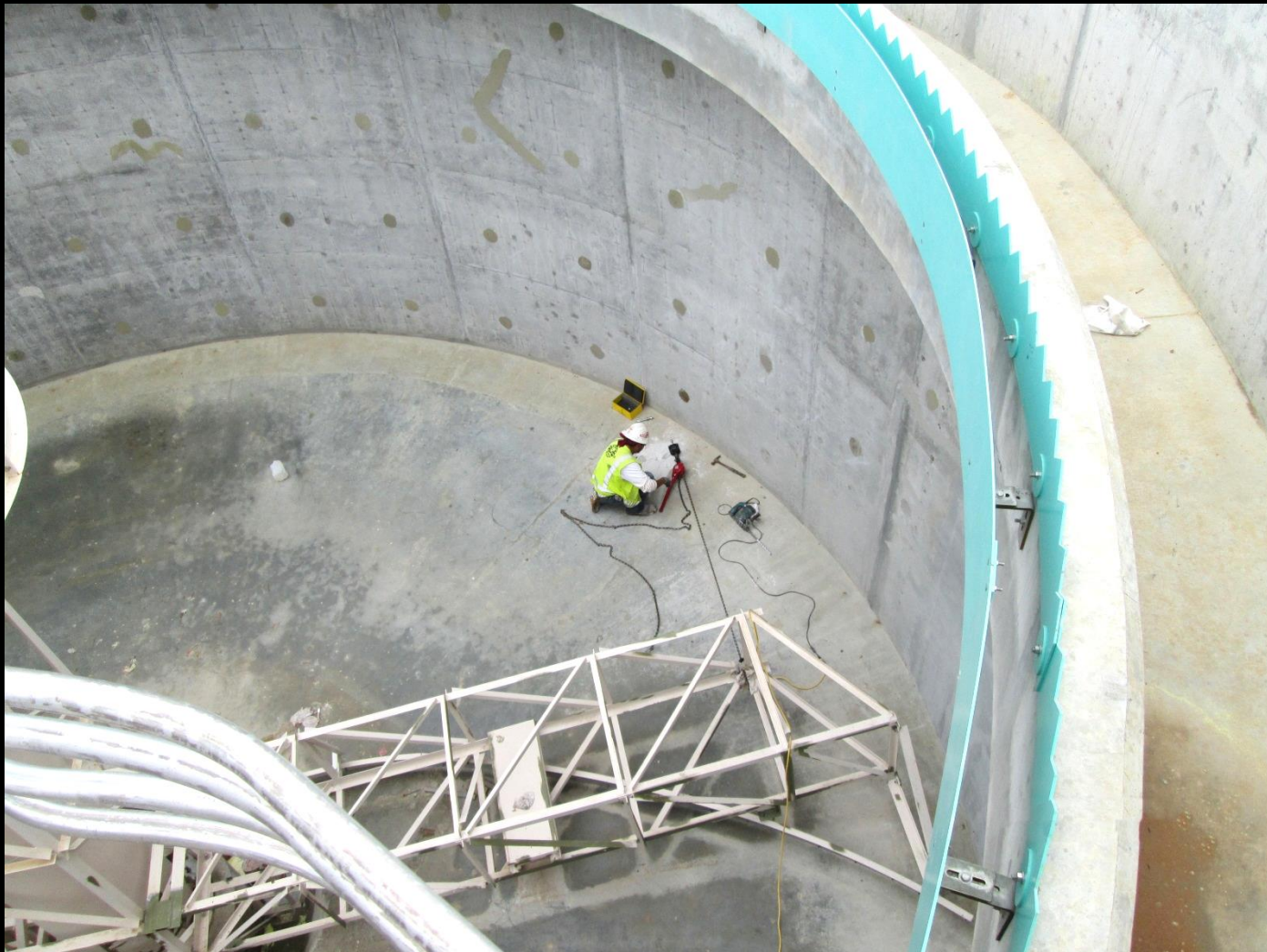
Granulated Activated Carbon – Delivery and storage of 880 tons of GAC





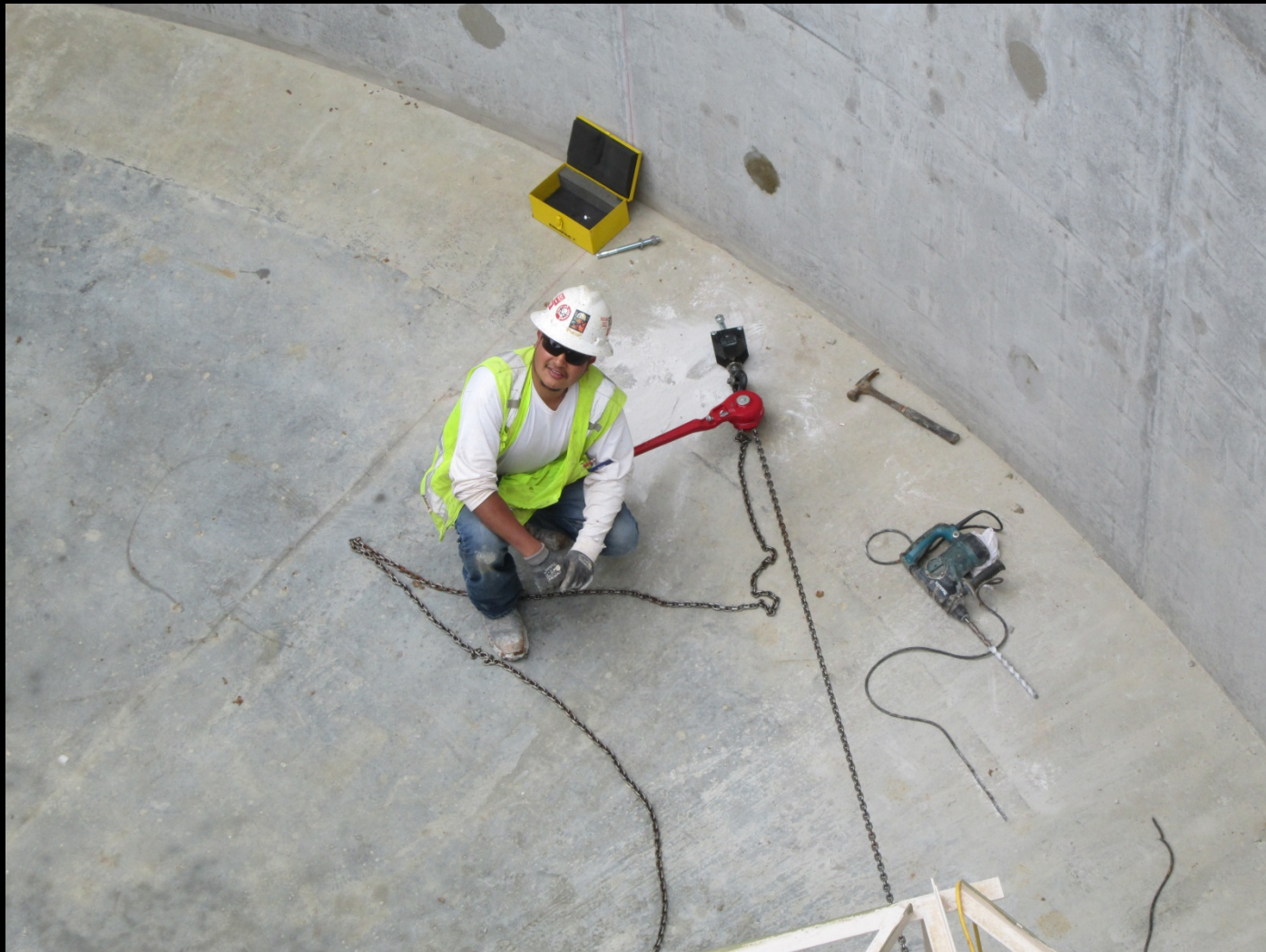
Blower Building – Neuros turbo blowers and piping





Sludge Thickener – Torque testing of thickener drive unit





Sludge Thickener – Torque testing of thickener drive unit





Process Water Recovery – Soil cement lining installation





Maintenance Building – Installation of drilled shafts





General Site – Stabilization of pavement subgrade





General Site – Roadway installation from main entrance to the Power Supply Building



The image features five stylized fireworks exploding in a dark blue sky. The fireworks are arranged around the central text: one orange in the top left, one purple in the top right, one large orange in the bottom left, one green in the bottom center, and one cyan in the bottom right. The text "Operations Building is Complete!" is written in a bold, white, sans-serif font, centered horizontally and partially overlaid by the fireworks.

**Operations Building is  
Complete!**







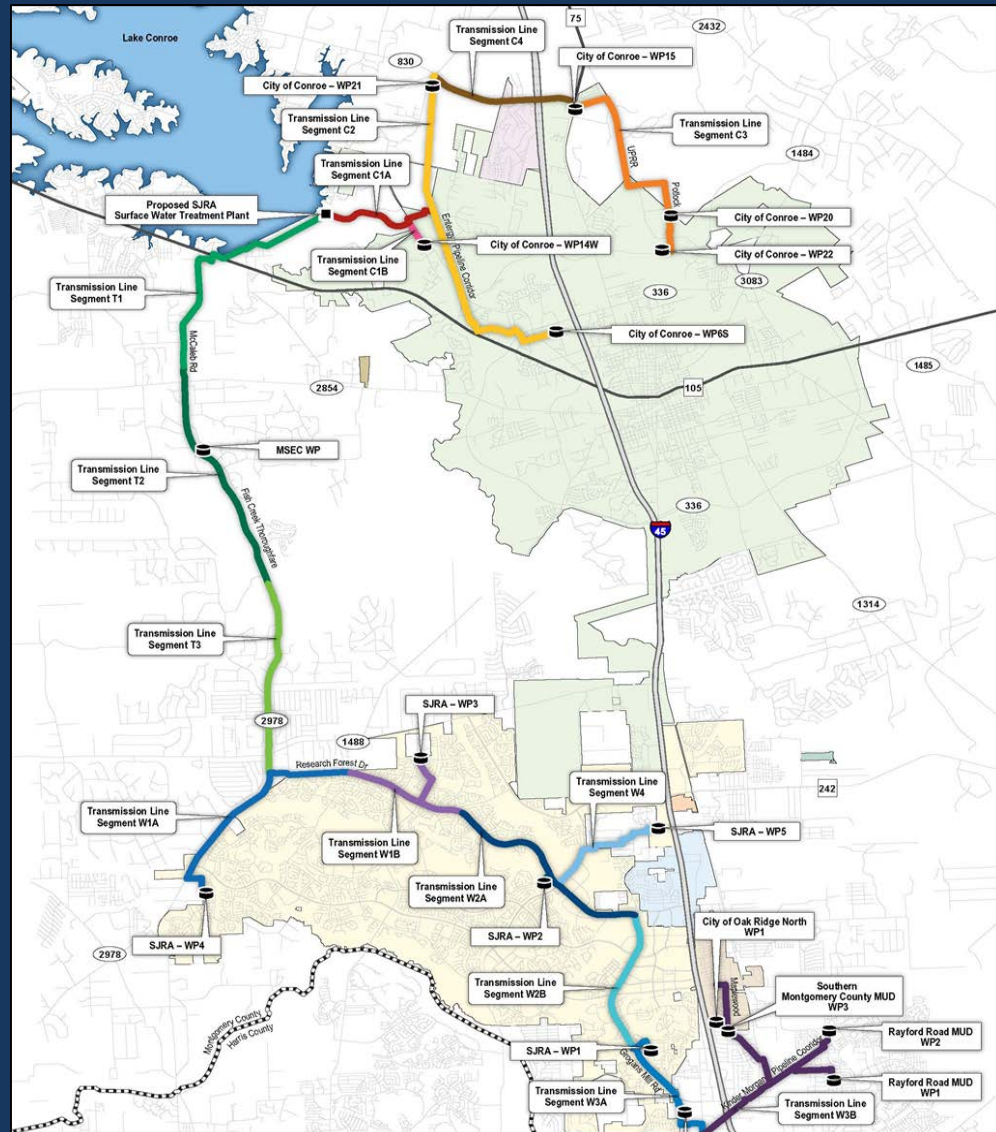
# SURFACE WATER FACILITY CONSTRUCTION PROGRESS

## Questions?





# SURFACE WATER TRANSMISSION SYSTEM CONSTRUCTION PROGRESS





# TRANSMISSION LINE SYSTEM CONSTRUCTION ADMINISTRATION

## Project Data Thru 3/31/2015

Original Contract Amount: \$ 148,450,986.60

Change Orders: \$ 2,172,825.19

Total Contract Amount: \$ 150,623,811.79

Amount Invoiced: \$137,424,983.26

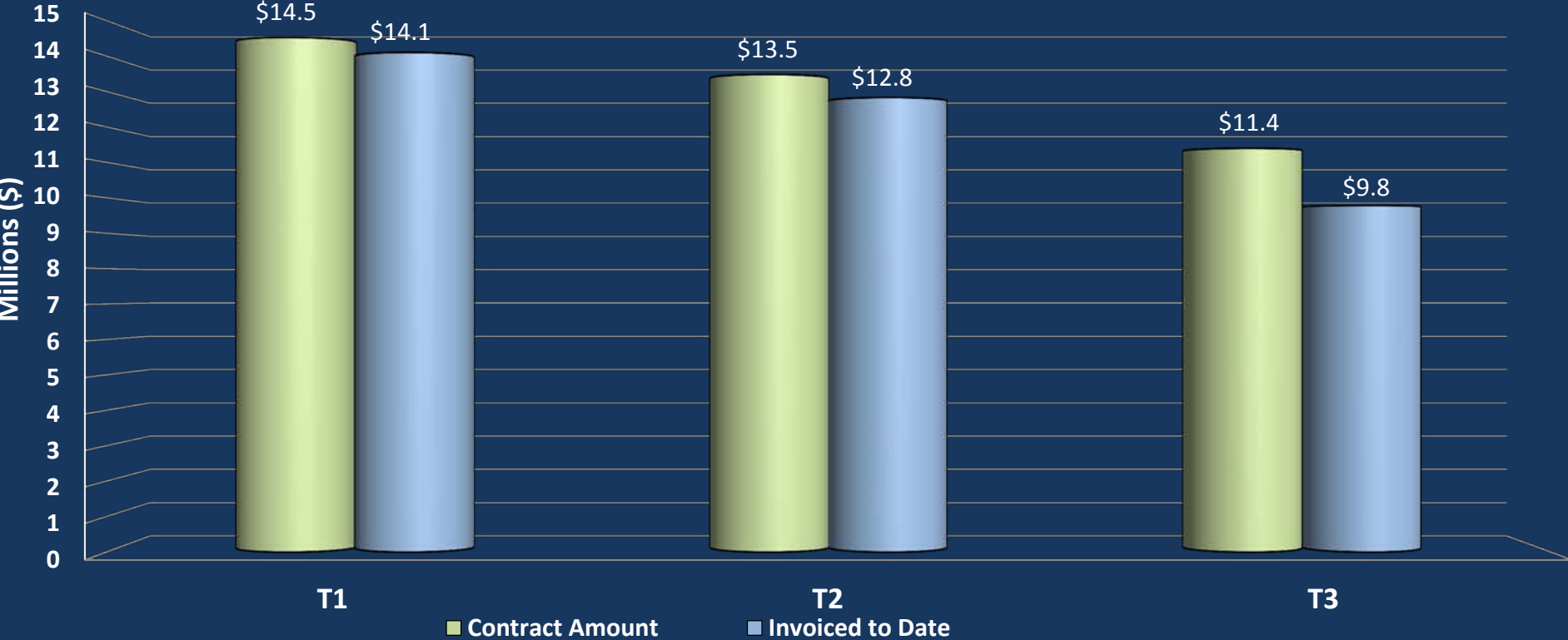
Percent Complete: 91%

Estimated Completion Date: June 2015





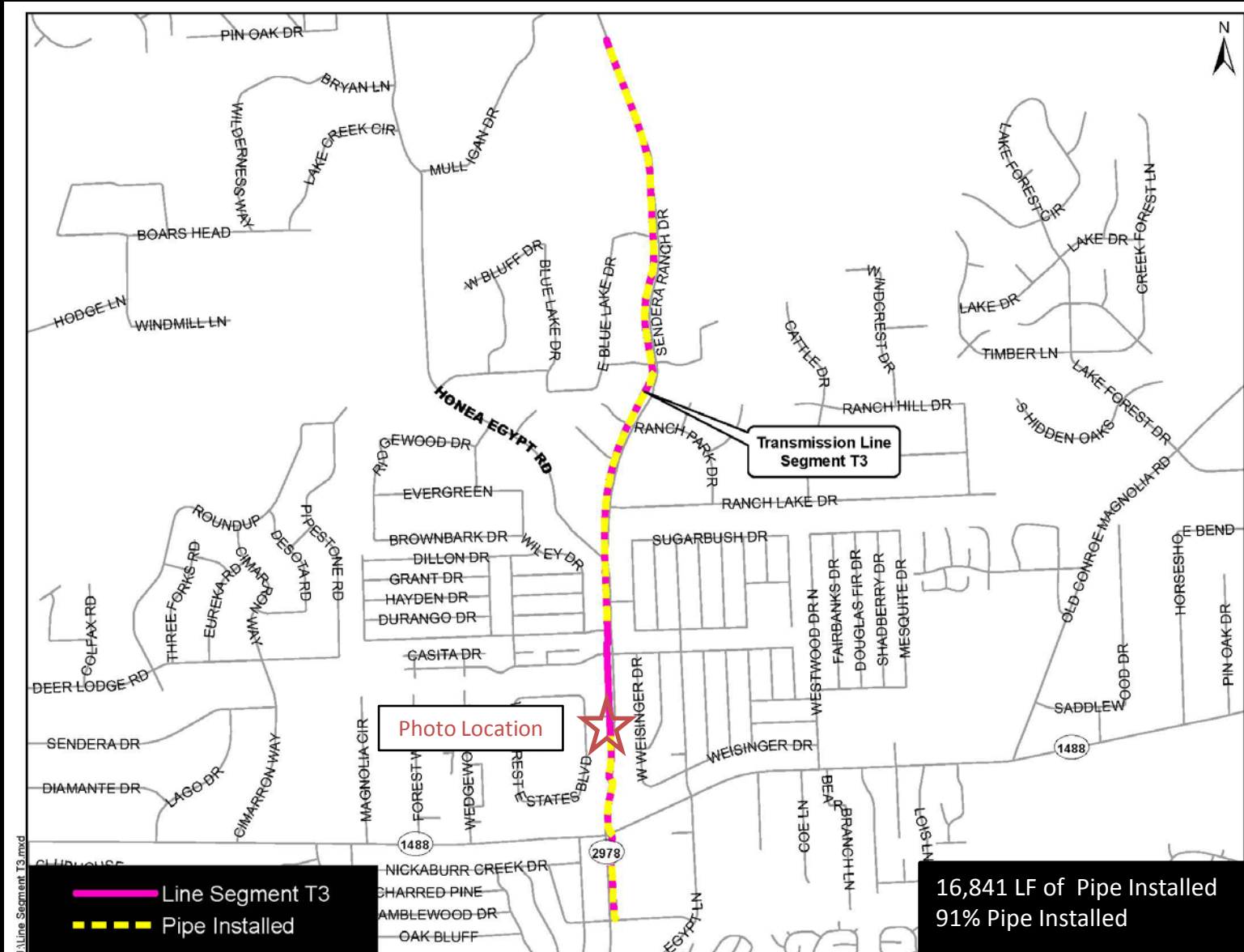
# SURFACE WATER TRANSMISSION SYSTEM "T" ROUTES - PROJECT DATA



# SURFACE WATER TRANSMISSION SYSTEM "T" ROUTES - PROJECT STATUS

Line	Overall % Complete	Testing % Complete	Substantial Completion	Final Completion
T1	97%	100%	✓	
T2	95%	100%	✓	
T3	86%			





U:\Line Segment T3.mxd

- Line Segment T3
- Pipe Installed

Photo Location

Transmission Line Segment T3

16,841 LF of Pipe Installed  
91% Pipe Installed



54-inch open cut installation along Sendera Ranch Dr.



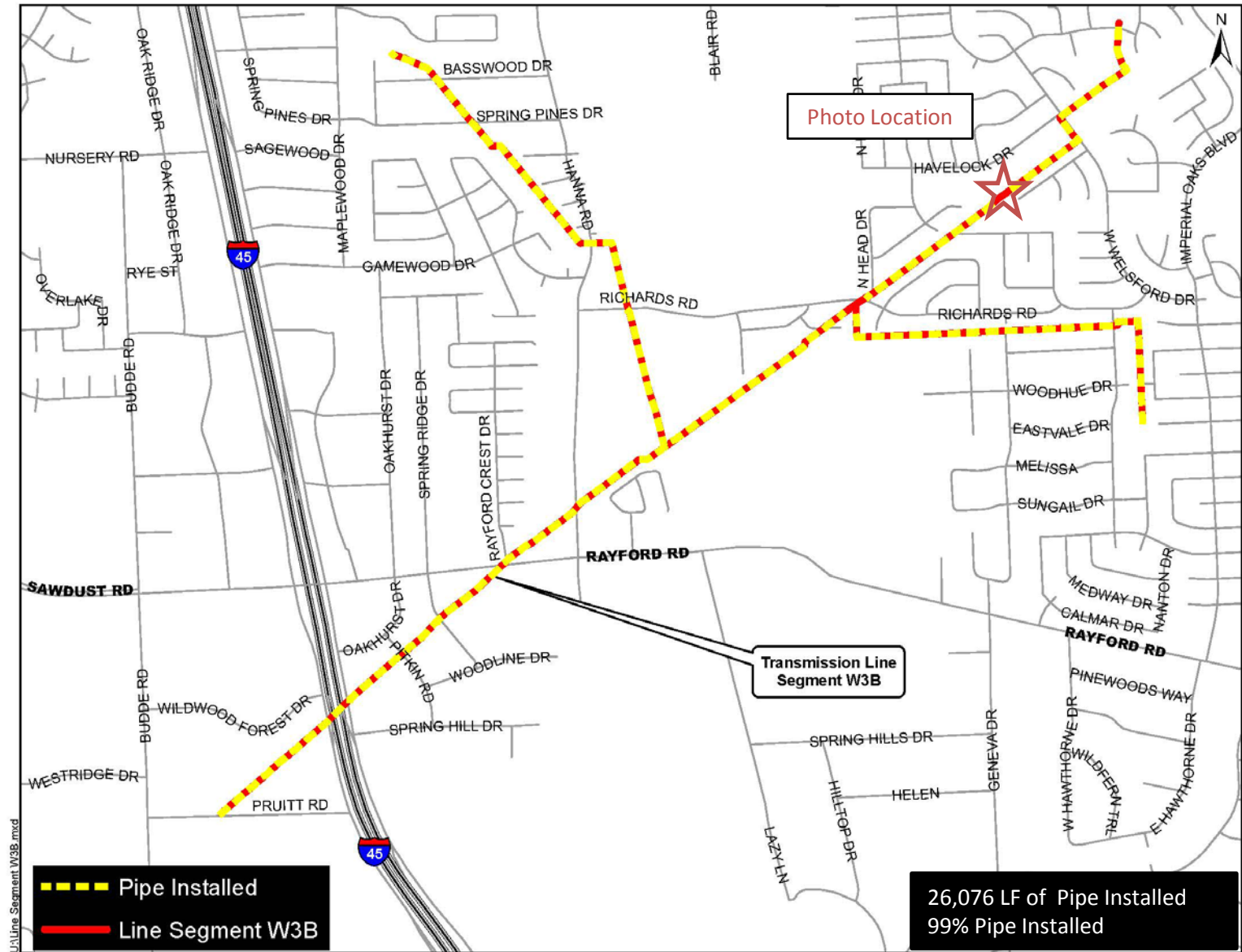
# SURFACE WATER TRANSMISSION SYSTEM "W" ROUTES - PROJECT DATA



# SURFACE WATER TRANSMISSION SYSTEM "W" ROUTES - PROJECT STATUS

Line	Overall % Complete	Testing % Complete	Substantial Completion	Final Completion
W1A	94%	100%	✓	✓
W1B	94%	100%	✓	✓
W2A	93%	100%	✓	✓
W2B	92%	100%	✓	✓
W3A	96%	100%	✓	✓
W3B	88%	25%		
W3D	13%			
W4	89%	100%	✓	✓





U:\Line Segment W3B.mxd



12-inch pipe and 3-inch conduit being installed under MCDD No. 6 drainage ditch



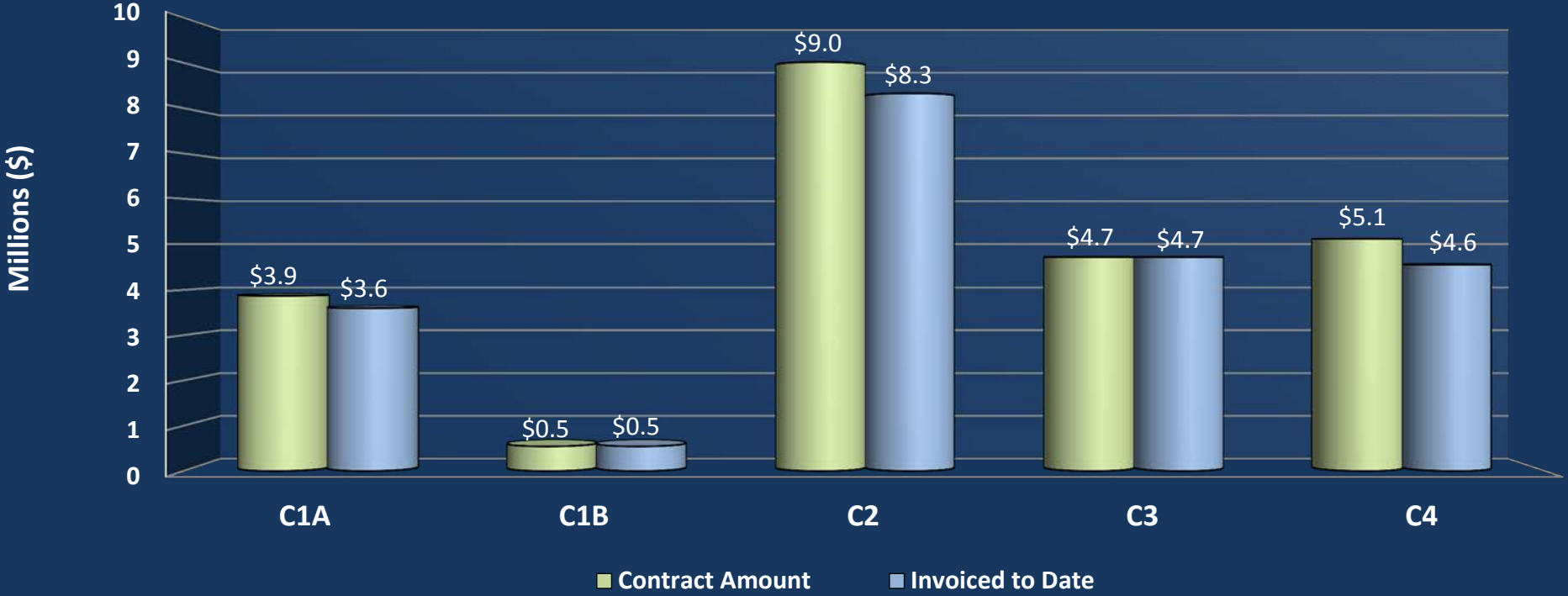











16-inch pipe trenchless bore pit installation along Maplewood Dr.



# SURFACE WATER TRANSMISSION SYSTEM "C" ROUTES - PROJECT DATA

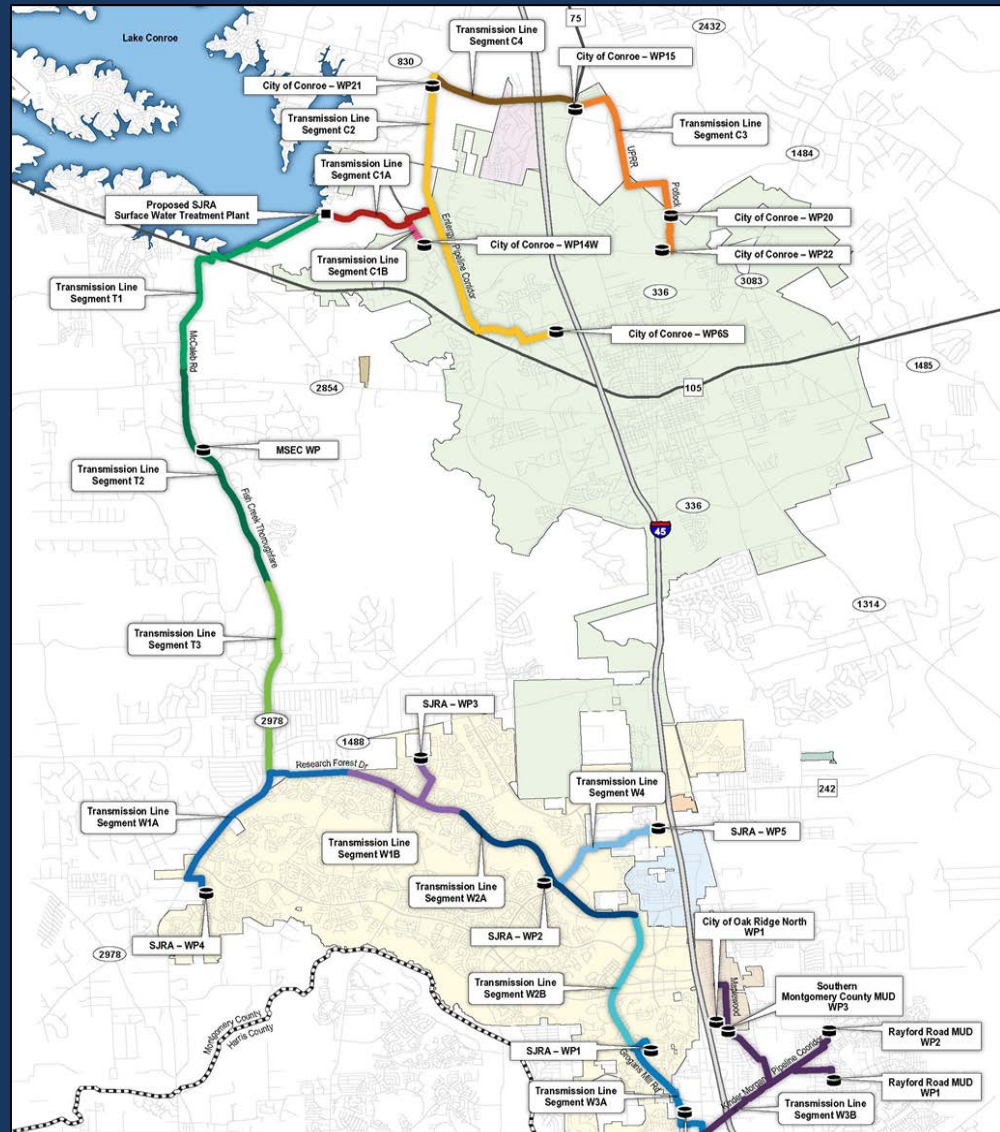


# SURFACE WATER TRANSMISSION SYSTEM "C" ROUTES - PROJECT STATUS

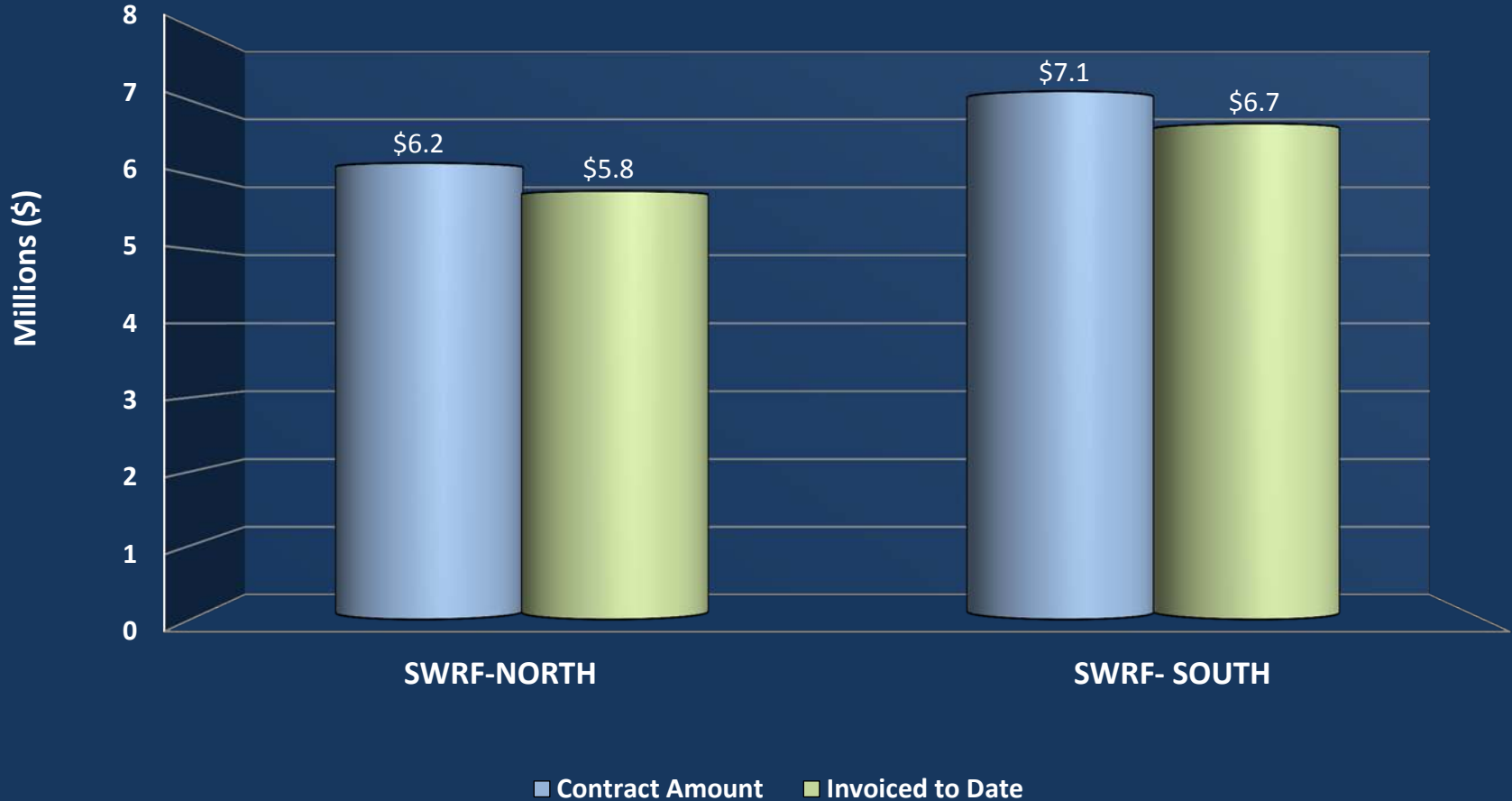
Line	Overall % Complete	Testing % Complete	Substantial Completion	Final Completion
C1A	93%	100%		
C1B	100%	100%		
C2	92%	50%		
C3	100%	100%		
C4	100%	100%		



# SURFACE WATER RECEIVING FACILITIES CONSTRUCTION PROGRESS




# SURFACE WATER TRANSMISSION SYSTEM RECEIVING FACILITIES - PROJECT DATA



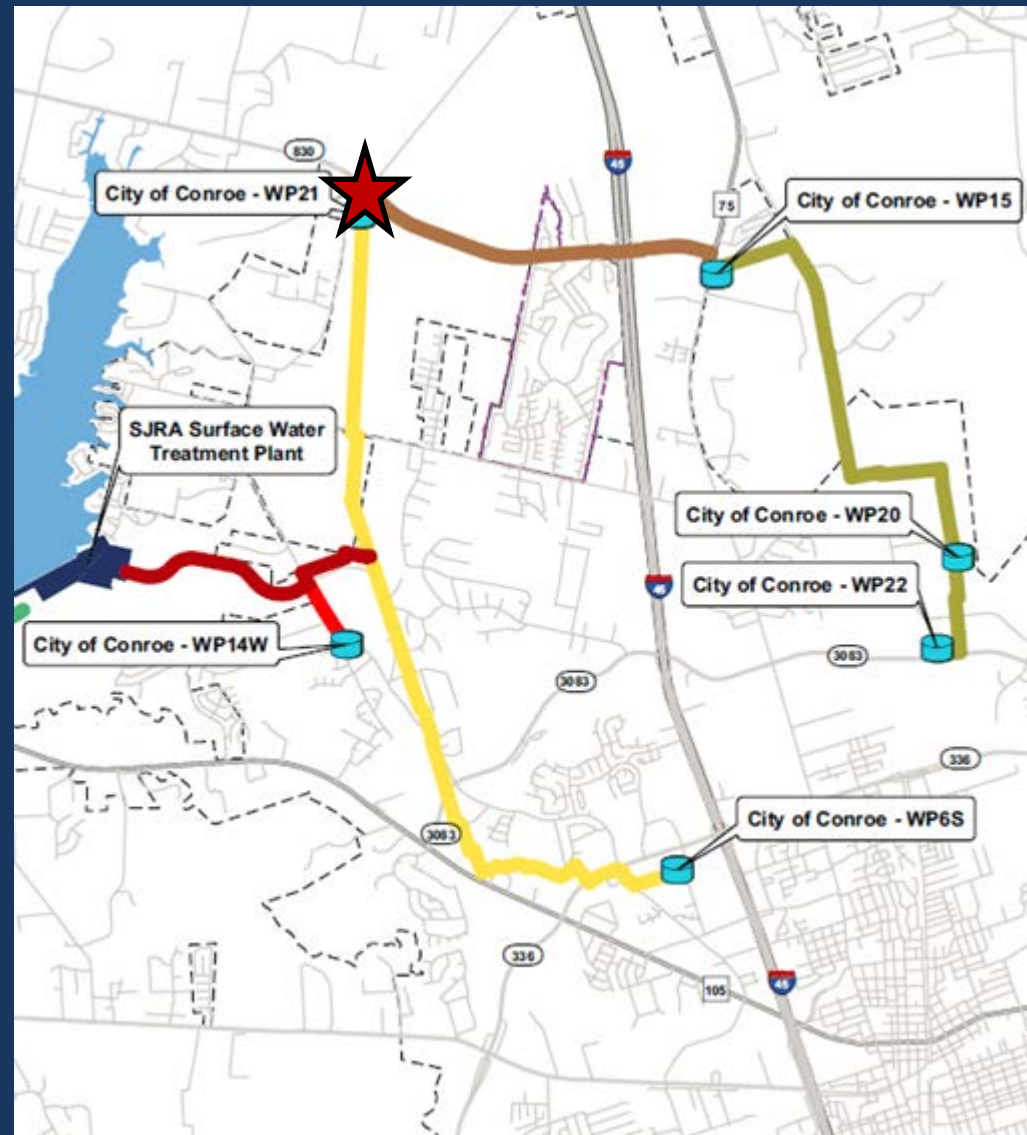


# SURFACE WATER TRANSMISSION SYSTEM RECEIVING FACILITIES - PROJECT STATUS

Facility	Overall % Complete	Testing % Complete	Substantial Completion	Final Completion
South	94%	95% *		
North	94%	100% *		

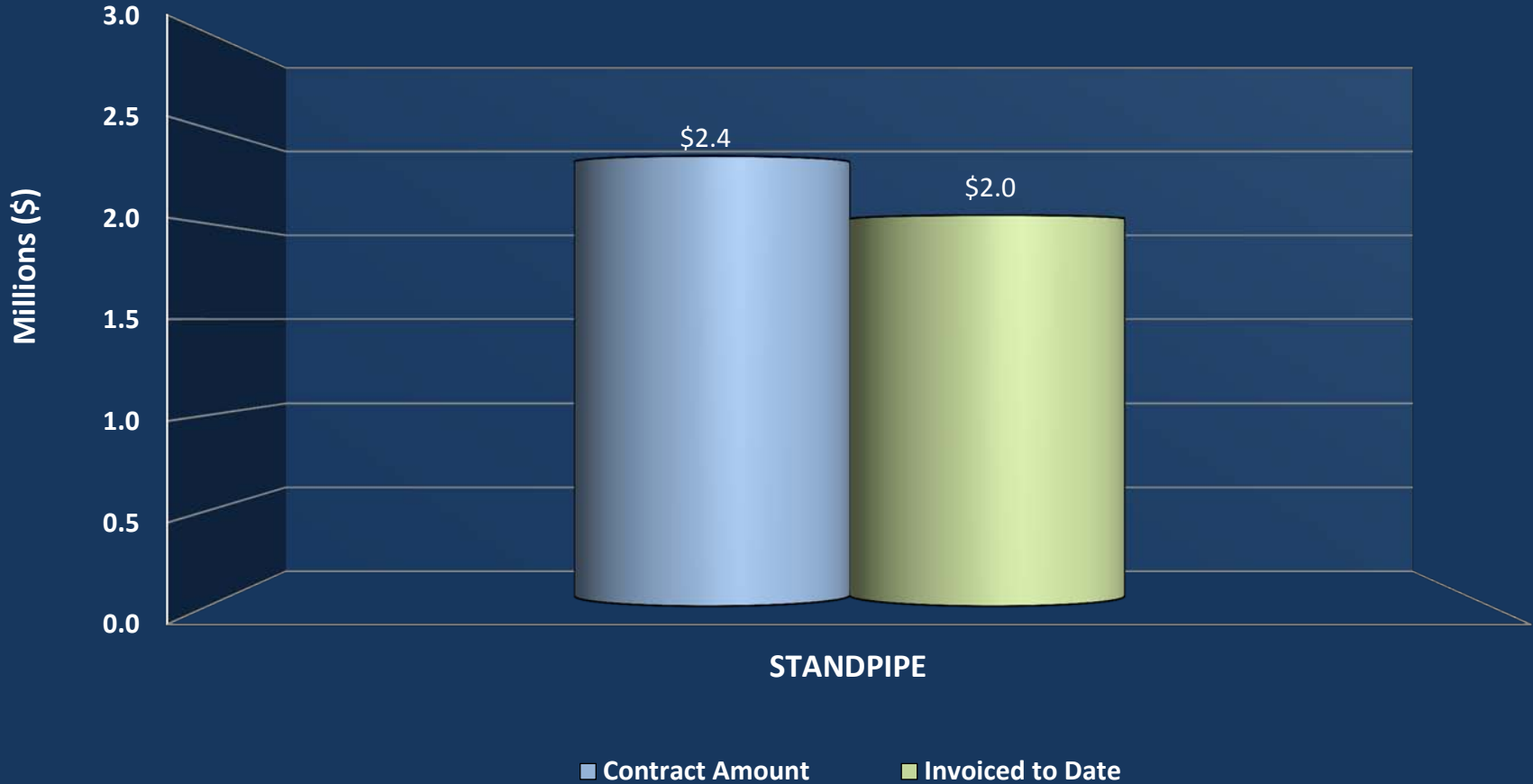
\* All Pre-Operational testing is complete. Operational testing cannot be conducted until SJRA begins water flow in the system.

# SURFACE WATER STANDPIPE CONSTRUCTION PROGRESS





# SURFACE WATER TRANSMISSION SYSTEM STANDPIPE - PROJECT DATA

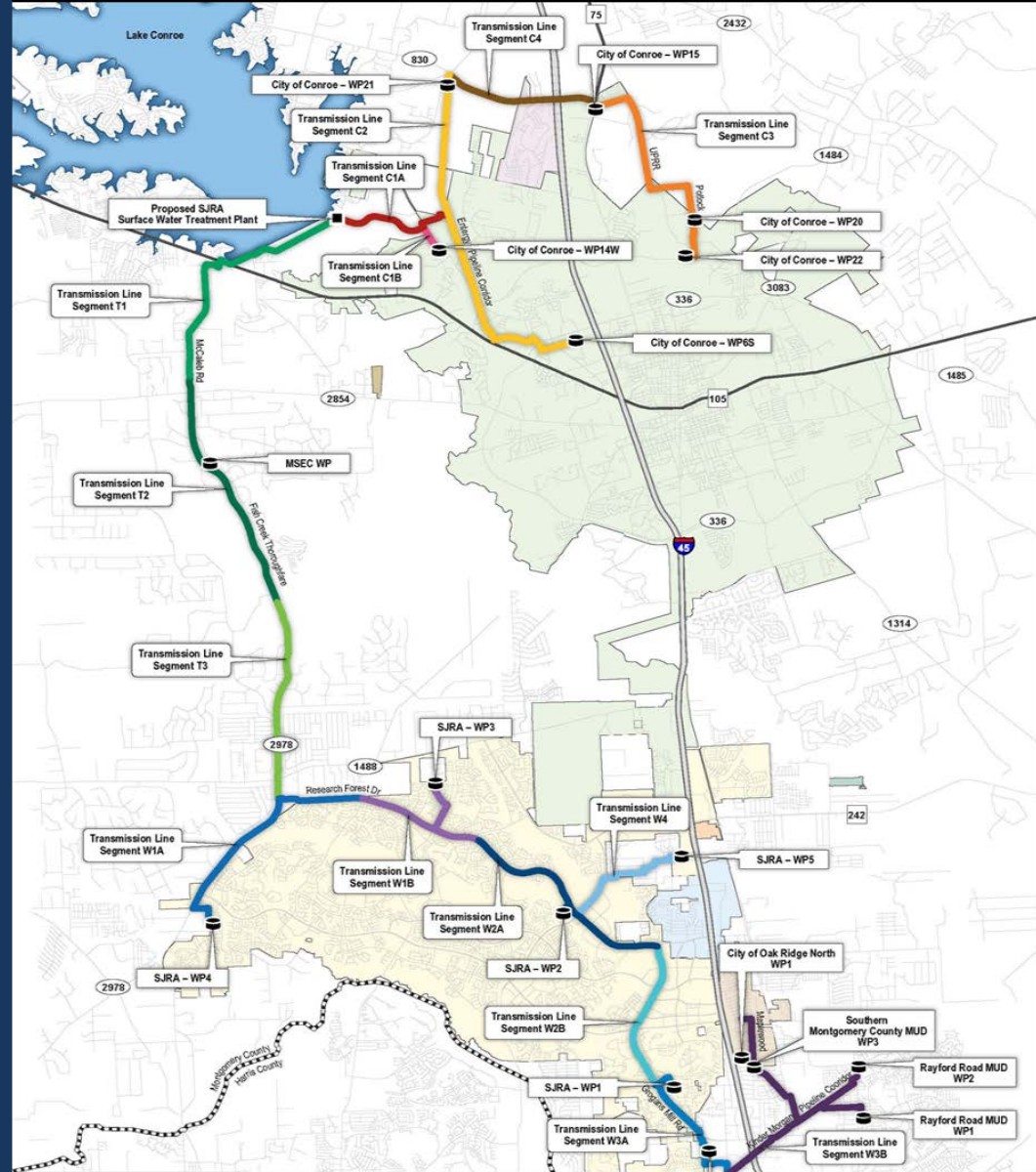




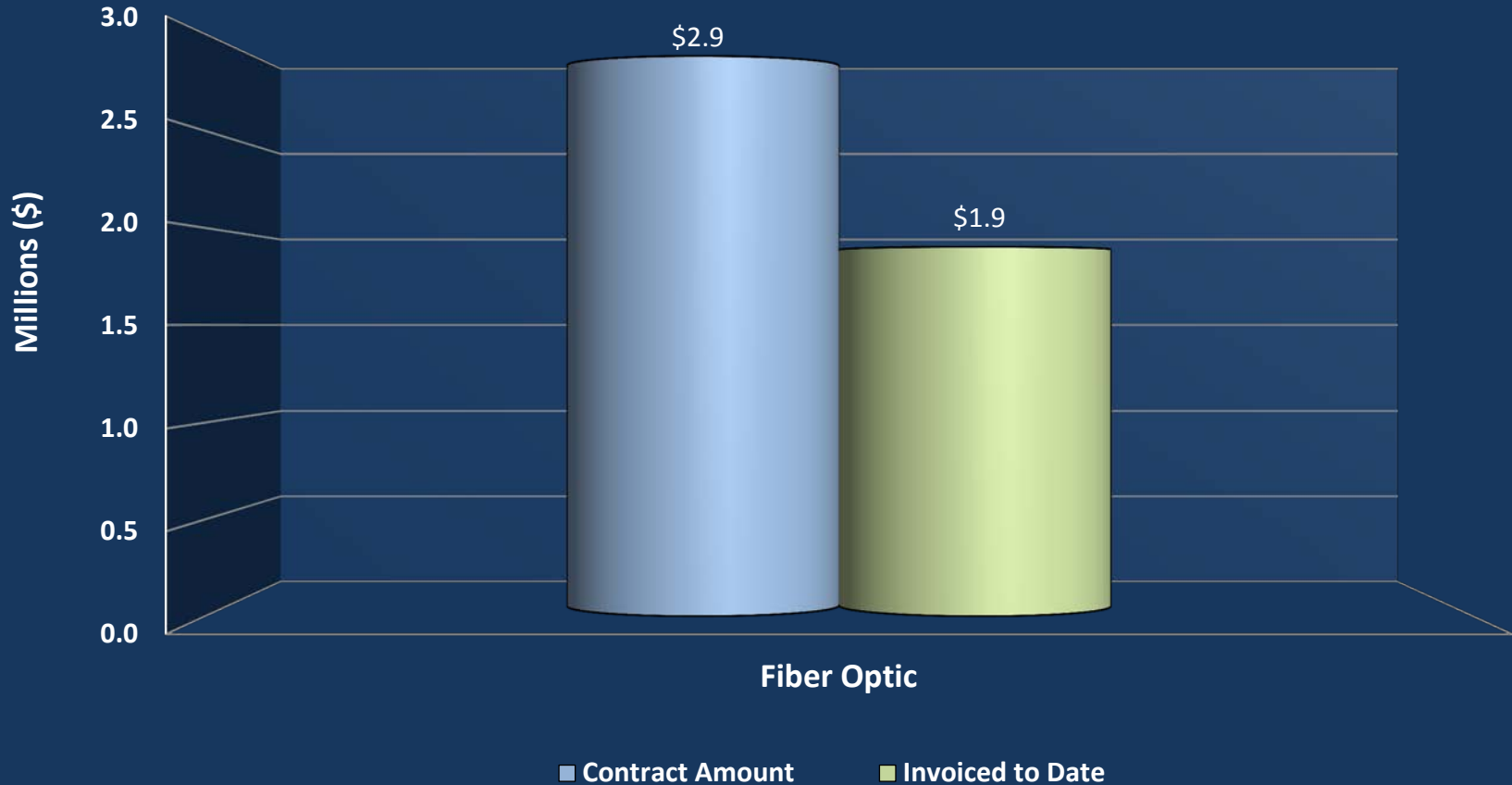
Final grading, aboveground pipe coating, and fencing complete.



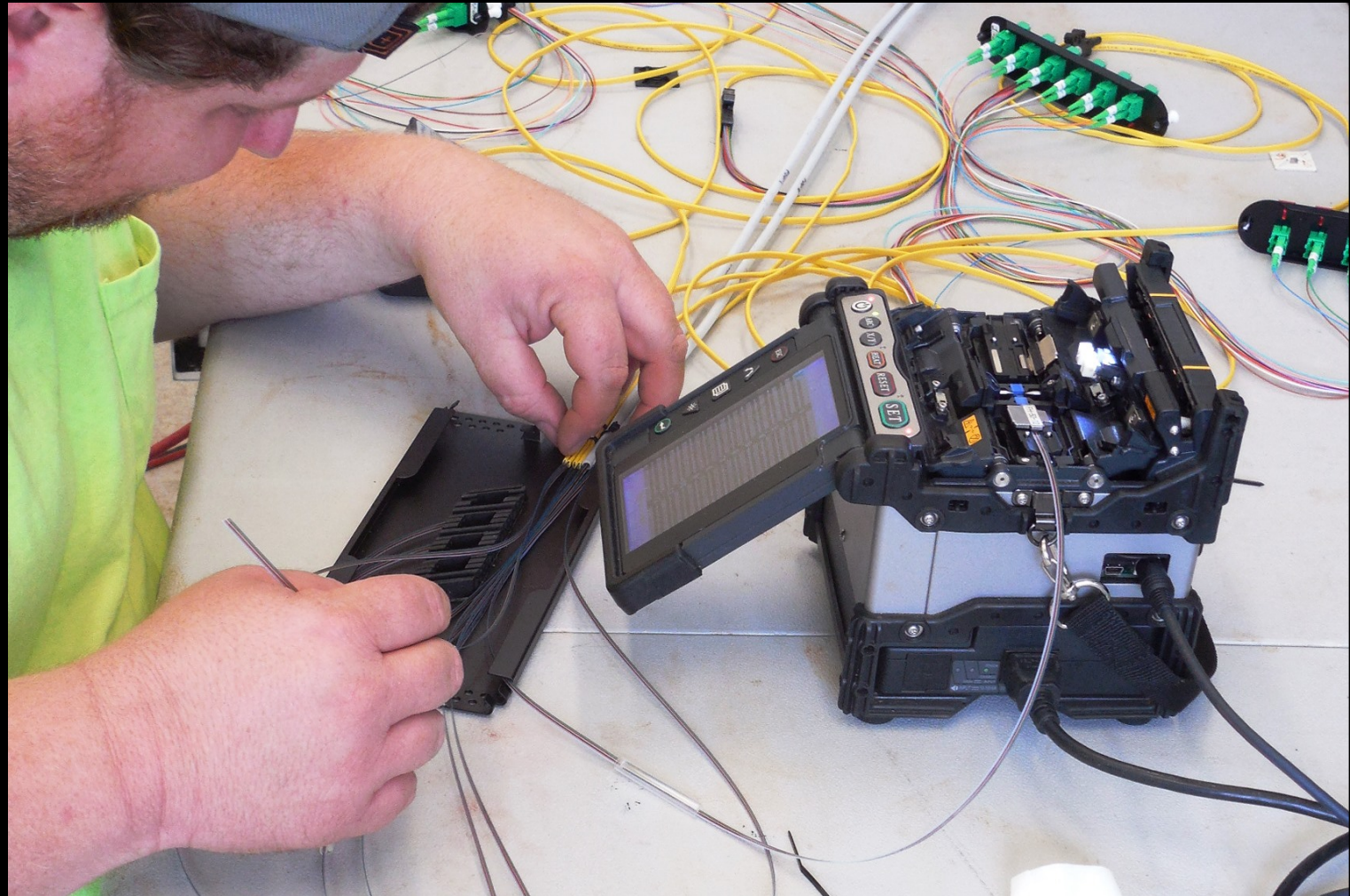
# FIBER OPTIC COMMUNICATION CONSTRUCTION ADMINISTRATION



# SURFACE WATER TRANSMISSION SYSTEM FIBER OPTIC - PROJECT DATA



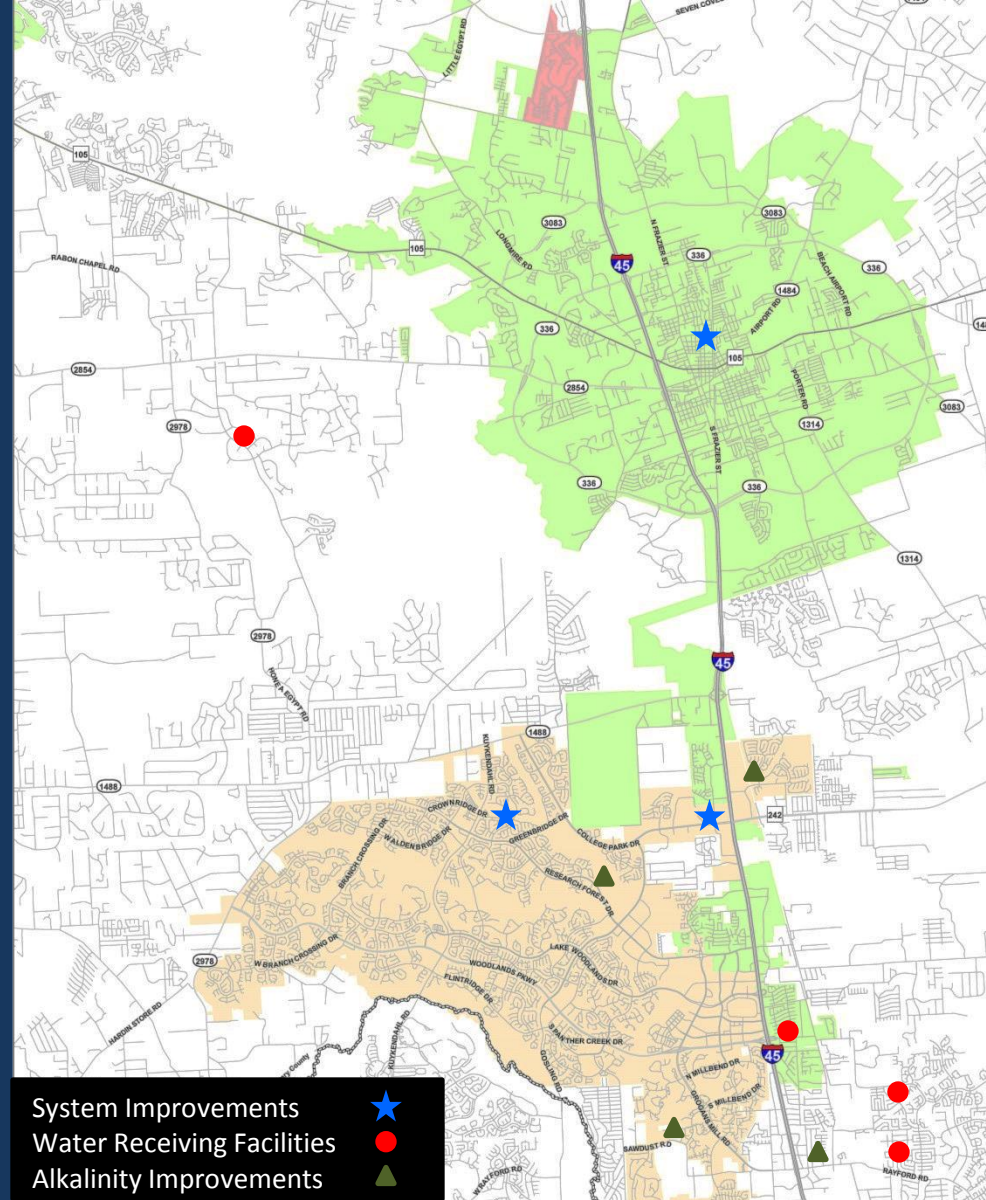




Fiber optic testing and termination at Water Receiving Facility

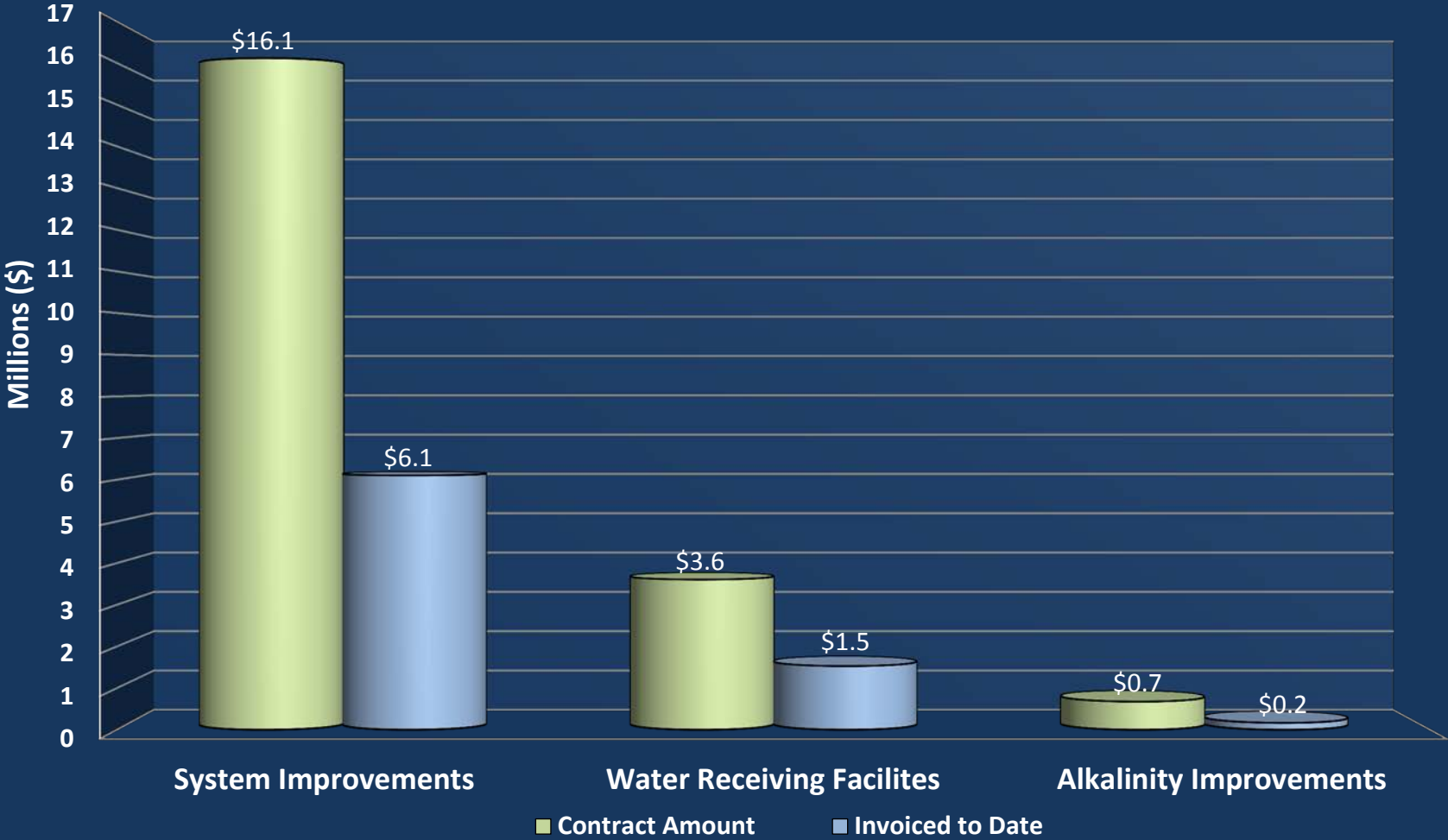
# Facility Improvements By GRP Participants (Contract Amount)

System Improvements	\$ 16,117,794.31
Water Receiving Facilities	\$ 3,603,916.98
Alkalinity Improvements	\$ 674,997.00
<b>Total System Improvements</b>	<b>\$20,396,708.29</b>





# FACILITY IMPROVEMENTS BY GRP PARTICIPANTS





Rayford Road Water Receiving Facility



Oak Ridge North Water Receiving Facility



Mid-South Water Receiving Facility



System Improvement at Conroe WP No. 6



# SURFACE WATER TRANSMISSION SYSTEM CONSTRUCTION PROGRESS

## QUESTIONS?



# SJRA GRP Program Staffing

