

GRP PROGRAM CONSTRUCTION PROGRESS



**GRP Review
Committee
Meeting
October 28, 2013**



**SJRA Board
of Directors
Meeting
October 31, 2013**

SURFACE WATER FACILITY CONSTRUCTION ADMINISTRATION

Project Data Thru 09/30/2013

Contracted Amount:	\$190,704,740.00
Change Orders:	\$ 0.00
Estimate to Complete:	\$190,704,740.00
Amount Invoiced:	\$ 53,792,302.00
Percent Complete:	28%
Completion Date:	June 2015



SURFACE WATER FACILITY CONSTRUCTION ADMINISTRATION

Project Data Thru 09/30/2013

Daily workforce:	310 workers
Concrete placed to date:	28,600 CYs (3,170 Trucks)
Rebar placed to date:	3,400 Tons
Average cost per day:	\$228,016



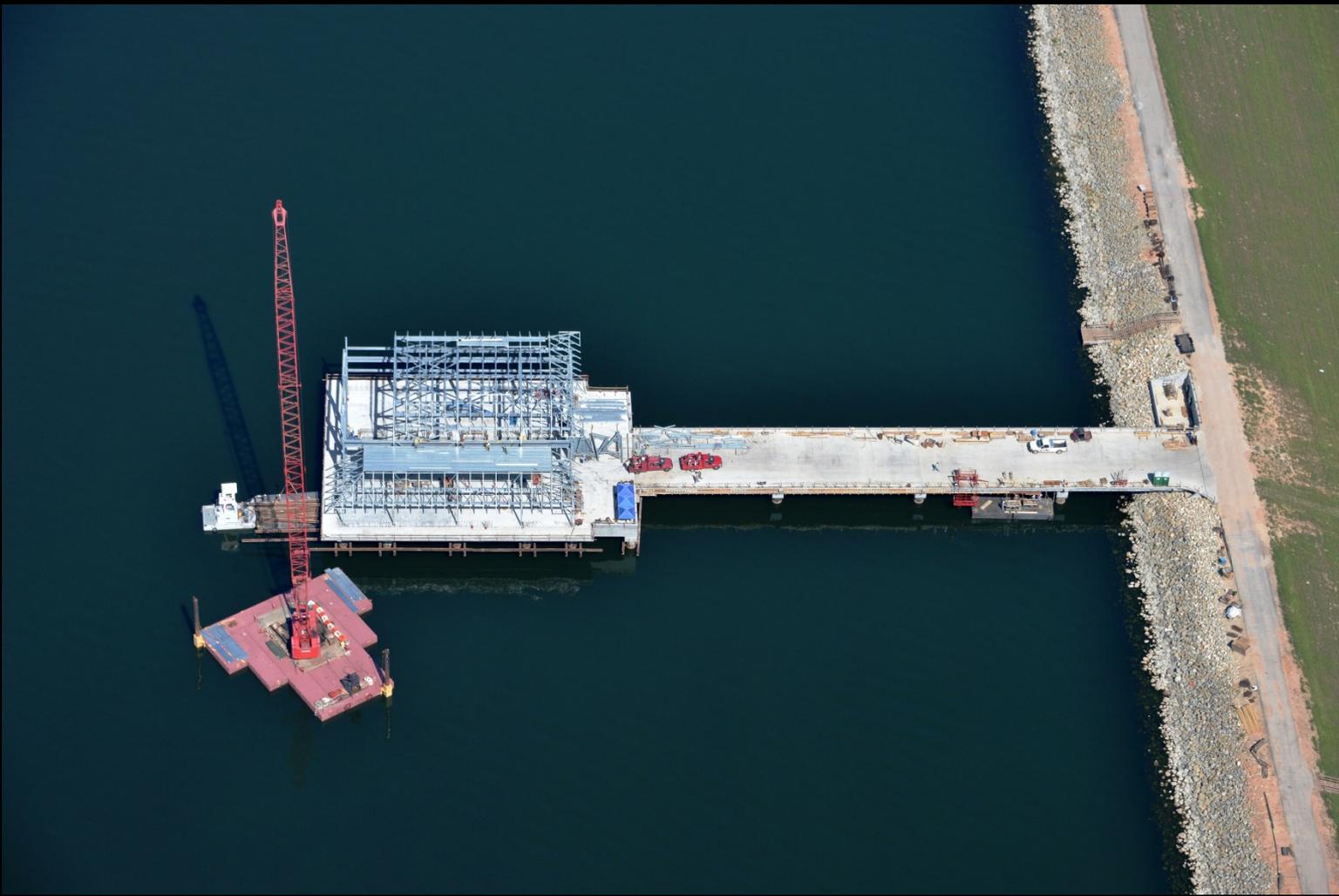


**Raw Water Intake
and Pump Station**





September Progress Photograph



Aerial view – Raw Water Intake steel erection



Raw Water Intake steel erection



**Pretreatment
Facilities**



September Progress Photograph



Aerial view – Pretreatment wall installation



**Membrane
Building**





September Progress Photograph



Aerial view – Membrane foundation complete



Erection of pre-cast concrete frame

**GAC
Contractors**





September Progress Photograph



Aerial view - GAC



**Ground Storage
Tanks**





September Progress Photograph



Aerial view – GST 1 and 2



Interior view of GST 1 baffle walls



**High Service Pump
Station**





September Progress Photograph



Aerial view of HSPS – masonry installation



Discharge bay pipe installation at High Service Pump Station

An aerial photograph of a large construction site situated along a body of water. The site is characterized by extensive earthmoving, with large areas of brown soil and dirt. Several large, circular concrete structures are visible in the upper left quadrant. In the center, a red star is placed on the ground, with a white rectangular box containing the text "Electrical Facilities" positioned directly above it. To the right of the star, there are several rectangular concrete foundations and some partially completed buildings. A paved road curves through the site, and a parking lot with several vehicles is visible on the right side. The background features a dense forest of green trees on the left and a residential area with houses and swimming pools on the right. The water body is a deep blue color, and a long, narrow strip of land or dam runs along the top edge of the site.

**Electrical
Facilities**



September Progress Photograph



Electrical Building foundation complete and curing



**Chemical
Facilities**





September Progress Photograph



Aerial view – Chemical Building lower foundation



**Backwash
Equalization
Basin**



September Progress Photograph



Aerial view - Backwash Equalization Basin stone backfill



Mat foundation installation at the Backwash Equalization Basin



**Warehouse
Building**





September Progress Photograph



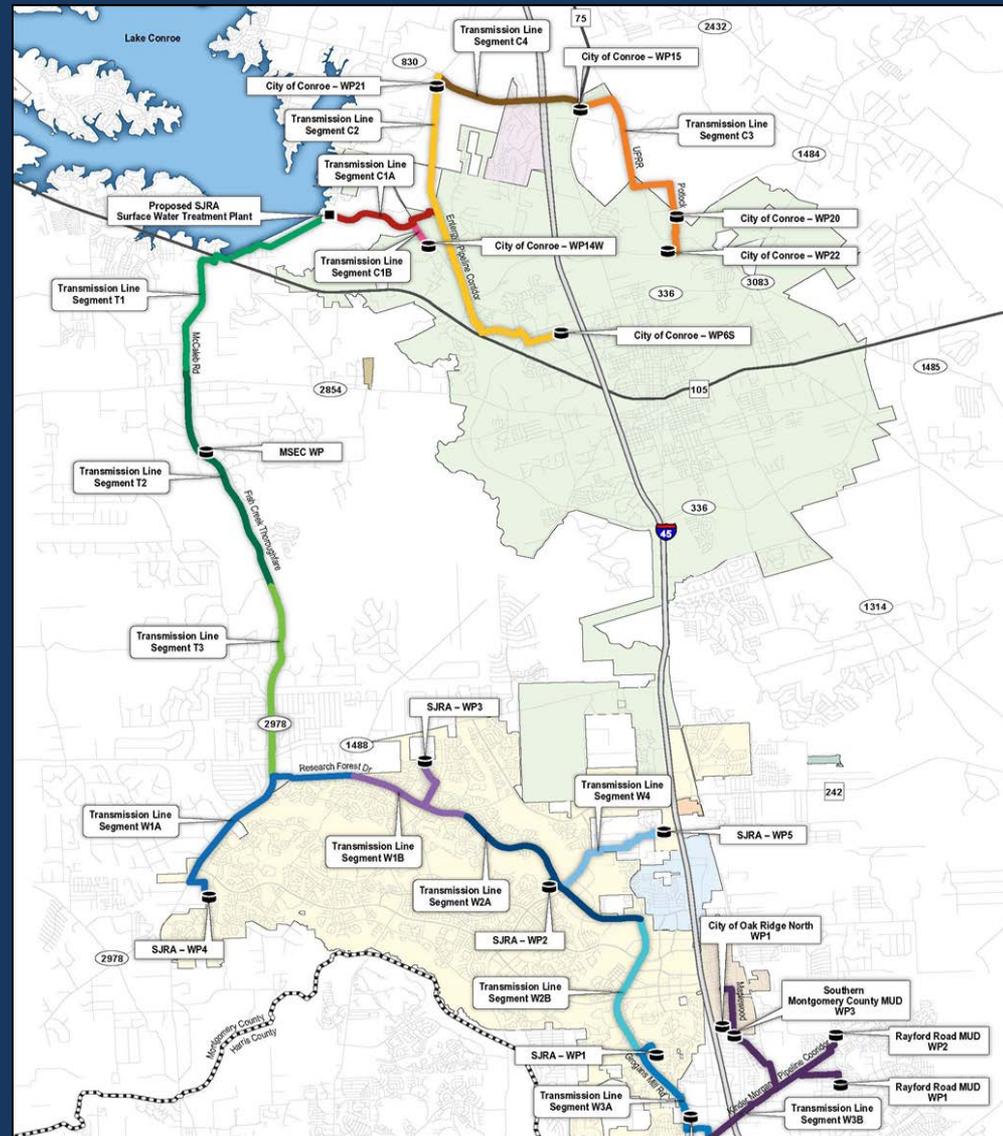
Aerial view of Warehouse – roofing and masonry installation

SURFACE WATER FACILITY CONSTRUCTION PROGRESS

Questions?

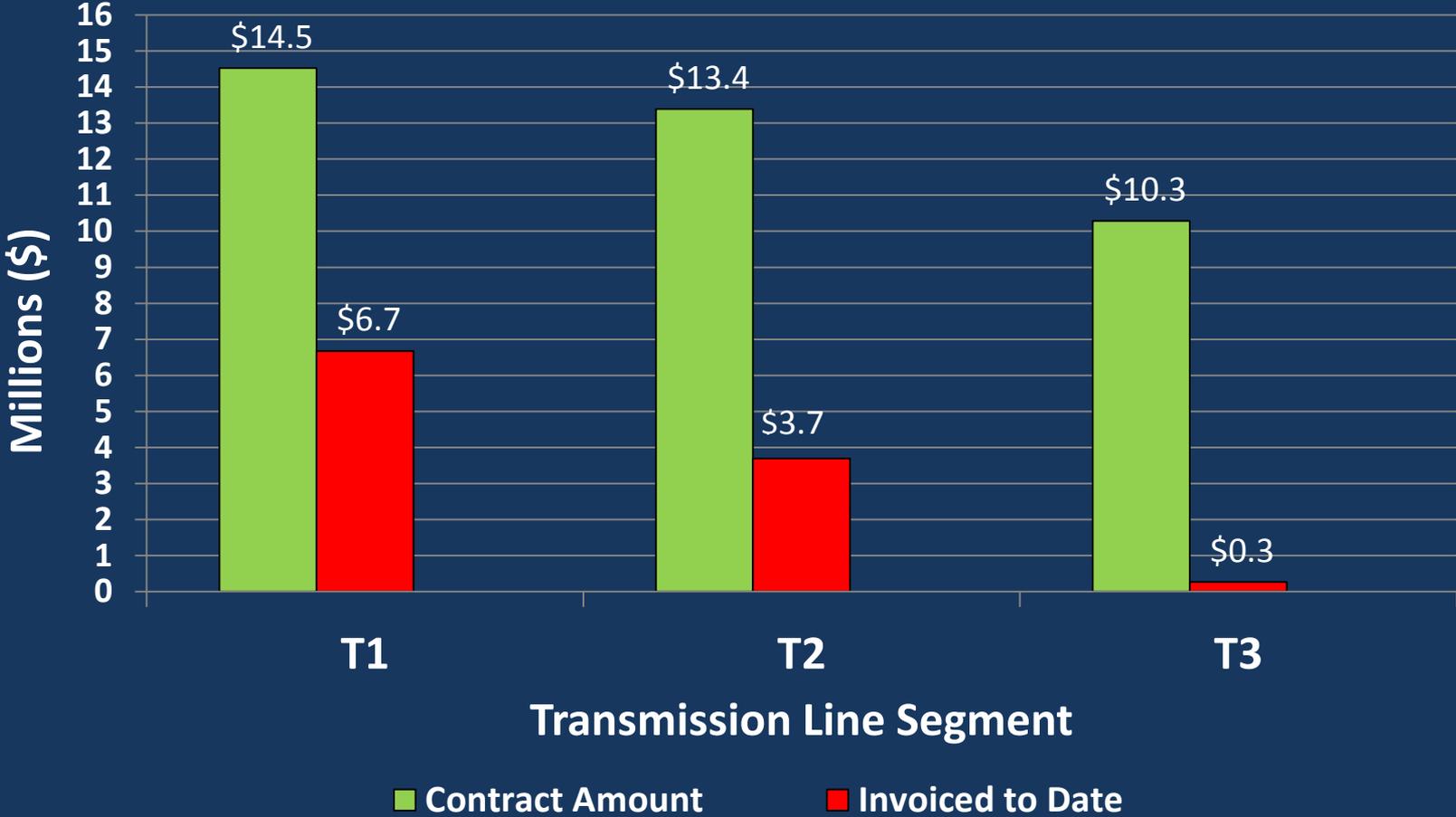


SURFACE WATER TRANSMISSION SYSTEM CONSTRUCTION PROGRESS



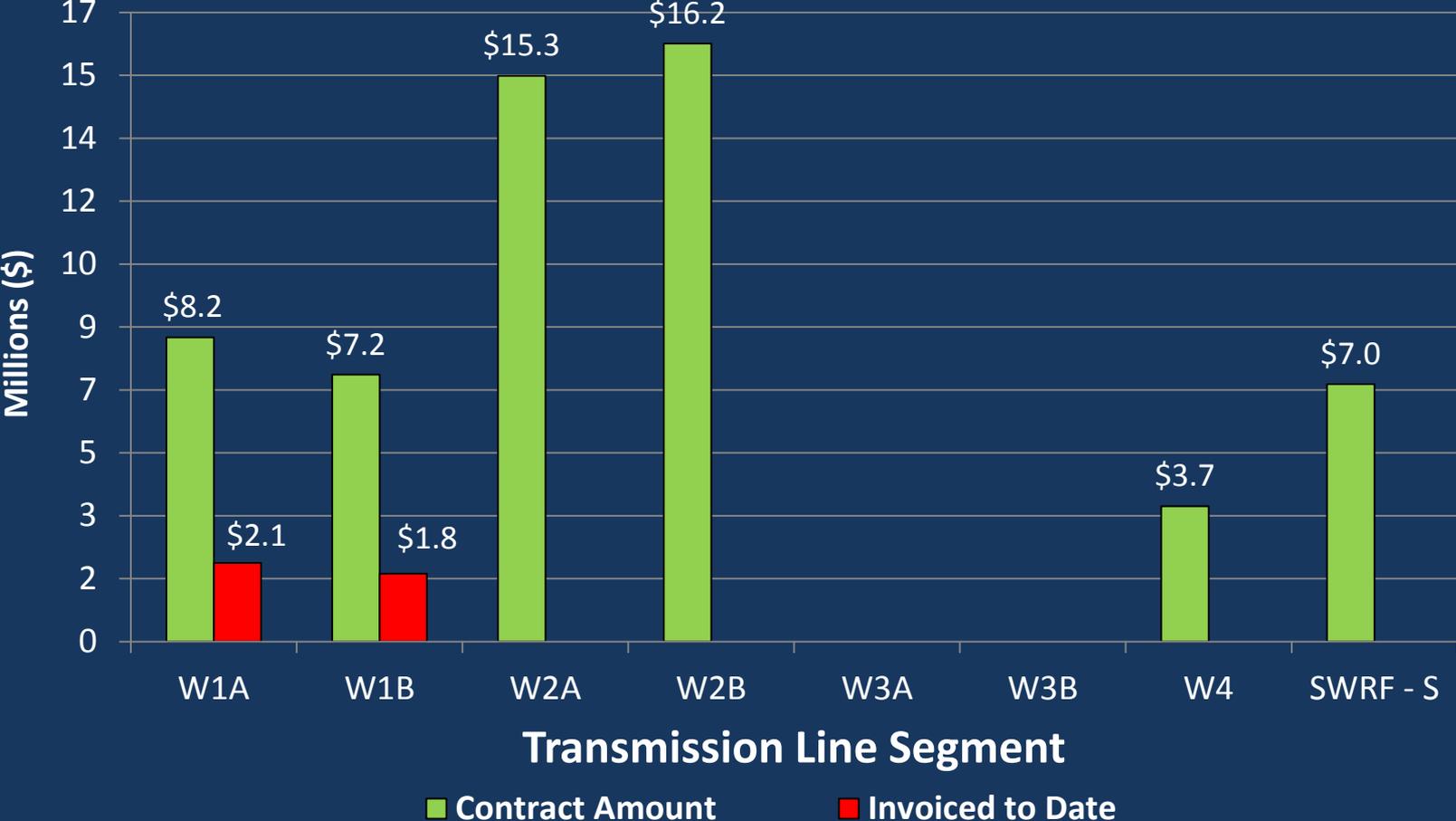
SURFACE WATER TRANSMISSION SYSTEM

"T" ROUTES – PROJECT DATA



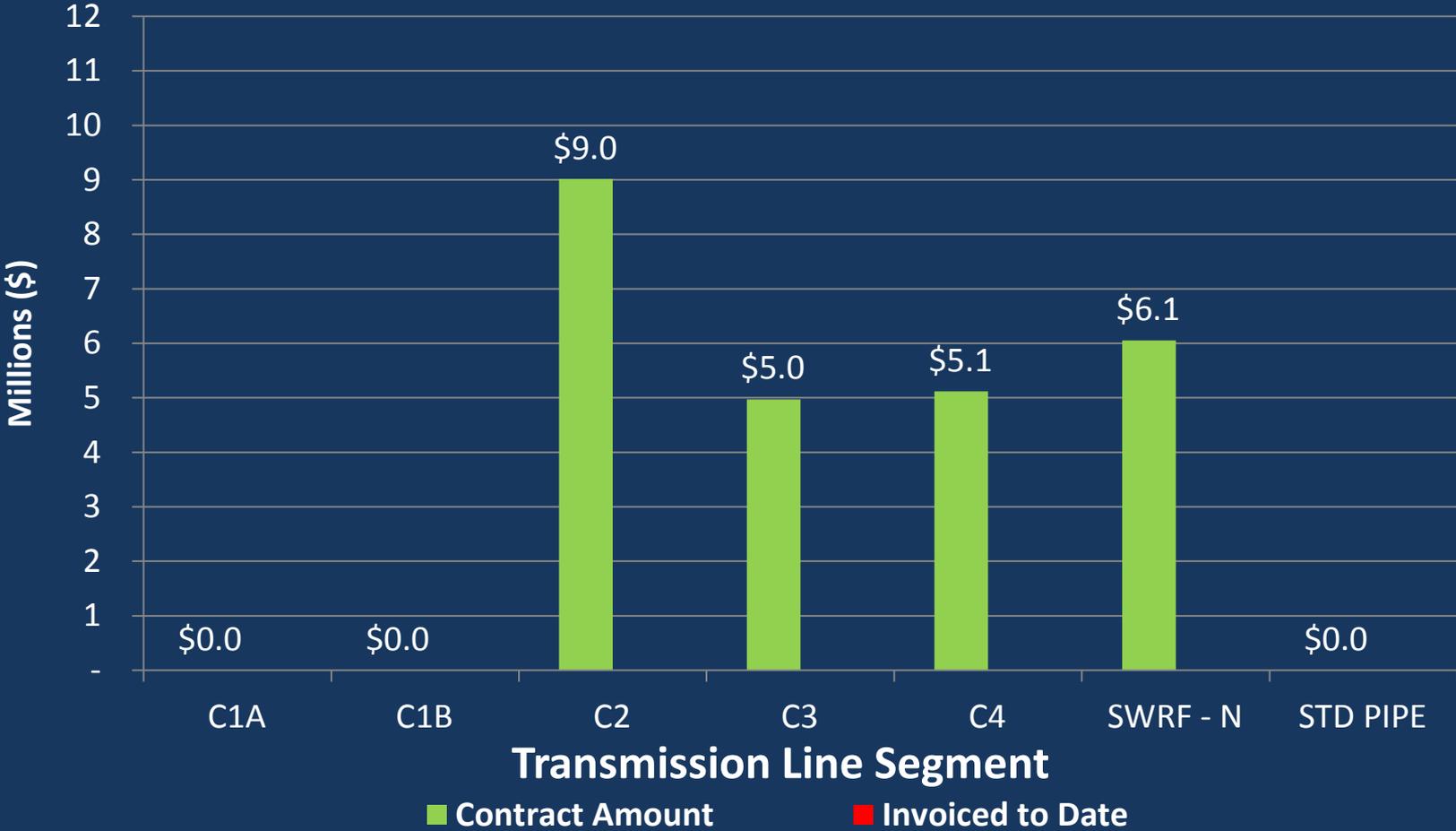
SURFACE WATER TRANSMISSION SYSTEM

“W” ROUTES – PROJECT DATA



SURFACE WATER TRANSMISSION SYSTEM

"C" ROUTES – PROJECT DATA



TRANSMISSION LINE SYSTEM CONSTRUCTION ADMINISTRATION

Project Data Thru 09/31/2013

Daily workforce:	150 workers
Piping installed to date:	33,482 LF
Average cost per day:	\$132,317





Open cut operation at Lake Business Drive



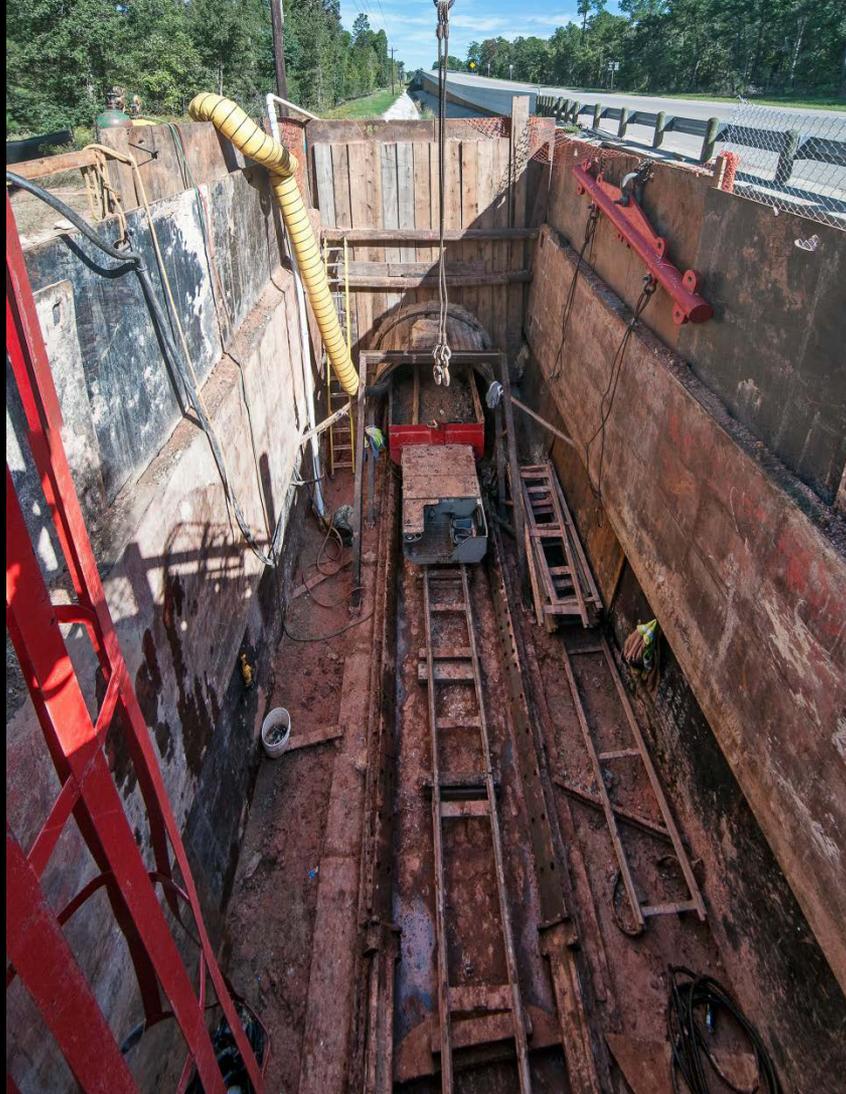
2854

Photo Location

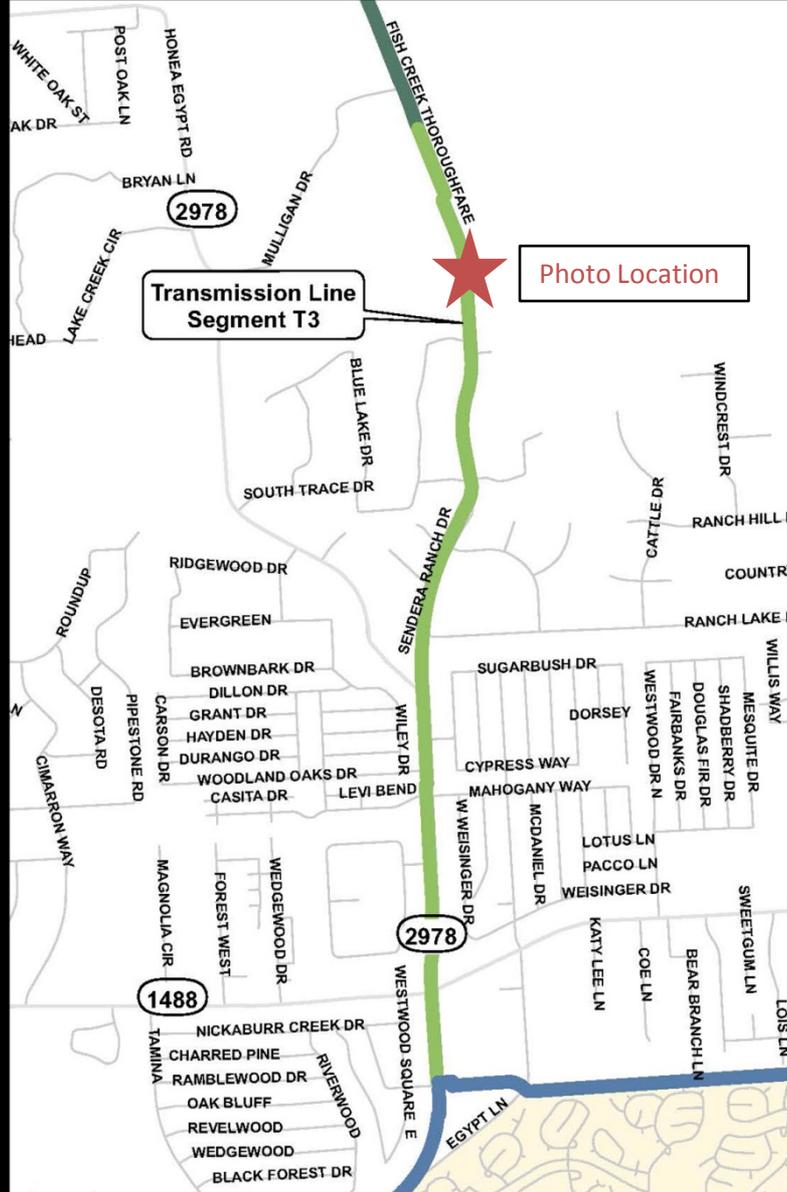
Transmission Line Segment T2

Line Segment T2

T2 Progress



Trenchless construction along Fish Creek near FM 2854



Line Segment T3

T3 Progress



Tunnel operation at Lake Creek



1488

Transmission Line Segment W1A

Photo Location

Transmission Line Segment W1B

Transmission Line Segment W2A

2978

Line Segment W1A

W1A Progress



Fusible PVC pipe operation along FM 2978



Transmission Line Segment W1A

Transmission Line Segment W1B

Transmission Line Segment W2A

Photo Location

Line Segment W1B

W1B Progress

1488

2978



Valve installation near Alden Bridge

Transmission Line Segment W2A

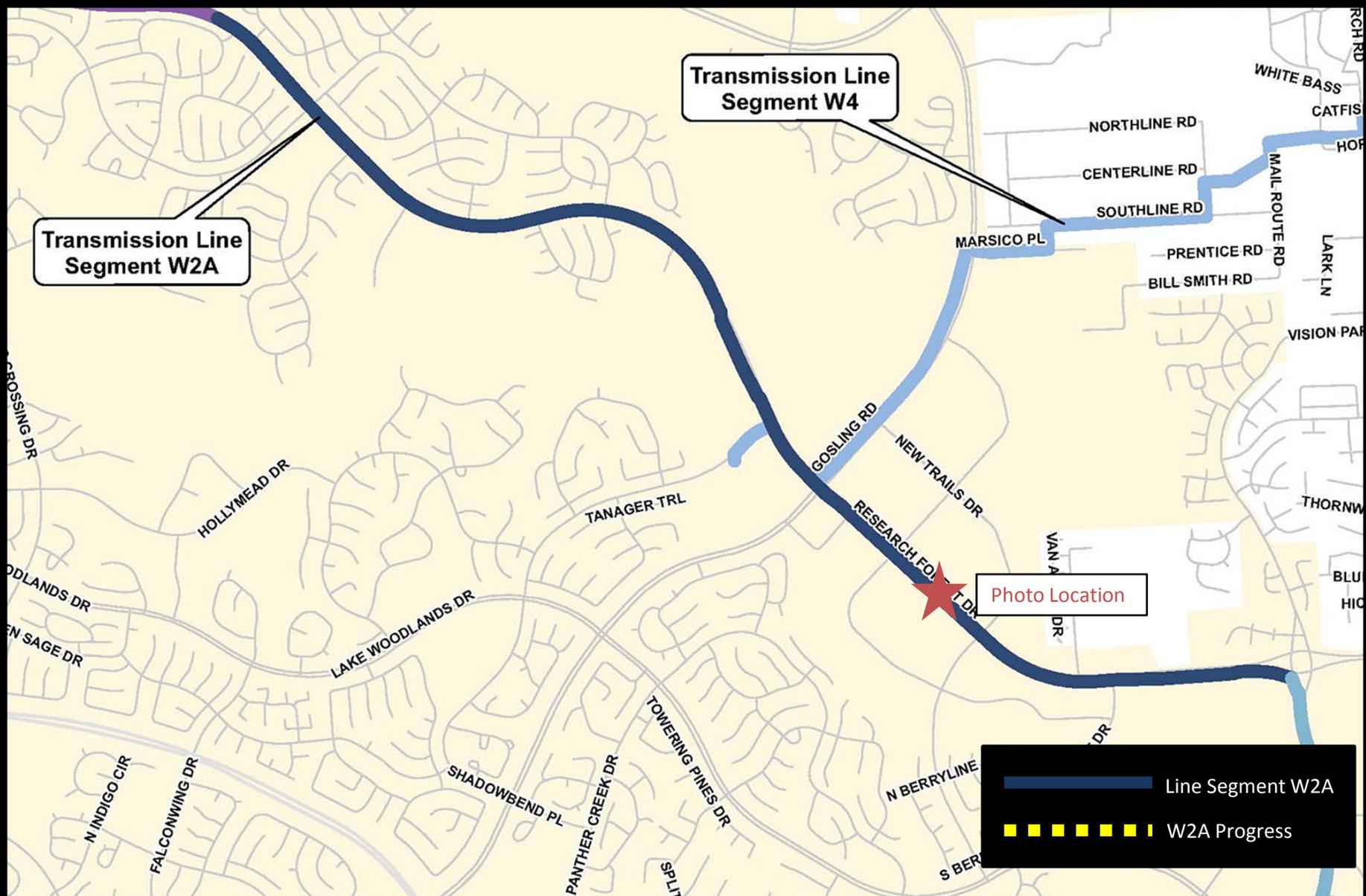
Transmission Line Segment W4

Photo Location

Line Segment W2A

W2A Progress

The legend is located in the bottom right corner of the map. It consists of a black rectangular box containing two entries. The first entry is a solid dark blue line segment followed by the text 'Line Segment W2A'. The second entry is a dashed yellow line segment followed by the text 'W2A Progress'.

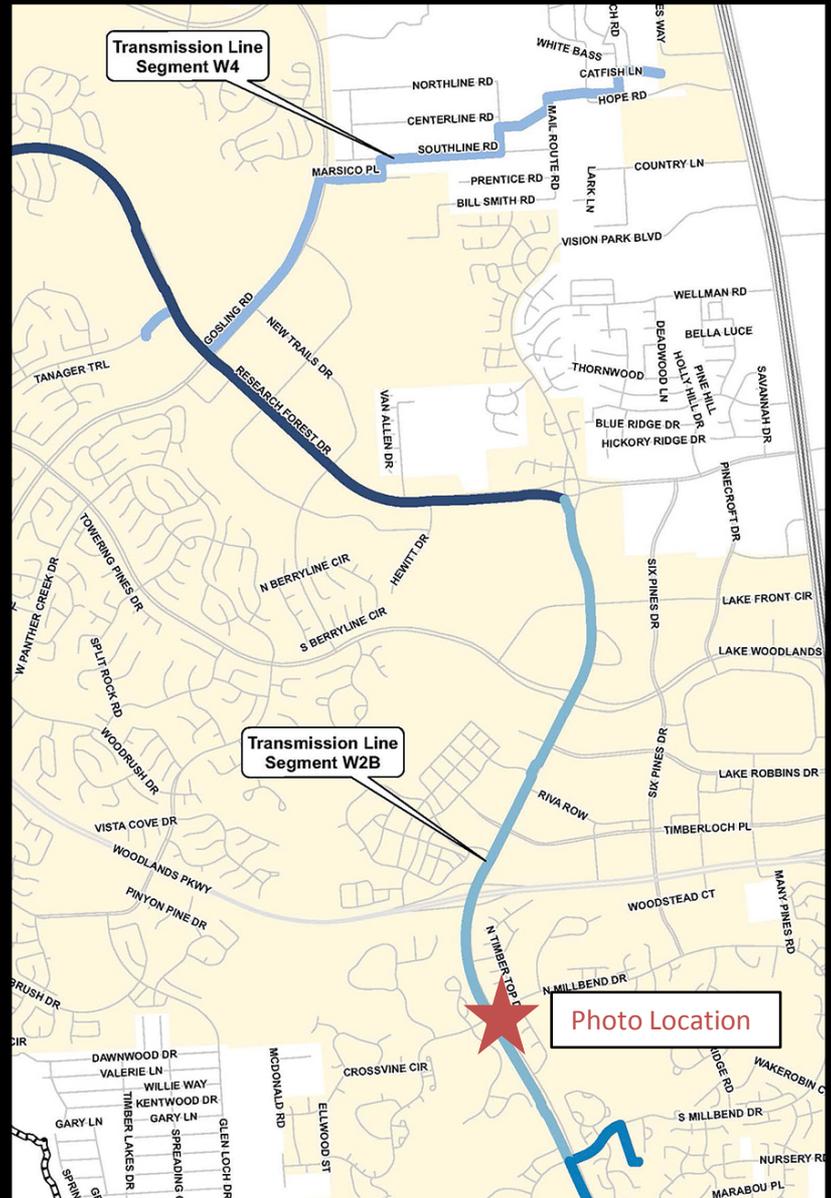




Road demolition along Research Forest Drive near Technology Forest Drive



Tunnel operation at Research Forest Drive and Gosling Road



Transmission Line Segment W4

Transmission Line Segment W2B

Photo Location

Line Segment W2B

W2B Progress



Open cut pipe installation and traffic control on Grogan's Mill Road near North Millbend Drive

SCHEDULE OF REMAINING TRANSMISSION SYSTEM PROJECTS

Project Name	Proposal Opening	Board Action Date	Notice to Proceed
Segment C1B	09/03/13	10/31/13	11/18/13
Segment C1A	09/17/13	10/31/13	11/18/13
Segment W3A	09/24/13	12/12/13	01/06/14
Segment W3B	11/13/13	12/12/13	01/06/14
Standpipe	11/13/13	12/12/13	01/06/14

SURFACE WATER TRANSMISSION LINE CONSTRUCTION PROGRESS

QUESTIONS?

