

GRP PROGRAM CONSTRUCTION PROGRESS



**GRP Review
Committee
Meeting
September 23, 2013**



**SJRA Board
of Directors
Meeting
September 26, 2013**

SURFACE WATER FACILITY CONSTRUCTION ADMINISTRATION

Project Data Thru 08/31/2013

Contracted Amount:	\$190,704,740.00
Change Orders:	\$ 0.00
Estimate to Complete:	\$190,704,740.00
Amount Invoiced:	\$ 46,679,536.00
Percent Complete:	25%
Completion Date:	June 2015



SURFACE WATER FACILITY CONSTRUCTION ADMINISTRATION

Project Data Thru 08/31/2013

Daily workforce: 310 workers

Concrete placed to date: 23,000 CYs (2,550 Trucks)

Average cost per day: \$232,260





**Raw Water Intake
and Pump Station**





August Progress Photograph



Steel erection and staging at Raw Water Pump Station



Steel erection and staging at Raw Water Pump Station



**Ground Storage
Tanks**





August Progress Photograph



Installation of appurtenances and finish coat



**High Service Pump
Station**





August Progress Photograph



Aerial view of the High Service Pump Station



Interior view of masonry wall construction



**GAC
Contractors**

This is an aerial photograph of a large construction site. A red star is placed on the ground to indicate the location of GAC Contractors. The site is situated between a dense forest on the left and a body of water on the right. Various construction materials, equipment, and partially completed structures are visible. A road runs along the bottom of the site, and a parking lot with several vehicles is located to the right. In the background, near the water, there are two large white storage tanks and a small dock with a crane.



August Progress Photograph



Aerial view of the GAC Building



Rebar installation for the 2nd floor concrete deck



Rebar installation for contactor wall



**Membrane
Building**



August Progress Photograph



Aerial view of the Membrane Building



Flowable fill placement at Membrane Building



Foundation placement at Membrane Building

An aerial photograph showing a large-scale construction project for a wastewater treatment facility. The site is situated along a body of water, with a dense forest to the left and a residential area to the right. The construction area is filled with dirt, gravel, and various pieces of heavy machinery. Several large circular tanks are visible in the upper left, and a large rectangular building is under construction in the center. A red star is placed on the construction site, pointing to a specific area. A white box with black text is positioned above the star, containing the words "Pretreatment Facilities".

**Pretreatment
Facilities**



August Progress Photograph



Continuation of Pretreatment Structure foundation installation



Aerial view of the Pretreatment Structure



This is an aerial photograph of a large-scale construction project situated along a body of water. The site is characterized by extensive areas of cleared, brown earth, with various construction materials and equipment scattered throughout. Several large, circular concrete structures, likely for water storage or treatment, are visible in the upper left. A dense forest of green trees occupies the left side of the image. A road or path runs along the bottom, and a residential area with houses and swimming pools is visible on the right. A red star is placed on the ground, pointing to a specific area, which is labeled with a text box.

**Electrical
Facilities**



August Progress Photograph



Structural backfill at Power Supply Building



Electrical rough-in at Power Supply Building



This aerial photograph shows a large-scale construction project for a chemical facility. The site is situated along a body of water, with a dense forest to the left and a residential neighborhood to the right. Key features include two large white storage tanks, several industrial buildings under construction, and a network of roads and parking areas. A red star is placed on the image to highlight a specific location within the facility.


**Chemical
Facilities**



August Progress Photograph



Concrete and rebar placement at the Chemical Building



An aerial photograph showing a large-scale construction project. A red star is placed on a cleared, sandy area in the center of the site, indicating the location of the 'Backwash Equalization Basin'. To the left of this area is a dense forest. To the right, there are several large, rectangular concrete structures under construction, along with a parking lot and a building. In the background, a body of water is visible, with a long pier or breakwater extending into it. Two large, circular storage tanks are located near the water's edge. The overall scene depicts a major infrastructure project in a coastal or lakeside area.

**Backwash
Equalization
Basin**



Mass excavation at the Backwash Equalization Basin



Subgrade preparation complete at the Backwash Equalization Basin



**Warehouse
Building**



Aerial view of the Warehouse Foundation



Steel erection at Warehouse



Steel erection complete at Warehouse

SURFACE WATER FACILITY CONSTRUCTION PROGRESS

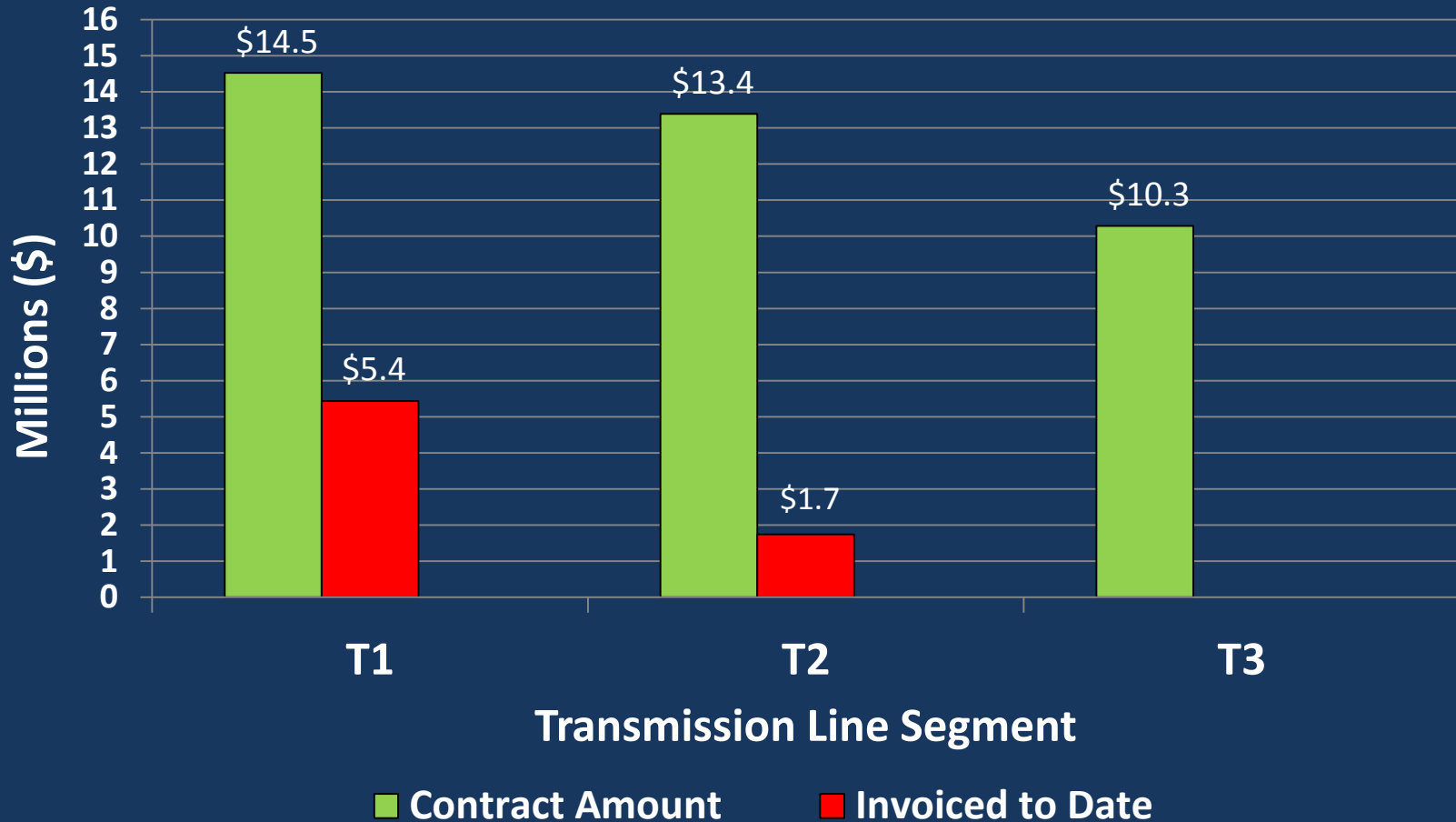
Questions?



The map illustrates the proposed transmission system for the San Jacinto River Authority (SJRA). It shows various transmission line segments (C1A, C1B, C1C, C2, C3, C4, T1, T2, T3, W1A, W1B, W2A, W2B, W3A, W3B) and substations (WP1, WP2, WP3, WP4, WP5, WP6S, WP14W, WP15, WP20, WP22) across the region. The map includes Lake Conroe, major roads (2432, 1484, 336, 105, 1485, 1314, 242, 2978, 1488, 2854, 830, 75), and the proposed SJRA Surface Water Treatment Plant. The map also shows the boundaries of Montgomery County, Harris County, and the City of Conroe.

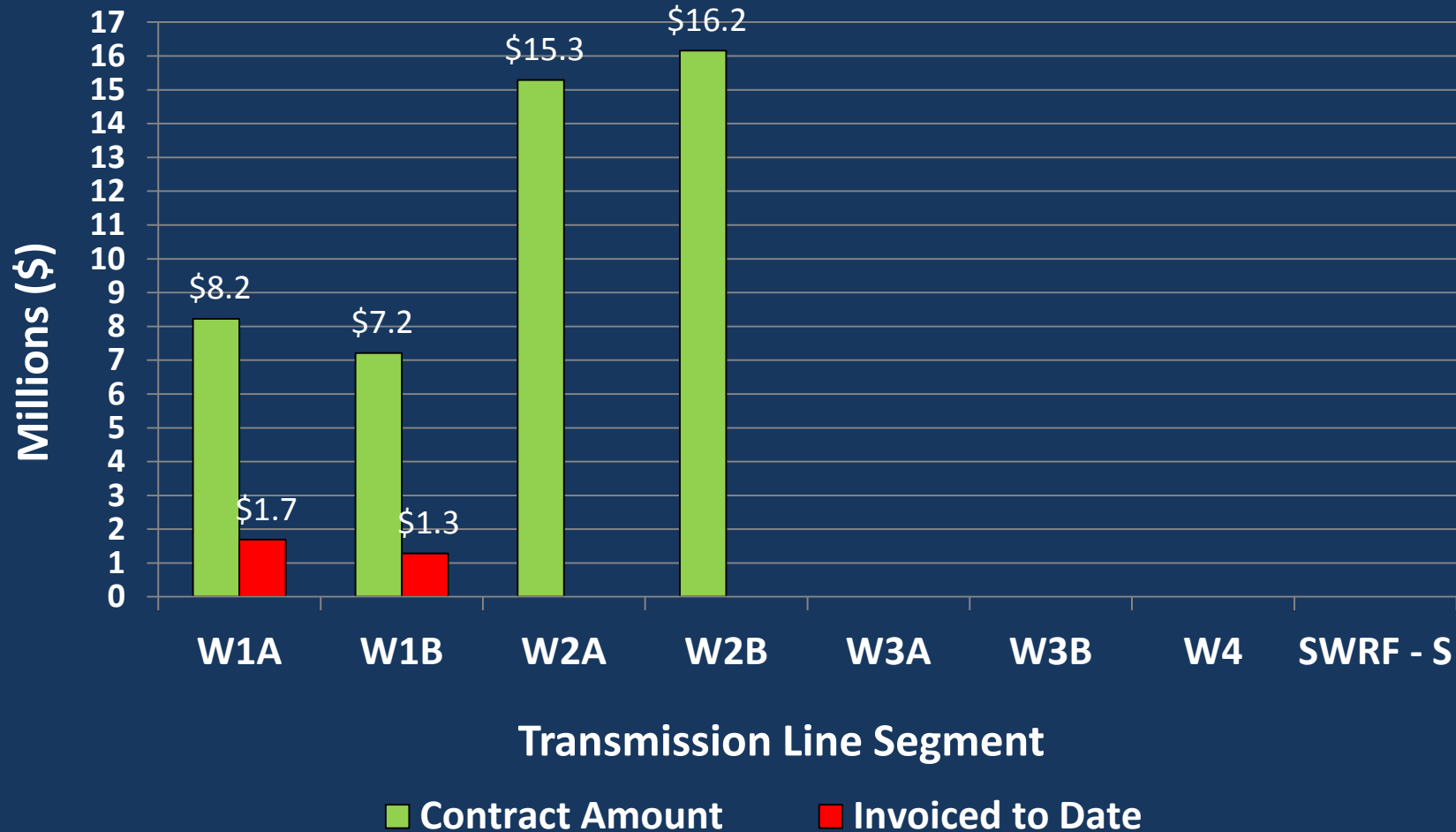
SURFACE WATER TRANSMISSION SYSTEM

"T" ROUTES – PROJECT DATA



SURFACE WATER TRANSMISSION SYSTEM

“W” ROUTES – PROJECT DATA

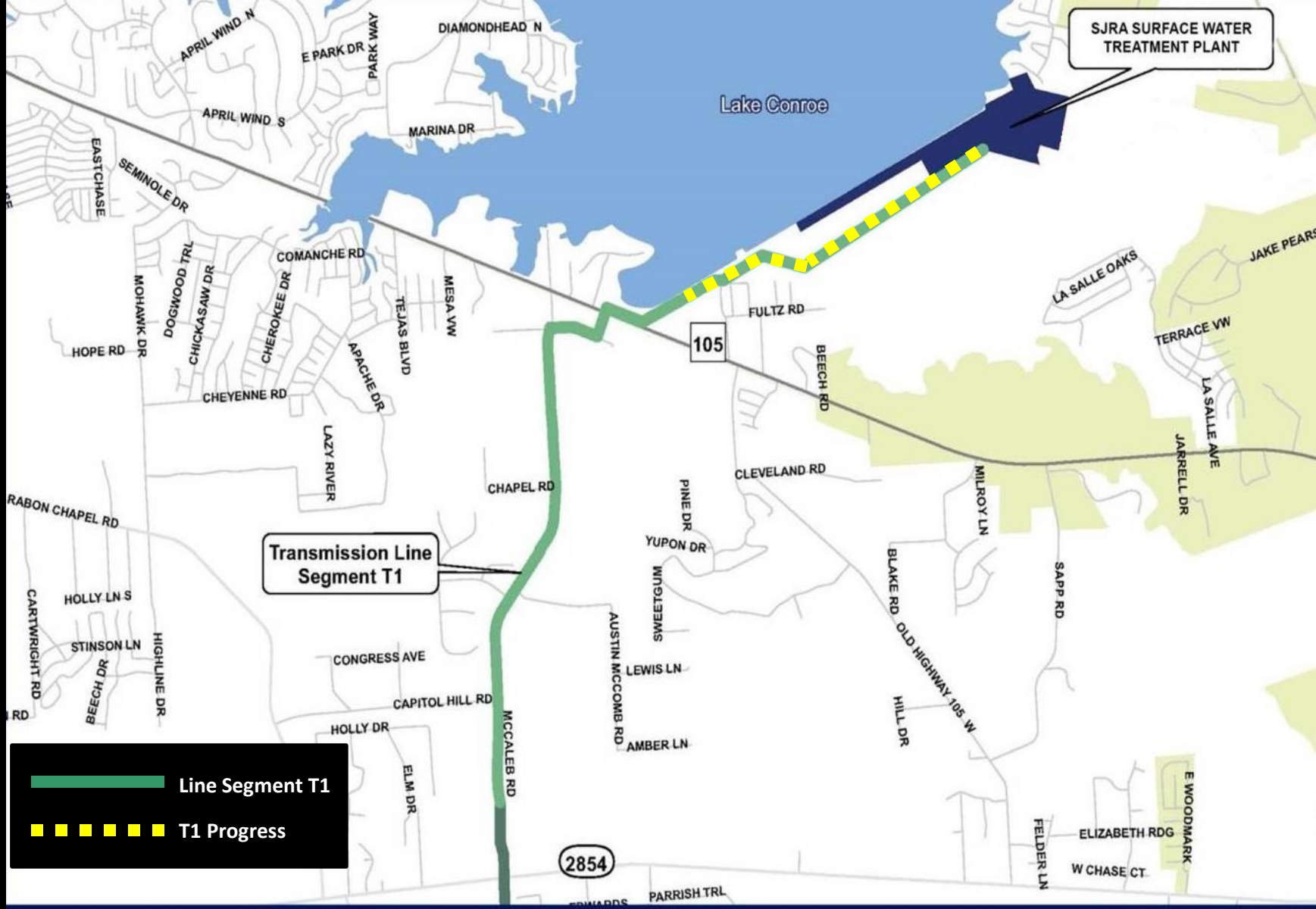


TRANSMISSION LINE SYSTEM CONSTRUCTION ADMINISTRATION

Project Data Thru 08/31/2013

Daily workforce:	150 workers
Piping installed to date:	20,919 LF
Average cost per day:	\$150,545



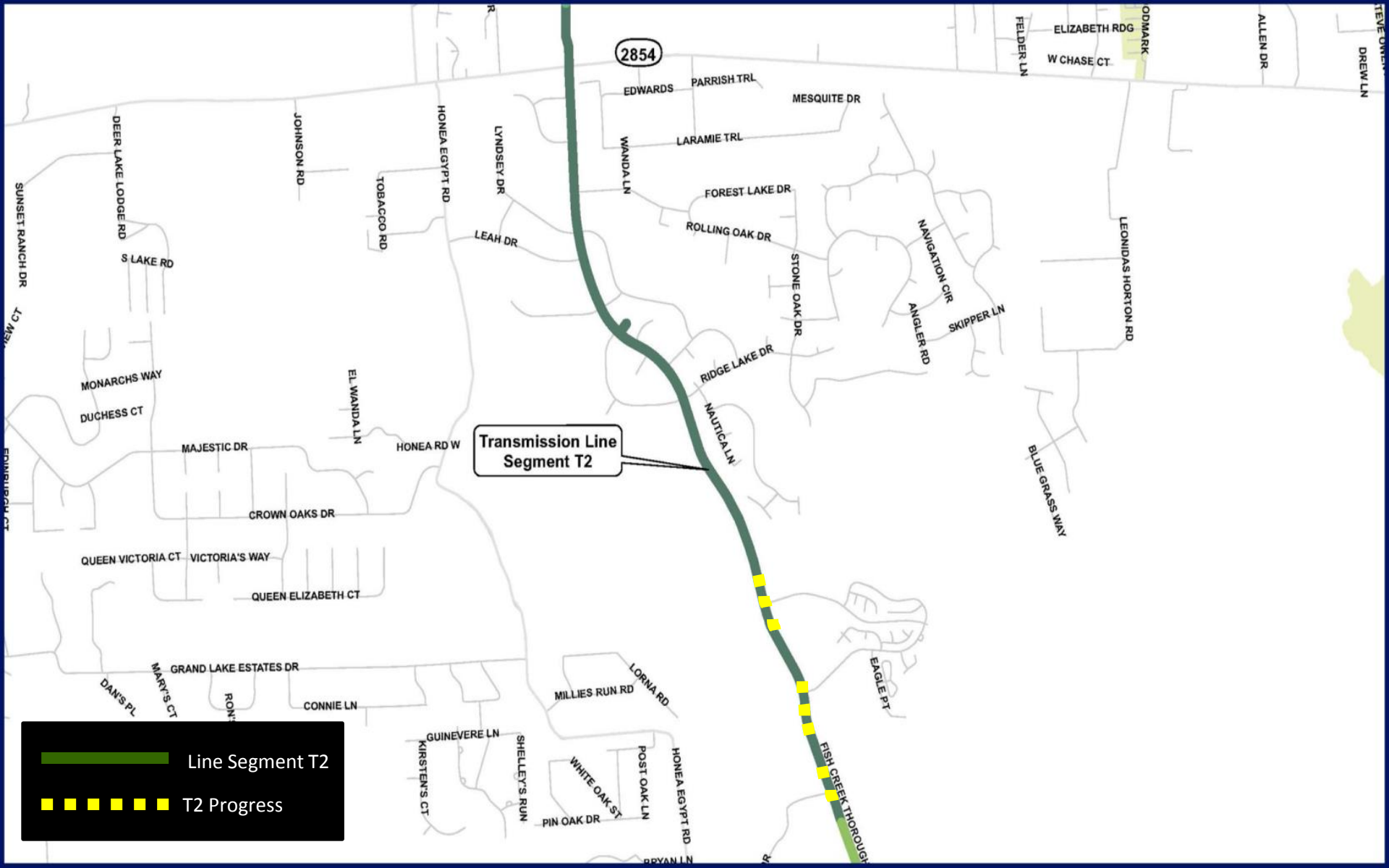




Concrete encasement of 60" line west of G&A Building



Open cut tie-in at the spillway





Open cut pipe installation – Fish Creek Thoroughfare



Excavated spoil removal



Open cut installation – Fish Creek Thoroughfare



Transmission Line
Segment W1A

Transmission Line
Segment W1B

Transmission Line
Segment W2A

Line Segment W1A

W1A Progress

1488

2978



Construction in right-of-way along FM 2978



Excavation for 16" PVC pipe along FM 2978



Transmission Line
Segment W1A

Transmission Line
Segment W1B

Transmission Line
Segment W2A

Line Segment W1B

W1B Progress



Tunnel operation along Alden Bridge & Research Forest

SCHEDULE OF REMAINING TRANSMISSION SYSTEM PROJECTS

Project Name	Proposal Opening	Board Action Date	Notice to Proceed
Segment C3	07/24/13	09/26/13	10/14/13
Segment C4	08/06/13	09/26/13	10/15/13
SWRF - North	08/06/13	09/26/13	10/14/13
Segment C2	08/15/13	09/26/13	10/15/13
Segment W4	08/20/13	09/26/13	10/14/13
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?

