

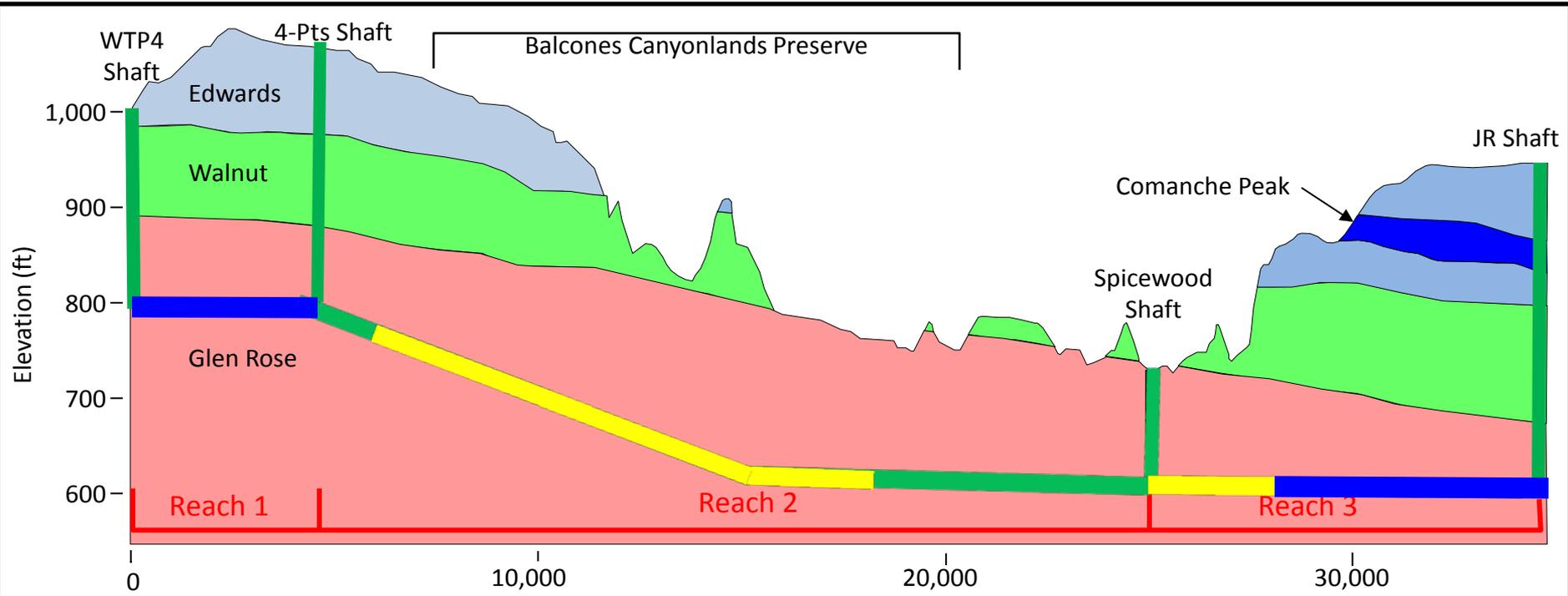
# WTP4 – Jollyville Transmission Main

Quarterly Briefing  
Environmental Board  
January 15, 2014

Robyn Smith – Public Works Dept.

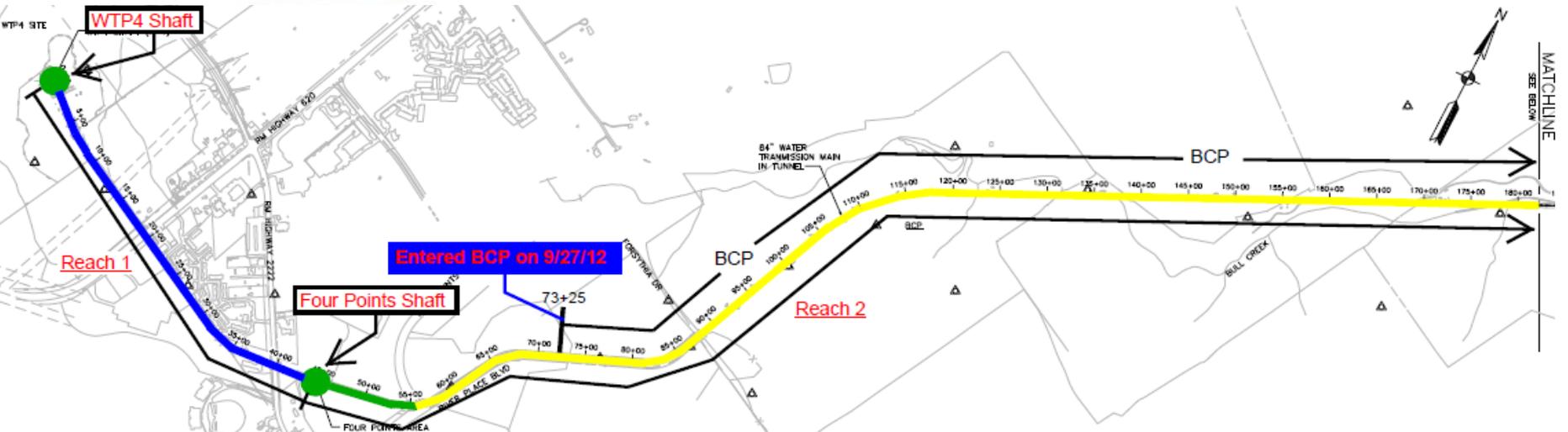


# JTM Current Status as of 1/9/13



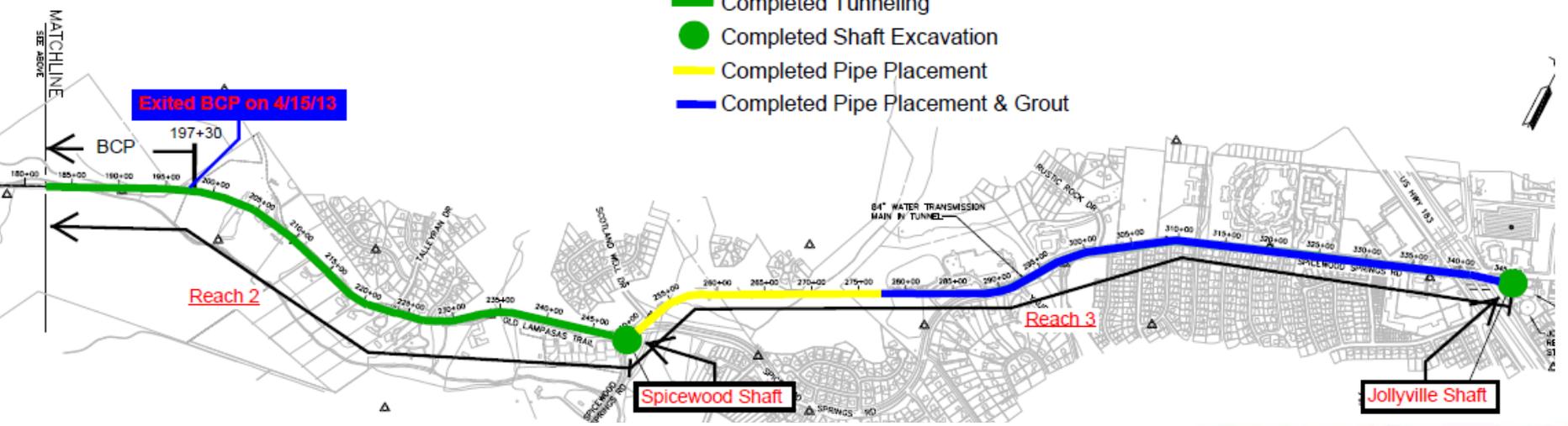
- Reach 1 tunneling, pipe placement, and grouting is complete
- Reach 2 tunneling is complete, pipe placement 62% complete.
- Reach 3 tunneling and pipe placement is complete, grouting 70% complete

- WTP4 Shaft is complete
- JR Shaft excavation is complete
- Spicewood Shaft is complete



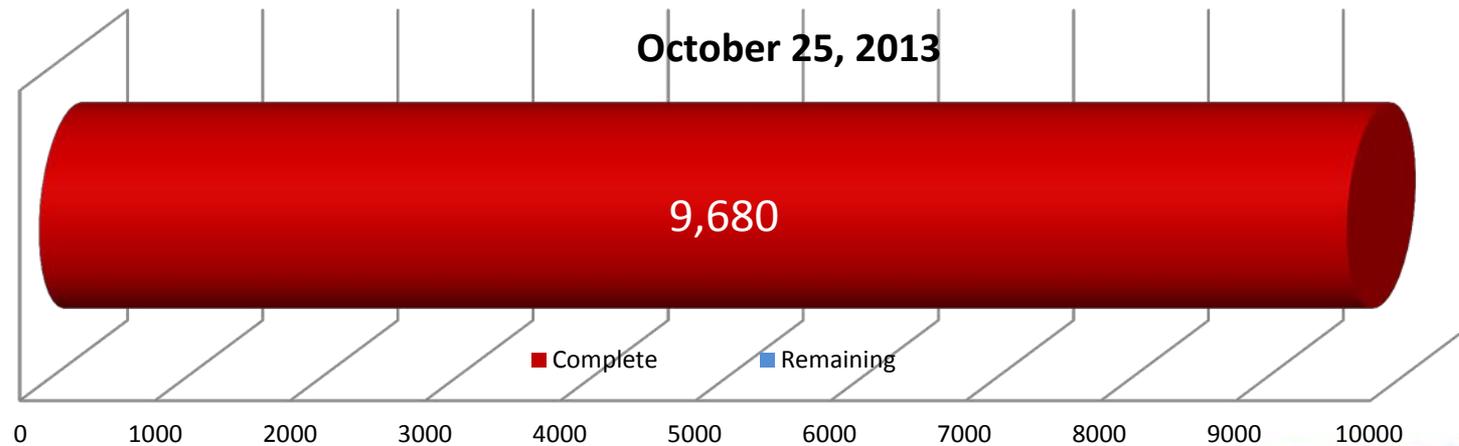
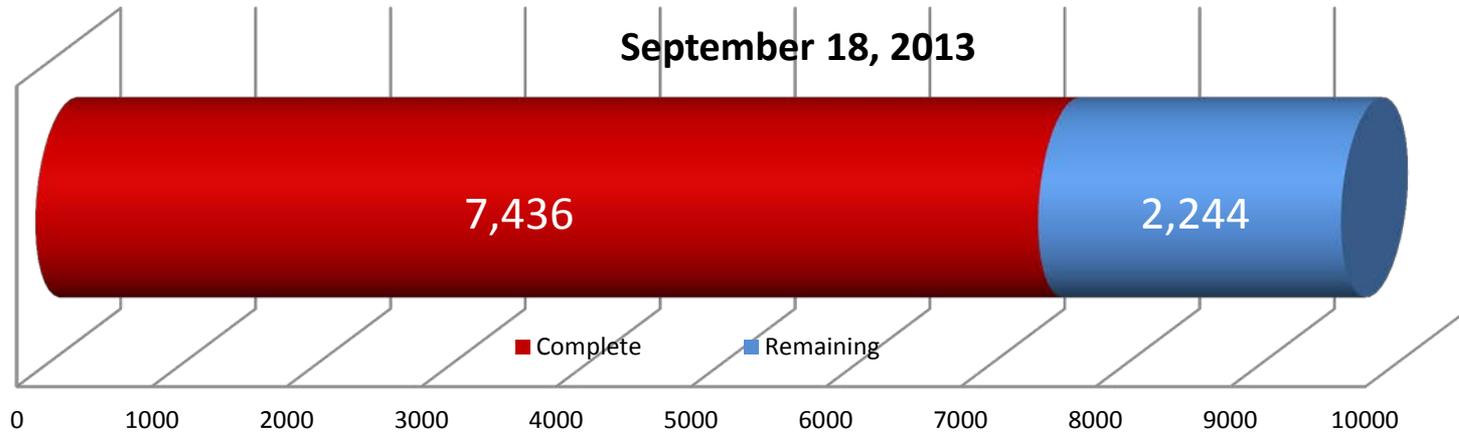
Jollyville Transmission Main Construction Progress as of 1/9/13

- █ Completed Tunneling
- Completed Shaft Excavation
- █ Completed Pipe Placement
- █ Completed Pipe Placement & Grout



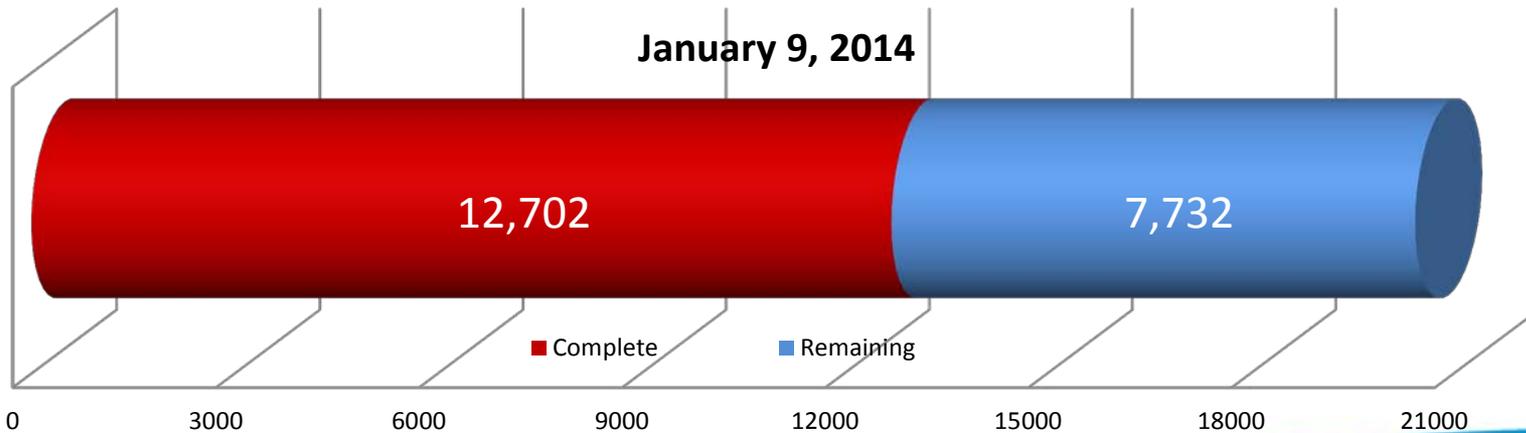
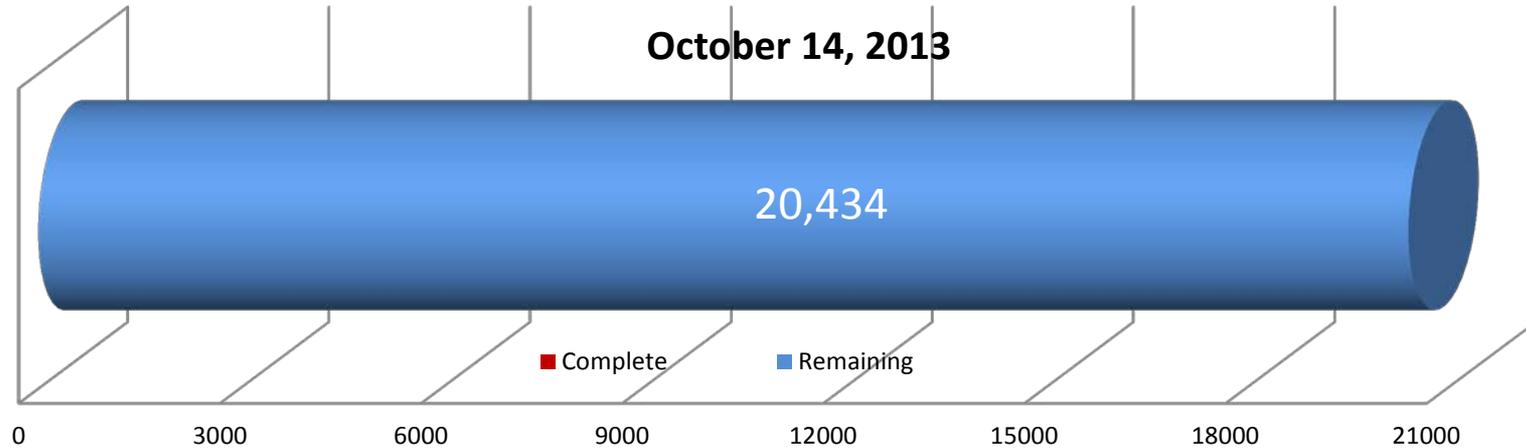
# Construction Progress

## Reach 3 Pipe Placement



# Construction Progress

## Reach 2 Pipe Placement





Pipe placement in tunnel



PIG Co. Grouting Operation @ Jollyville

# Jollyville Transmission Main

## Projected Activities

- Reach 2 pipe placement thru Spring 2014
- Jollyville and WTP4 Shaft riser pipe installation to begin in early 2014



# Tunnel and Shaft Inflows

- **Reach 2** – 0.25 gpm over 20,434 ft. of tunnel
- **BCP (STA 73+25 to STA 197+30)** – No Measurable Inflow
- **Four Points Shaft**
  - 5 to 10 gpm
  - Vast majority from Glen Rose Formation
- **Jollyville Reservoir Shaft**
  - 20 to 25 gpm
  - < 10gpm from liner plate and remaining from Glen Rose Formation
- **Spicewood Shaft**
  - 2.0 gpm

# Environmental

- Over 20" of rain received since September
  - 2 rain events exceeded 2 year storm (3.44"/24hrs)
  - 5 to 8.5" across WTP4 project area on October 31<sup>st</sup>
  - All shaft sites stable
  - Additional silt fence added at Four Points (≈ 200')



Inlet protection at Spicewood Springs Shaft Site

# Environmental



Stormwater discharging from Spicewood Shaft Site E&S controls



# Questions?

info@wtpfour.com

<http://austingo.austintexas.gov/department/water>

**Water Treatment  
Plant 4**

