



Broadband Initiative

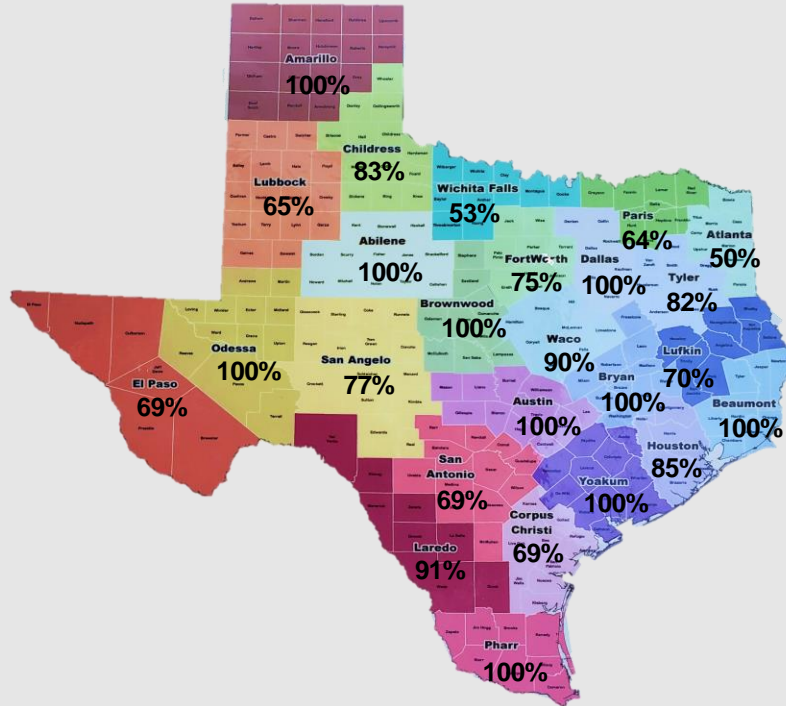
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Chief Information Officer

December 5, 2022



Big Bang Bandwidth Statewide Upgrade – Status as of October 2022

90% Full or Initial Upgrades Completed Across the State



Approach and Current Updates:

Target Completion 7/31/2022 –

Sweep 1 – Increase a location’s speed as much as possible without any equipment or special construction needs. This may result in an “interim” speed bump until the target maximum bandwidth can be achieved.

Target Completion 3/31/2023 –

Sweep 2 – Requires a replacement of hardware to achieve the target increase in bandwidth. **In Progress

Target Completion 3/31/2023 –

Special Construction – If a location requires special construction, the project team will work with the vendors and the Local Exchange Carrier (LEC) to achieve the fastest possible solution available for the location. ***In Progress; Current spend is at \$396,441.11 for 21 locations.

Sweep 3 – Replace T1/DS3 with an alternate solution. This may require installation of fiber, satellite or an alternate technology solution based on options for the location. ***In Progress; Reviewing Alternate Carriers/options for 23 sites statewide.

Big Bang Bandwidth Statewide Upgrade – Status as of October 2022



48%
of locations
statewide at
Target
Bandwidth!

100%
Increase

District Offices

% Complete

100%

Target Bandwidth:

1G

1000%
Increase

Area Offices

67%

500M

1000%
Increase

Maint Offices

35%

500M

1000%
Increase

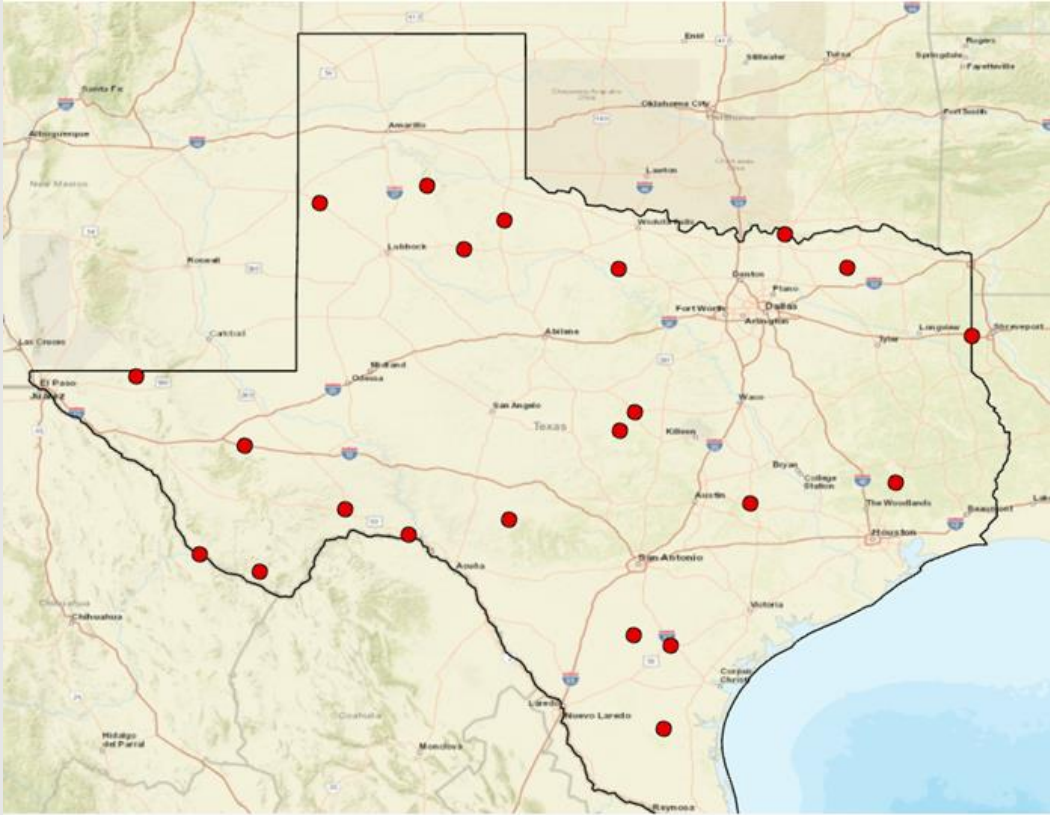
TIC/BSIFs

31%

500M

To see the latest site upgrade status, please visit Crossroads: [Status Dashboard](#)

Big Bang Bandwidth Upgrade – Alternate Solution Locations



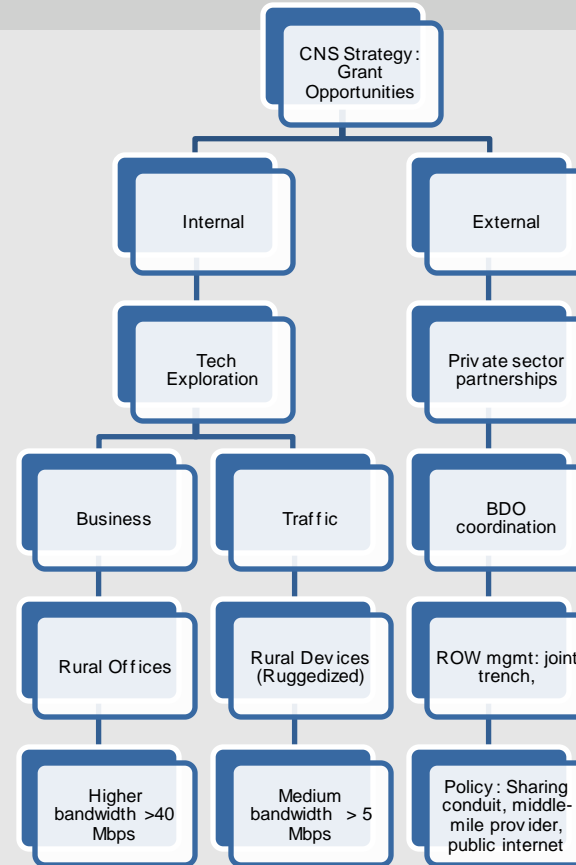
- **House Bill 5 created the Broadband Develop Office within the Office of the Comptroller, with the goal to bridge the digital divide and provide reliable broadband to all Texans. TxDOT is an active member of Interagency Council on Broadband Expansion, and Kyle Madsen from ROW division is our representative.**
- **TxDOT was awarded a federal grant from Senate Bill 8 which allocates the state's share of federal American Rescue Plan Act or ARPA funding. The TxDOT award will use funds to deploy broadband at Safety Rest Areas in Rural El Paso and Culberson Counties.**
- **TxDOT continues to work with private sector to look at innovative technologies to bring broadband to rural areas. We continue to build strong public/private partnerships to leverage non-state resources.**

Connected Network Strategy: Broadband Coordinator



Coordinator Role
Grant Opportunities
Private Sector Partnerships
Interagency Coordination
National Committee Representation
Technology evaluation
District broadband assistance

Connected Strategy Workgroup
ITD, ROW, STR, TRF, and Districts





- **Importance of TxDOT owned right of way:**
 - **Senate Bill 507 created an accommodation process for broadband-only providers to access TxDOT ROW through a permit process.**
 - **TxDOT roads physically connect communities across Texas, and the TxDOT ROW along these roads can also digitally connect Texans by deploying broadband infrastructure there.**
- **TxDOT has a Connected Strategy Workgroup with representation from ITD, ROW, STR, TRF, and Districts. This group is developing an overall TxDOT broadband strategy for interagency coordination, policies, grants, technologies, and private sector partnerships.**



Thank you for your time!