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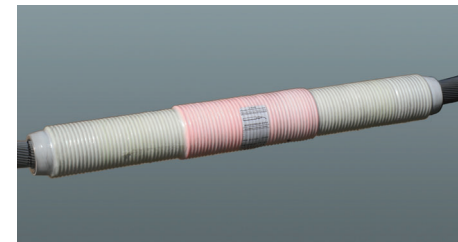
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Construction progresses on Brookings County-Hampton project

Beginning near the Cedar Mountain Substation in Renville County, the CapX2020 Brookings County-Hampton project kicked off in spring 2012 with the drilling and pouring of foundations along the project route. This summer, crews began erecting the single-pole structures, and are preparing to begin stringing the wire along those towers.



Implosive connectors to be used on conductor installation

An implosive charge wrapped around a metallic sleeve will instantaneously compress a portion of the wire, seamlessly joining two conductor ends together. This technology provides stronger, more reliable and efficient connections than splicing ends together, reducing maintenance needs and increasing system reliability.

The benefits of implosive connectors include reduced installation time, stronger connections, and fewer environmental and agricultural impacts because less heavy equipment is required in construction areas.

CapX2020 staff will inform local landowners and government officials in the days preceding the use of implosive connections in each area where they are used. Connections will not be used on every structure, only occasional structures, placed approximately every 2-3 miles. Implosive connections will also be used on 'dead-end' structures that are at least one mile apart.

Video of the use of implosive connections can be viewed at www.CapX2020.com/learn.html.



Use of implosive connection devices

CONSTRUCTION SCHEDULE

Renville County 115 kV line

Foundation drilling: Winter 2012/2013

Structure installation: Winter 2013

Conductor installation: Winter 2013

Renville County 345 kV line

Foundation drilling: complete

Structure installation: Summer/fall 2012

Conductor installation: Summer/fall 2012

Sibley County

Foundation drilling: Summer/fall 2012

Structure installation: Summer/fall 2012

Conductor installation: Fall/winter 2012-2013

Western Scott County

Foundation drilling: Fall 2012

Structure installation: Fall/winter 2012-2013

Conductor installation: Winter/spring 2013

Eastern Scott County

Foundation drilling: Spring/summer 2013

Structure installation: Summer 2013

Conductor installation: Fall 2013

Brown County

Foundation drilling: Winter 2013

Structure installation: Spring 2013

Conductor installation: Spring/summer 2013

Redwood County

Foundation installation: Spring 2013

Structure installation: Spring/summer 2013

Conductor installation: Summer 2013

Lyon County (Lyon Substation to Cedar Mountain Substation)

Foundation installation: Spring 2013

Structure installation: Summer 2013

Conductor installation: Summer/fall 2013

Lyon County (Lyon Substation to Hazel Creek Substation)

Foundation installation: Spring 2014

Structure installation: Spring/summer 2014

Conductor installation: Summer 2014

Yellow Medicine County

Foundation installation: Spring 2014

Structure installation: Spring 2014

Conductor installation: Summer 2014

Lincoln County

Foundation installation: Fall/winter 2013

Structure installation: Winter 2013-2014

Conductor installation: Winter/spring 2014

Brookings County, SD

Foundation installation: Fall 2013

Structure installation: Fall/winter 2013-2014

Conductor installation: Winter/spring 2014



CapX2020 crews install a rebar cage, part of the foundation for steel structures on the Brookings County-Hampton project.