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.
## 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:** Spring/summer 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 2013
- **Conductor installation:** Summer 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