Evergy presents design options to rebuild NE Wichita transmission line

Evergy Kansas Central, Inc. (formerly Westar Energy) is committed to rebuilding the transmission line along Mossman and Green streets, using smaller wood or steel poles where possible. We are also committed to moving the poles closer to the street where we can. On December 3, we hosted an open house to present design options that meet these goals to residents in the area for feedback. We will review and incorporate the feedback we receive to finalize the design. Construction is tentatively scheduled to be completed by the end of 2020.

Option A

- Wood poles, where possible, with an average height of 79 feet vs. the existing height of 90 feet.
- Wood poles, where possible, to be on average 10 to 15 feet closer to the roadway.
- Steel turning structures will remain in place. Top sections of the structures will be replaced with shorter sections, reducing the overall height by 10 to 12 feet.

Option B

- Wood poles, where possible, with an average height of 79 feet vs. the existing height of 90 feet.
- Wood poles, where possible, to be on average 10 to 15 feet closer to the roadway.
- Steel turning structures on street corners will be removed and replaced with wood poles. In two of four locations, these poles will need to be supported by overhead cables connected to additional wood poles, which will be supported by guy-wires. Guy-wires are needed to ensure the poles stand upright.

Option C

- Line and structures will remain as is. No further work will be completed.

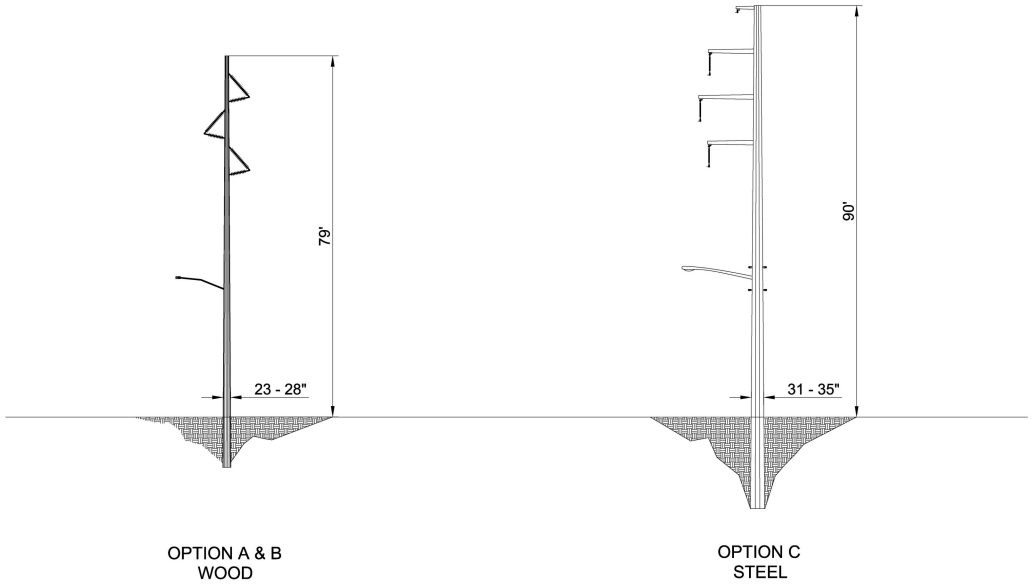
Click the drop-down below to view mock-up images and diagrams of the design options.

Design Options

The mock-up images and diagrams below are preliminary only and are not issued for construction, as the designs await additional public feedback and engineering research.

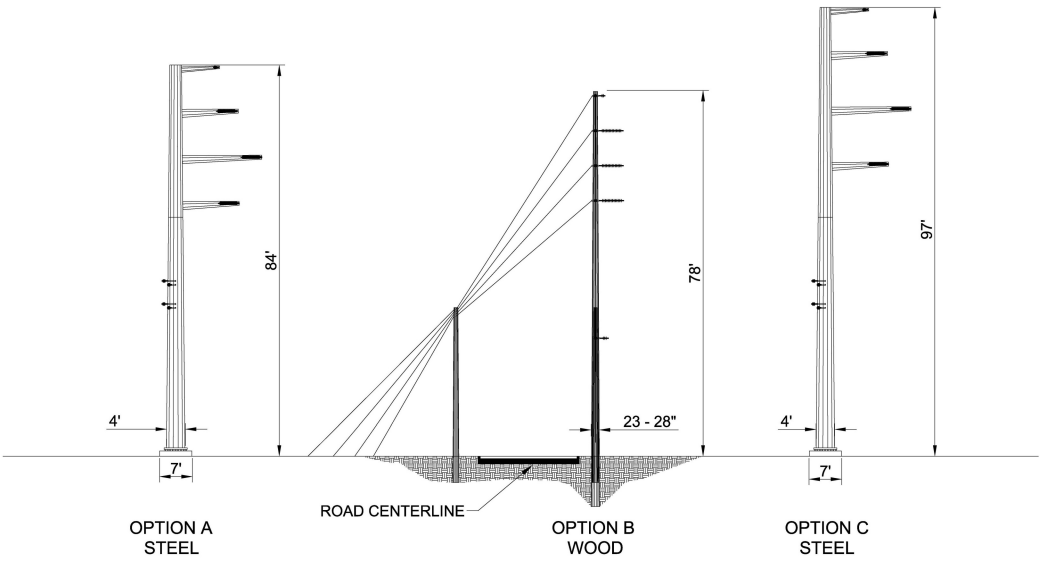
Option C illustrates the existing structures located in between street corners. Option A and B would replace in-line structures with wood, reducing their height to 79 feet. This change would occur if Option A or B is selected based on feedback from attendees of the open house and from area residents.

IN-LINE STRUCTURE COMPARISON

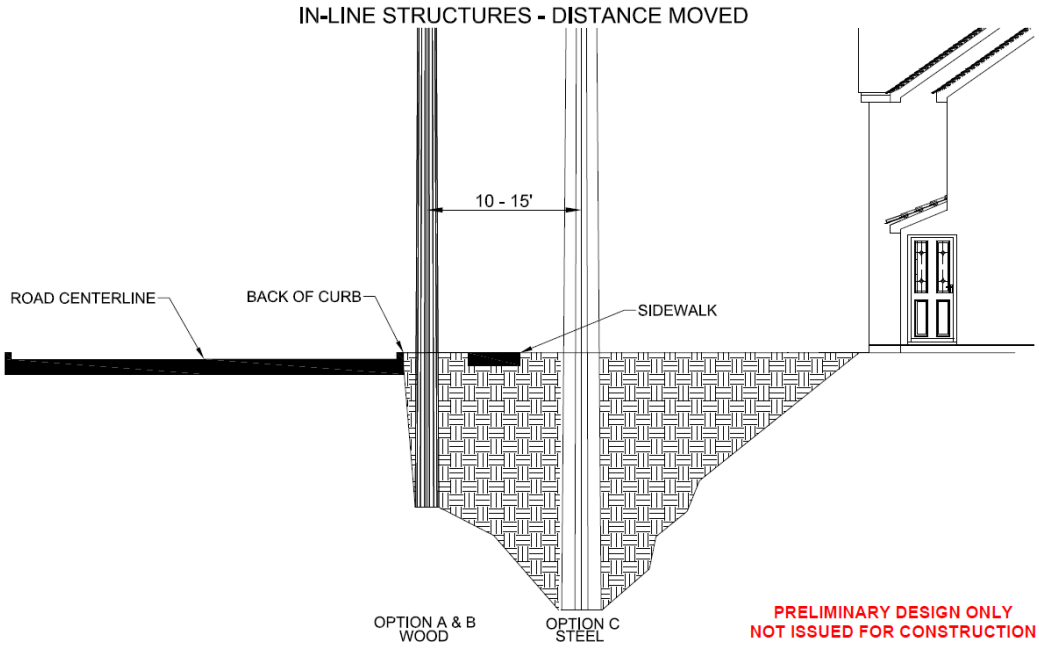


Option C illustrates the existing structures located on street corners. In Option A, steel turning structures would remain, but would be reduced in height by 10 to 12 feet. Option B would replace corner steel structures with wood. The wood poles will require additional poles and guy-wires to anchor them. This change would occur if Option A or B is selected based on feedback from attendees of the open house and from area residents.

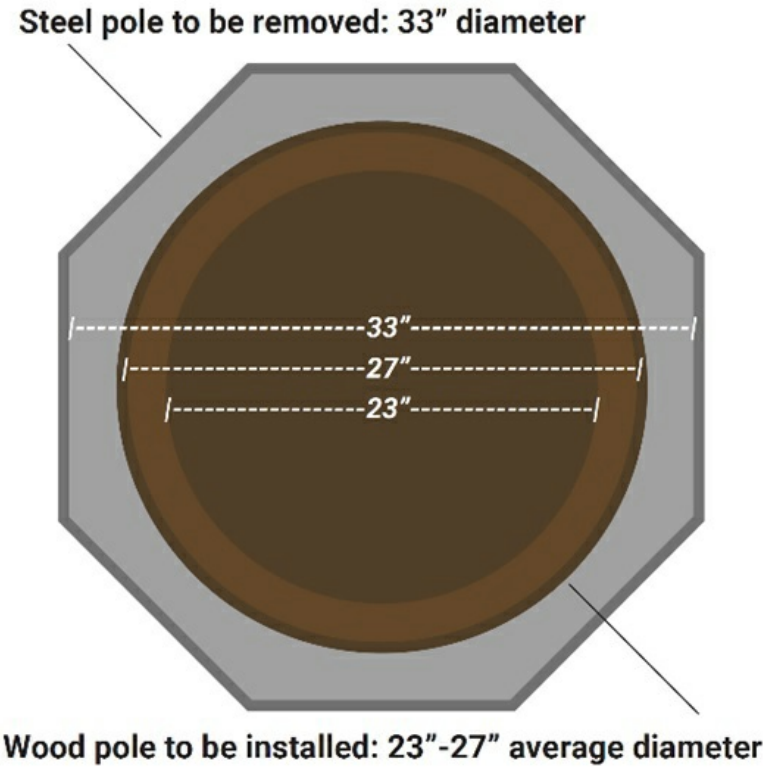
TURNING STRUCTURE COMPARISON



The illustration below shows that transmission poles along Mossman and Green streets will be replaced with poles that are closer to the roadway. This change would occur if Option A or B is selected based on feedback from attendees of the open house and from area residents. Option C illustrates the existing structures.



The illustration below shows the diameter of the existing steel poles vs. the diameter of the wood poles to be installed if Option A or B is selected, based on feedback from attendees of the open house and from area residents.



Mossman and Green

This is the existing structure at the southeast corner of Mossman and Green streets. Option A would reduce the height of this

structure by approximately 10 feet. The shorter corner structures would occur if Option A is selected based on feedback from attendees of the open house and from area residents.

SOUTHEAST CORNER OF MOSSMAN & GREEN - EXISTING

Public

The mocked-up images below show an anchored wood pole replacing the steel pole at the southeast corner of Mossman and Green. The wood pole requires additional poles and guy-wires to anchor it. This approach would be used if Option B is selected based on feedback from attendees of the open house and area residents.

SOUTHEAST CORNER OF MOSSMAN & GREEN – OPTION B

Public

SOUTHEAST CORNER OF MOSSMAN & GREEN – OPTION B

Public

11th and Green

This is the existing structure at the intersection of 11th and Green streets.

INTERSECTION OF 11TH & GREEN – EXISTING

Public

The mocked-up images below show a new wood pole with secondary wood poles and anchoring wires that could be placed at 11th and Green if Option B is selected based on feedback from attendees of the open house and area residents.

INTERSECTION OF 11TH & GREEN – OPTION B

Public

INTERSECTION OF 11TH & GREEN – OPTION B

Public

Additional assets available online: Photos (1)

https://newsroom.evergy.com/2019-12-12-Evergy-presents-design-options-to-rebuild-NE-Wichita-transmission-line