

# CITY OF ATCHISON

## STREETLIGHT POLE UPGRADE

Case Study



# A LASTING UPGRADE TO THE CITY'S BEAUTY IN ATCHISON, KANSAS

## SUMMARY

The City of Atchison, in partnership with Westar Energy, made significant improvements to the City's infrastructure, financial sustainability, and charm through their multi-year concrete pole conversion project. In 2014, many of the City of Atchison's streetlight poles were in decline. The City decided to replace the rusted and deteriorating poles with StressCrete's decor colored, prestressed spun concrete poles, manufactured locally in Atchison. In addition to the new poles, the City of Atchison also opted to upgrade to light-emitting diode (LED) technology. This project improved the overall aesthetic of the streetlights, as well as offered the City of Atchison and Westar Energy a lifetime warranty on their lampposts.

## PROJECT HIGHLIGHTS

**Project Site:** Atchison, KS

**Poles Converted:**

- 23 – Atchison, KS
- 63 – Leavenworth, KS
- 12 – Parsons, KS

**Added Benefits:**

- Lifetime warranty
- Aesthetically pleasing
- Maintenance free



## THE CHALLENGE

Atchison's reputation as one of the most beautiful and quaint cities in Kansas was at stake because of their outdated streetlights. With the streetlights and poles deteriorating and rusting more and more each day (as shown in photo - left pole), the City decided to replace the old, rusted, steel poles with durable, prestressed spun concrete poles (refer to pole on right side of photo) from StressCrete Inc., a division of The StressCrete Group. In addition, they also replaced the high-intensity discharge (HID) lights with modern LED fixtures.

## THE SOLUTION

- The City of Atchison and Westar Energy partnered with StressCrete for their decor colored, prestressed spun concrete poles that require no maintenance and have the lowest lifetime costs of any similar product
- In addition to the 23 poles replaced in Atchison, 63 poles were replaced in Leavenworth, and 12 poles in Parsons

## THE RESULTS

- The City of Atchison's new streetlight poles are maintenance free and have a lifetime warranty, eliminating the need for maintenance or replacement
- The new spun concrete poles are environmentally friendly and safe for direct burial as they are produced with inert material that can be recycled after its long life
- The poles won't rust or deteriorate from the elements, and are resistant to wood peckers, insects, fire, rot and corrosion
- Atchison's new streetlights are aesthetically pleasing and align with the City's downtown revitalization efforts

“It's great to partner with local communities to install more modern equipment that improve the aesthetics and quality of life for its residents.”

Ed Broxterman, Customer and Community Relations  
Business Manager, Westar Energy



BEFORE  
Pole on left: Old, rusted steel pole  
Pole on right: New, durable  
prestressed spun concrete pole  
(photo: The StressCrete Group)

AFTER  
New, durable prestressed spun concrete  
pole (photo: The StressCrete Group)

### References

- City of Atchison, Commission Action Report, March 20, 2017. Retrieved from: [http://www.cityofatchison.com/egov/documents/1489781163\\_82088.pdf](http://www.cityofatchison.com/egov/documents/1489781163_82088.pdf)
- Adam G., May 12, 2017. Street light project complete. Atchison Globe. Retrieved from: [http://www.atchisonglobenow.com/news/local\\_news/street-light-project-complete/article\\_bb4fac85=2a6f-59fd-b303-1e730d69126a.html](http://www.atchisonglobenow.com/news/local_news/street-light-project-complete/article_bb4fac85=2a6f-59fd-b303-1e730d69126a.html)



## THE STRESSCRETE GROUP

With manufacturing facilities in five North American locations, The StressCrete Group produces an extensive line of high performance decorative outdoor lighting fixtures, decorative spun concrete and metal poles, plus pole arms and accessories, bollards and site amenities. We also manufacture a vast range of spun concrete poles for power distribution and transmission, sports lighting, high-mast lighting, and specialty poles for the electrical and communications industries.

We are a family business that operates by the core values of honesty, integrity, compassion and respect to better the lives of our employees, their families, our customers and the communities we represent. The StressCrete Group services multiple market segments through two divisions:

- StressCrete Ltd., established in 1953, is the longest-operating, most experienced manufacturer of spun concrete poles in North America. With plants in Alabama, Kansas and Ontario, we offer the broadest, most diverse range of spun concrete poles and bollards in the industry, with quality second to none.
- King Luminaire Co. Inc. produces a comprehensive assortment of high performance outdoor luminaires, metal poles, pole arms and accessories, plus bollards and site amenities. With an array of state-of-the-art LED Technology and HID optical systems, and plants in Ohio and Ontario, King Luminaire is a North American leader in the outdoor lighting industry.

At The StressCrete Group, we provide every customer with the highest quality innovative products and work as a team to create and maintain life-long customers through world class service.