

# Electric Steel Tower Assessments

## PIPELINE INTEGRITY

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At Mears, we are committed to providing the most value to our customers by offering innovative, customized solutions through our engineering, technical and construction services. Our electrical transmission and substation services are delivered by experienced personnel who are committed to delivering unparalleled services to our customers.



**mears**

A QUANTA SERVICES COMPANY



## OUR ELECTRIC TRANSMISSION AND SUBSTATION SERVICES INCLUDE:

- Shared Right-Of-Ways vs Right of Laws
- Support Structure risk assessment services
- Structural repair services
- Corrosion management services
- Grounding system assessment services

## ELECTRICAL TRANSMISSION AND SUBSTATION PROGRAMS

### PRE-CONSTRUCTION SITE SURVEYS

- Identify aggressive environments

### SHARED RIGHT-OF-WAYS VS RIGHT OF LAWS

- AC mitigation
- Induced AC voltage mitigation
- Fault condition analysis

### SUPPORT STRUCTURE RISK ASSESSMENT

- Identification of structures most likely to fail
- Risk based prioritization to focus maintenance expenditures
- Determining action required to maintain system reliability
- Non-destructive testing

### STRUCTURAL REPAIRS

- Restore or exceed original design strength
- Extreme sites: waterways, rough terrain, overgrown right-of- ways, etc.

### CORROSION MANAGEMENT

- Design and installation of cathodic protection systems, both sacrificial and impressed current
- Application of coating systems
- Long line effects mitigation
- Grounding system assessment
- Substation ground grids and transmission support structures
- Substation piping and other facilities