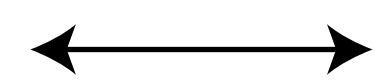


Existing Conductor

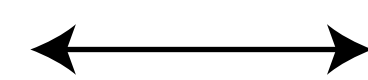
2-721 ACAR (18/19)



Conductor Diameter: 0.977"

Proposed Conductor

768.2 ACSS/TW



Conductor Diameter: 0.977"

Limitations of ACAR (Today's Constraint)

- Limited operating temperature (~75–90°C)
- Ampacity capped by thermal limits
- Increased sag under heavy loading
- Strength tied to aluminum weakens at high temps
- Requires new lines to increase capacity
- Less flexible for modern grid demands

What ACSS MAUMEE Brings

- Steel core carries mechanical load optimized for conductivity
- Designed for high-capacity, high-stress environments
- +2x or more ampacity potential
- Higher emergency load capability
- Stable performance at elevated temperatures
- Reduced long-term conductor creep
- Improved sag control under load