

Railbelt Transmission

- ❖ Alaska Intertie Upgrade Project ✓
- ❖ Eklutna Transmission Line Upgrades
- ❖ Alaska Intertie Snow Loading
- ❖ Eklutna to Teeland Open Loop Operation
- ❖ Anchorage to Kenai Line Life Extension Upgrades
- ❖ Transmission Operations & Maintenance

Eklutna Transmission Line Upgrades

October 5, 2005

Eklutna Transmission Line Upgrade

Project History

- Transmission line constructed in 1952/54
- Inspection in 2000 revealed age related issues with structures
- 2001 Dryden and Larue tasked with investigating options for rebuilding the line from Eklutna Power Plant to Reed Substation

Eklutna Transmission Line Upgrade

- 2002 ML&P seeks grant from legislature for rebuild of transmission line
 - September 2002 Dryden and Larue tasked with looking at transmission line from Reed Substation to Fossil Creek
 - November 2002 ML&P receives grant of \$19,300,000 for upgrade of Eklutna Transmission Line
 - 2002/2003 Dryden and Larue work on design alternatives for the transmission line
 - Preferred Design – double circuit insulated at 230 kV, energized at 115 kV

Eklutna Transmission Line Upgrade

- ❖ March 2004, ML&P seeks Eklutna Operating Committee approval for proceeding with construction of double circuit line between Eklutna Power Plant and Fossil Creek.
- ❖ Passes with MEA voting no.

Eklutna Transmission Line Upgrade

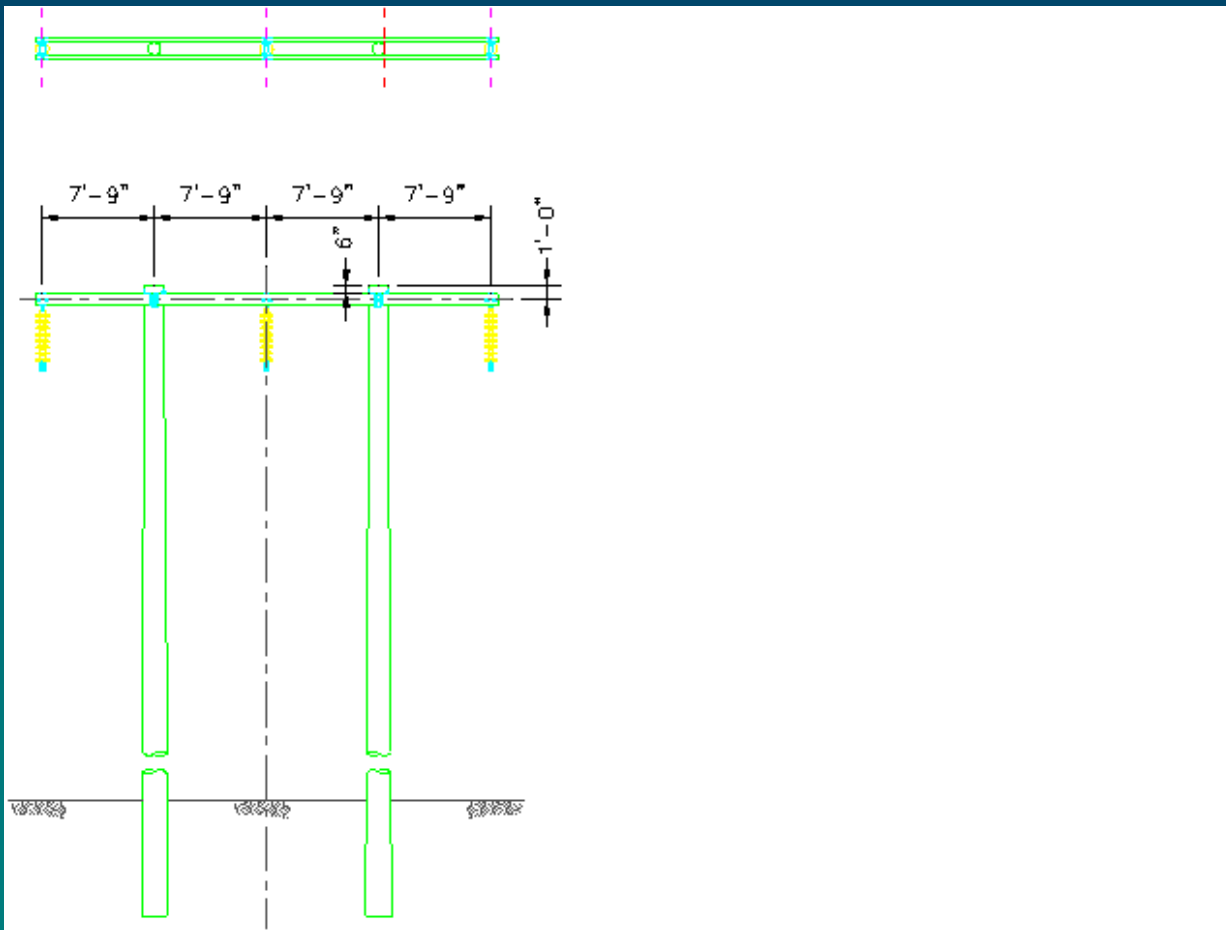
Expenditures to date

- Design/ROW work - \$1,301,424
- Tower Contract with Valmont - \$4,065,690

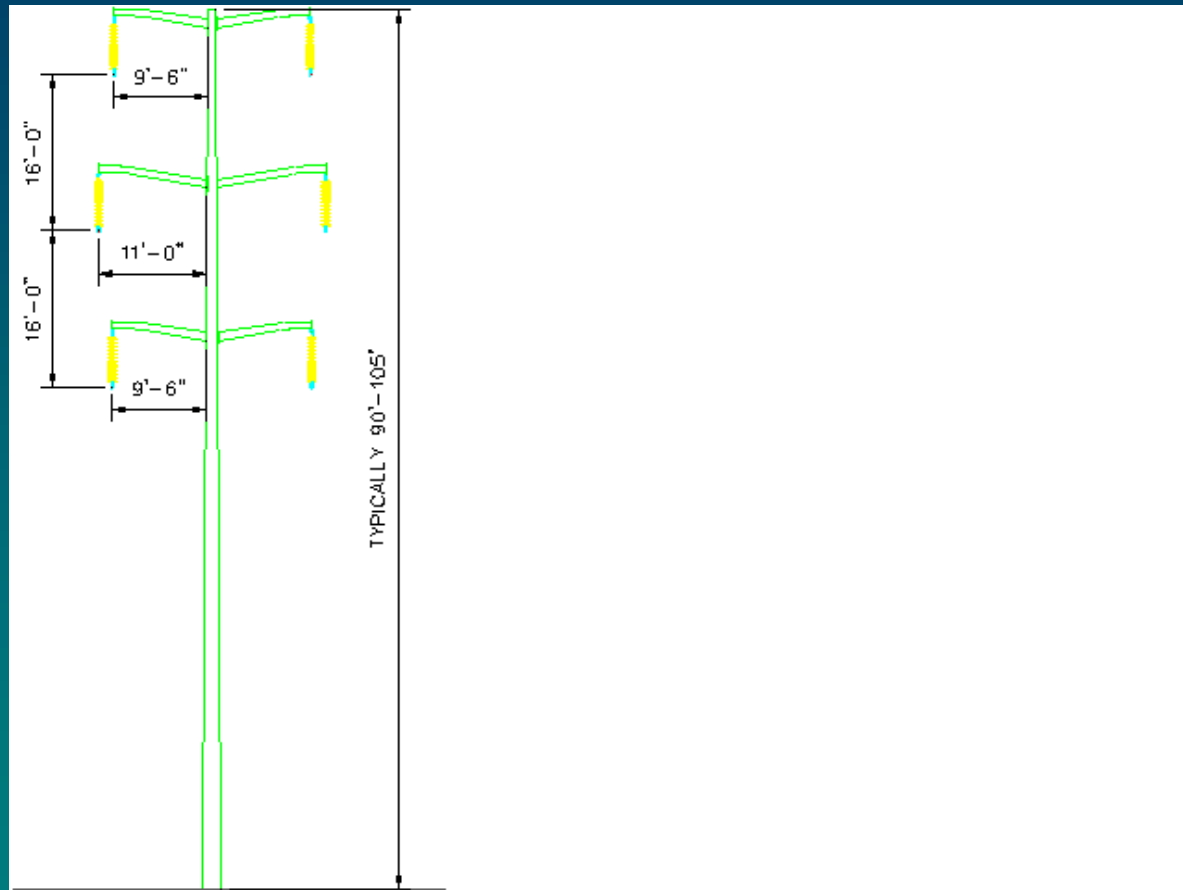
Construction Schedule

- Construction/clearing Contract - \$10,000,000
- Bid - Fall 2005
- Construction Spring 2006 through Fall 2007

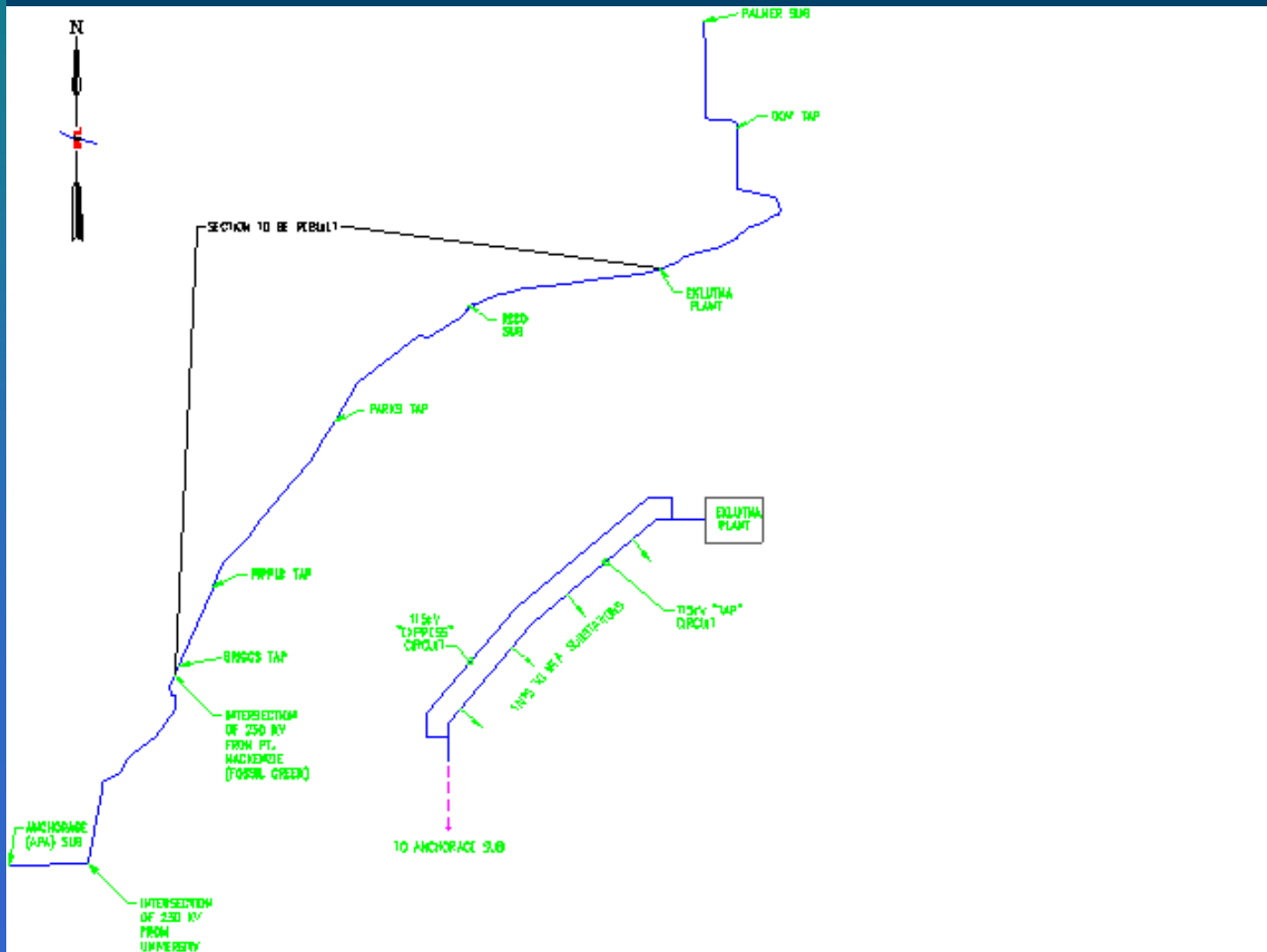
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Outstanding Issues

- ROW Re-alignment in some areas
- ROW limitations – 115 kV Vs. 230 kV
- ROW limitations – single circuit Vs. double circuit
- ROW acquisition – signature requirements

Questions?
