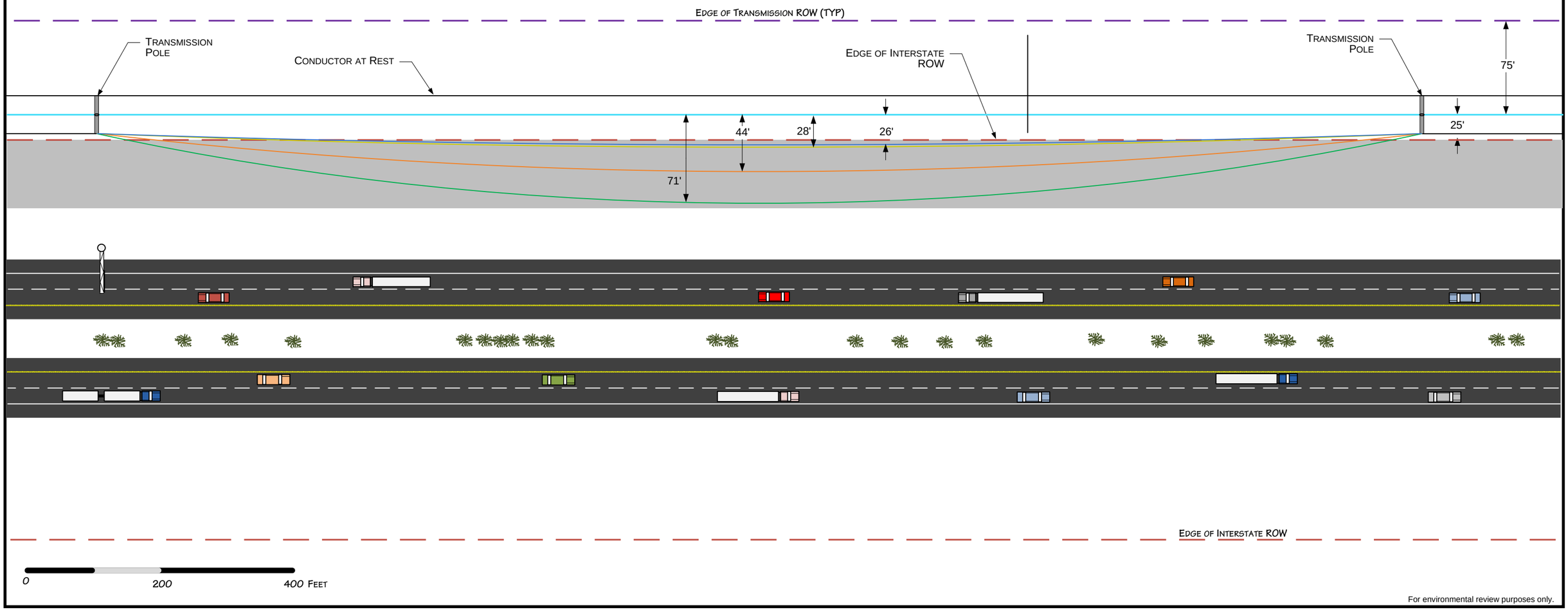
Notes:

1. Representative design changes such as spacing, insulator type, pole height, etc. can usually be made to increase clearances and accommodate operations near poles.
2. Assumed span length is 1,000 feet.
3. Conductor blow-out shown occurs at mid-span, 100% load, with level terrain.
4. Movement of large loads and boomed equipment typically doesn't occur when wind is 30 mph or greater.
5. 103 miles per hour winds is a tornado.



For environmental review purposes only.

CapX2020
Delivering electricity you can rely on

Typical Double Circuit Tangent Pole

- Edge of Interstate ROW
- Edge of Transmission ROW (TYP)
- Transmission Centerline
- Blowout Conductor @ 25 mph wind
- Blowout Conductor @ 30 mph wind
- Blowout Conductor @ 50 mph wind
- Blowout Conductor @ 103 mph wind
- Shared Corridor

DATE: 11/17/2009
REVISED: 2/3/2010
SCALE:
DRAWN BY: MLTeichert

NATURAL RESOURCE GROUP

K:_CLIENT_PROJECTS\V-X\XCL\CAPX\CAPX_TRANSMISSION_LINES_OVERHEAD_V4.VSD