



Big Sandy Substation to 125-Mile Substation

Category Ranks	Alternative - Segments		
	127 - N1, N2, N5	128 - N1, N3, N5	129 - N4
Engineering	3	2	1
Geology and Soils	1	2	3
Water Resources	2	1	3
Vegetation	1	1	1
Wildlife	2	1	3
Land Use	1	3	2
Cultural Resources	1	1	1
Category Rank Total	11	11	14
Alternative Rank	1	1	3

Proposed, alternative, and other routes are subject to change.

Description & Results

The Big Sandy Substation to 125-Mile Substation transmission line would be approximately 26 miles in length. The transmission line would begin at the existing Big Sandy Substation near Limon, Colorado, cross Interstate 70, and end at the new 125-Mile Substation north of Simla, Colorado.

Route refinement shifted segment N3 to avoid homes.

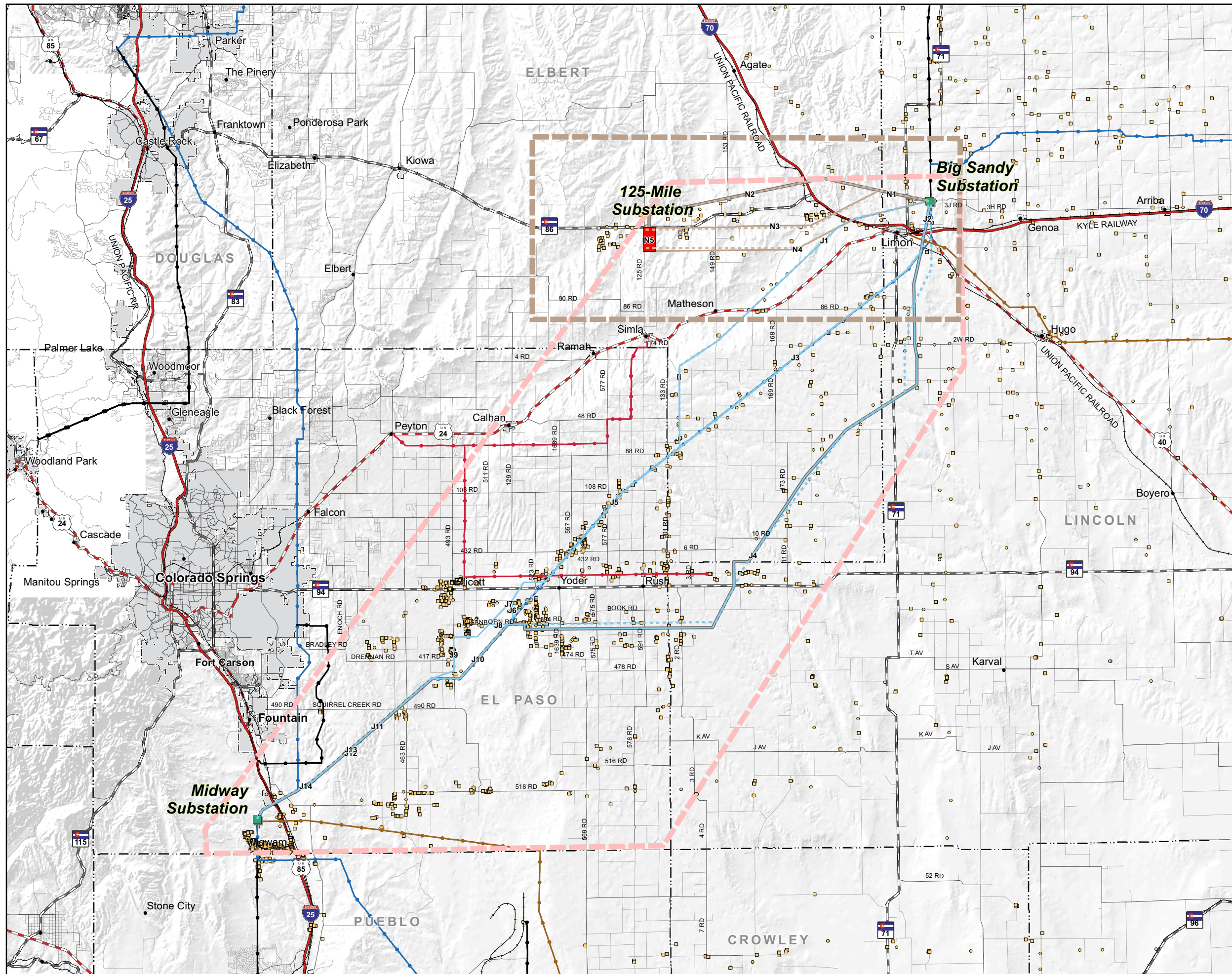
Alternative 127 was identified as the proposed route. It would minimize effects to homes. Routes 128 and 129 were designated as alternatives. Route 129, however, had less favorable soils, more stream crossings, and would effect wild turkey habitat.

Siting Considerations

The proposed and alternative routes respond to scoping comments and additional ground and aerial surveillance. Several of the routes between substations were re-labeled for the sake of organization and consistency. The segments between Big Sandy Substation and 125-mile Substation were re-labeled from “M” to “N”.

Route-specific comments from scoping included the following:

- M1, M2, M3, and M4 is grassland (request line stay 0.5 mile from homes along these routes)
- Avoid M3



Base Map
Midway to Big Sandy
and Big Sandy to 125-Mile

Legend

Substations

- Existing Substation
- Proposed Substation Siting Area

Analysis Area

- Midway to Big Sandy
- Big Sandy to 125-Mile

Transportation

- Interstate Highway
- State Highway
- U.S. Highway
- Minor Road
- Major Road
- Railroad

Existing Transmission Lines

- 115-kV Transmission Line
- 230-kV Transmission Line
- 345-kV Transmission Line
- 69-kV Transmission Line

Routes

Big Sandy to 125-mile

- Proposed (230-kV)
- Alternative (230-kV)
- Previous (230-kV)

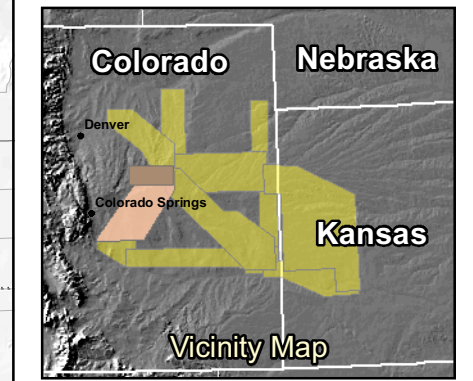
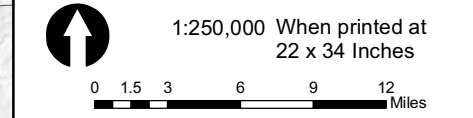
Midway to Big Sandy

- Proposed (500-kV)
- Alternative (500-kV)
- Previous (500-kV)

Structures (Digitized from aerial photography)

- Residence
- Other Structure

Source Data:
ESRI (Cities), BTS (Highways, Airports),
National Atlas (States, Counties),
CDOT (CO Rail, Roads, Counties, City Boundaries),
Tri-State and Xcel (Existing Transmission)



Last Revised:
01/18/07

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