

Appendix C

Route Alternatives Considered

This page intentionally left blank



Route Alternatives Reviewed and Removed from Consideration

Jamestown to Ellendale 345kV Transmission
Line Project (JETx)

Stutsman, LaMoure, and Dickey Counties, North Dakota
July 24, 2025

Purpose

As described in Section 3.7 of the Consolidated Application to the North Dakota Public Service Commission (Commission) for a Certificate of Corridor Compatibility and Route Permit (Application), the Applicants developed, analyzed, and refined numerous route alternatives to address landowner, stakeholder, and agency feedback. Route alternatives that were accepted have been included in the route identified for the Application. A description of route alternatives that were reviewed and eventually removed from consideration is presented in this Route Alternatives Reviewed and Removed from Consideration Report (Report).

To assist with the Commission’s review of route alternatives considered by the Applicants, this Report provides a summary table that outlines the constraints along the route alternatives compared to the route as proposed and applied for in the Application. Maps of these route alternatives are included after the summary table.

Table 1: Summary of Route Alternatives Reviewed and Removed from Consideration

| Route Alternative Area | County(s) | Township(s) | Request Purpose | Notes |
|--------------------------------|---------------------------|-------------|--------------------------------|---|
| Western Corridor Hwy 281 Route | Stutsman, LaMoure, Dickey | All | Initial routing considerations | The Applicants reviewed a project corridor that would have a route generally paralleling U.S. Hwy 281. This project corridor was shown at public open houses held in June 2023. This project corridor was rejected prior to the proposed route corridor as shown at public open house meetings in September 2023 due to existing infrastructure, including occupied homes, businesses, existing HVTLs and distribution lines, along the highway as well as engineering, maintenance, and cost issues. |
| Eastern Corridor Route | Stutsman, LaMoure, Dickey | All | Initial routing considerations | The Applicants reviewed a project corridor that would have a route generally along the eastern side of the Routing Study Area, east of the James River. This project corridor was shown at public open houses held in June 2023. This project corridor was rejected prior to the proposed route corridor as shown at public open house meetings in September 2023. This route corridor was rejected due to it resulting in additional length of the line and presence of more USFWS wetland easements as well as less existing corridors to parallel. |
| Jamestown Substation | Stutsman | Fried | Landowner request | A route corridor diagonally went southeast out of the Jamestown Substation, parallel with an existing HVTL and a route corridor alternative that went east out of the Jamestown Substation were shown at |

| Route Alternative Area | County(s) | Township(s) | Request Purpose | Notes |
|------------------------|-----------|--|--------------------|--|
| | | | | public open house meetings in September 2023. The route corridor going diagonally was rejected in favor of a variation of the route corridor alternative due to landowner preference. Additionally, an alternative route going south and east out of the Jamestown Substation was considered but the route going north, and east was selected instead due to landowner preferences and this route having an occupied home within 500 feet. |
| Fried Township | Stutsman | Fried | Landowner request | Multiple route alternatives were considered to accommodate landowner requests in Section 24 and 25 of Fried Township. The route alternatives affected multiple landowners. These route alternatives were rejected due to coordination and consensus with landowners on the route alternative selected in this area. |
| Sevenmile Coulee | Stutsman | Fried, Rose, Bloom, Spiritwood, Homer and Winfield | Landowner requests | The route corridor shown at the public open house meetings in September 2023 was rejected and a route paralleling the Sevenmile Coulee was proposed. During landowner discussions, multiple routes on both the west side and east side of the Coulee as well as numerous variations where the alignment shifts away from the Coulee to cross the James River were reviewed. These route alternatives and variations were rejected due to landowner preference, environmentally sensitive areas and constructability. |

| Route Alternative Area | County(s) | Township(s) | Request Purpose | Notes |
|-------------------------------|-----------|--|---|--|
| James River Crossing | Stutsman | Homer | New Land Development and Landowner requests | The Applicants reviewed multiple route alternatives at the James River. The route corridor shown at the public open house meetings in September 2023 as well as multiple other crossings of the James River were rejected due to new development, existing occupied homes, a railroad crossing and known environmentally sensitive areas, as well as landowner preference. |
| South of James River Crossing | Stutsman | Homer | New Land Development and Landowner requests | South of the James River crossing, multiple route alternatives were considered and rejected due to new development, existing occupied homes, a railroad crossing and known environmentally sensitive areas, as well as landowner preference. |
| Corwin and Homer Townships | Stutsman | Homer, Winfield, Ypsilanti, Corwin, Montpelier | Local Township Ordinances | Multiple route alternatives that would avoid Corwin and Homer Townships were reviewed due to proposed changes to local ordinances. These route alternatives were rejected after being denied right of entry on the new parcels that would be affected. These route alternatives would shift impacts to new landowners. |
| Ypsilanti | Stutsman | Homer, Corwin | Landowner request | Multiple route alternatives were reviewed and rejected in an area west of Ypsilanti during landowner discussions. These route alternatives were rejected after being denied right of entry on the new parcels that would be affected. These route alternatives would shift impacts to new landowners. |

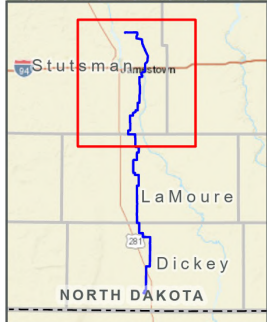
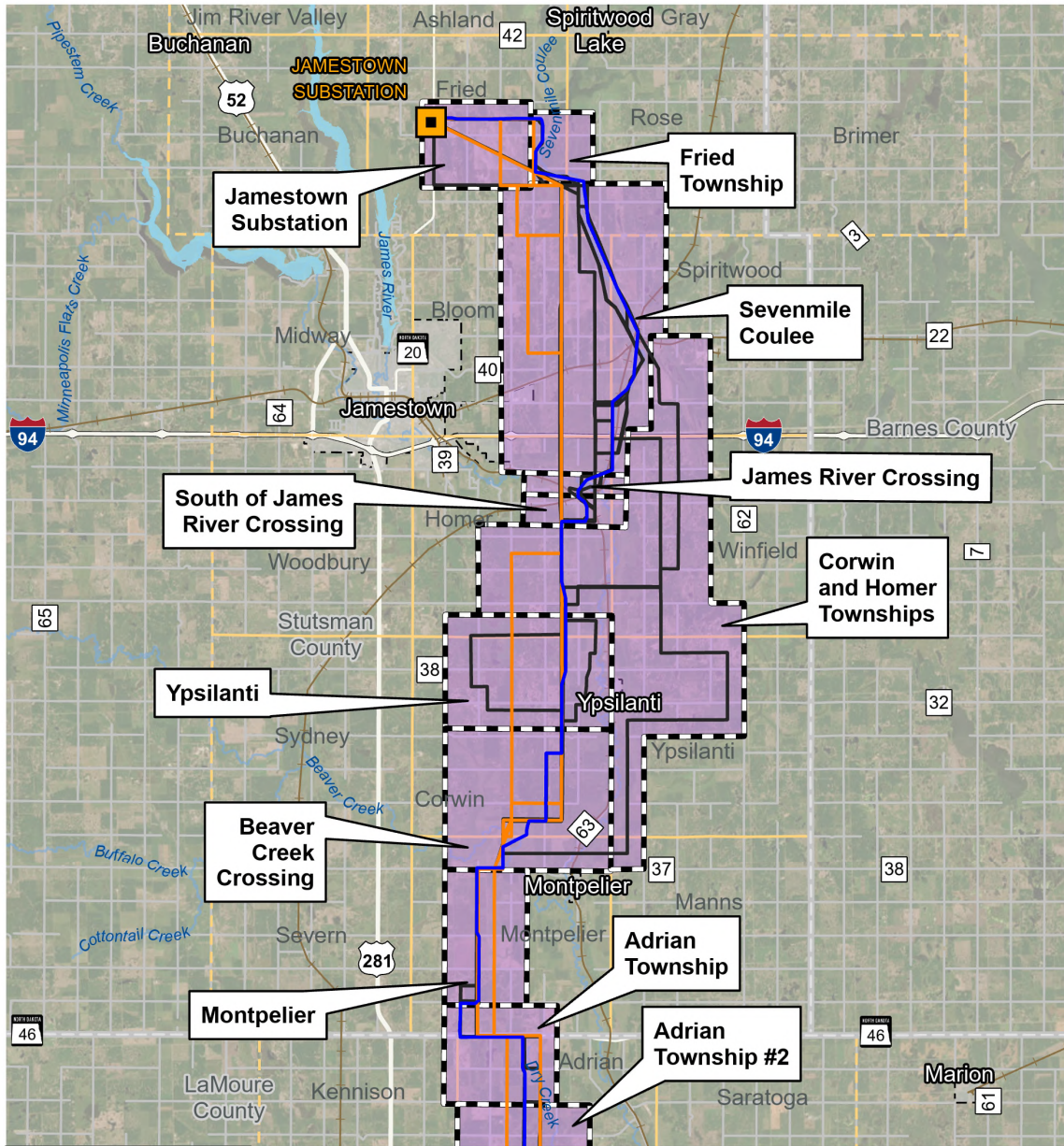
| Route Alternative Area | County(s) | Township(s) | Request Purpose | Notes |
|------------------------|-----------|--------------------|---|--|
| Beaver Creek Crossing | Stutsman | Corwin, Montpelier | Landowner requests | Multiple route alternatives were reviewed and rejected including the proposed route corridor as shown in the public open house meetings in September 2023 at the Beaver Creek crossing during landowner discussions. These route alternatives were rejected due to landowner preference, environmentally sensitive areas and constructability. |
| Montpelier | Stutsman | Montpelier | Landowner requests | Multiple route alternatives were reviewed including the proposed route corridor as shown in the public open house meetings in September 2023 during landowner discussions. These route alternatives as well as the route corridor were rejected due to landowner preferences. |
| Adrian Township | LaMoure | Adrian | Landowner requests | Multiple route alternatives were reviewed and rejected including the route corridor that was shown in public open house meetings in September 2023 in Adrian Township. These route alternatives were rejected due to landowner preferences. |
| Adrian Township #2 | LaMoure | Adrian | Existing land use agreements and landowner comments | Route alternatives were considered based on landowner comments due to existing land use agreements. These route alternatives were rejected after more coordination with the landowners. |
| Russell Township | LaMoure | Russell | Landowner requests | Multiple route alternatives were reviewed including the route corridor that was shown in public open house meetings in September 2023 and in Russell Township during |

| Route Alternative Area | County(s) | Township(s) | Request Purpose | Notes |
|------------------------|-----------|-------------|--------------------|--|
| | | | | landowner discussions. These route alternatives were rejected after being denied right of entry on the new parcels that would be affected. These route alternatives would shift impacts to new landowners. |
| Wano Township | LaMoure | Wano | Landowner requests | Multiple route alternatives were reviewed including the route corridor that was shown in public open house meetings in September 2023 and in Wano Township during landowner discussions. These route alternatives were rejected after being denied right of entry on the new parcels that would be affected. These route alternatives would shift impacts to new landowners. |
| Willowbank Township | LaMoure | Willowbank | Landowner requests | Multiple route alternatives were reviewed including the route corridor that was shown in public open house meetings in September 2023 and in Willowbank Township during landowner discussions. These route alternatives were rejected after being denied right of entry on the new parcels that would be affected. These route alternatives would shift impacts to new landowners. |
| Valley Township | Dickey | Valley | Landowner requests | Alternative routes were reviewed in addition to the route corridor that was shown in public open house meetings in September 2023. These route alternatives were rejected after coming to agreement with adjacent landowners. |
| Ellendale Substation | Dickey | Ellendale | Landowner requests | An alternative route was reviewed in addition to the |



JETx Project | Otter Tail Power and Montana-Dakota Utilities
Route Alternatives Reviewed and Removed from Consideration Report

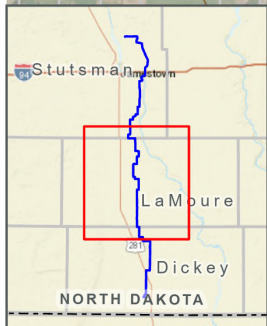
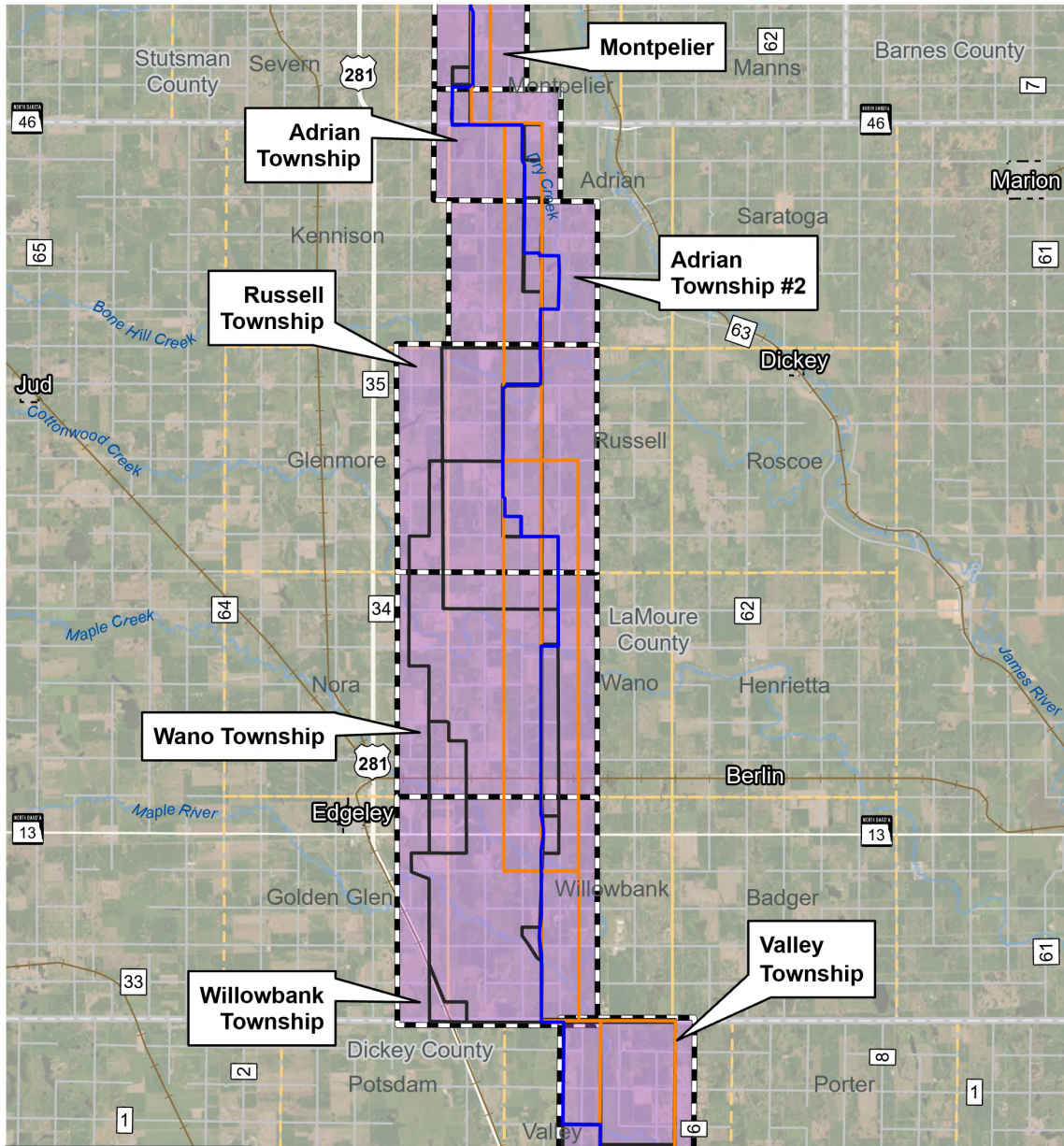
| Route Alternative Area | County(s) | Township(s) | Request Purpose | Notes |
|------------------------|-----------|-------------|-----------------|--|
| | | | | route corridor that was shown in public open house meetings in September 2023. This route alternative was rejected after coming to agreement with the affected landowners. |



Route Alternatives Reviewed and Considered Stutsman County

- Project Substation
- Current Proposed Route
- Sept 2023 Open House Routes
- Route Alternatives
- Route Alternative Area
- County Boundary
- PLSS Townships

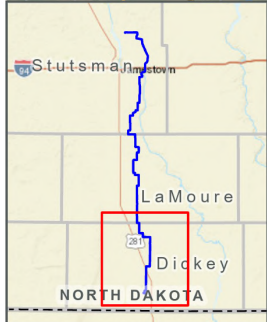
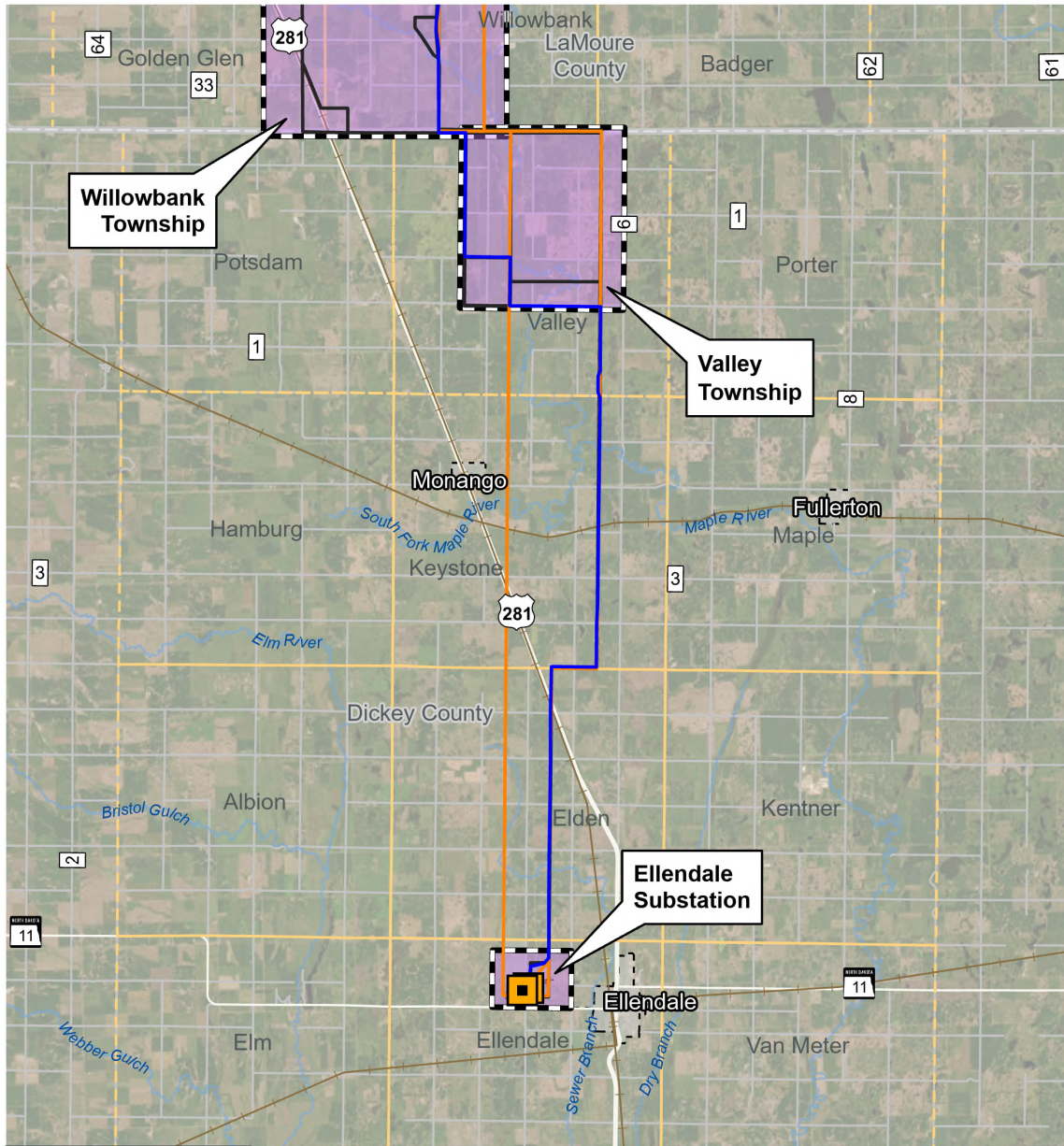











Route Alternatives Reviewed and Considered LaMoure County

- Current Proposed Route
- Sept 2023 Open House Routes
- Route Alternatives
- Route Alternative Area
- County Boundary
- PLSS Townships





Route Alternatives Reviewed and Considered Dickey County

-  Project Substation
-  Current Proposed Route
-  Sept 2023 Open House Routes
-  Route Alternatives
-  Route Alternative Area
-  County Boundary
-  PLSS Townships

