



Big Stone South to Ellendale 345kV Transmission Line

Brian Hunker – HDR Engineering, Inc.

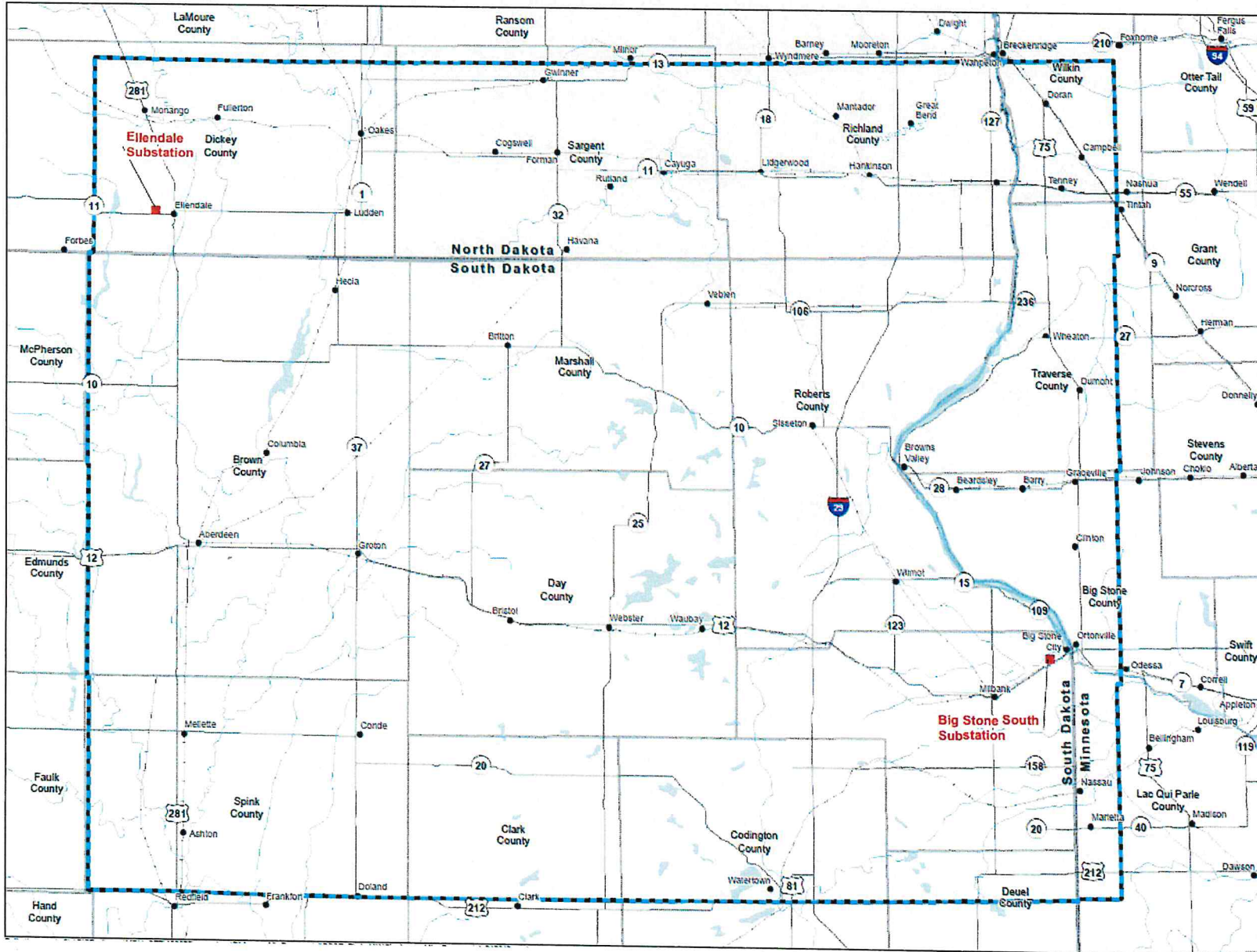
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EXHIBIT
12



- ⦿ Corridor and Route Selection
- ⦿ Surveys
- ⦿ Permits and Agency Coordination
- ⦿ Exclusion Areas
- ⦿ Avoidance Areas
- ⦿ Selection Criteria

- ⦿ Overall length and cost
- ⦿ Existing high voltage transmission lines and transportation infrastructure
- ⦿ Section lines
- ⦿ Populated areas/residences
- ⦿ Environmental and engineering considerations
- ⦿ River crossing locations
- ⦿ Public and agency feedback

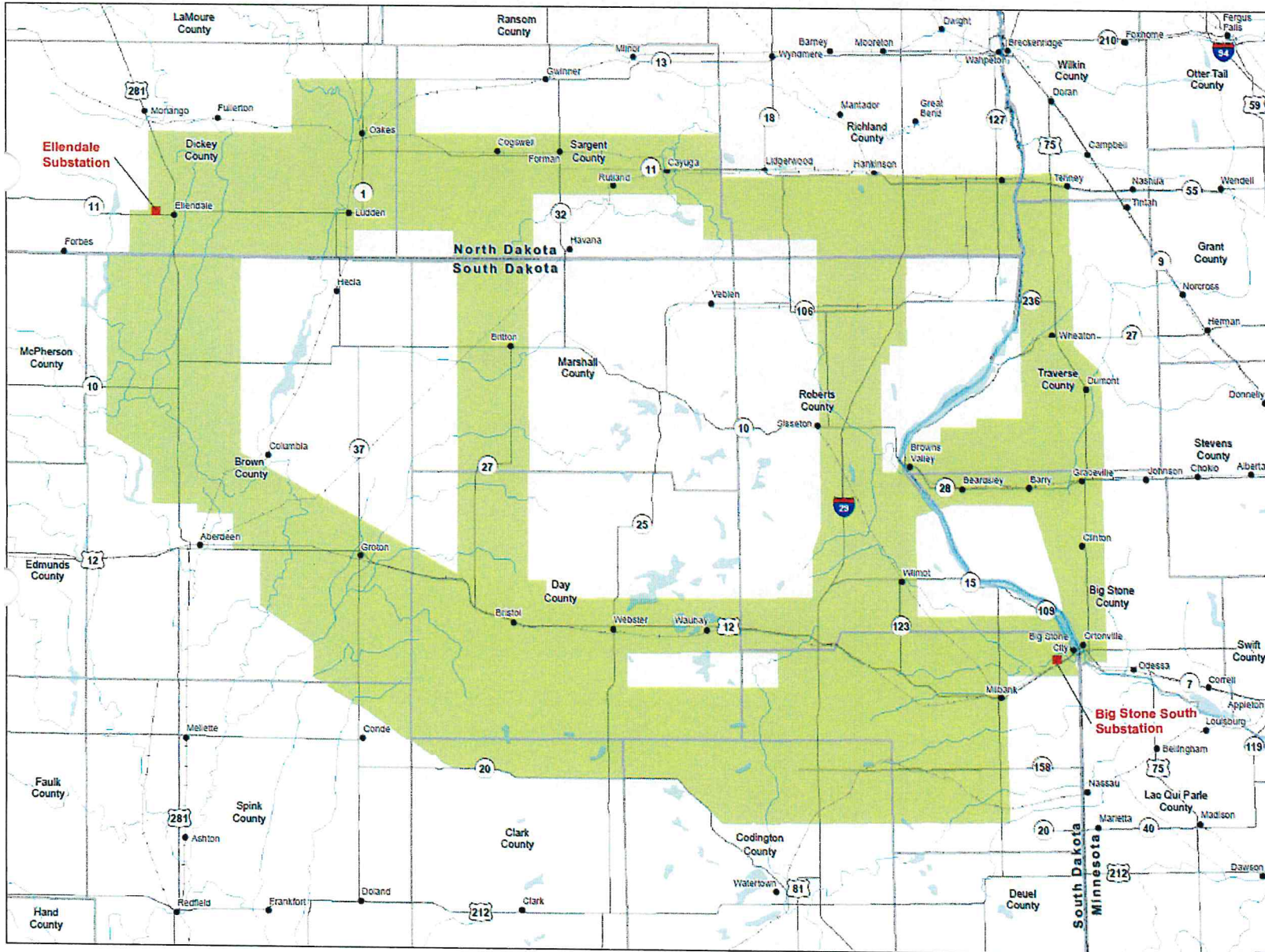
Routing process: Study Area



Big Stone South to Ellendale
345 kV Transmission Line Project
North Dakota and South Dakota



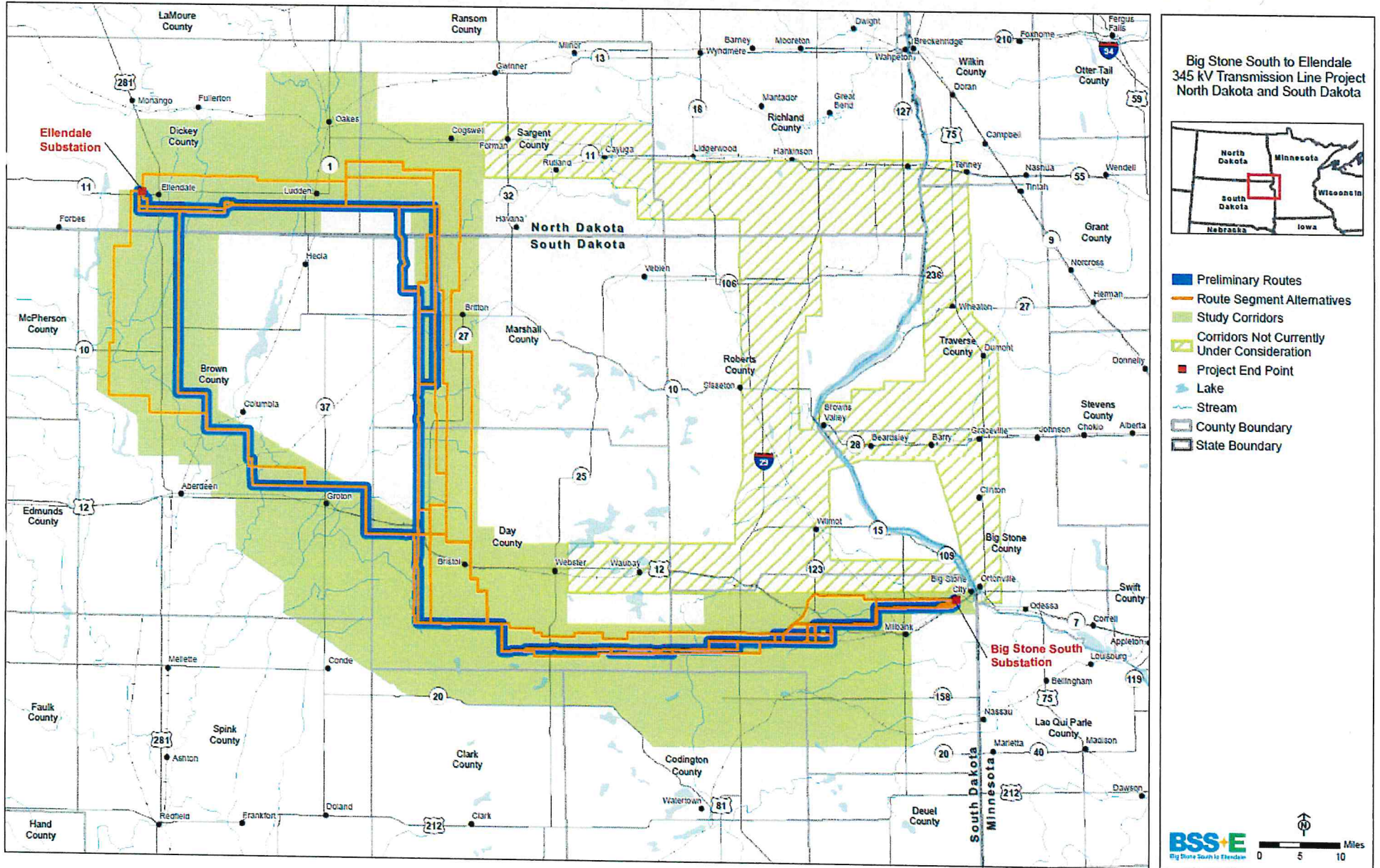
- Study Area
- Project End Point
- Lake
- Stream
- County Boundary
- State Boundary



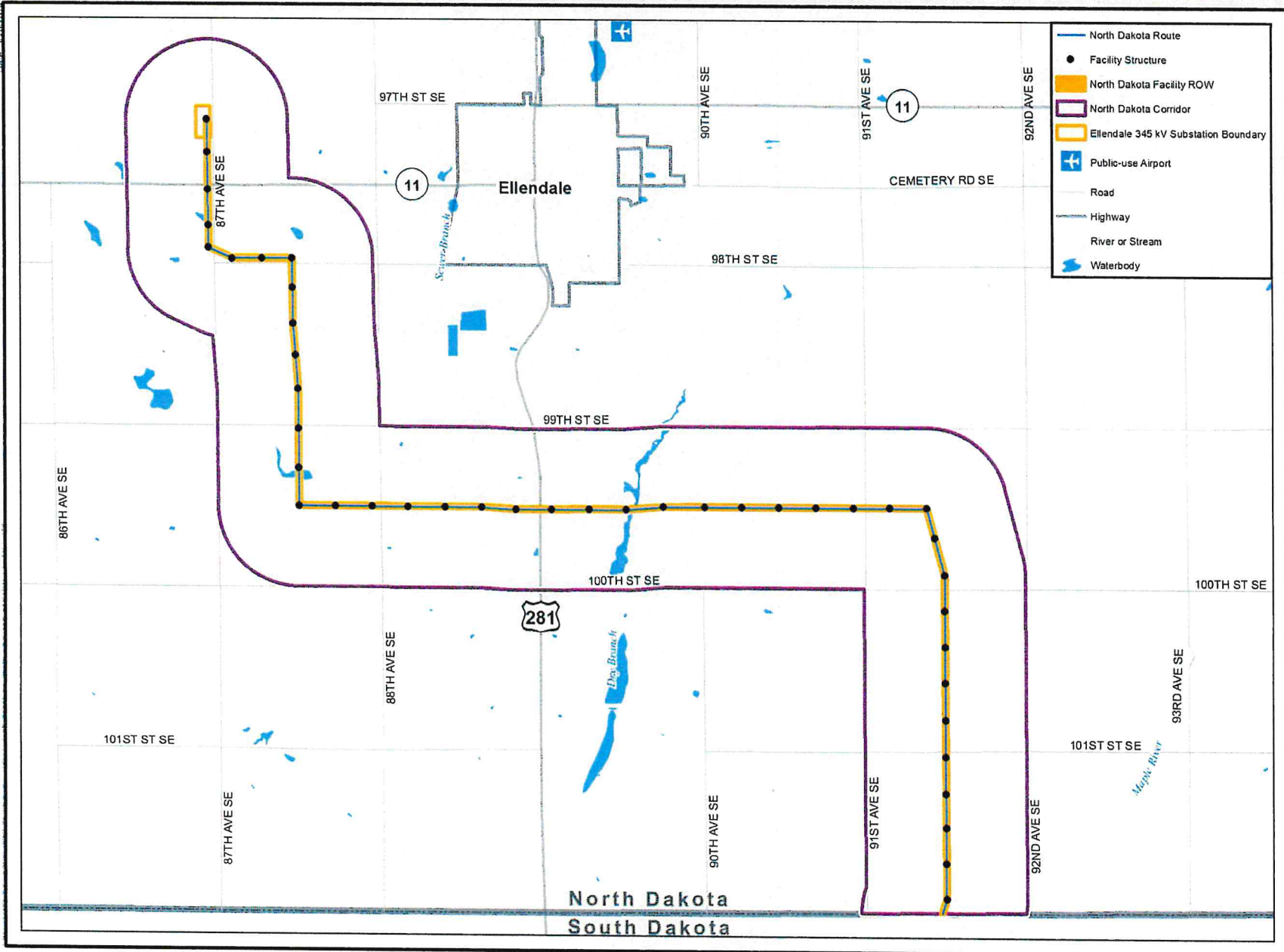
Big Stone South to Ellendale
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- Study Corridors
- Project End Point
- Lake
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- County Boundary
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North Dakota corridor and route



- Class I Literature Search (Appendix D)
- Bald Eagle Nest and Sharp-Tailed Grouse Lek Survey (Appendix E)
- Ellendale 345-kV Substation Calculated Noise Analysis (Appendix H)
- Ellendale 345-kV Substation – Wetland Jurisdictional Determination (Appendix I)
- Cultural Resources Windshield Review with Tribal Representatives
- Digitized Wetland Boundaries

- ⦿ Class III Cultural Resources Inventory
- ⦿ Historic Building Inventory
- ⦿ Wetland Delineation
- ⦿ Tree and Shrub Inventory
- ⦿ Preconstruction Bald Eagle Nest and Sharp-Tailed Grouse Lek Survey
- ⦿ Preconstruction Nesting Bird Survey



Anticipated federal permit/approval

Agency	Type of Permit, Regulatory Compliance, or Coordination	Status
U.S. Fish and Wildlife Service	Letter of Non-Objection	Anticipate filing in first quarter 2015
U.S. Army Corps of Engineers	Section 404 of the Clean Water Act	Anticipate filing in second quarter 2015
Federal Aviation Administration	Form 7460-1, Notice of Proposed Construction or Alteration	Anticipate filing in first quarter 2015
	Form 7460-2 - Notice of Actual Construction or Alteration	Anticipate filing after construction
	Form 7461-1, Notice of Proposed Construction Hazard Determination	Will file, if necessary
U.S. Environmental Protection Agency	Spill Prevention Control and Countermeasure (SPCC) Plan	To be updated, if necessary. Required if the substation facility has greater than 1,320 gallons of oil.



Anticipated state permit/approval

Agency	Type of Permit, Regulatory Compliance, or Coordination	Status
Department of Health	Section 401 Water Quality Certification	Approval with Section 404 permit
	NDPDES Permit: General Construction Storm Water	Anticipate filing before construction
Division of Emergency Management	Emergency Planning and Community Right-to-Know Act (EPCRA) Tier II report	Will file, if necessary
State Water Commission – Office of State Engineer	State Sovereign Lands Permit	Not required
	Drain Permit	Anticipate filing in second quarter 2015
	Conditional Water Permit	Will file if necessary (Currently not anticipated)
State Historical Society	Cultural Resources Consultation	Will file Class III report when surveys complete
North Dakota Highway Patrol	Overheight/Overweight Permit	Anticipate filing before construction
Department of Transportation	Road Approach/Access Permit	Will file, if necessary
	Utility Permit/Risk Management Documents	Anticipate filing before construction



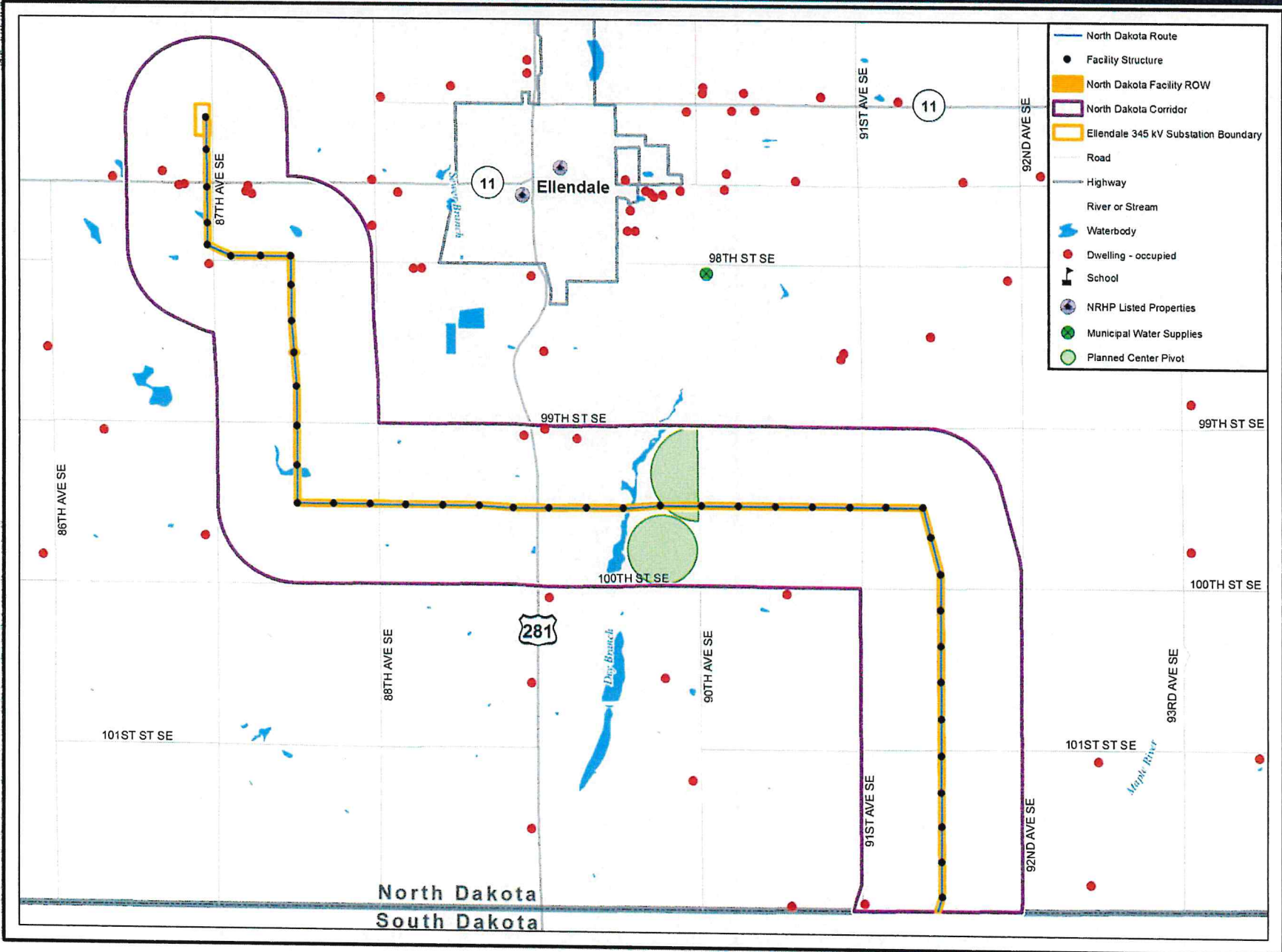
Anticipated local permit/approval

Agency	Type of Permit, Regulatory Compliance, or Coordination	Status
Ellendale Township	Building Permit and Township Board Approval	Anticipate filing in second quarter 2015
Van Meter Township	Building Permit	Anticipate filing in second quarter 2015

- ⦿ Table 35 of Application
- ⦿ US Fish and Wildlife Service
- ⦿ Federal Aviation Administration
- ⦿ Department of Defense
- ⦿ State Water Commission
- ⦿ US Army Corps of Engineer
- ⦿ Dickey County Highway Department

- ⦿ No Exclusion Areas within Corridor or ROW (Table 6 of Application)
- ⦿ Avoidance Areas (Table 7 of Application)
 - 11 occupied residences within Corridor
 - No occupied residences within 500 ft of Route
 - 1 planned center pivot irrigation system will be spanned by the Route
- ⦿ 1 previously recorded cultural resources site and 1 previously recorded cultural resources site lead within SHPO database not within Corridor

Exclusion and avoidance areas



- ⦿ Table 8 of Application
- ⦿ Approx 8.7 acres of cultivated land impacted
- ⦿ No anticipated impact to surface drainages
- ⦿ No known extractive and storage resources
- ⦿ Approx 2.9 acres of wetland impacts – Impacts minimized and will be permitted
- ⦿ No impacts to communication resources
- ⦿ Minimize impacts to wildlife
- ⦿ Minimize impacts to plant life