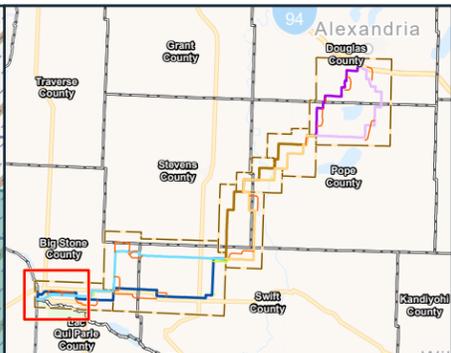
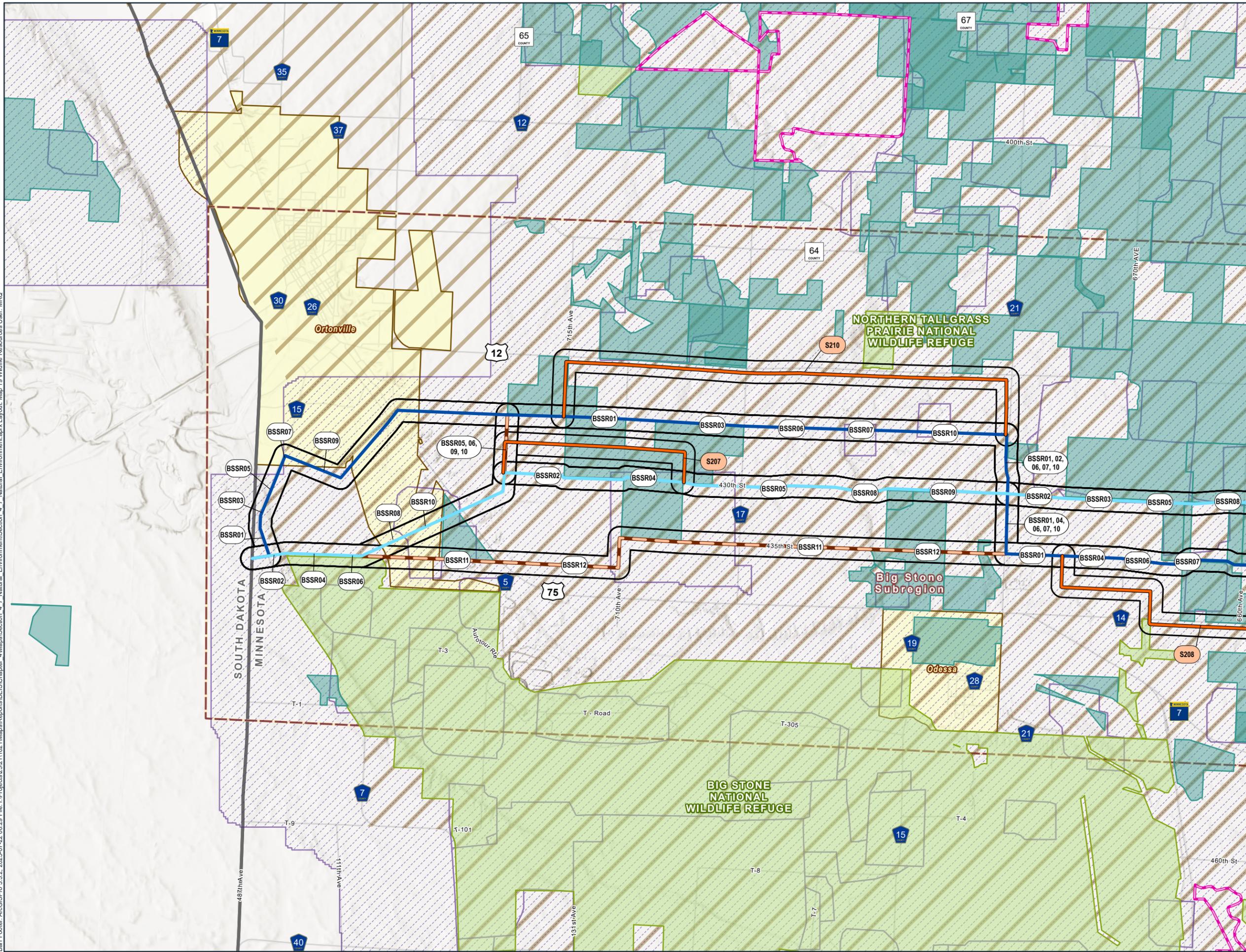


# **Appendix G**

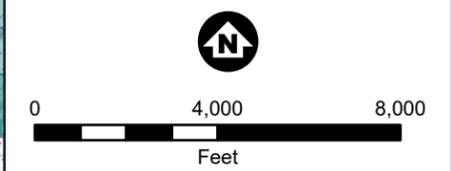
## **Map Books**

Maps G-18 through G-21

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- Routes Associated with South 1
- Routes Associated with South 2
- Route Label
- Route Segment
- Route Segment Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary
- Wildlife Management Area
- Waterfowl Production Areas
- National Wildlife Refuge
- Grassland Bird Conservation Areas
- Important Bird Areas

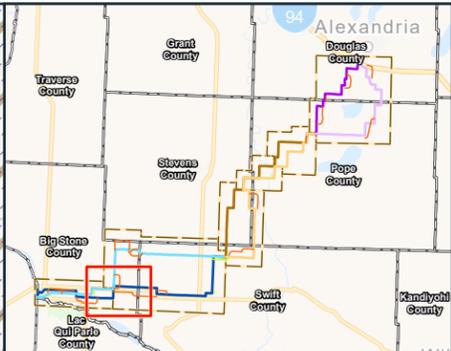
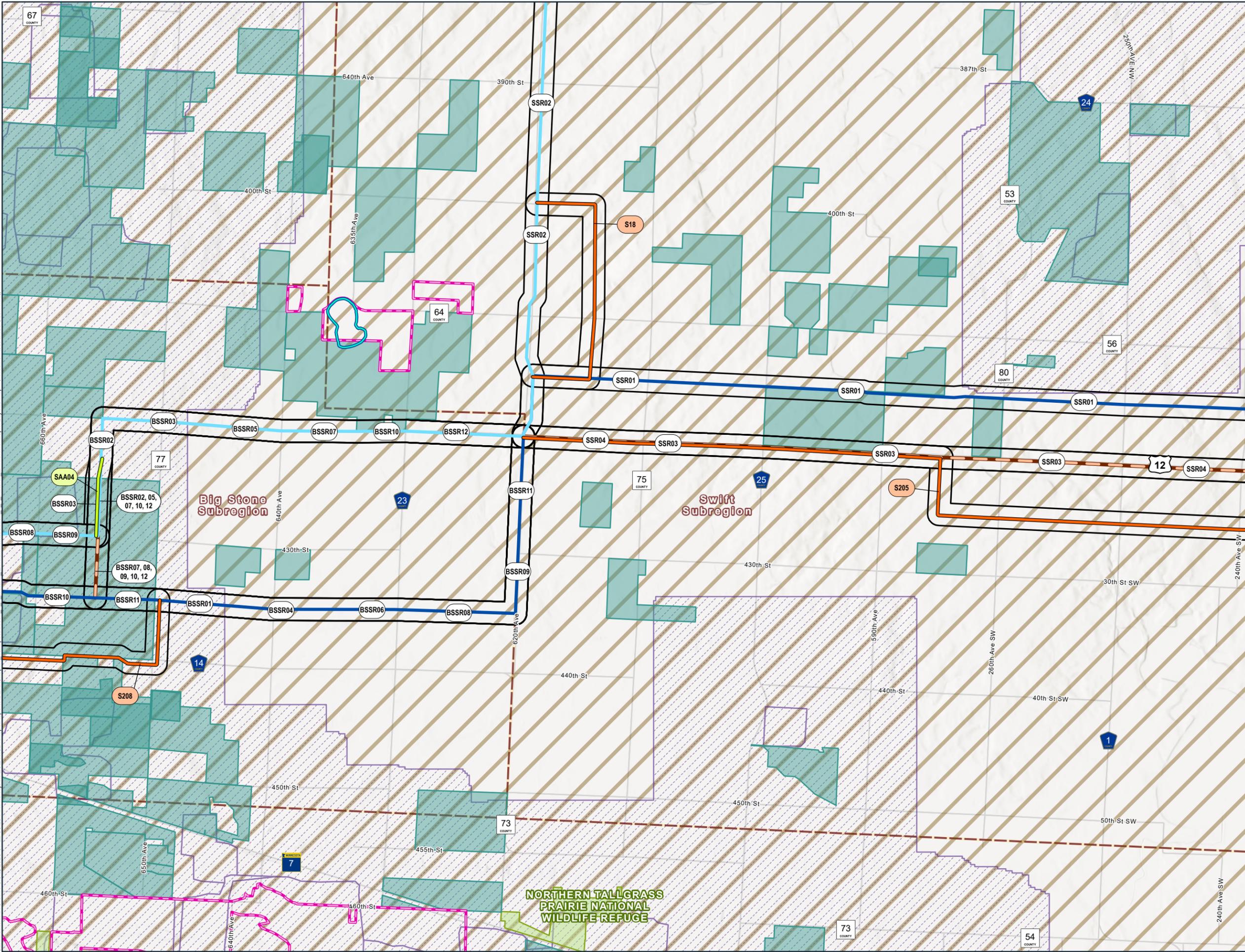


**Wildlife Resources**  
**Big Stone Subregion**  
 Big Stone South to Alexandria  
 Project

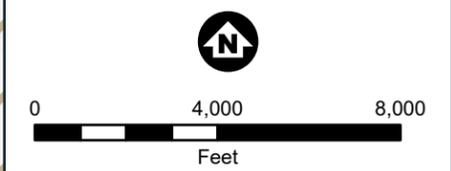
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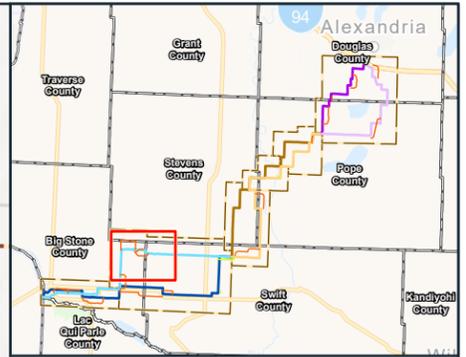
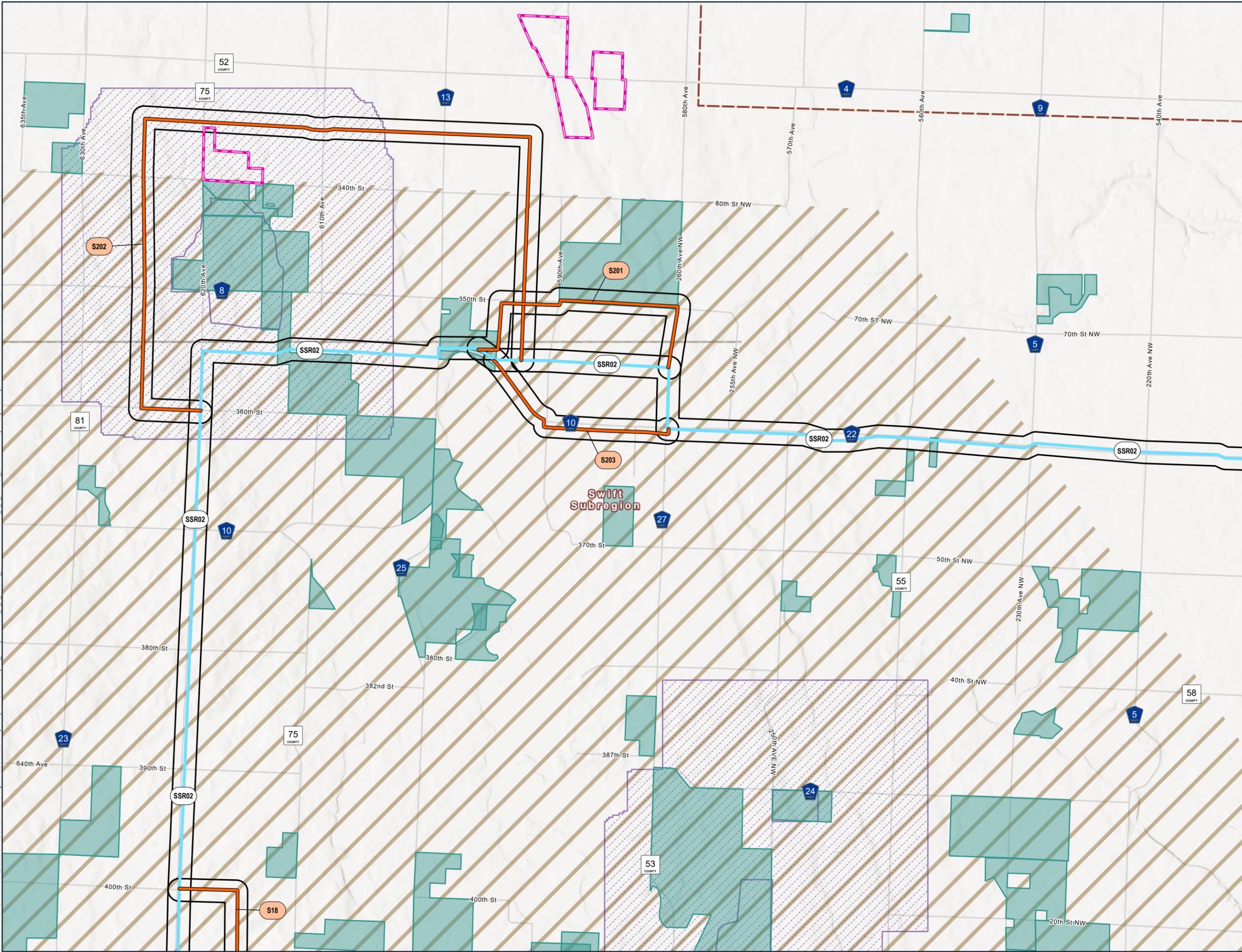
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- Routes Associated with South 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Alignment Alternative
- SAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Wildlife Management Area
- Designated Wildlife Lake
- Waterfowl Production Areas
- National Wildlife Refuge
- Grassland Bird Conservation Areas
- Important Bird Areas



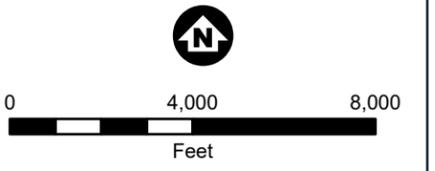
**Wildlife Resources**  
**Big Stone and Swift**  
**Subregions**  
 Big Stone South to Alexandria  
 Project

MAP 18-2

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-  Routes Associated with South 2
-  Route Label
-  Route Segment
-  Route Segment Label
-  Route Width
-  Assessment Subregion
-  Wildlife Management Area
-  Waterfowl Production Areas
-  Grassland Bird Conservation Areas
-  Important Bird Areas

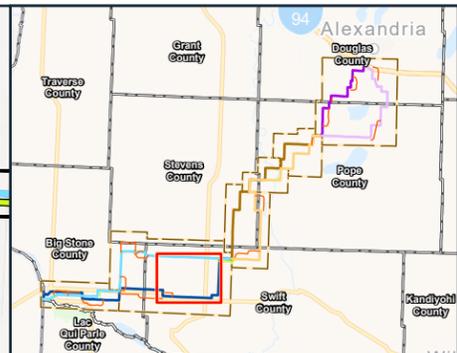
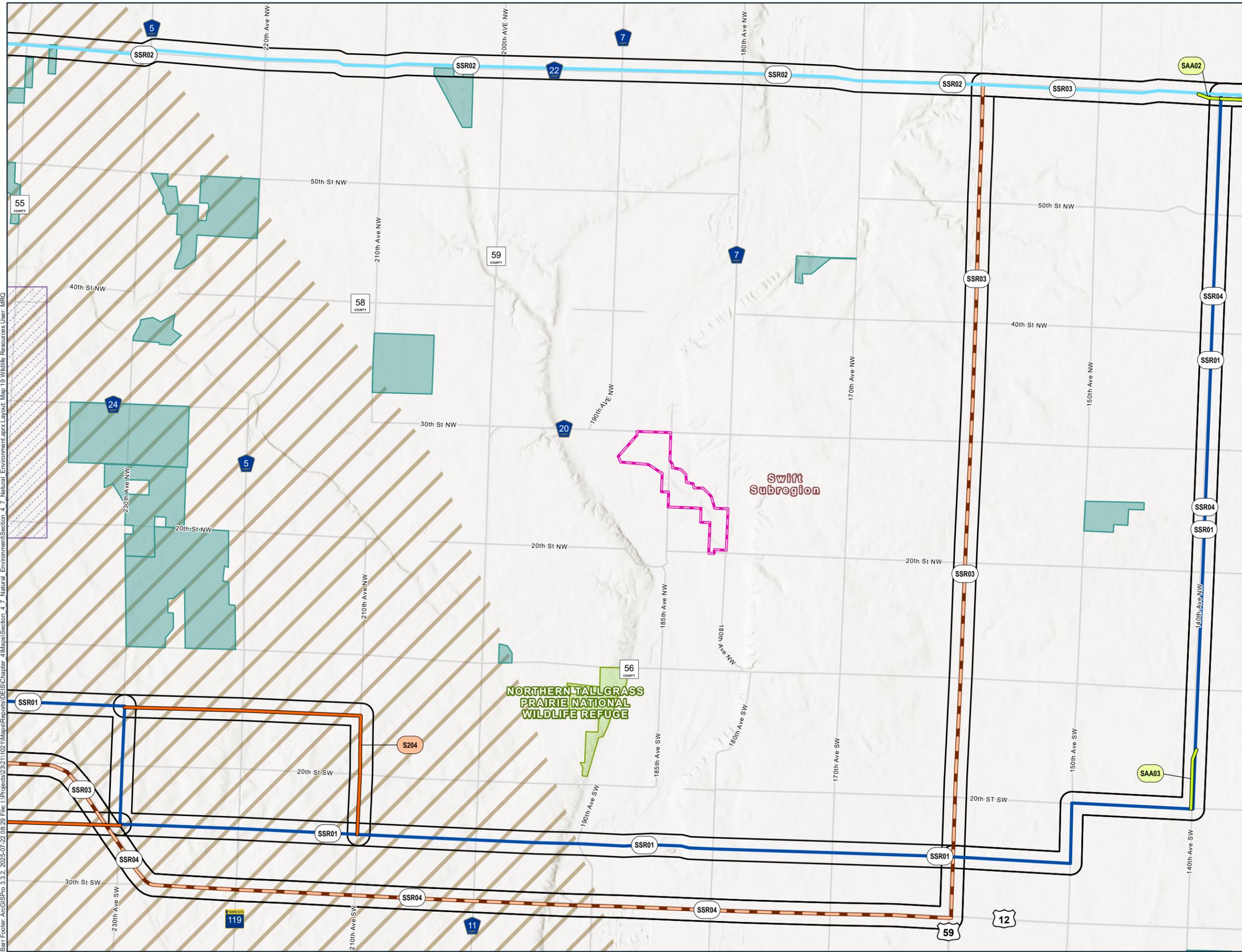


**Wildlife Resources**  
**Swift Subregion**  
 Big Stone South to Alexandria  
 Project

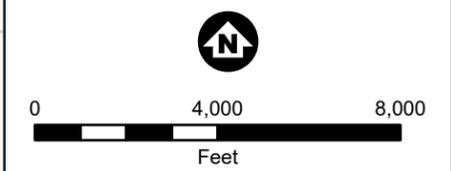
MAP 18-3



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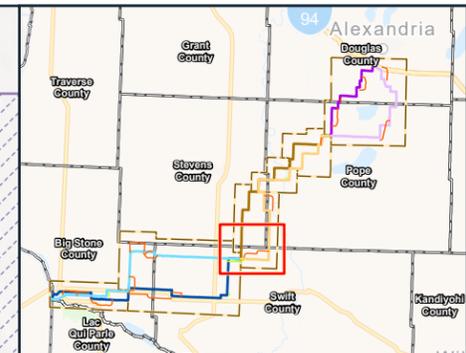
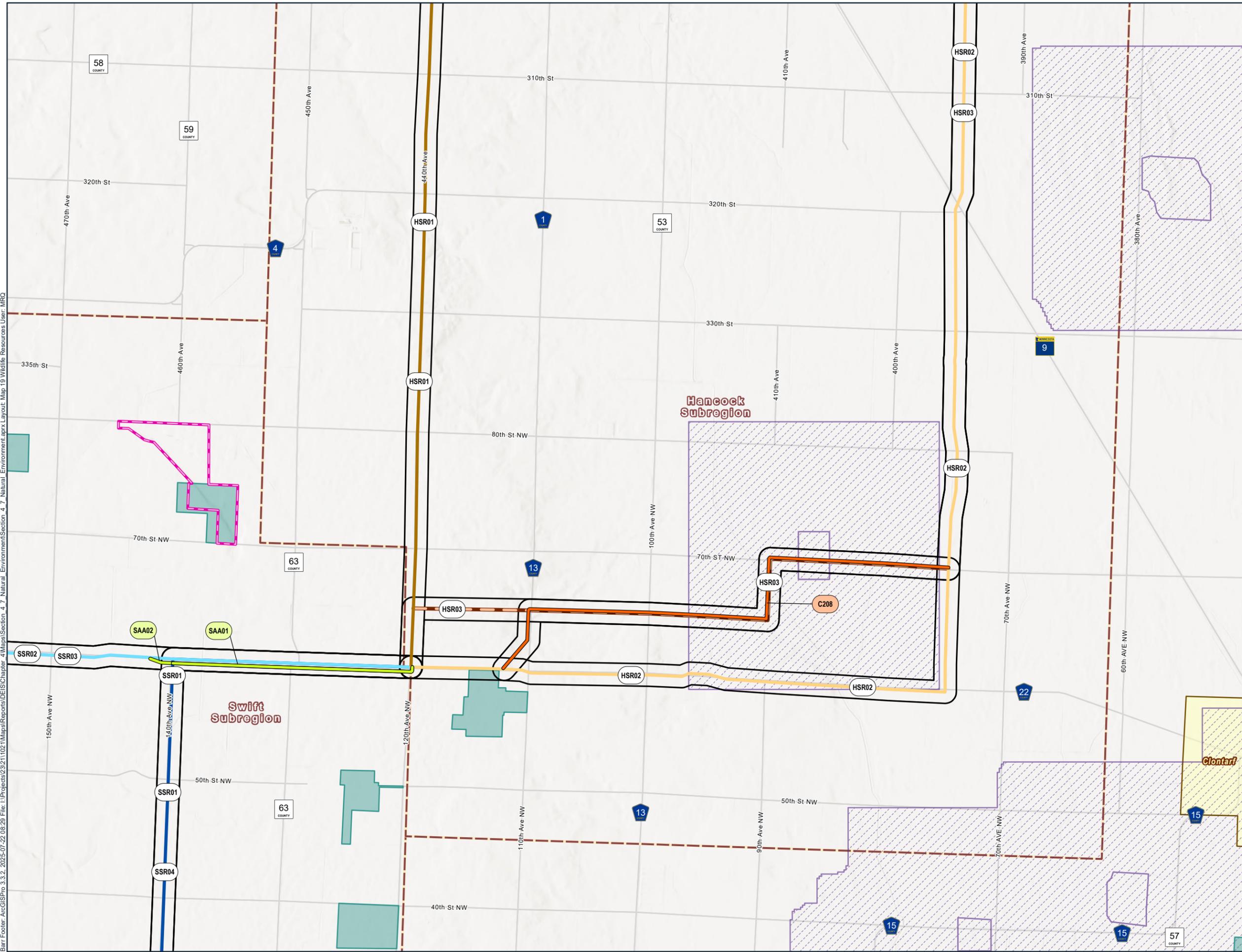
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- Route Label
- Route Segment
- Route Segment Label
- Alignment Alternative
- Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Wildlife Management Area
- Waterfowl Production Areas
- National Wildlife Refuge
- Grassland Bird Conservation Areas
- Important Bird Areas



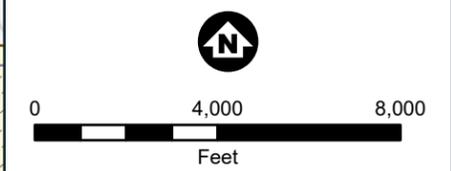
**Wildlife Resources**  
**Swift Subregion**  
 Big Stone South to Alexandria  
 Project

MAP 18-4

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- Routes Associated with South 1
- Routes Associated with South 2
- Routes Associated with Central 1
- Routes Associated with Central 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- SAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary
- Wildlife Management Area
- Waterfowl Production Areas
- Grassland Bird Conservation Areas

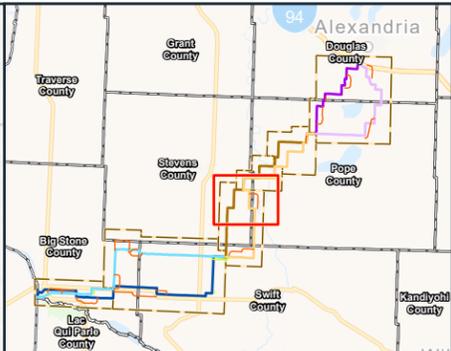
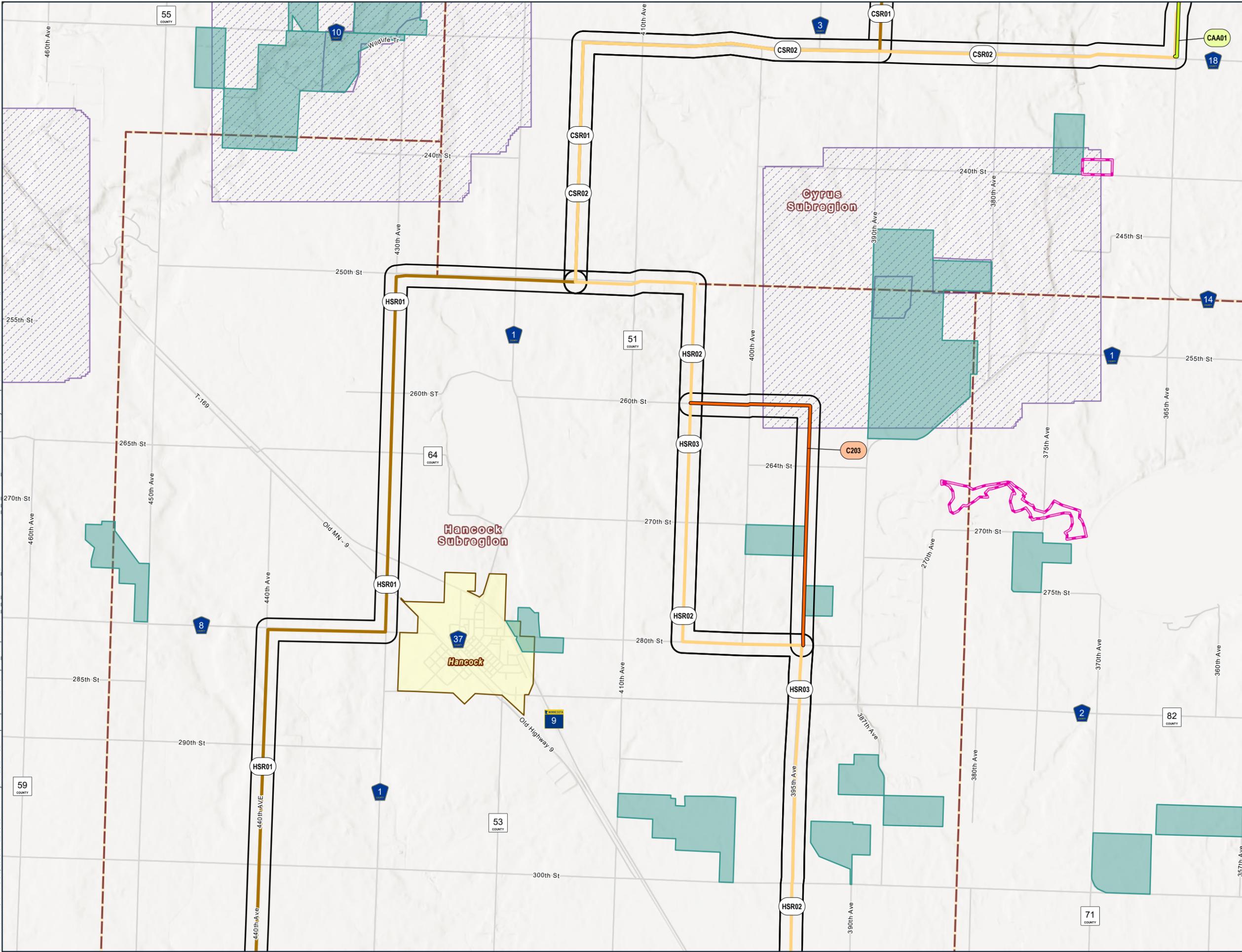


**Wildlife Resources**  
**Swift and Hancock Subregions**  
 Big Stone South to Alexandria  
 Project

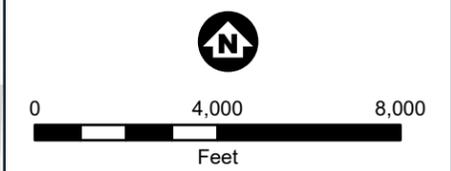
MAP 18-5

**m** MINNESOTA

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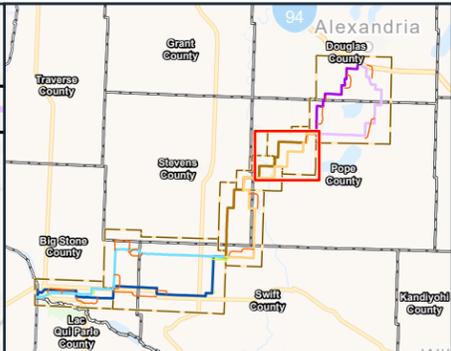
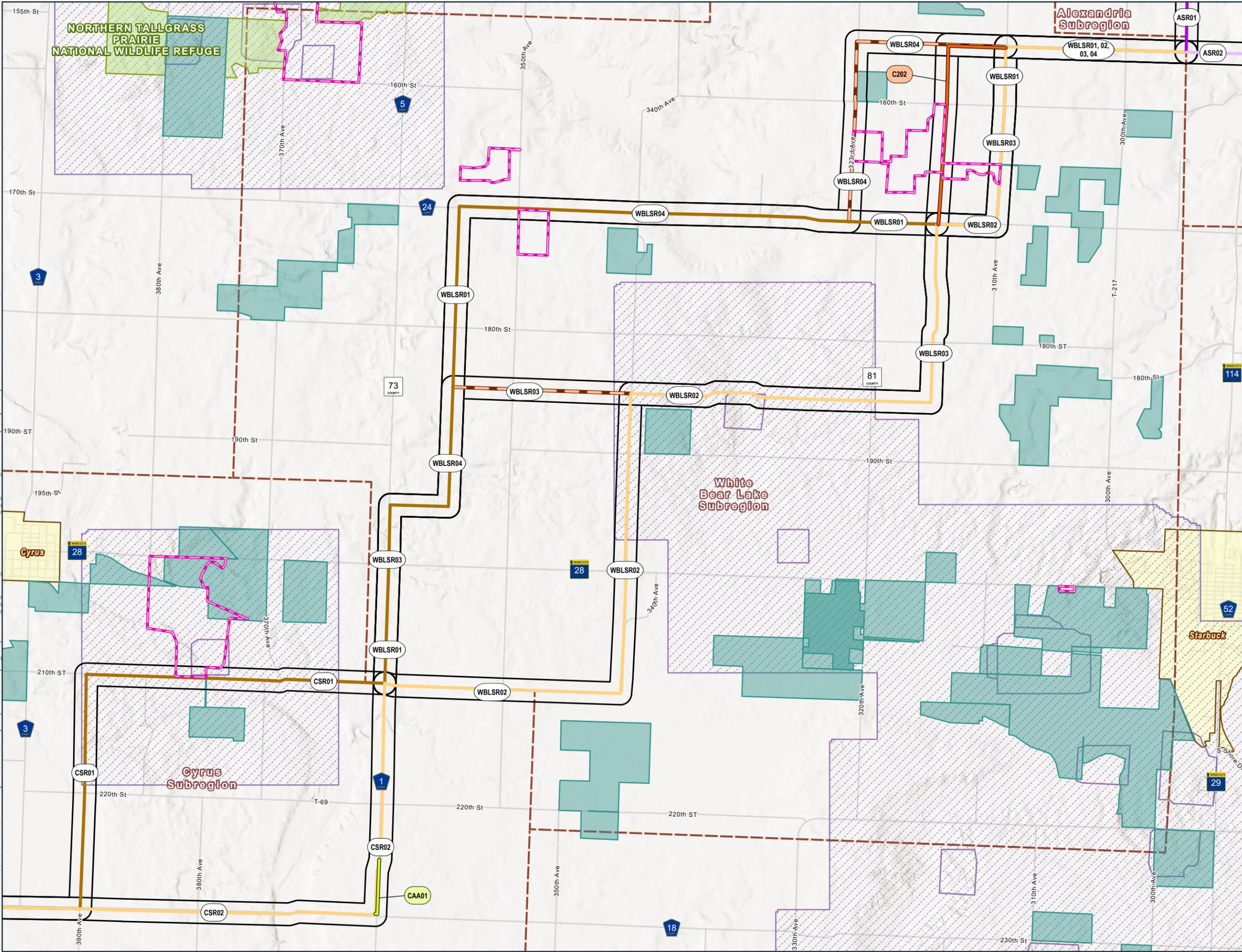
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- Route Label
- Route Segment
- Route Segment Label
- Alignment Alternative
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- Route Width
- Assessment Subregion
- Municipal Boundary
- Wildlife Management Area
- Waterfowl Production Areas
- Grassland Bird Conservation Areas



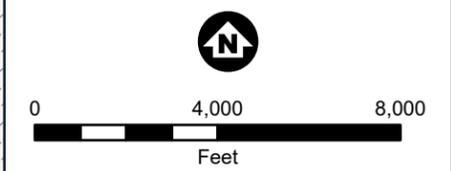
**Wildlife Resources  
Hancock and Cyrus  
Subregions**  
Big Stone South to Alexandria  
Project  
MAP 18-6



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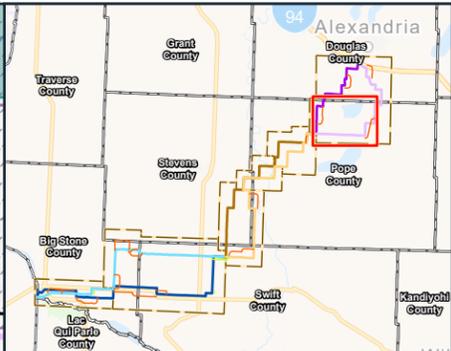
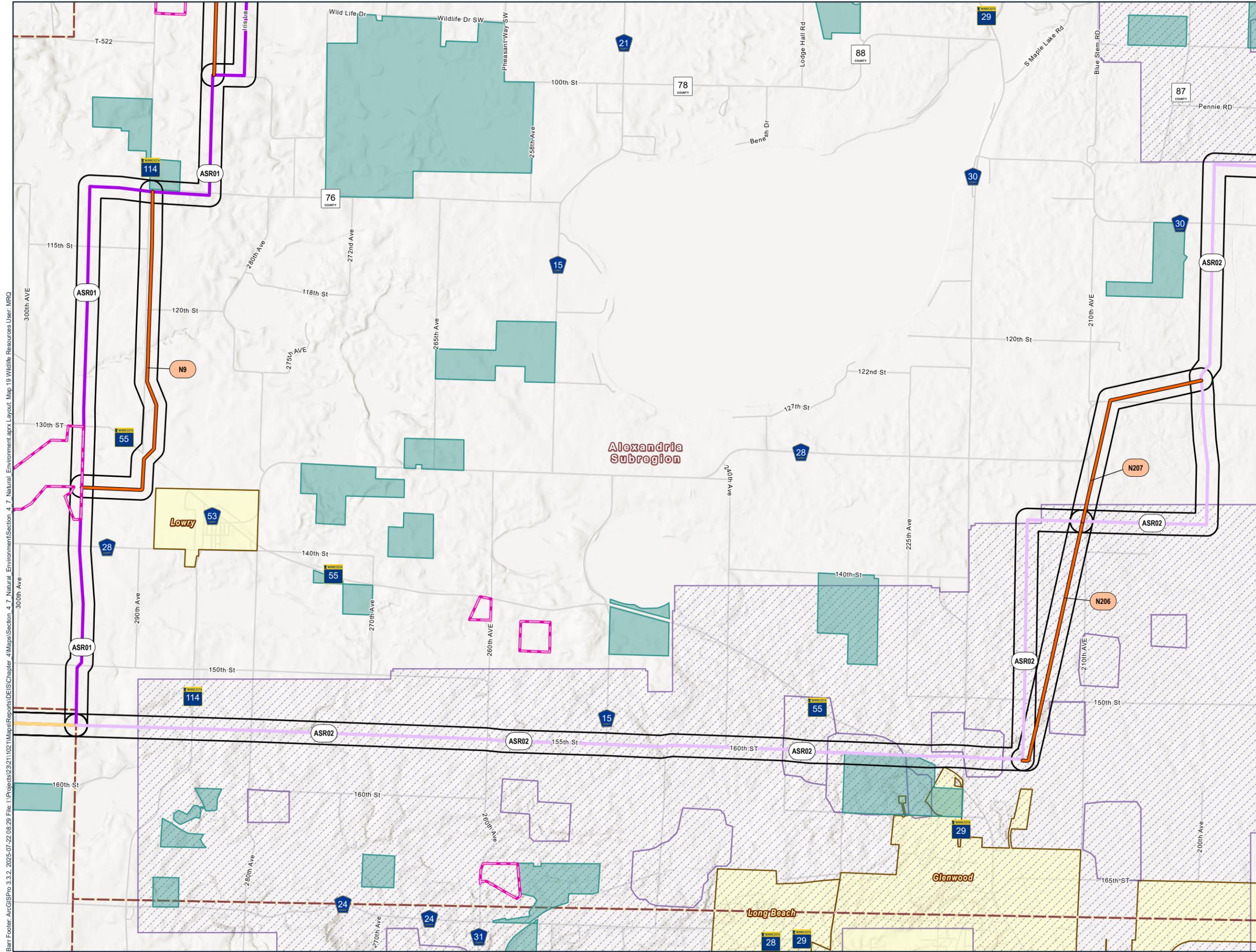


- Routes Associated with Central 1
- Routes Associated with Central 2
- Routes Associated with North 1
- Routes Associated with North 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Alignment Alternative
- SAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary
- Wildlife Management Area
- Waterfowl Production Areas
- National Wildlife Refuge
- Grassland Bird Conservation Areas

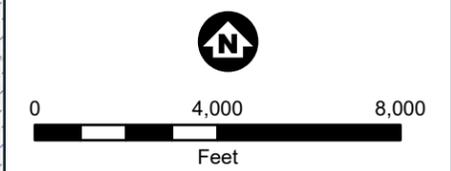


**Wildlife Resources**  
**Cyrus and White Bear Lake**  
**Subregions**  
 Big Stone South to Alexandria  
 Project  
 MAP 18-7





- Routes Associated with Central 1
- Routes Associated with Central 2
- Routes Associated with North 1
- Routes Associated with North 2
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- S204 Route Segment Label
- Route Width
- Assessment Subregion
- Municipal Boundary
- Wildlife Management Area
- Waterfowl Production Areas
- Grassland Bird Conservation Areas

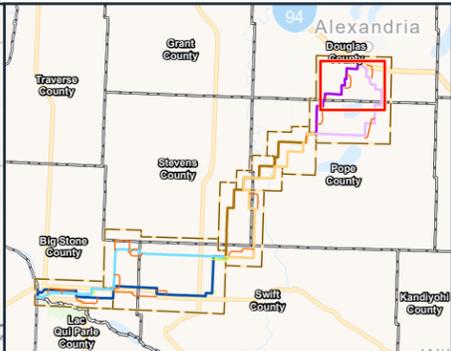
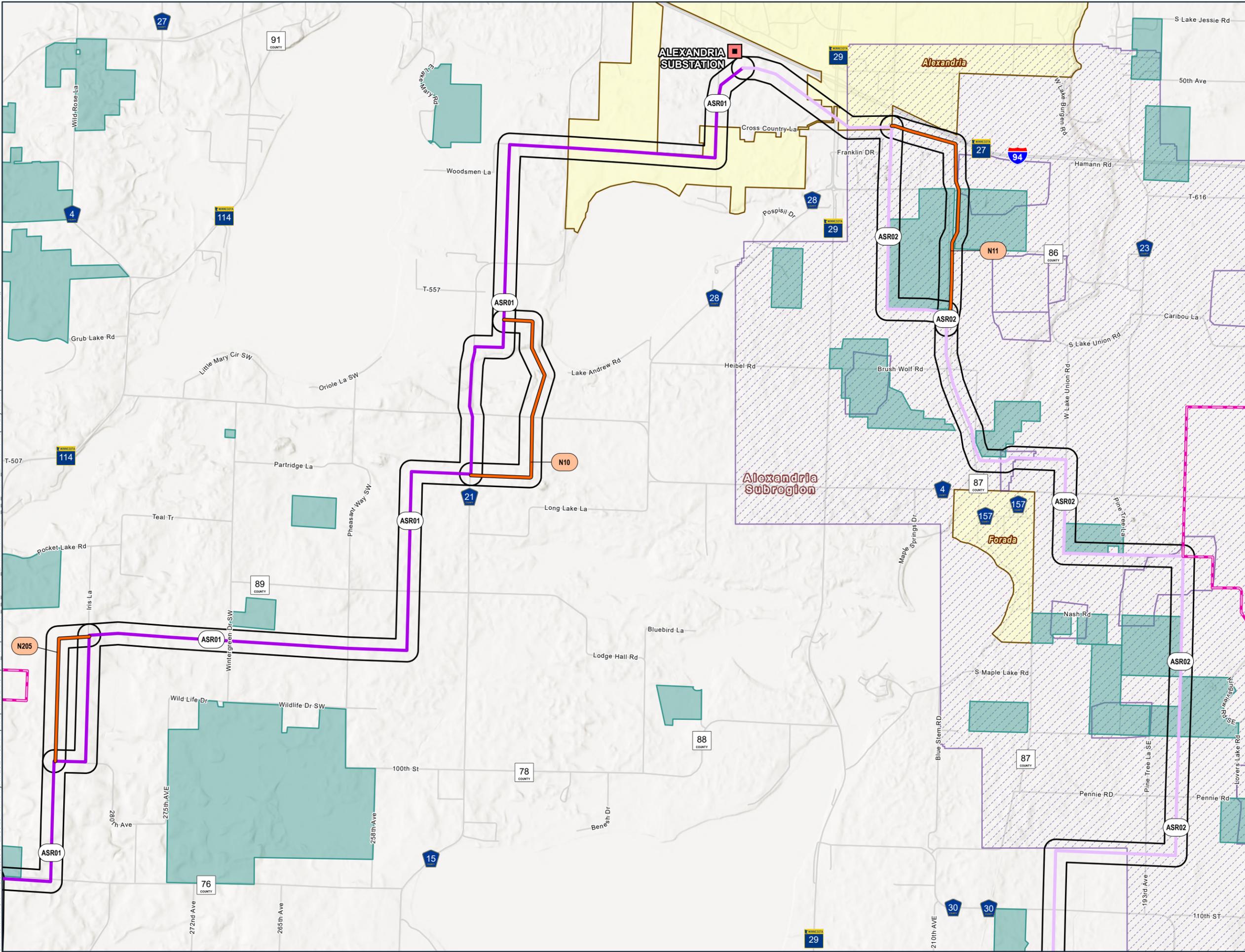


**Wildlife Resources**  
**White Bear Lake and**  
**Alexandria Subregions**  
 Big Stone South to Alexandria  
 Project  
 MAP 18-8

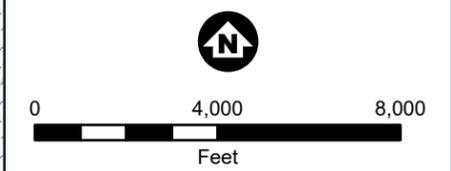


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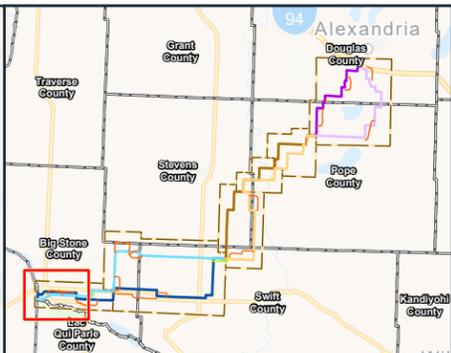
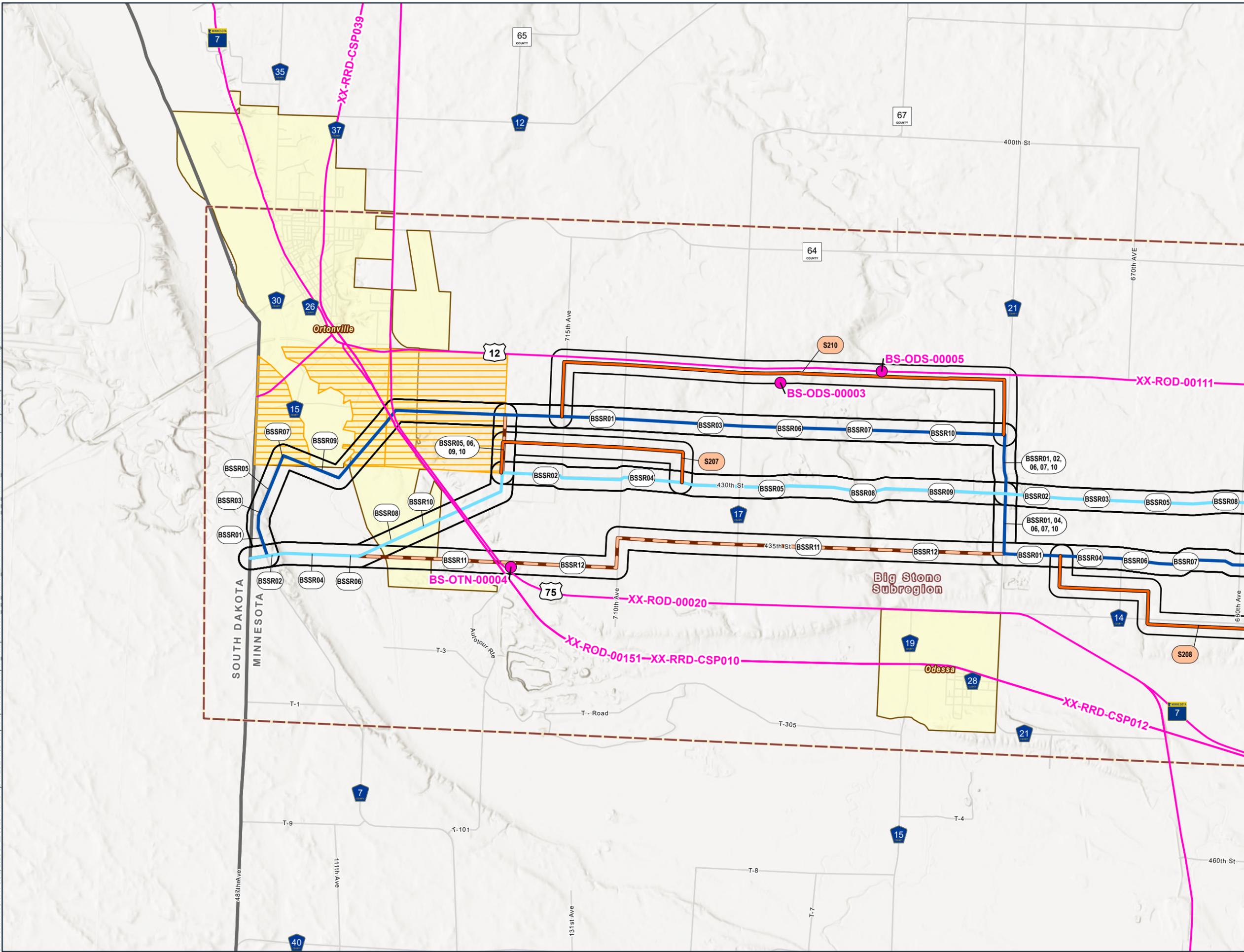
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- S204 Route Segment Label
- Route Width
- Assessment Subregion
- Substation
- Municipal Boundary
- Wildlife Management Area
- Waterfowl Production Areas
- Grassland Bird Conservation Areas



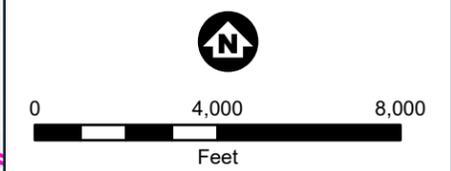
**Wildlife Resources**  
**Alexandria Subregion**  
 Big Stone South to Alexandria  
 Project

MAP 18-9





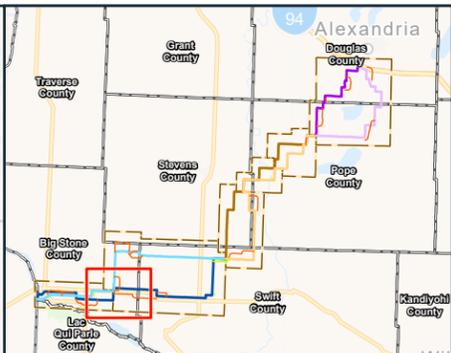
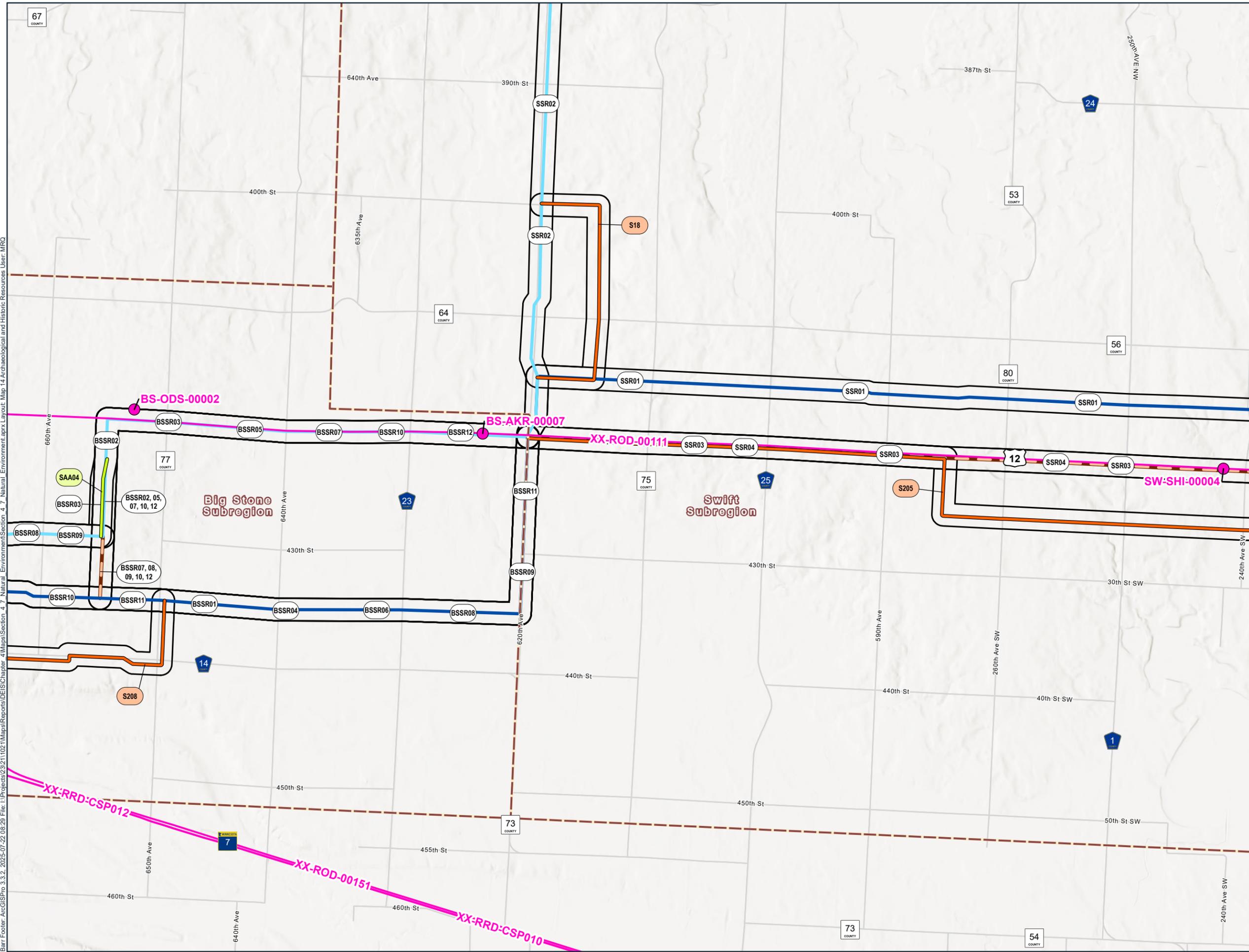
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- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary
- Historic/Architectural Resource
- Historic/Architectural Resource (Linear Feature)
- Section Containing Archaeological Site**
- 2 Sites



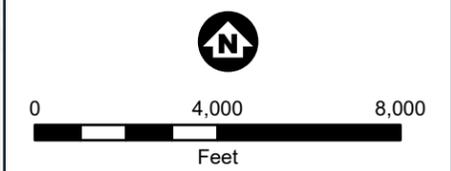
**Archaeological and Historic Resources**  
**Big Stone Subregion**  
 Big Stone South to Alexandria Project  
 MAP 19-1



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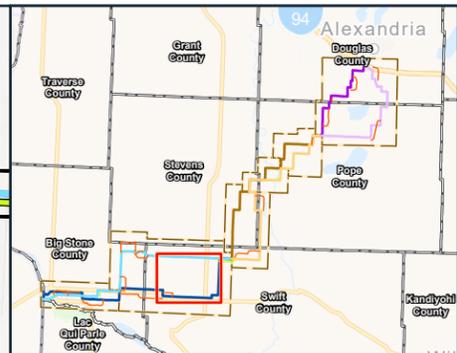
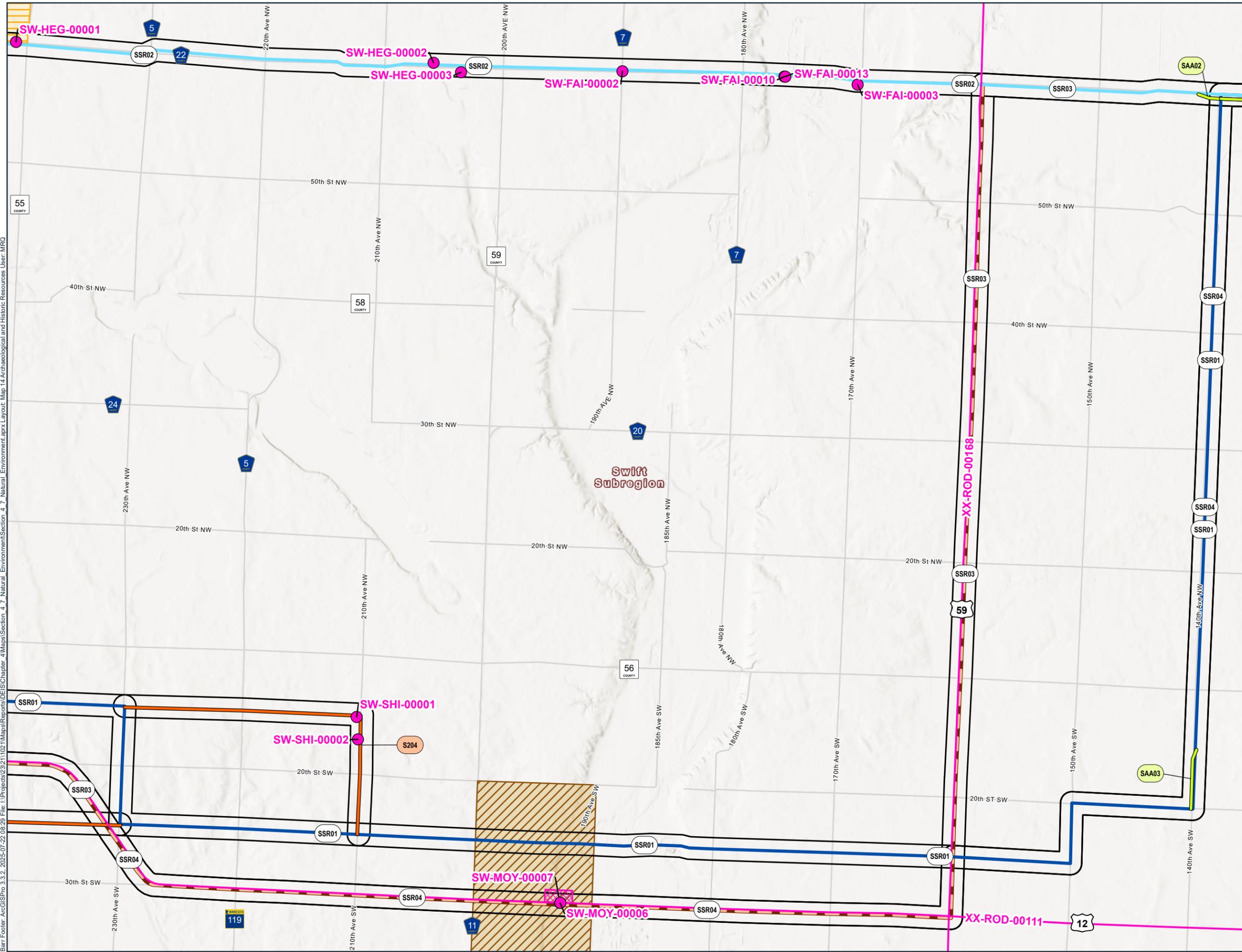
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- Routes Associated with South 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
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- SAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Historic/Architectural Resource
- Historic/Architectural Resource (Linear Feature)



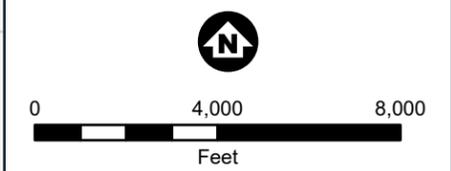
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**Big Stone and Swift Subregions**  
 Big Stone South to Alexandria Project  
 MAP 19-2



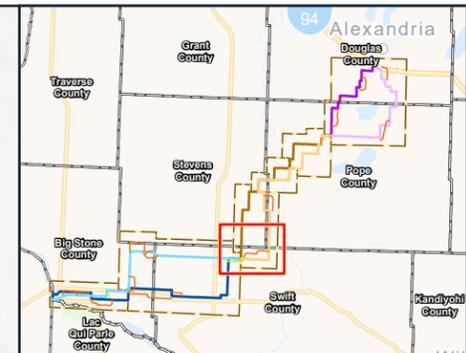
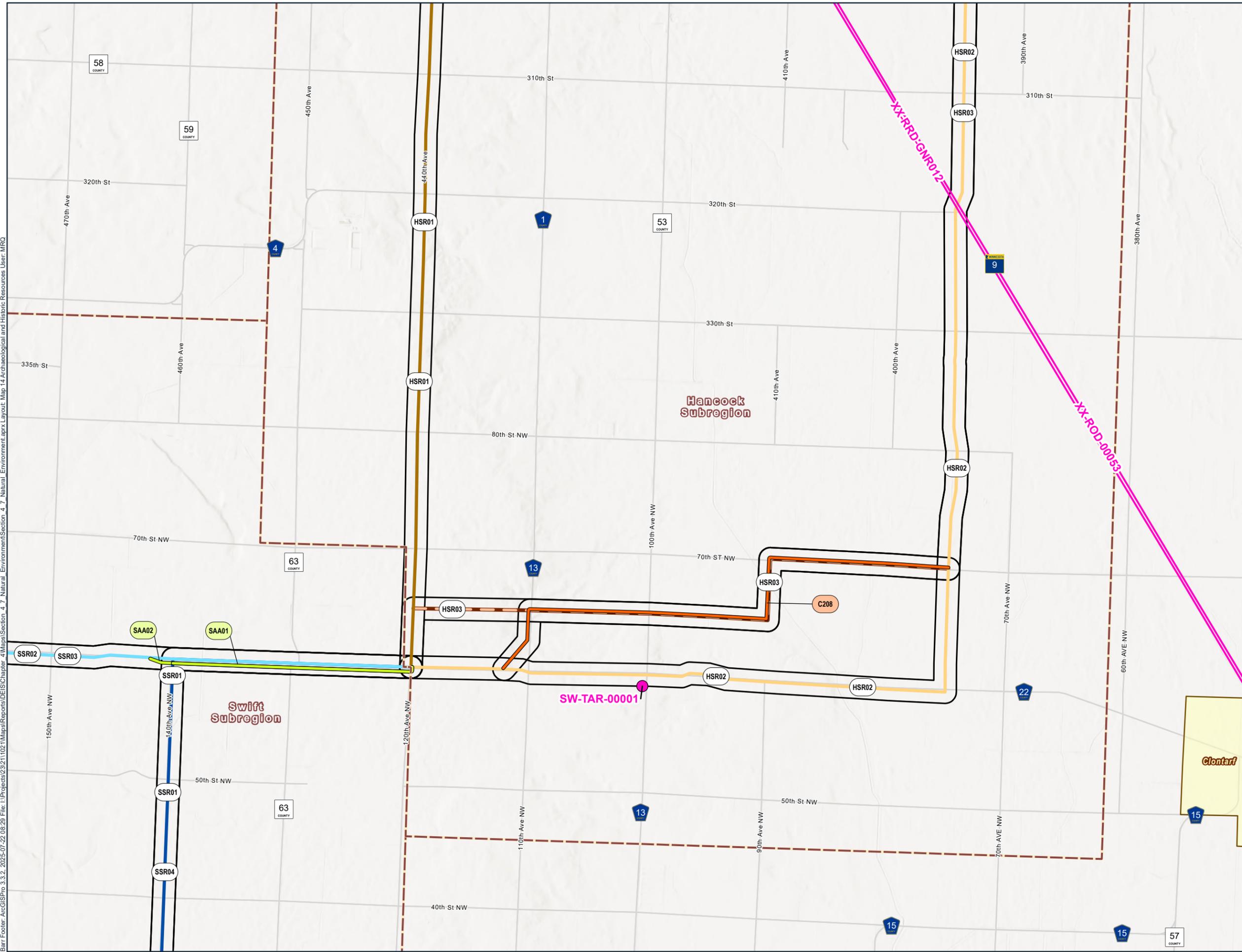




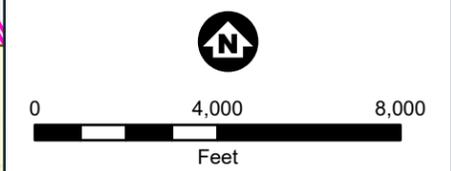
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  - Routes Associated with South 2
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  - Route Segment
  - S204 Route Segment Label
  - Alignment Alternative
  - SAA01 Alignment Alternative Label
  - Route Connector
  - Route Width
  - Assessment Subregion
  - Historic/Architectural Resource
  - Historic/Architectural Resource (Linear Feature)
  - Historic/Architectural Resource (Area Feature)
- Section Containing Archaeological Site**
- 1 Site
  - 2 Sites



**Archaeological and Historic Resources**  
**Swift Subregion**  
 Big Stone South to Alexandria Project  
 MAP 19-4

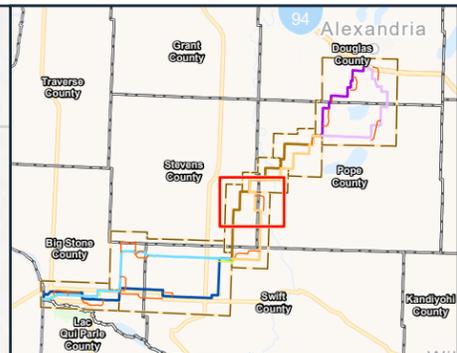
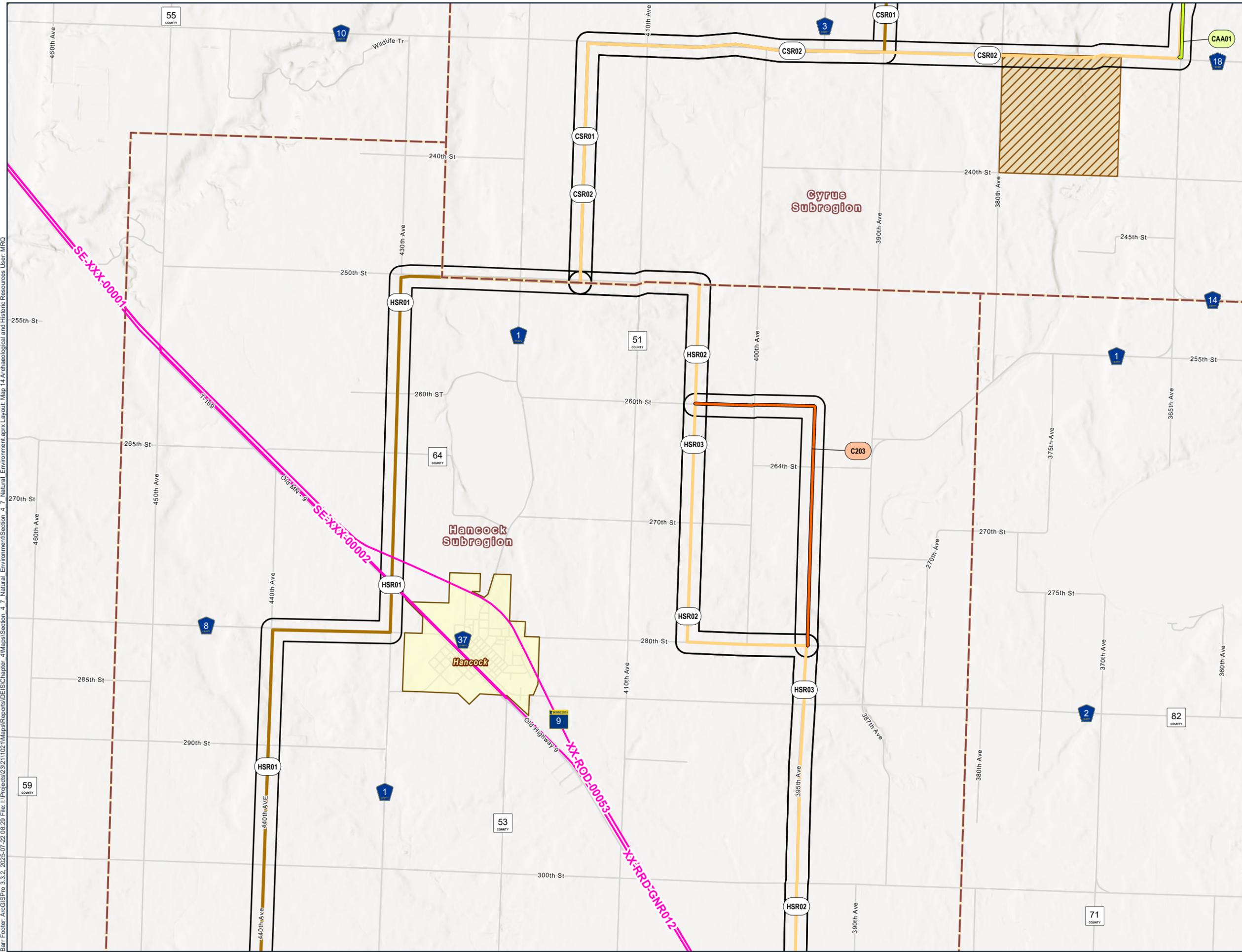


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- Routes Associated with South 2
- Routes Associated with Central 1
- Routes Associated with Central 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Alignment Alternative
- SAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary
- Historic/Architectural Resource
- Historic/Architectural Resource (Linear Feature)

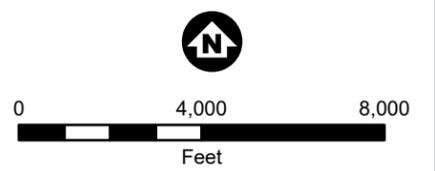


**Archaeological and Historic Resources**  
**Swift and Hancock Subregions**  
 Big Stone South to Alexandria Project  
 MAP 19-5





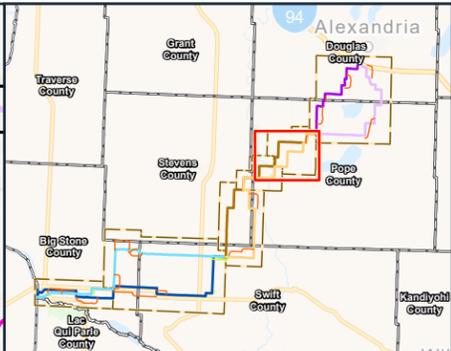
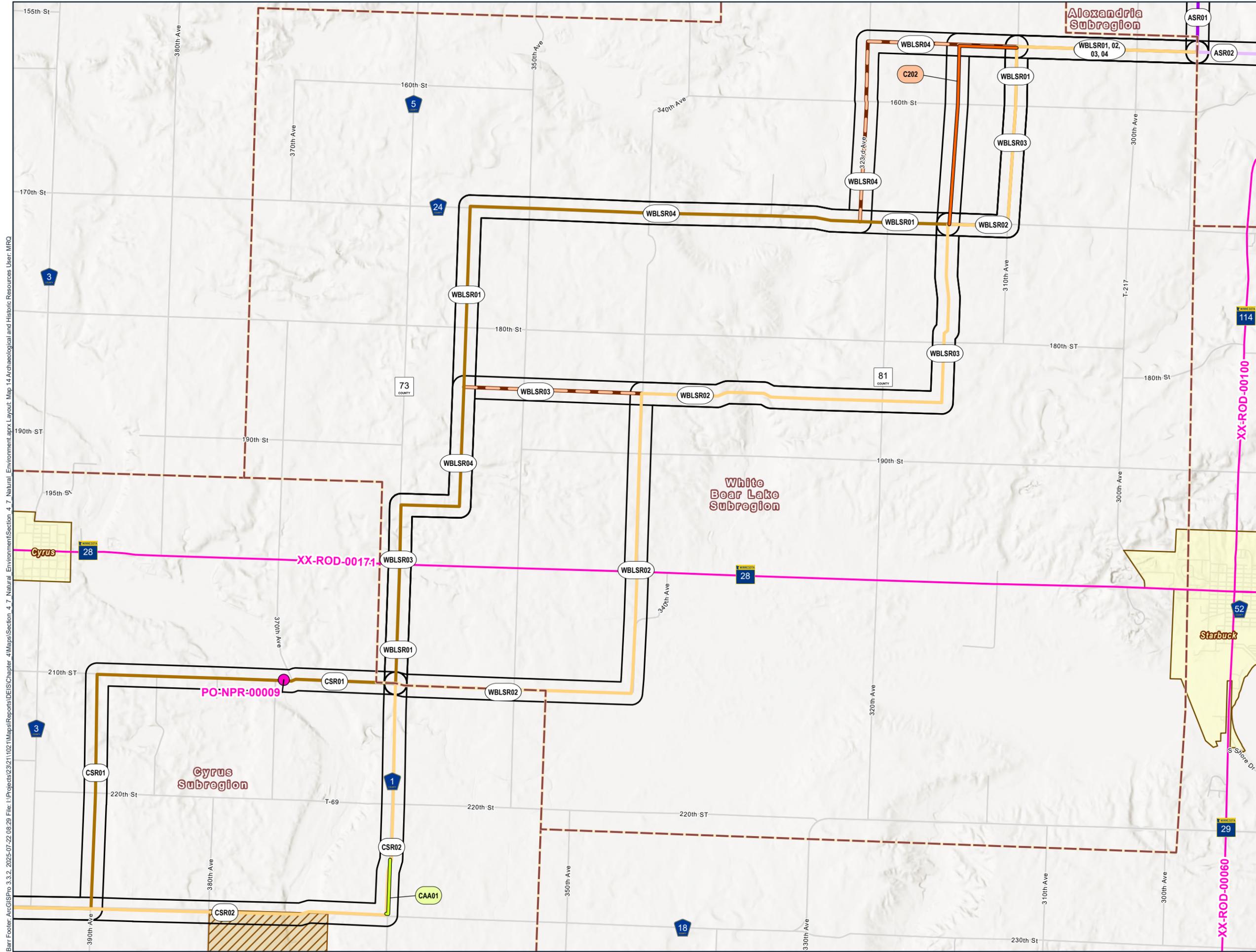
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- Routes Associated with Central 2
- Route Label
- Route Segment
- Route Segment Label
- Alignment Alternative
- Alignment Alternative Label
- Route Width
- Assessment Subregion
- Municipal Boundary
- Historic/Architectural Resource (Linear Feature)
- Section Containing Archaeological Site
- 1 Site



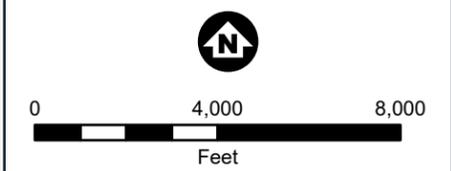
**Archaeological and Historic Resources**  
**Hancock and Cyrus Subregions**  
**Big Stone South to Alexandria Project**  
**MAP 19-6**



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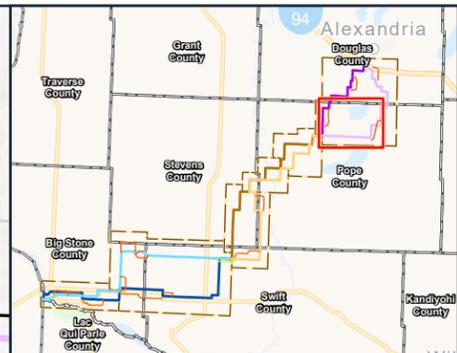
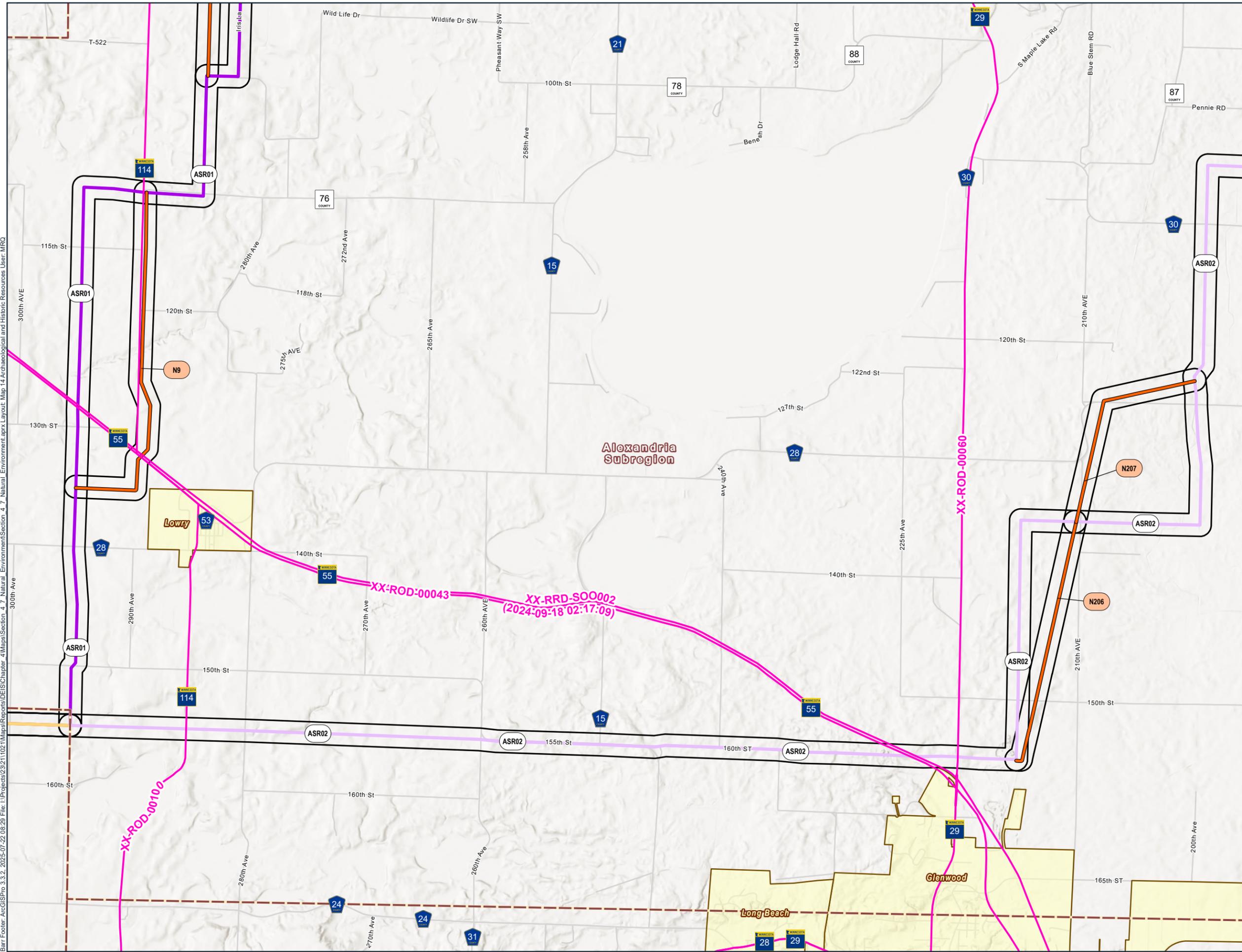
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- Routes Associated with Central 2
- Routes Associated with North 1
- Routes Associated with North 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Alignment Alternative
- CAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary
- Historic/Architectural Resource
- Historic/Architectural Resource (Linear Feature)
- Section Containing Archaeological Site**
- 1 Site



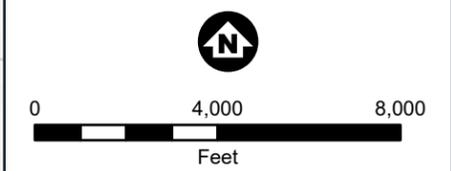
**Archaeological and Historic Resources**  
**Cyrus and White Bear Lake Subregions**  
 Big Stone South to Alexandria Project  
 MAP 19-7



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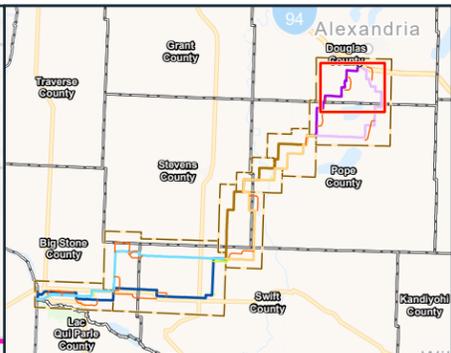
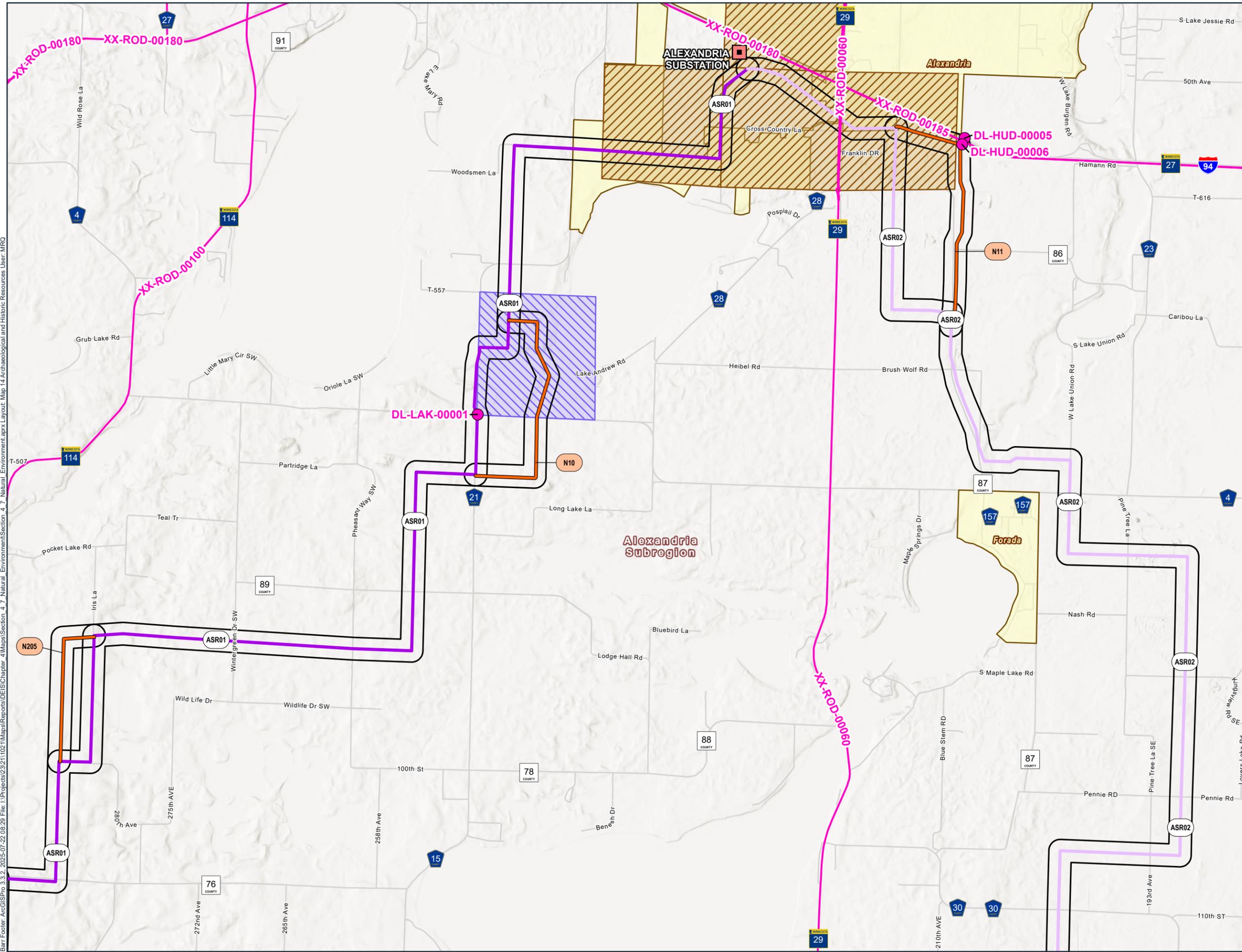
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- Routes Associated with Central 2
- Routes Associated with North 1
- Routes Associated with North 2
- SSR01 Route Label
- S204 Route Segment Label
- Route Width
- Assessment Subregion
- Municipal Boundary
- Historic/Architectural Resource (Linear Feature)



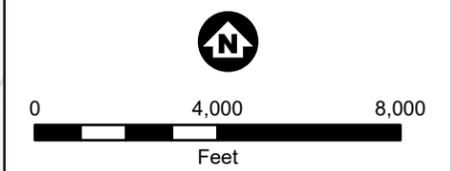
**Archaeological and Historic Resources**  
**White Bear Lake and Alexandria Subregions**  
 Big Stone South to Alexandria Project  
 MAP 19-8



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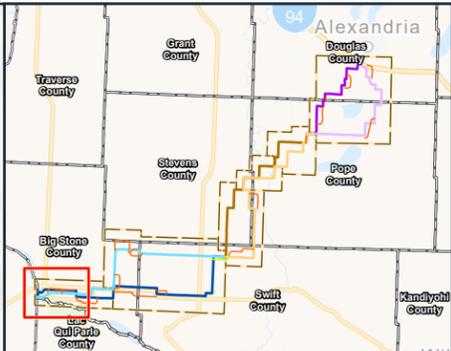
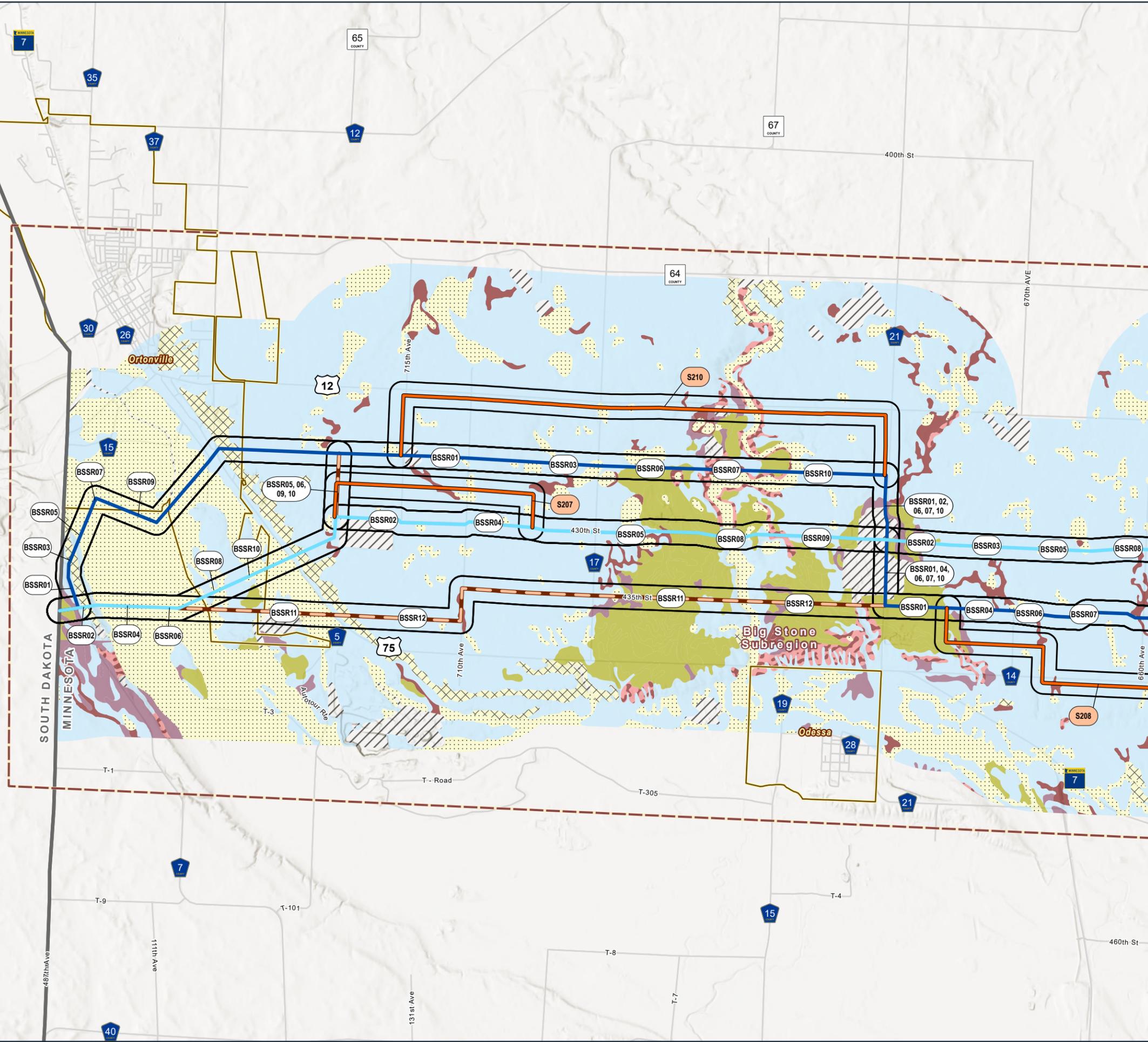
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  - Route Segment
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  - N10 Route Segment Label
  - Route Width
  - Assessment Subregion
  - Substation
  - Municipal Boundary
  - Historic/Architectural Resource
  - Historic/Architectural Resource (Linear Feature)
- Section Containing Archaeological Site**
- 1 Site
  - 4 Sites



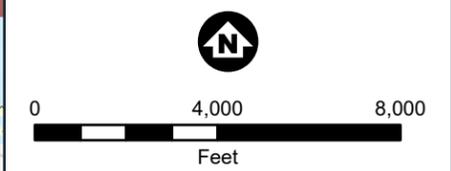
**Archaeological and Historic Resources**  
**Alexandria Subregion**  
 Big Stone South to Alexandria Project  
 MAP 19-9



Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:29 File: I:\Projects\23\211021\Maps\Reports\DEIS\Chapter 4.7 Natural Environment\aprx Layout Map 16 Surface Soil Texture User.MRX



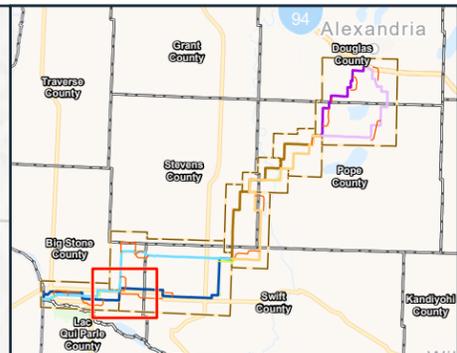
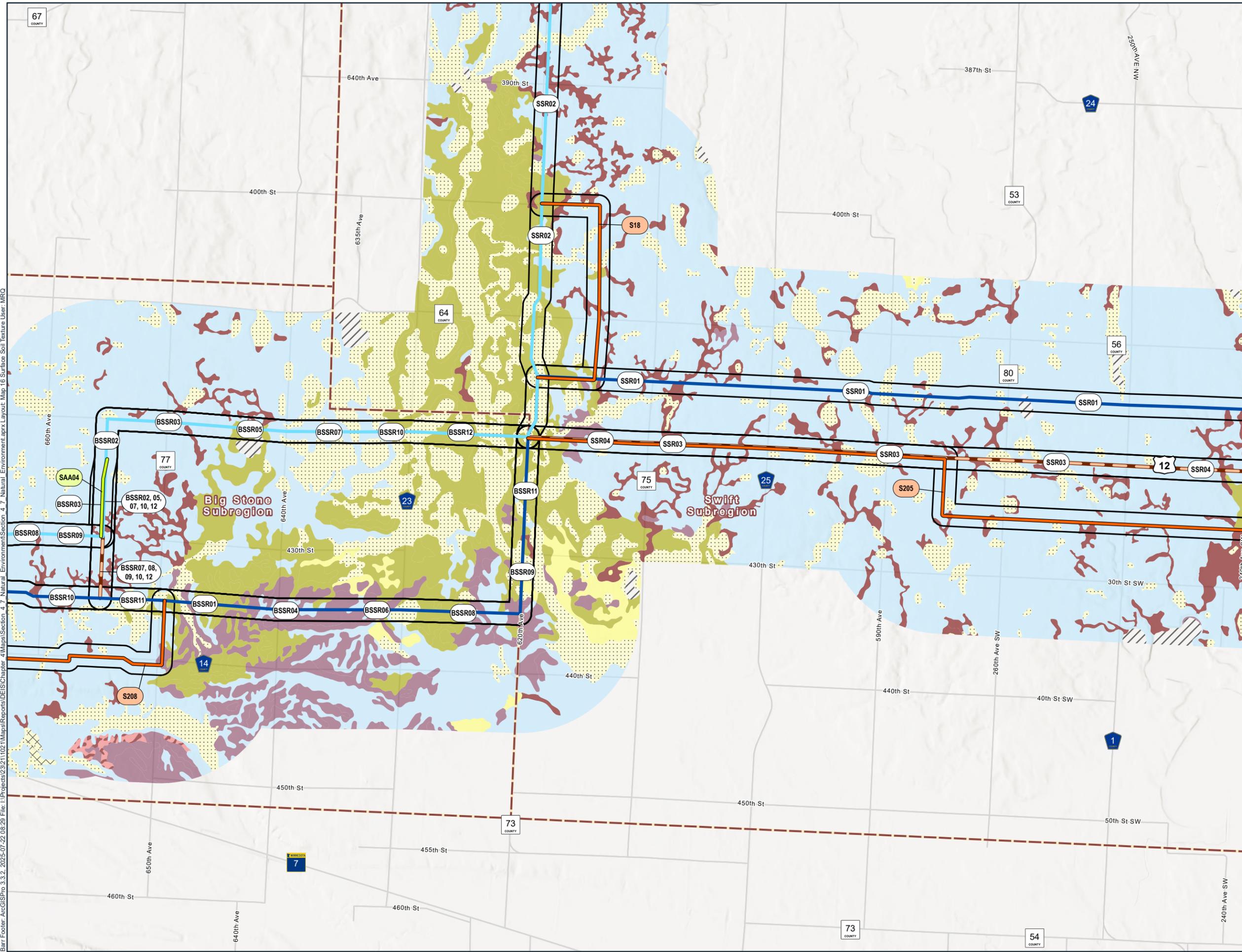
- Routes Associated with South 1
- Routes Associated with South 2
- BSSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary
- SSURGO Surface Soil Texture**
- Not rated
- Clay loam
- Gravelly sandy loam
- Loam
- Sandy loam
- Silt loam
- Silty clay loam
- Very stony loam



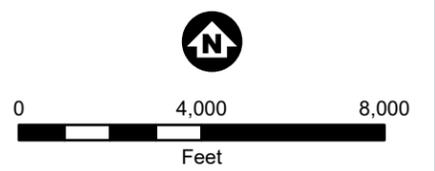
**Surface Soil Texture**  
**Big Stone Subregion**  
 Big Stone South to Alexandria  
 Project

MAP 20-1

Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:29 File: I:\Projects\2311021\Maps\Reports\DEIS\Chapter 4 Maps\Section 4.7 Natural Environment\aprx\Layout Map 16 Surface Soil Texture User.MRX



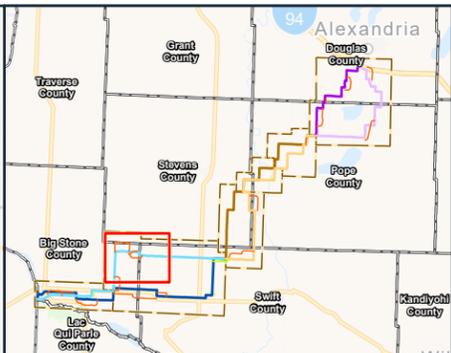
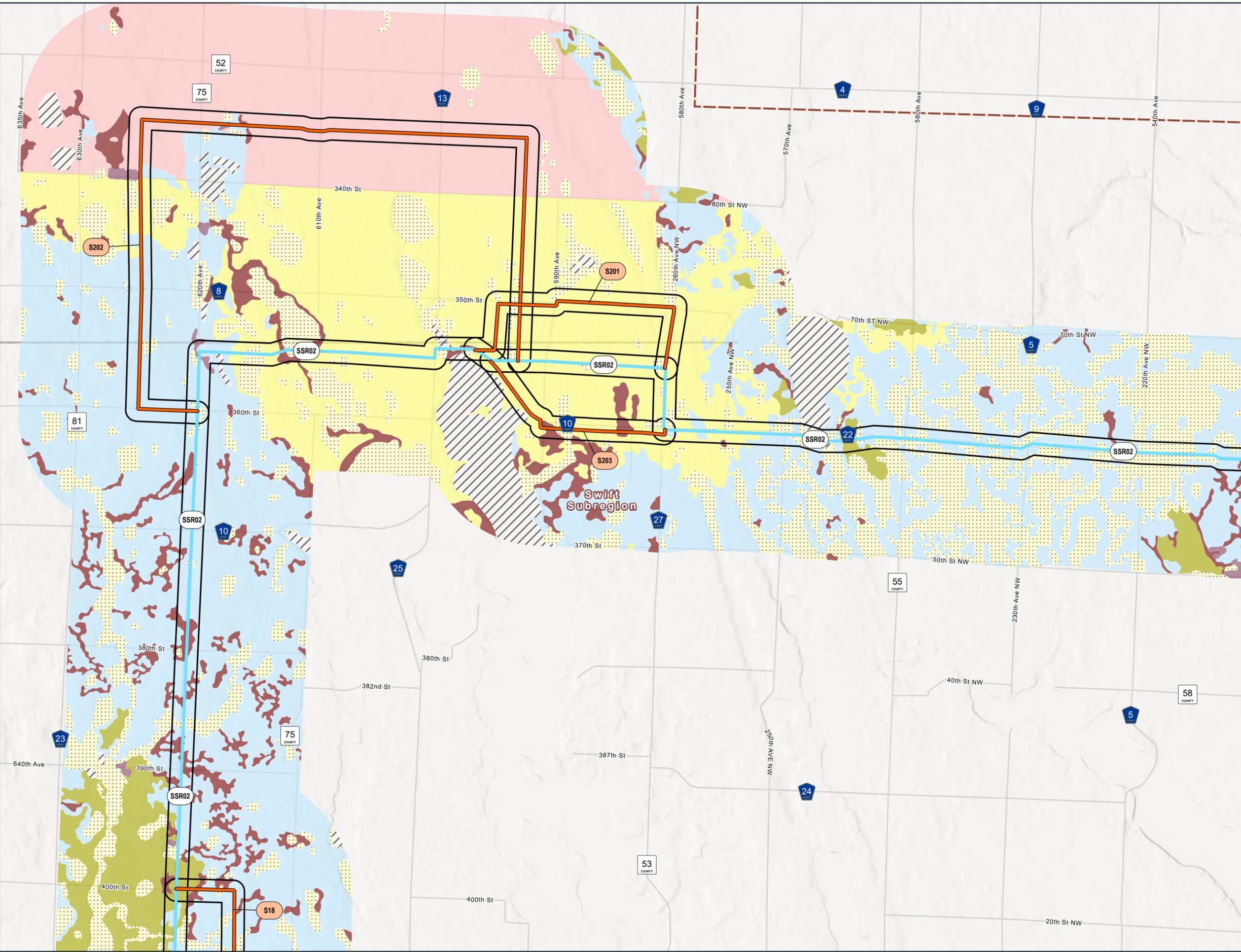
- Routes Associated with South 1
  - Routes Associated with South 2
  - SSR01 Route Label
  - Route Segment
  - S204 Route Segment Label
  - Alignment Alternative
  - SAA01 Alignment Alternative Label
  - Route Connector
  - Route Width
  - Assessment Subregion
- SSURGO Surface Soil Texture**
- Not rated
  - Clay loam
  - Gravelly sandy loam
  - Loam
  - Sandy loam
  - Silt loam
  - Silty clay
  - Silty clay loam
  - Very stony loam



**Surface Soil Texture**  
**Big Stone and Swift**  
**Subregions**  
 Big Stone South to Alexandria  
 Project  
 MAP 20-2



Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:28:29 File: I:\Projects\23\21102\1\Maps\Reports\DEIS\Chapter 4\Maps\Section 4.7 Natural Environment\aprx Layout: Map 16 Surface Soil Texture User: MRQ



— Routes Associated with South 2

○ SSR01 Route Label

— Route Segment

○ S204 Route Segment Label

▭ Route Width

▭ Assessment Subregion

**SSURGO Surface Soil Texture**

▨ Not rated

▨ Clay

▨ Clay loam

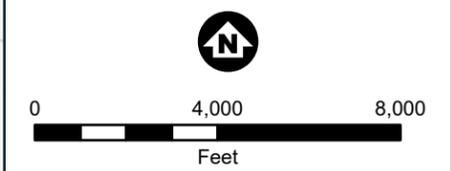
▨ Loam

▨ Sandy loam

▨ Silt loam

▨ Silty clay

▨ Silty clay loam

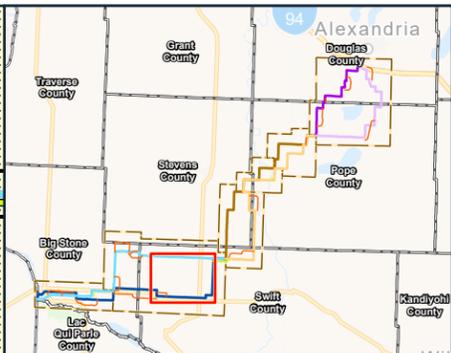
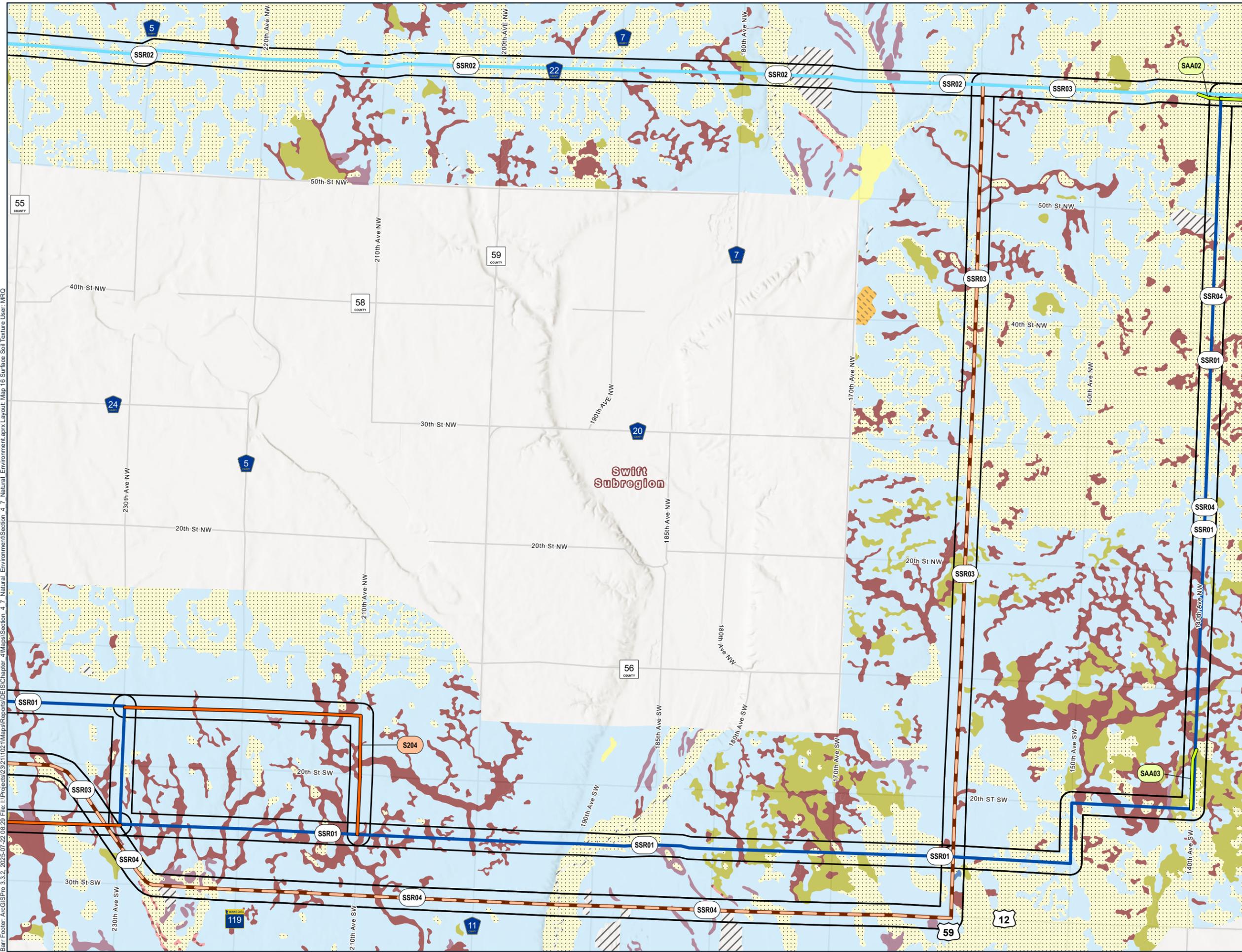


**Surface Soil Texture**  
**Swift Subregion**  
 Big Stone South to Alexandria  
 Project

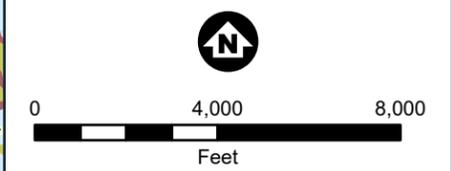
MAP 20-3

**m MINNESOTA**

Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:28 File: I:\Projects\2321102\1\Map\Reports\DEIS\Chapter 4 Maps\Section 4.7 Natural Environment\aprx Layout Map 16 Surface Soil Texture User-MRQ



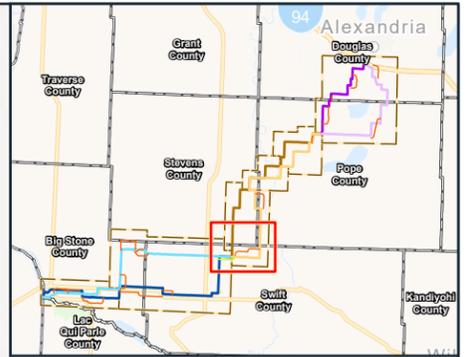
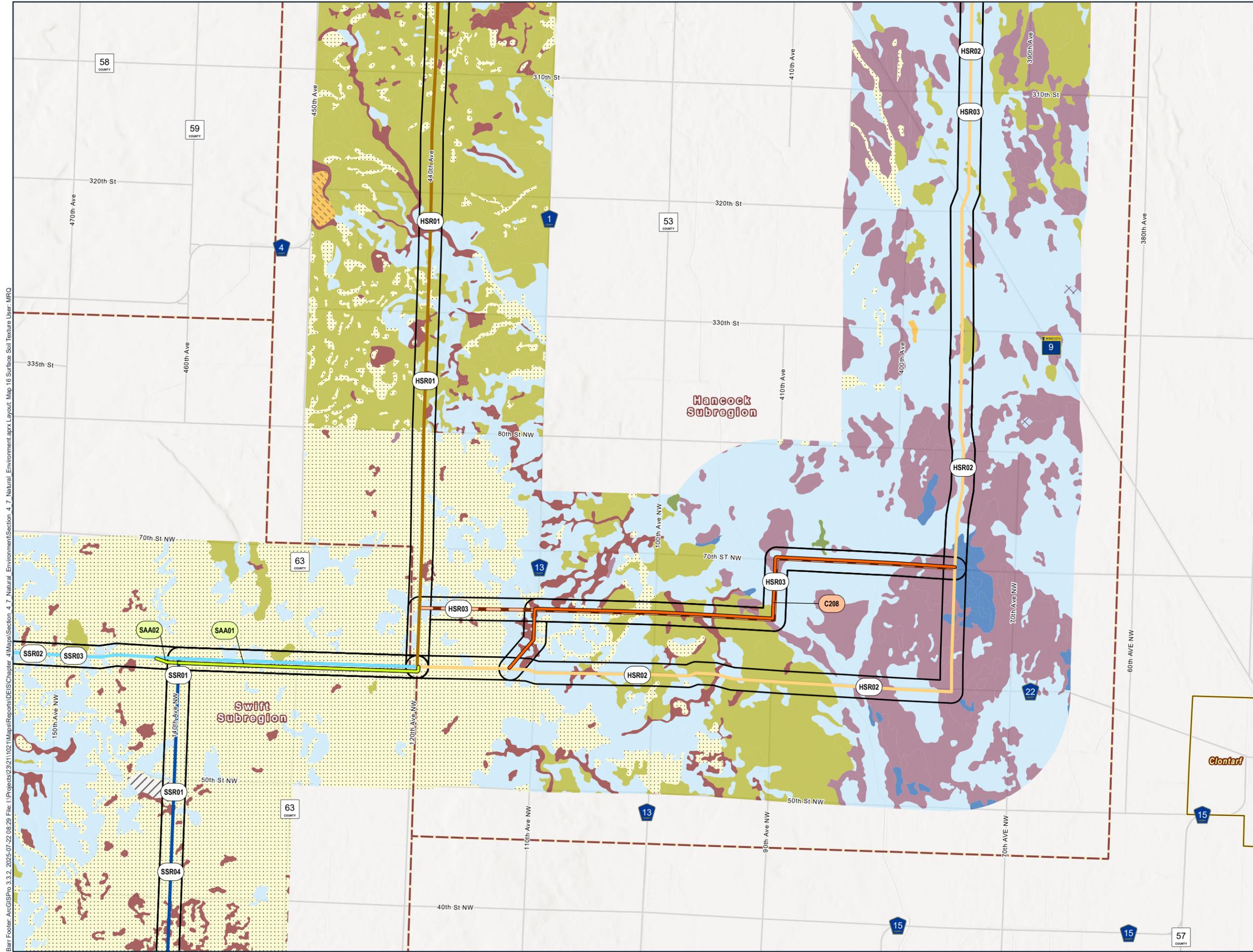
- Routes Associated with South 1
- Routes Associated with South 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Alignment Alternative
- SAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- SSURGO Surface Soil Texture**
- Not rated
- Clay loam
- Gravelly sandy loam
- Loam
- Loamy fine sand
- Mucky silt loam
- Sandy loam
- Silt loam
- Silty clay
- Silty clay loam



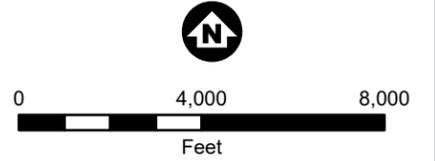
Surface Soil Texture  
Swift Subregion  
Big Stone South to Alexandria  
Project  
MAP 20-4



Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:29 File: I:\Projects\23\21102\1\Map\Reports\DEIS\Chapter 4.7\Map\Section 4.7 Natural Environment.aprx Layout: Map 16 Surface Soil Texture User: MRQ



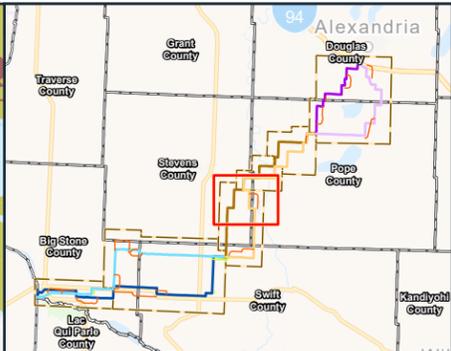
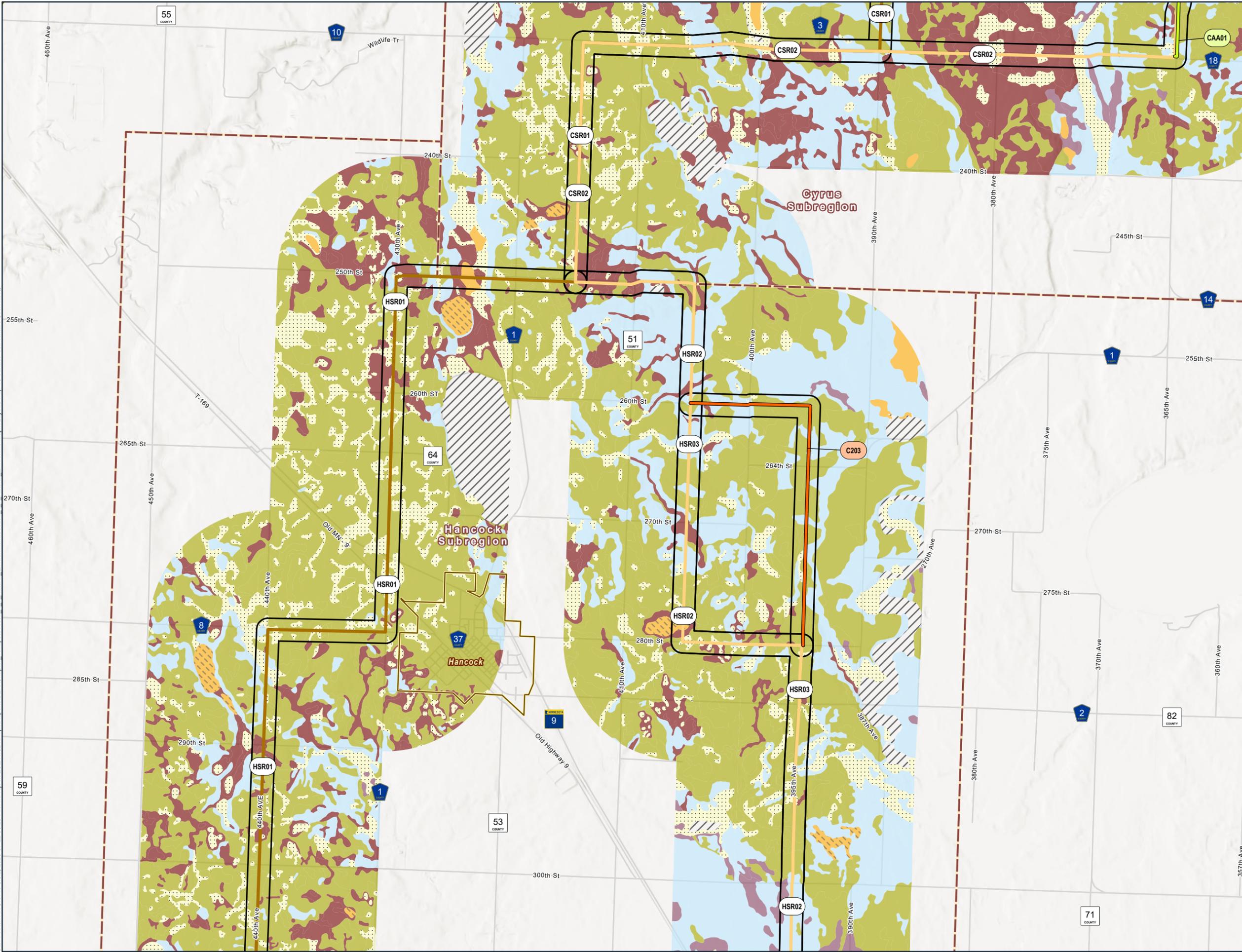
- Routes Associated with South 1
  - Routes Associated with South 2
  - Routes Associated with Central 1
  - Routes Associated with Central 2
  - SSR01 Route Label
  - Route Segment
  - S204 Route Segment Label
  - SAA01 Alignment Alternative Label
  - Route Connector
  - Route Width
  - Assessment Subregion
  - Municipal Boundary
- SSURGO Surface Soil Texture**
- Not rated
  - Clay loam
  - Loam
  - Loamy fine sand
  - Loamy sand
  - Muck
  - Mucky silt loam
  - Mucky silty clay loam
  - Sandy loam
  - Silt loam
  - Silty clay loam



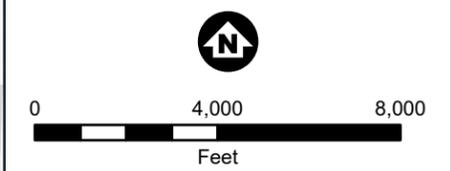
**Surface Soil Texture**  
Swift and Hancock Subregions  
Big Stone South to Alexandria  
Project

MAP 20-5

Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:28:29 File: I:\Projects\23\21102\1\Maps\Reports\DEIS\Chapter 4 Maps\Section 4.7 Natural Environment\aprx Layout Map 16 Surface Soil Texture User.MRX

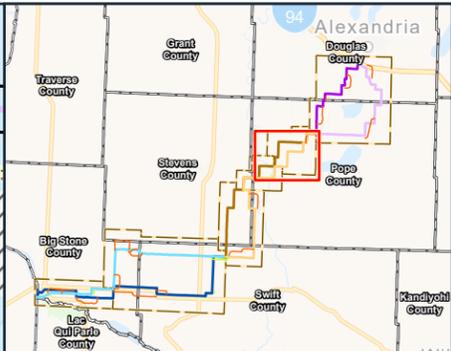
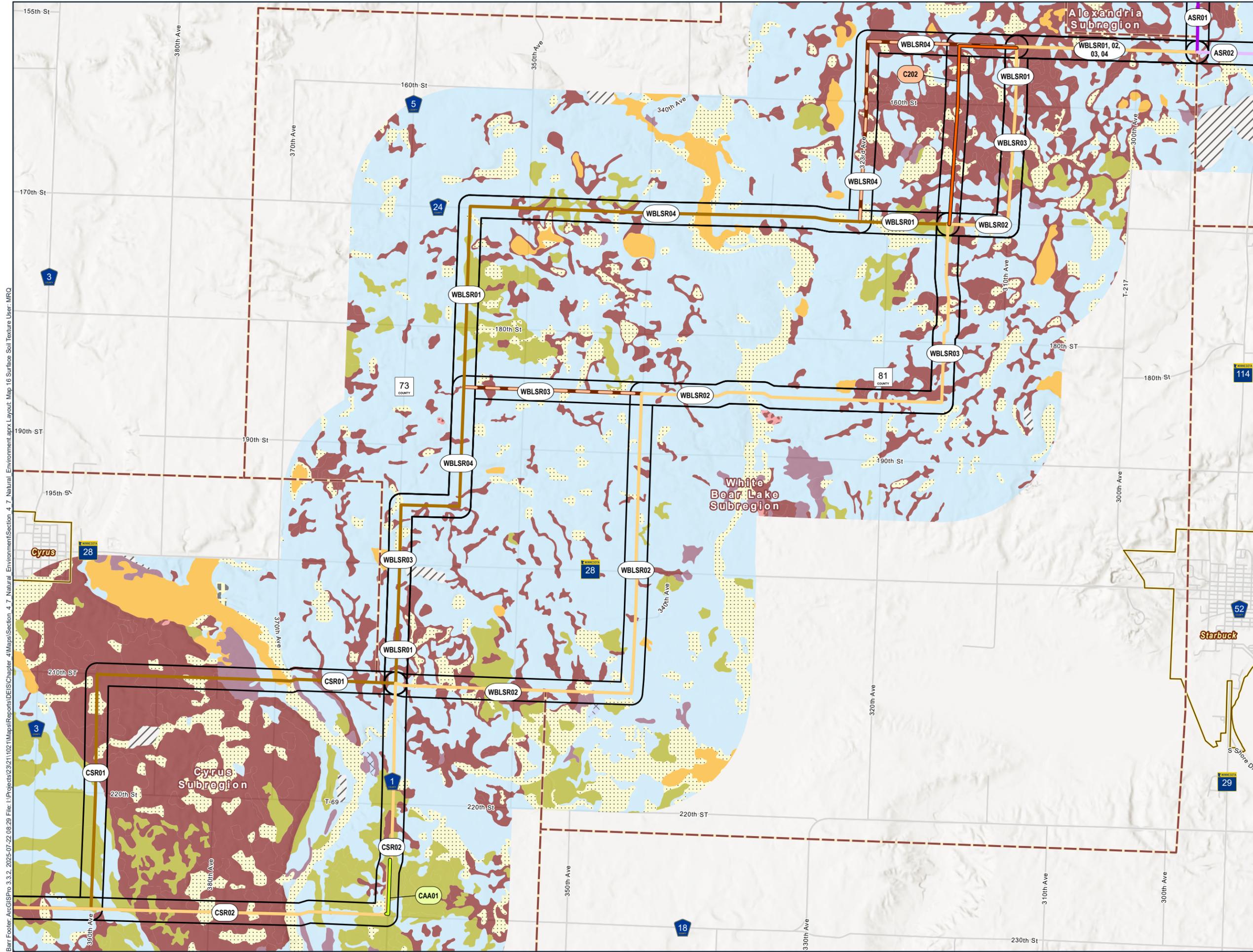


- Routes Associated with Central 1
  - Routes Associated with Central 2
  - Route Label
  - Route Segment
  - Route Segment Label
  - Alignment Alternative
  - Alignment Alternative Label
  - Route Width
  - Assessment Subregion
  - Municipal Boundary
- SSURGO Surface Soil Texture**
- Not rated
  - Clay loam
  - Loam
  - Muck
  - Mucky silt loam
  - Sandy loam
  - Silt loam
  - Silty clay loam



**Surface Soil Texture  
Hancock and Cyrus  
Subregions**  
Big Stone South to Alexandria  
Project  
MAP 20-6





- Routes Associated with Central 1
- Routes Associated with Central 2
- Routes Associated with North 1
- Routes Associated with North 2
- SSR01 Route Label
- Route Segment
- S204 Route Segment Label
- Alignment Alternative
- SAA01 Alignment Alternative Label
- Route Connector
- Route Width
- Assessment Subregion
- Municipal Boundary

**SSURGO Surface Soil Texture**

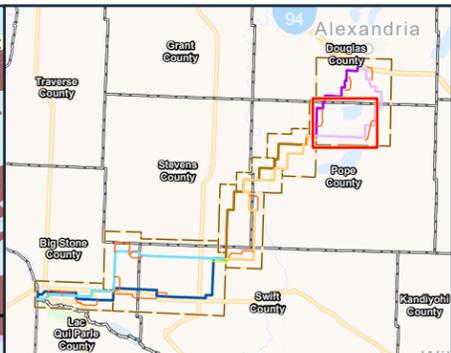
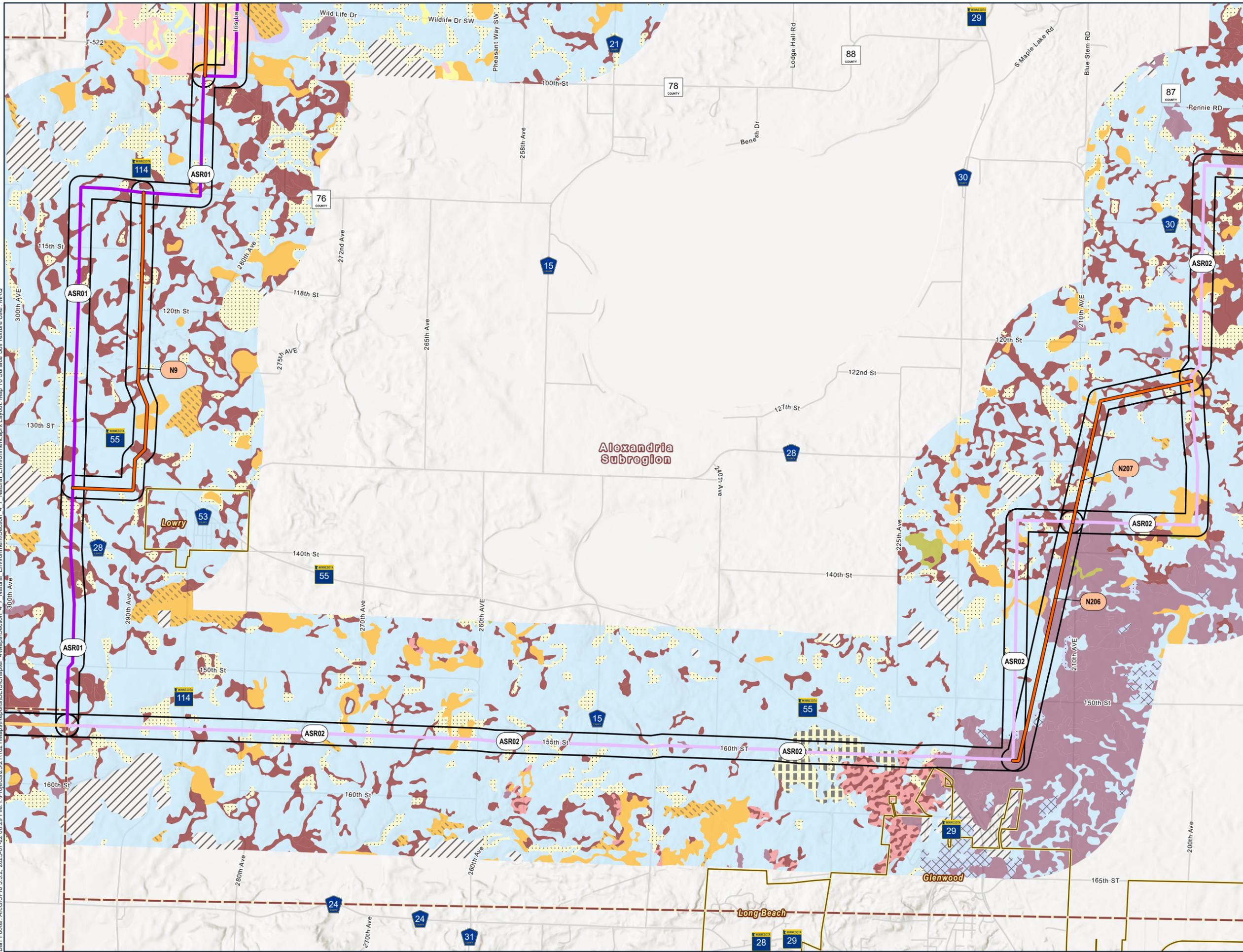
- Not rated
- Clay loam
- Gravelly sandy loam
- Loam
- Loamy sand
- Muck
- Sandy loam
- Silt loam
- Silty clay loam
- Stony loam

0 4,000 8,000  
Feet

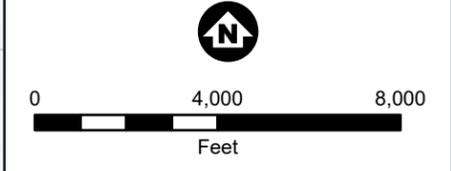
**Surface Soil Texture**  
Cyrus and White Bear Lake  
Subregions  
Big Stone South to Alexandria  
Project  
MAP 20-7

Barr Footer ArcGIS Pro 3.3.2, 2025-07-22 08:29 File: I:\Projects\23\21102\1\Maps\Reports\DEIS\Chapter 4\Maps\Section 4.7 Natural Environment.aprx Layout: Map 16 Surface Soil Texture User: MRQ

Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:28:29 File: I:\Projects\23\21102\1\Map\Reports\DEIS\Chapter 4\Maps\Section 4.7 Natural Environment\aprx Layout Map 16 Surface Soil Texture User.MXD



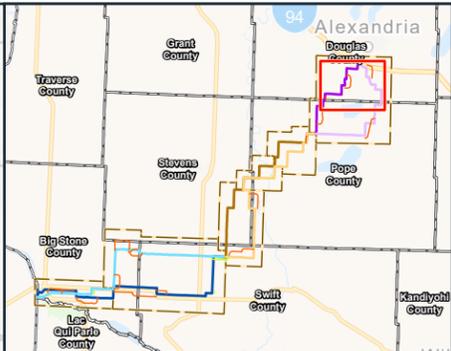
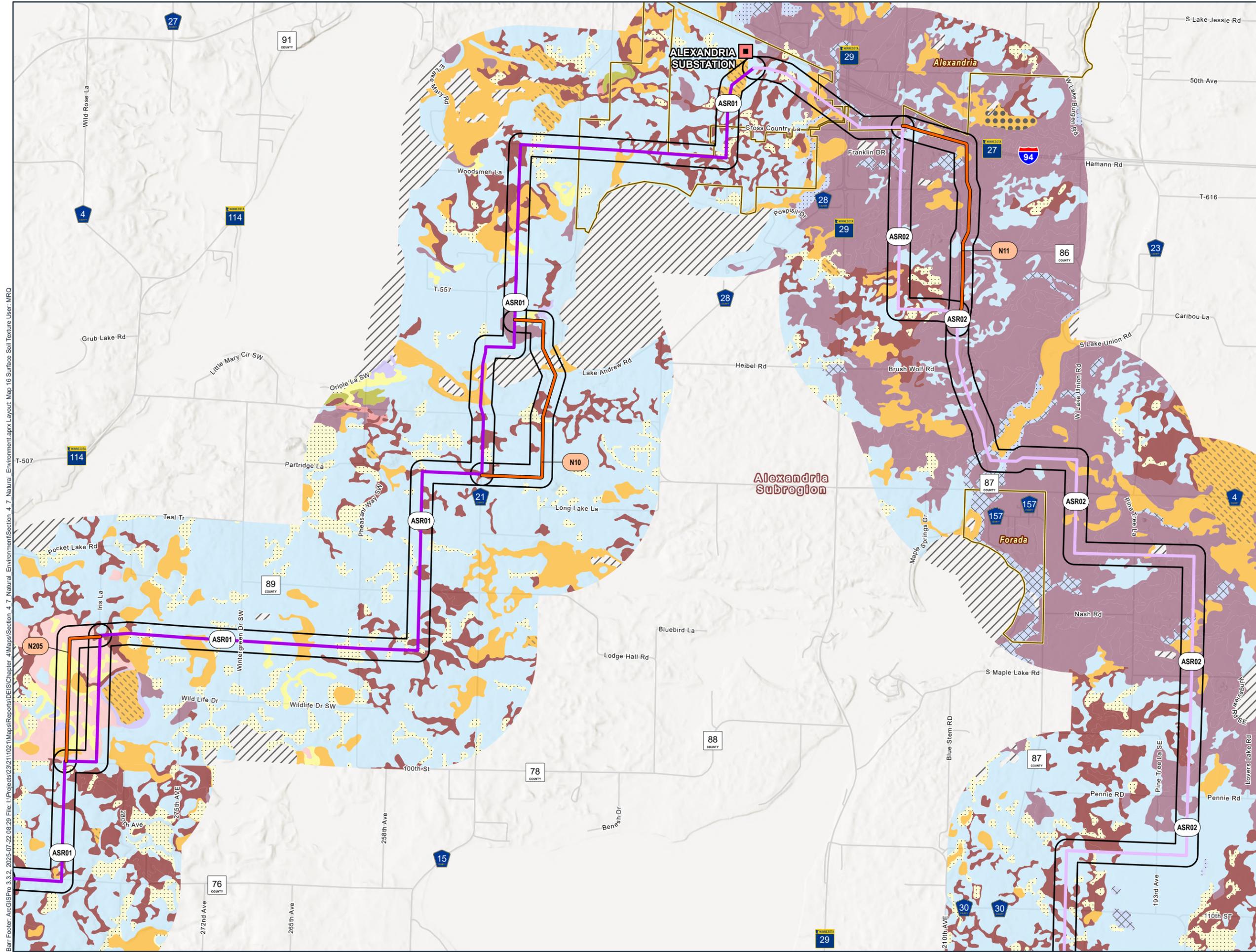
- Routes Associated with Central 1
  - Routes Associated with Central 2
  - Routes Associated with North 1
  - Routes Associated with North 2
  - SSR01 Route Label
  - S204 Route Segment Label
  - Route Width
  - Assessment Subregion
  - Municipal Boundary
- SSURGO Surface Soil Texture**
- Not rated
  - Clay
  - Clay loam
  - Gravelly sandy loam
  - Loam
  - Loamy coarse sand
  - Loamy sand
  - Muck
  - Mucky silt loam
  - Mucky silty clay
  - Sandy loam
  - Silt loam
  - Silty clay
  - Silty clay loam
  - Stony loam



**Surface Soil Texture**  
**White Bear Lake and**  
**Alexandria Subregions**  
 Big Stone South to Alexandria  
 Project  
 MAP 20-8



Barr Footer ArcGISPro 3.3.2, 2025-07-22 08:28:29 File: I:\Projects\23\21102\1\Maps\Report\DEIS\Chapter 4\Maps\Section 4.7 Natural Environment.aprx Layout: Map 16 Surface Soil Texture User: MRQ



- Routes Associated with North 1
- Routes Associated with North 2
- ASR01 Route Label
- Route Segment
- S204 Route Segment Label
- Route Width
- Assessment Subregion
- Substation
- Municipal Boundary

**SSURGO Surface Soil Texture**

- Not rated
- Clay
- Clay loam
- Gravelly sandy loam
- Loam
- Loamy coarse sand
- Loamy sand
- Muck
- Mucky peat
- Mucky silt loam
- Mucky silty clay
- Sandy loam
- Silt loam
- Silty clay
- Silty clay loam



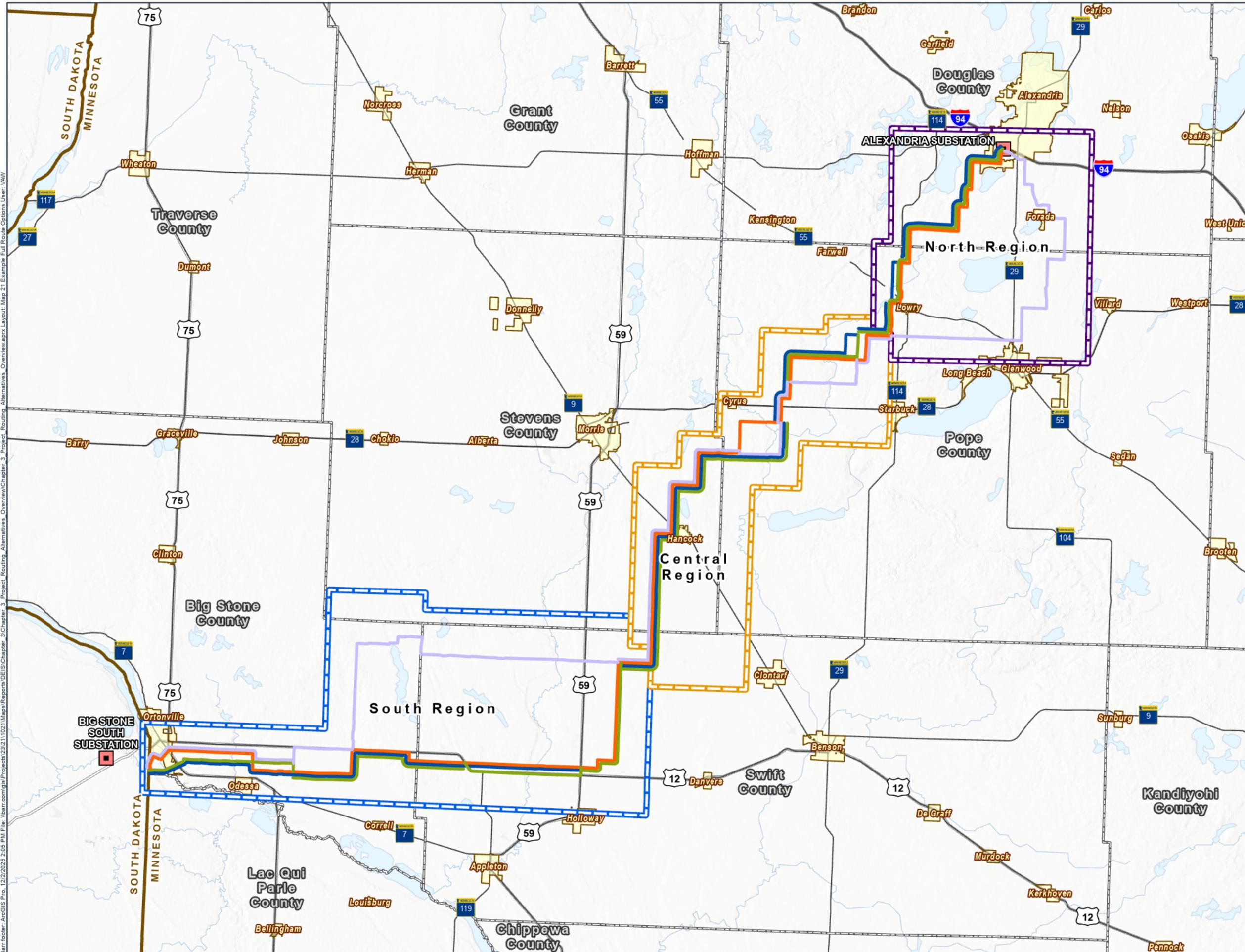
0 4,000 8,000  
Feet

**Surface Soil Texture**  
**Alexandria Subregion**  
Big Stone South to Alexandria Project

MAP 20-9

 MINNESOTA

Barr footer: ArcGIS Pro, 12/2/2026 2:05 PM File: \\barr.com\gis\Projects\25211021\Maps\Reports\DEIS\Chapter\_3\Project\_Routing\_Alternatives\_Overview\Chapter\_3\_Project\_Routing\_Alternatives\_Overview.aprx Layout: Map 21 Example Full Route Options User: VAW



- Example A
- Example B
- Example C
- Example D
- Substation
- Major Highway
- Municipal Boundary
- State Boundary
- County Boundary
- Assessment Regions**
- South Region
- Central Region
- North Region

Note:  
Route segments on this map may be offset from their actual alignments so that multiple segments can be displayed at the same time.



### Example Full Route Options Big Stone South to Alexandria Project

MAP 21

