

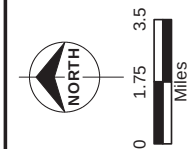
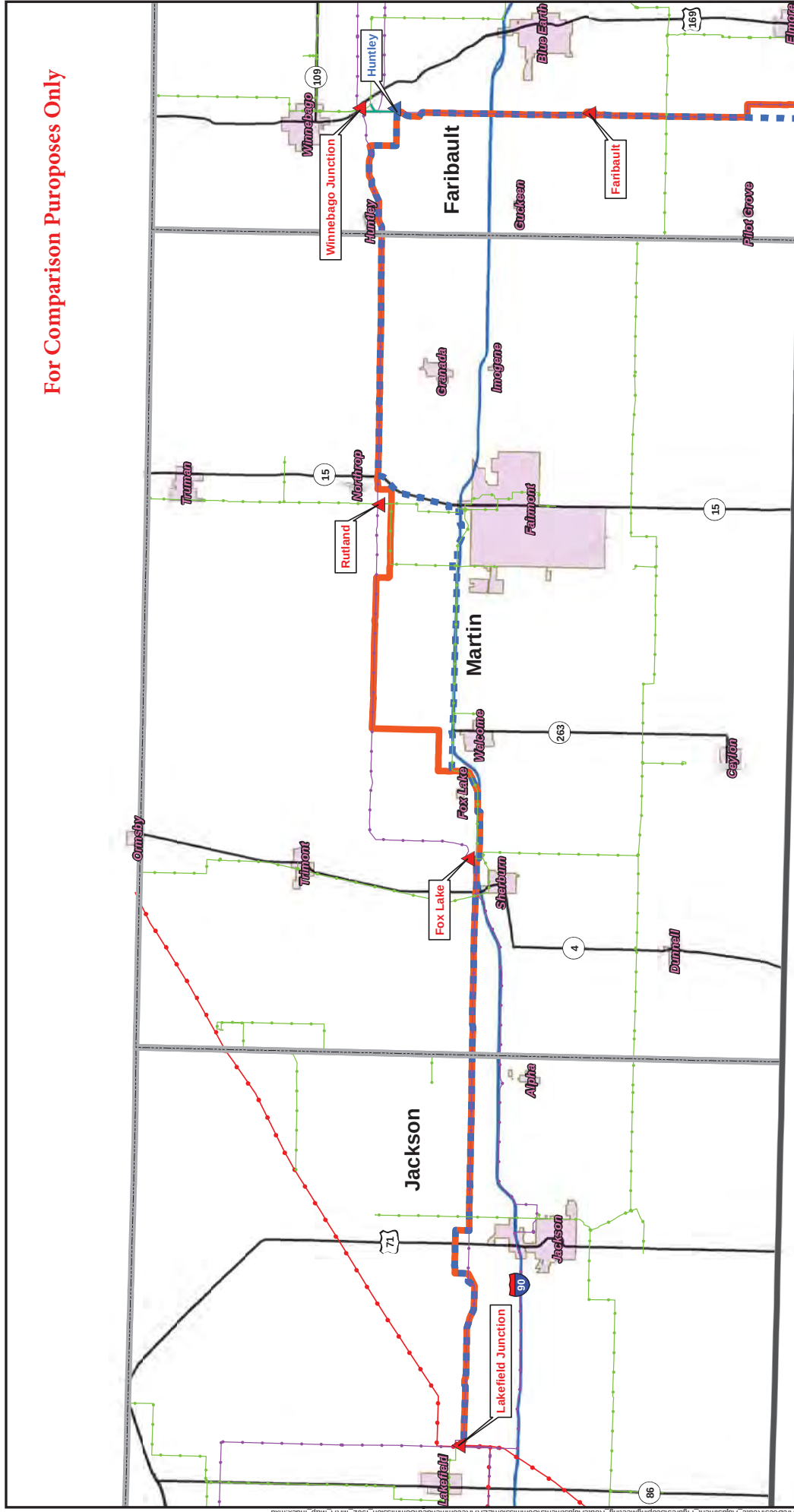
Docket No. ET-6675/CN-12-1053 and ET-6675/TL-12-1337

Attachment 5

**Comparison Maps of Modified Route A and Route
Alternative I90-2**

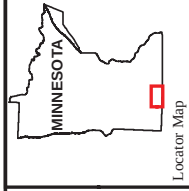
(For Comparison Purposes Only)

For Comparison Purposes Only



- Existing Substation
- EERA Recommended Route
- Modified Route A
- Proposed Substation
- Associated Facilities
- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines

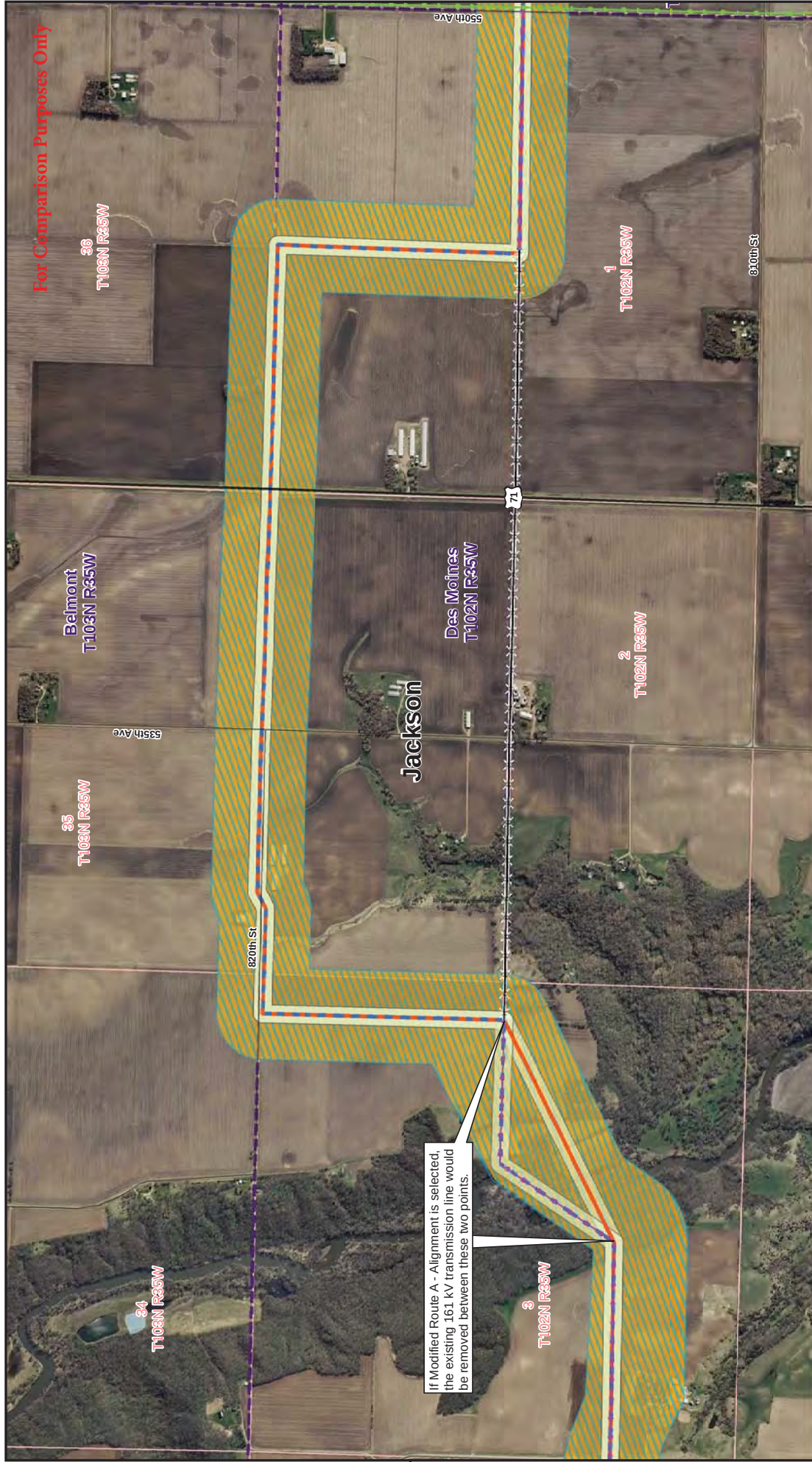
- County Boundary
- State Boundary
- City



ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison
Overview Map

Source: MN Geo 2011 Aerials; National Hydrography Dataset; Minnesota DNR; Minnesota Geo GIS; Minnesota DOT; ITC; Burns & McDonnell.

October 08, 2014



For Comparison Purposes Only

Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A

EERA Recommended

- Alignment
- Route
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- Township Sections
- County Boundary
- State Boundary

City

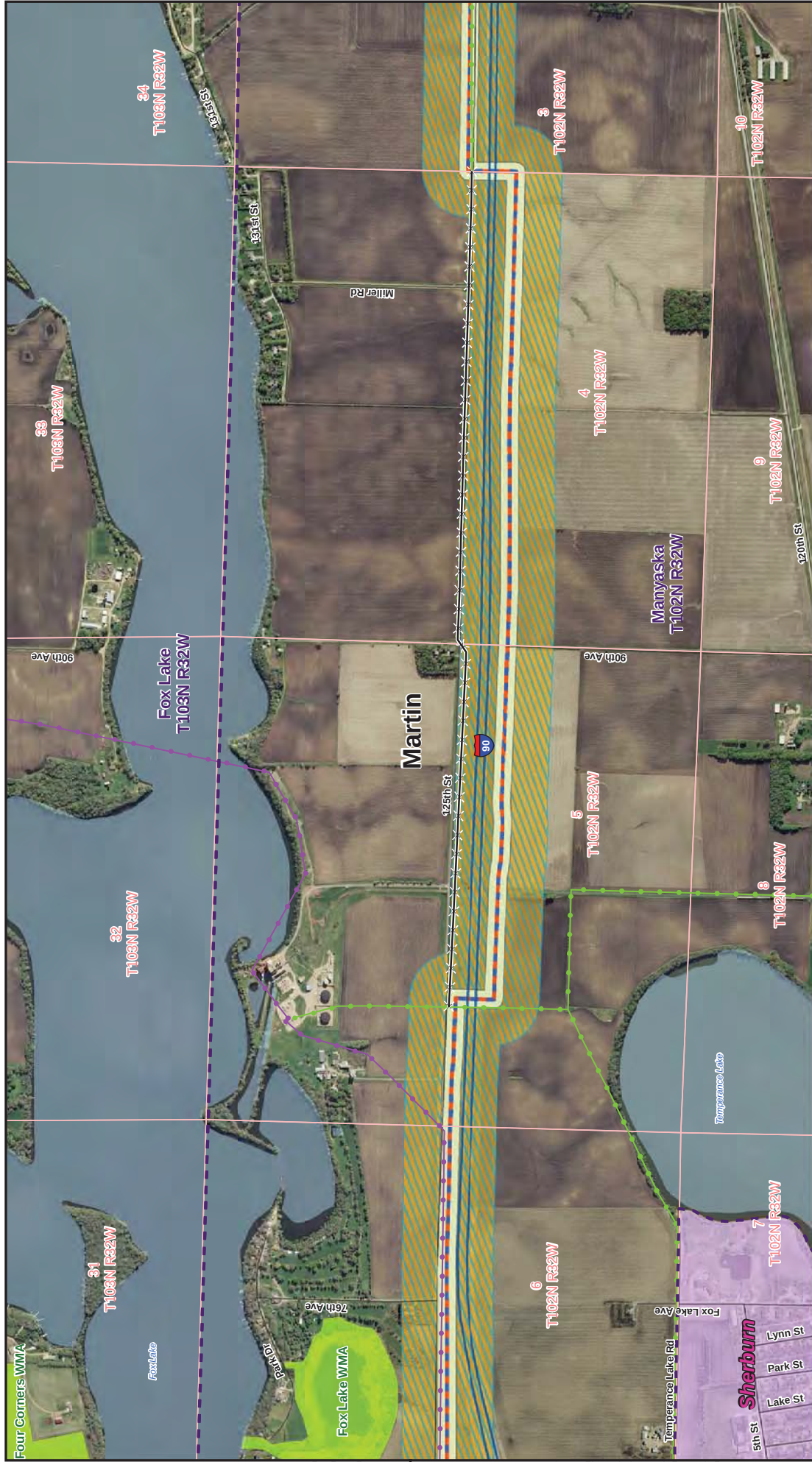
- WMA
- WPA
- WRP

Jackson County

Locator Map

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Jackson County

If Modified Route A - Alignment is selected, the existing 161 kV transmission line would be removed between these two points.



Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A

EERA Recommended

- Alignment
- EERA Recommended Route
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

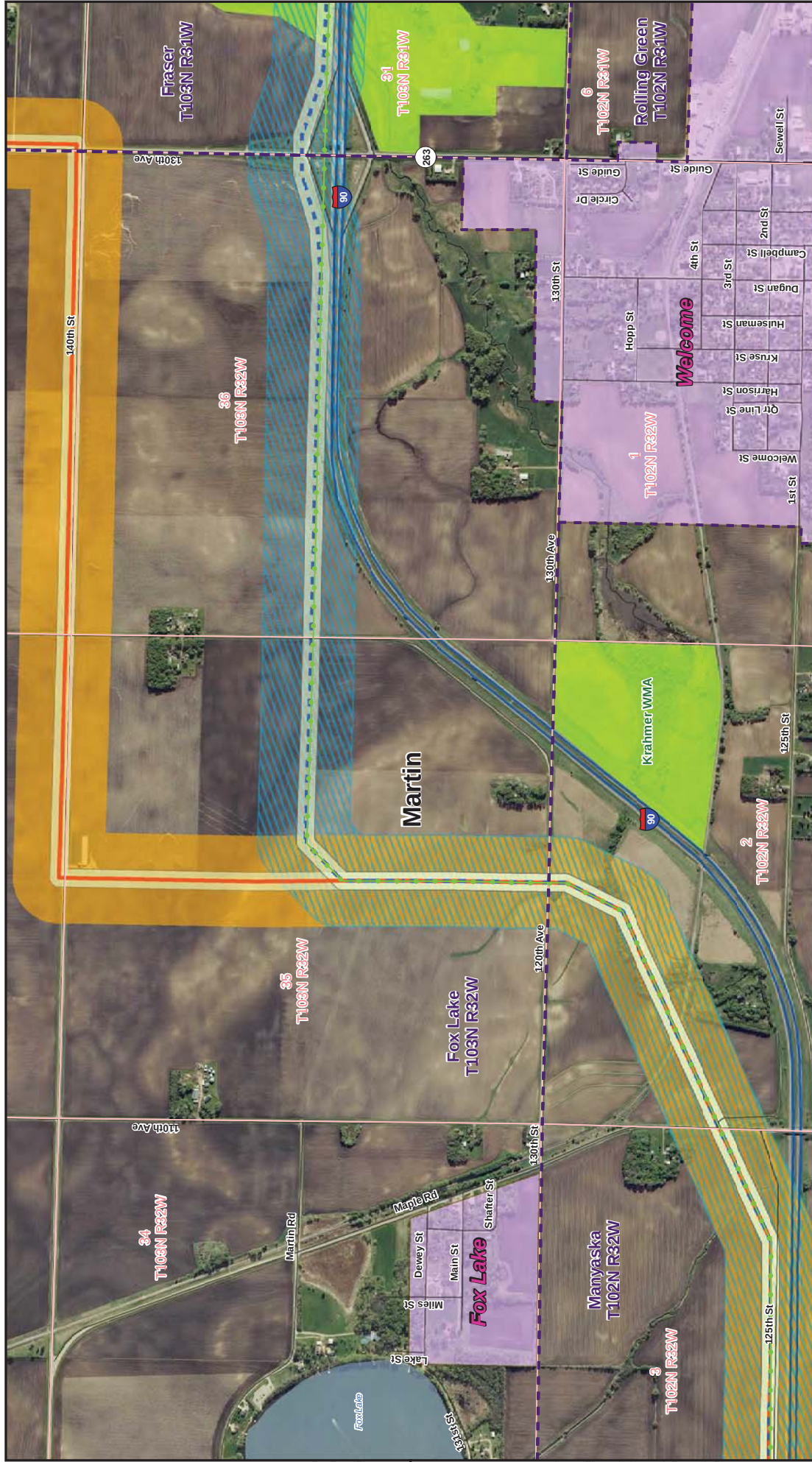
- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Map Index

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 1 of 12



Legend

- Proposed Substation/Expansion
- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A

EERA Recommended

- Alignment
- EERA Recommended Route
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- City
- Township Sections
- County Boundary
- State Boundary

Map Index

- City
- WMA
- WPA
- WRP

Map Index

Martin County

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 2 of 12



Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A

EERA Recommended

- Alignment
- EERA Recommended Route
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Map Index

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 3 of 12

October 08, 2014



Legend

	Proposed Substation/Expansion		EERA Recommended Alignment		Civil Township		City
	Existing Substation Area		EERA Recommended Route		Township Sections		WMA
	Substation to be Removed		Project ROW		County Boundary		WPA
	Modified Route A - Alignment				State Boundary		WRP
	Modified Route A						

Map Index

Martin County

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 4 of 12



Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A

EERA Recommended

- Alignment
- Route
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Map Index

Martin County

Fairmont

Legend

- Proposed Substation/Expansion
- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A
- EERA Recommended
- Alignment
- Route
- Project ROW
- Associated Facilities
- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed
- Civil Township
- Township Sections
- County Boundary
- State Boundary
- City
- WMA
- WPA
- WRP

Map Index

Martin County

Fairmont



Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A

EERA Recommended

- Alignment
- Route
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Map Index

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 6 of 12



Legend

	Proposed Substation/Expansion		EERA Recommended Alignment		Associated Facilities		Civil Township		City
	Existing Substation Area		EERA Recommended Route		Existing 69 kV Lines		Township Sections		WMA
	Substation to be Removed		Project ROW		Existing 161 kV Lines		County Boundary		WPA
	Modified Route A - Alignment				Existing 345 kV Lines		State Boundary		WRP
	Modified Route A				Line to be Removed				

Map Index

Martin County

0 500 1,000 Feet

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 7 of 12



Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A-Alignment
- Modified Route A

EERA Recommended

- Route
- Alignment
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Map Index

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 8 of 12



Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A- Alignment
- Modified Route A

EERA Recommended

- Route
- Alignment
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Map Index

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 9 of 12



Legend

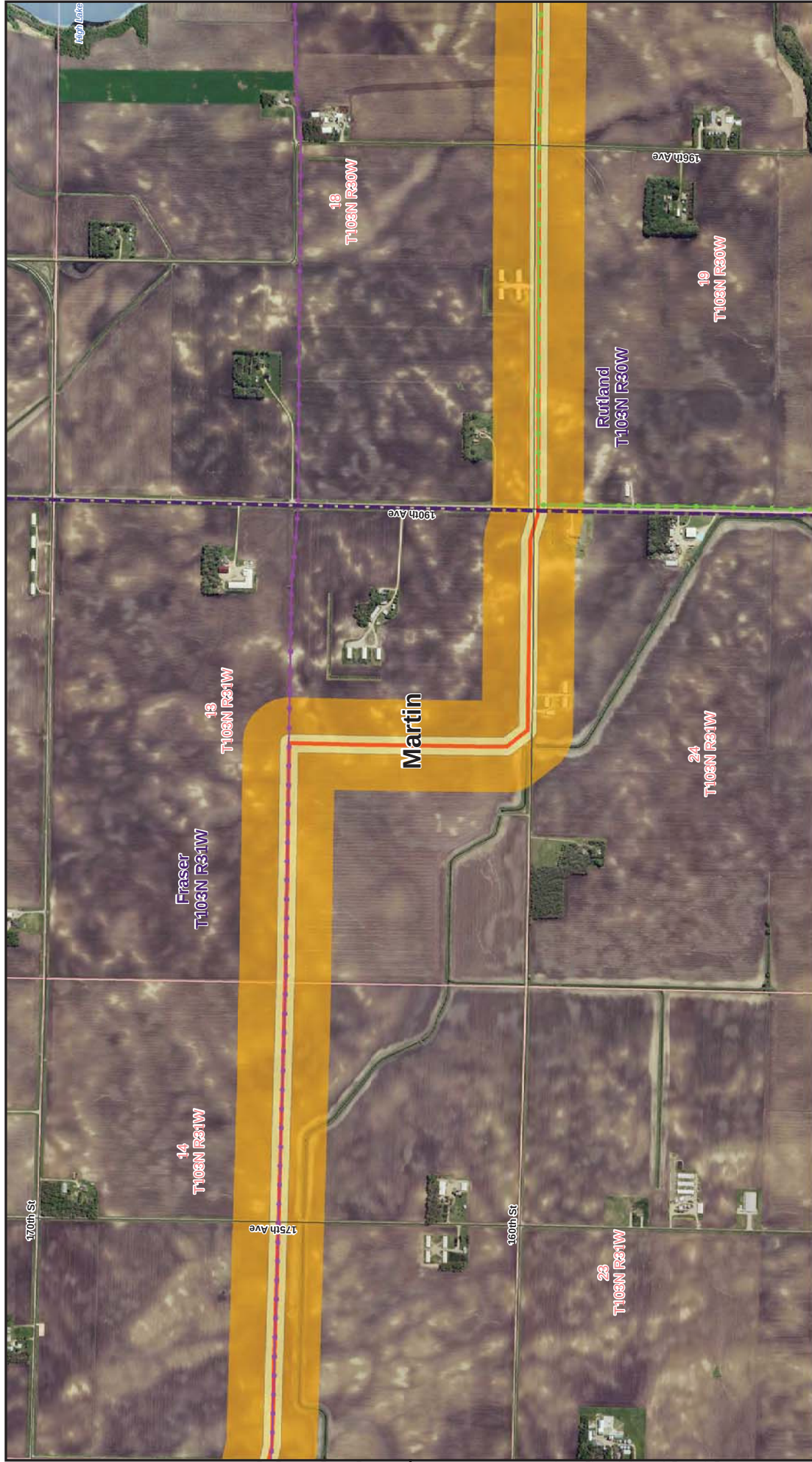
	Proposed Substation/Expansion		EERA Recommended Route		Civil Township		City
	Existing Substation Area		EERA Recommended Alignment		Township Sections		WMA
	Substation to be Removed		Project ROW		County Boundary		WPA
	Modified Route A- Alignment				State Boundary		WRP
	Modified Route A				Line to be Removed		

Map Index

Martin County

0 500 1,000 Feet

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 10 of 12



Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A- Alignment
- Modified Route A

EERA Recommended

- Route
- Alignment
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

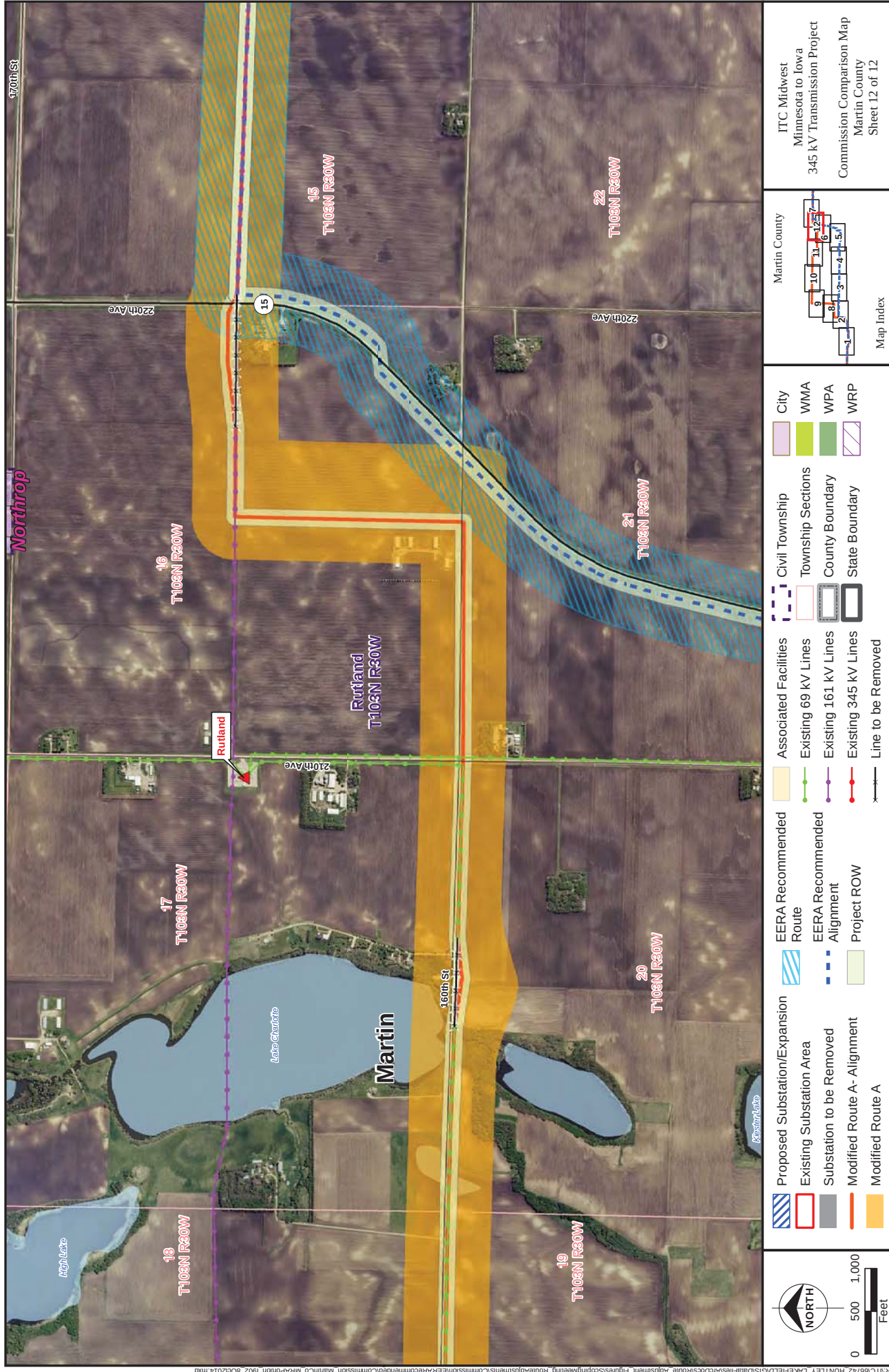
- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Map Index

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Martin County
Sheet 11 of 12





Proposed Substation/Expansion

- Existing Substation Area
- Substation to be Removed
- Modified Route A - Alignment
- Modified Route A

EERA Recommended

- Alignment
- Route
- Project ROW

Associated Facilities

- Existing 69 kV Lines
- Existing 161 kV Lines
- Existing 345 kV Lines
- Line to be Removed

Civil Township

- Township Sections
- County Boundary
- State Boundary

City

- WMA
- WPA
- WRP

Faribault County

Locator Map

ITC Midwest
Minnesota to Iowa
345 kV Transmission Project
Commission Comparison Map
Faribault County

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