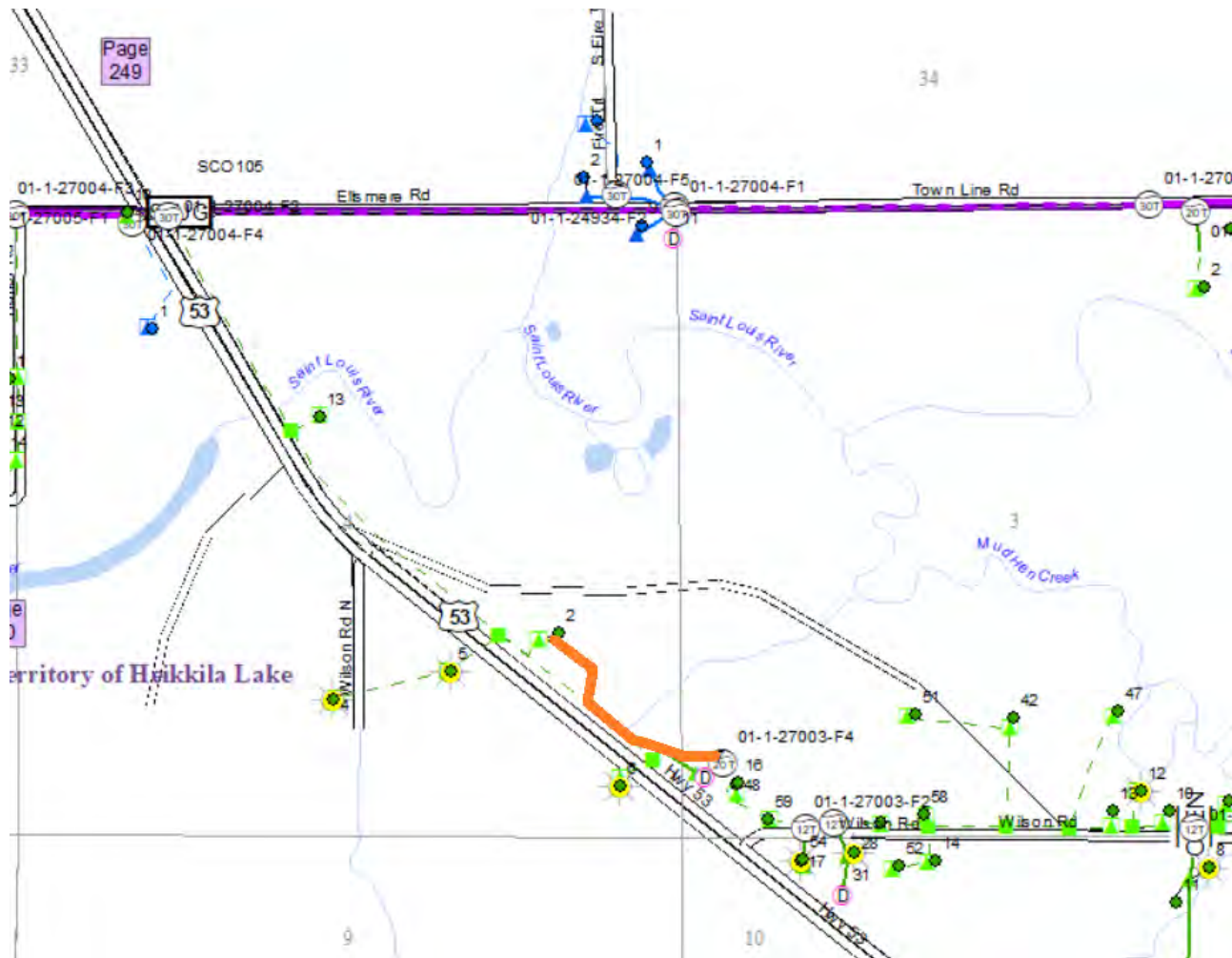


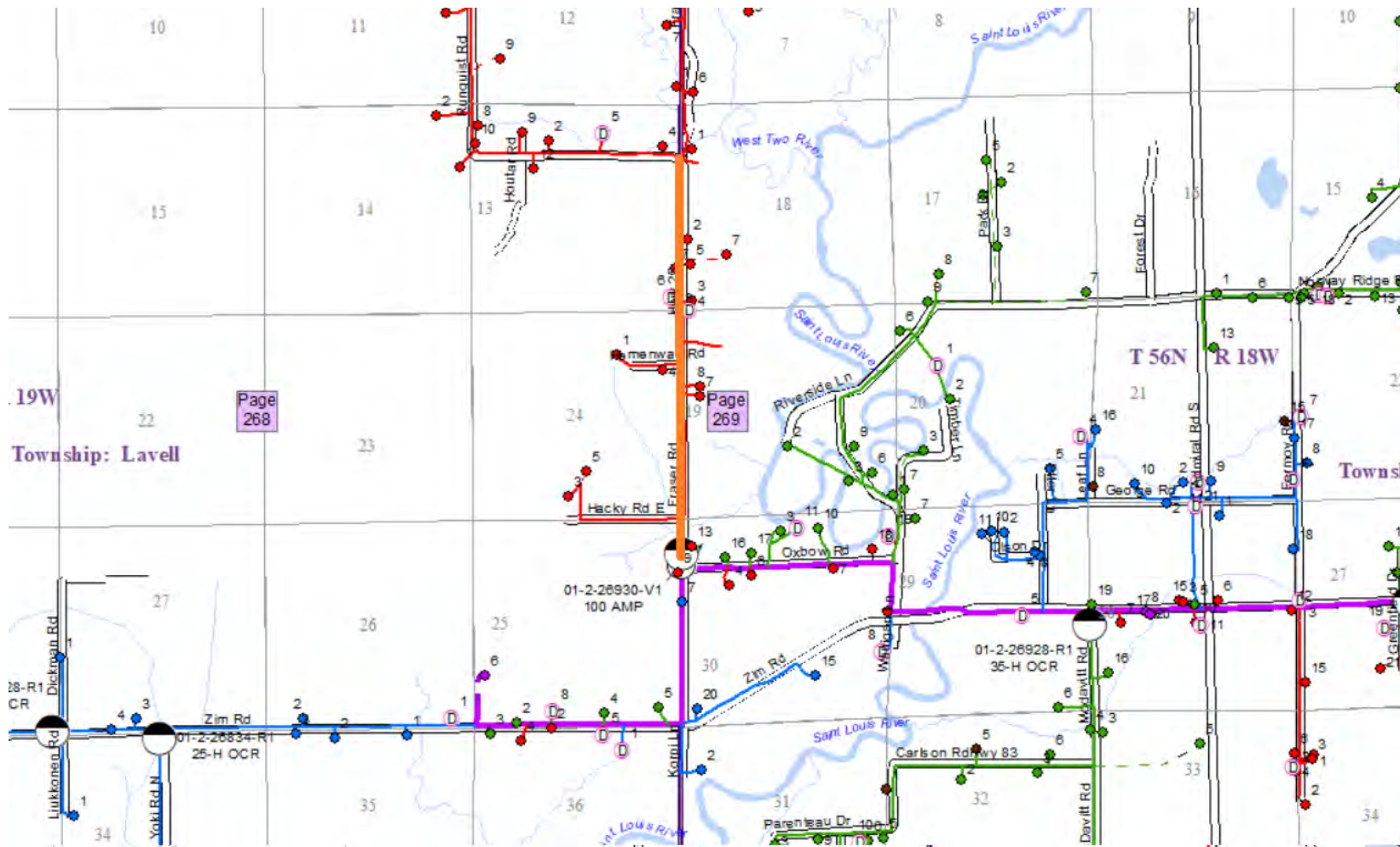
| Sub/Ckt    | Const Type                    | Map Start | Map End   | Length (mi) | Reason Codes |
|------------|-------------------------------|-----------|-----------|-------------|--------------|
| 01-Peary/1 | Rebuild 1Ø 6A OH to 1Ø 1/0 UG | 270000402 | 270020316 | 0.4         | 3,5          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt    | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|------------|------------------------------------|-----------|-----------|-------------|--------------|
| 01-Peary/2 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 268002509 | 269001801 | 2.0         | 3            |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

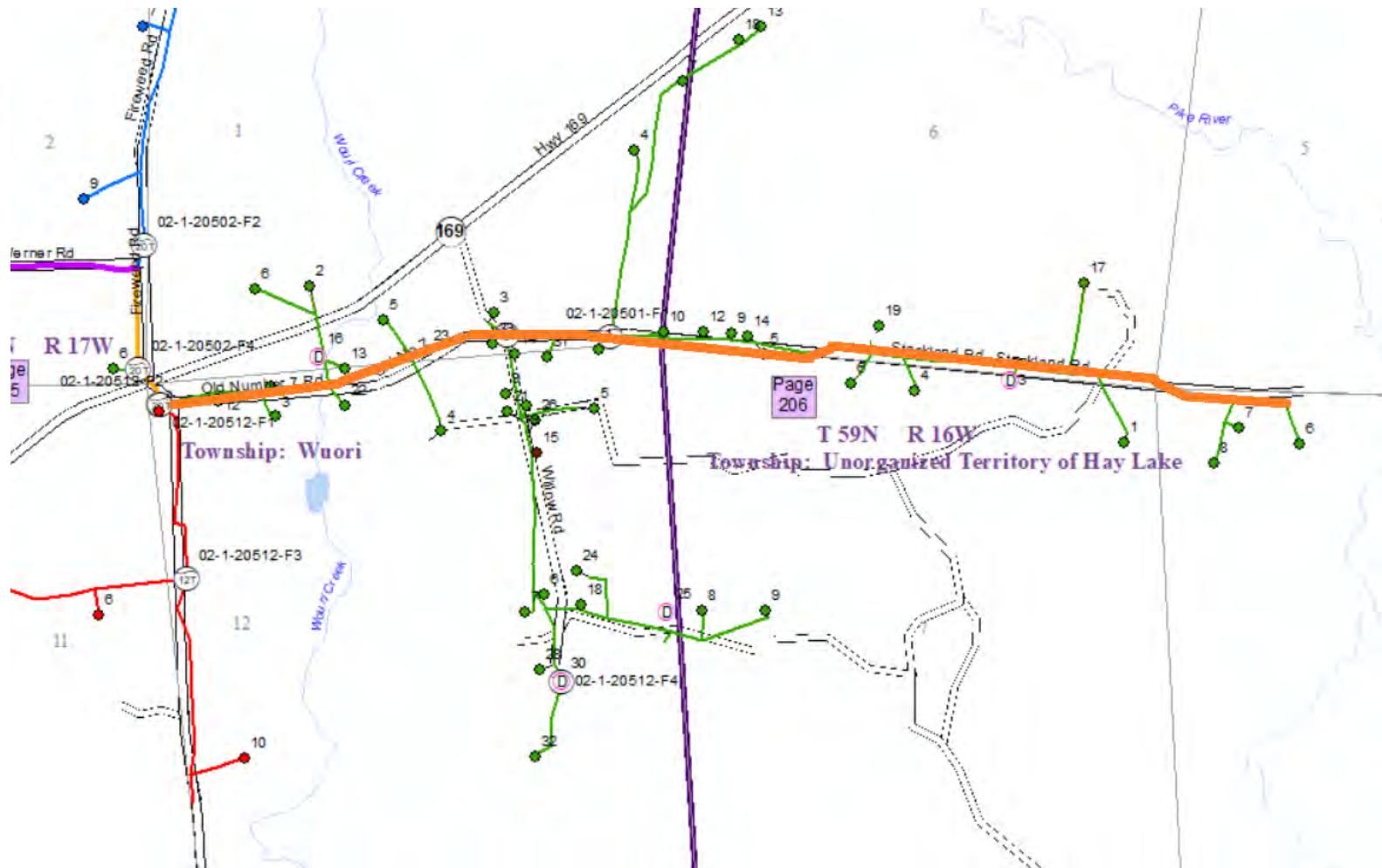
| Sub/Ckt    | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|------------|------------------------------------|-----------|-----------|-------------|--------------|
| 01-Peary/2 | Rebuild 3Ø 6A OH to 3Ø 4/0 ACSR OH | 269033018 | 268002509 | 1.0         | 2-5          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

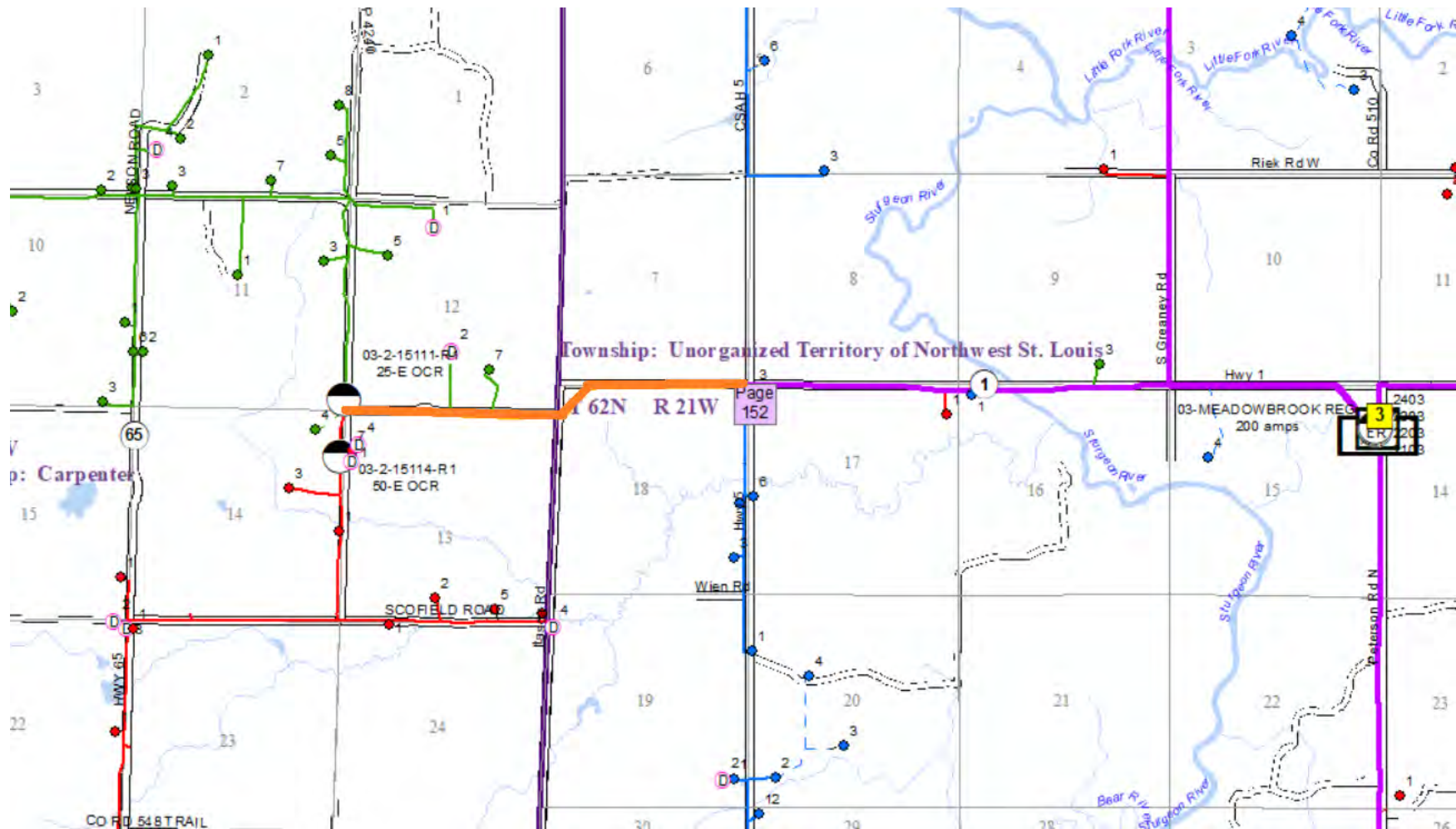
| Sub/Ckt         | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------------|------------------------------------|-----------|-----------|-------------|--------------|
| 02-Pike River/1 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 205031104 | 206010806 | 2.3         | 3,7          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

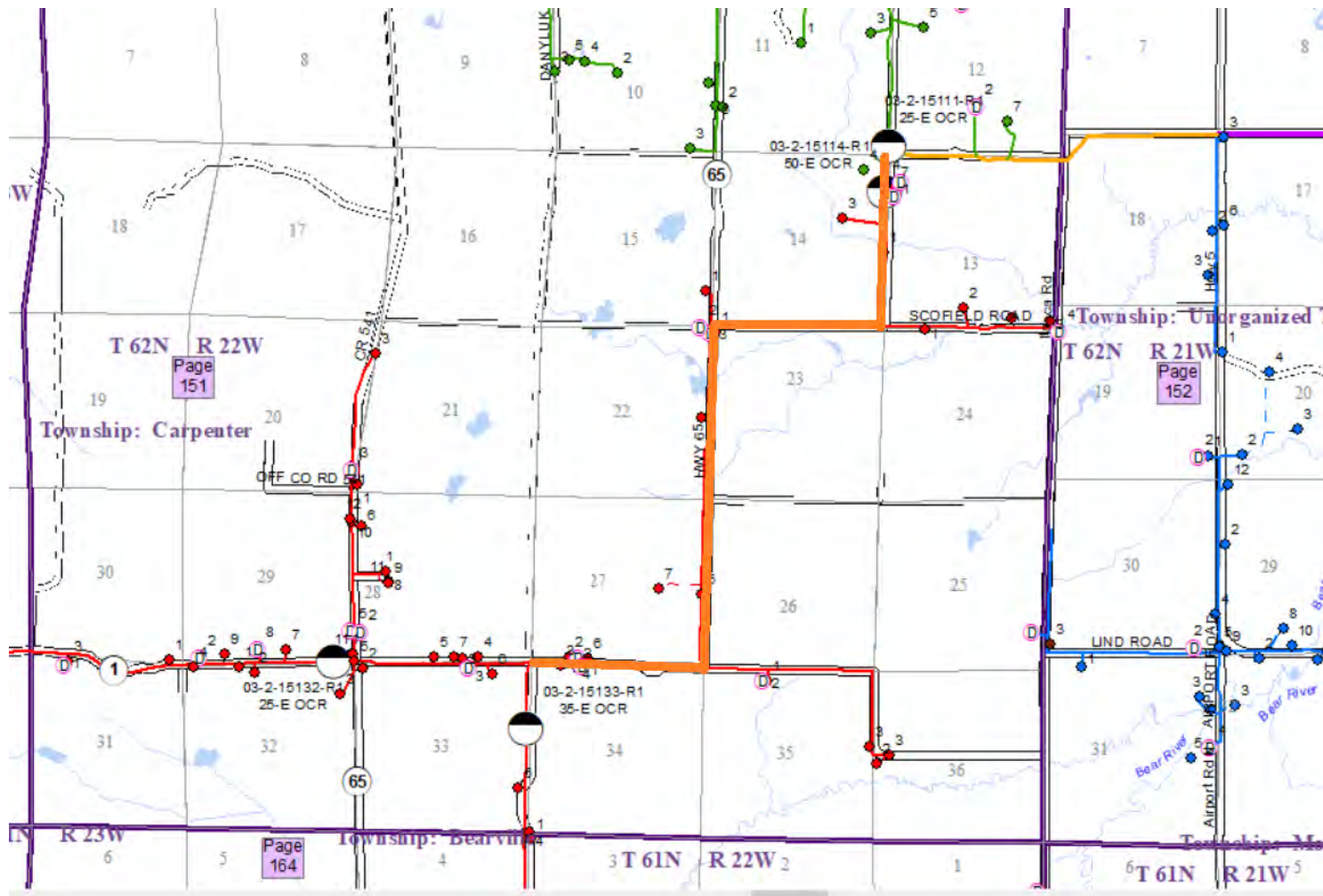
| Sub/Ckt          | Const Type                                 | Map Start | Map End   | Length (mi) | Reason Codes |
|------------------|--------------------------------------------|-----------|-----------|-------------|--------------|
| 03-Meadowbrook/2 | Rebuild 2Ø 6A OH to 3Ø 4/0 ACSR OH (25 KV) | 152001703 | 151001404 | 2.0         | 2-4,6        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt          | Const Type                                 | Map Start | Map End   | Length (mi) | Reason Codes |
|------------------|--------------------------------------------|-----------|-----------|-------------|--------------|
| 03-Meadowbrook/2 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH (25 KV) | 151001404 | 151003403 | 5.0         | 3,6          |

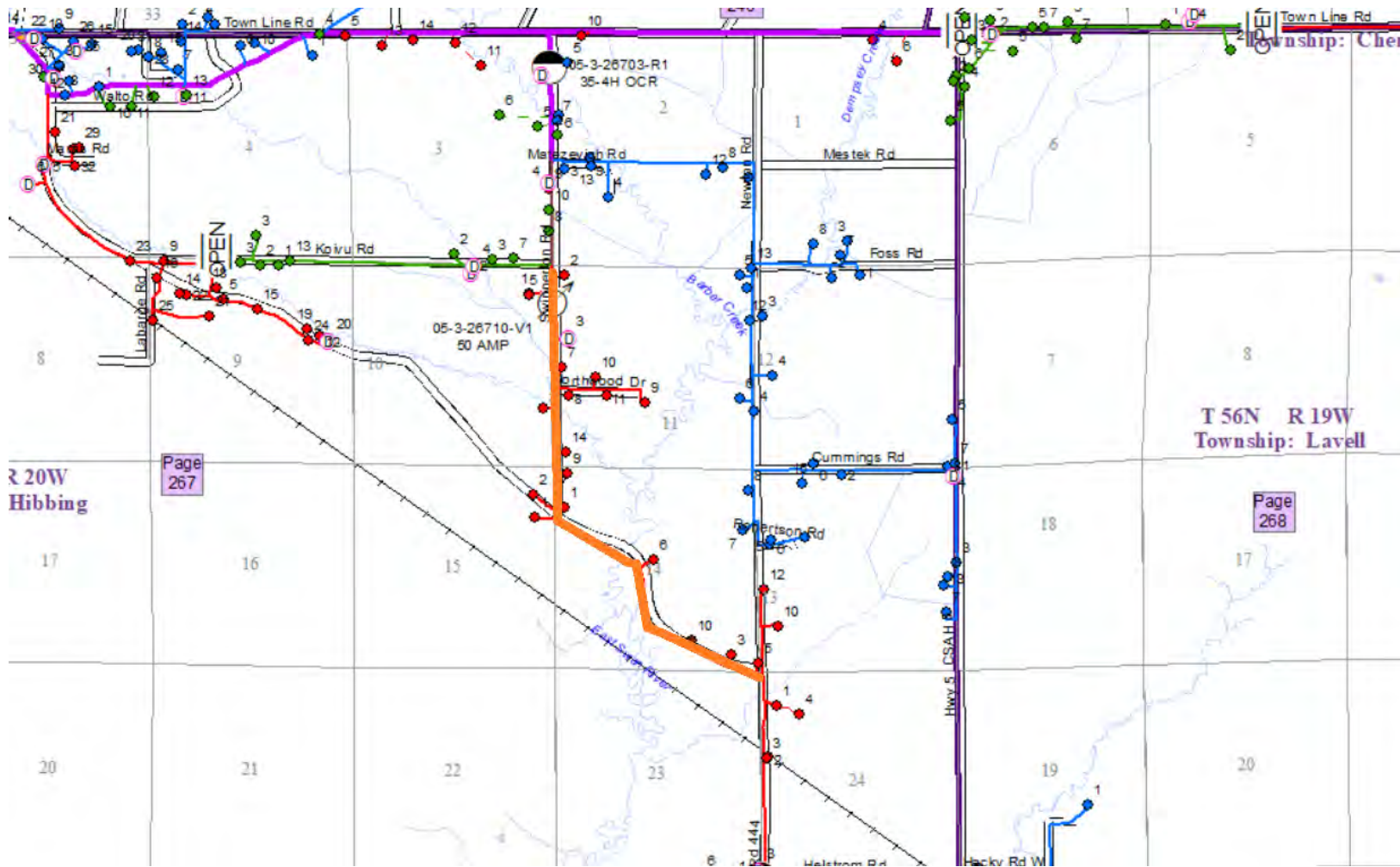


#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)



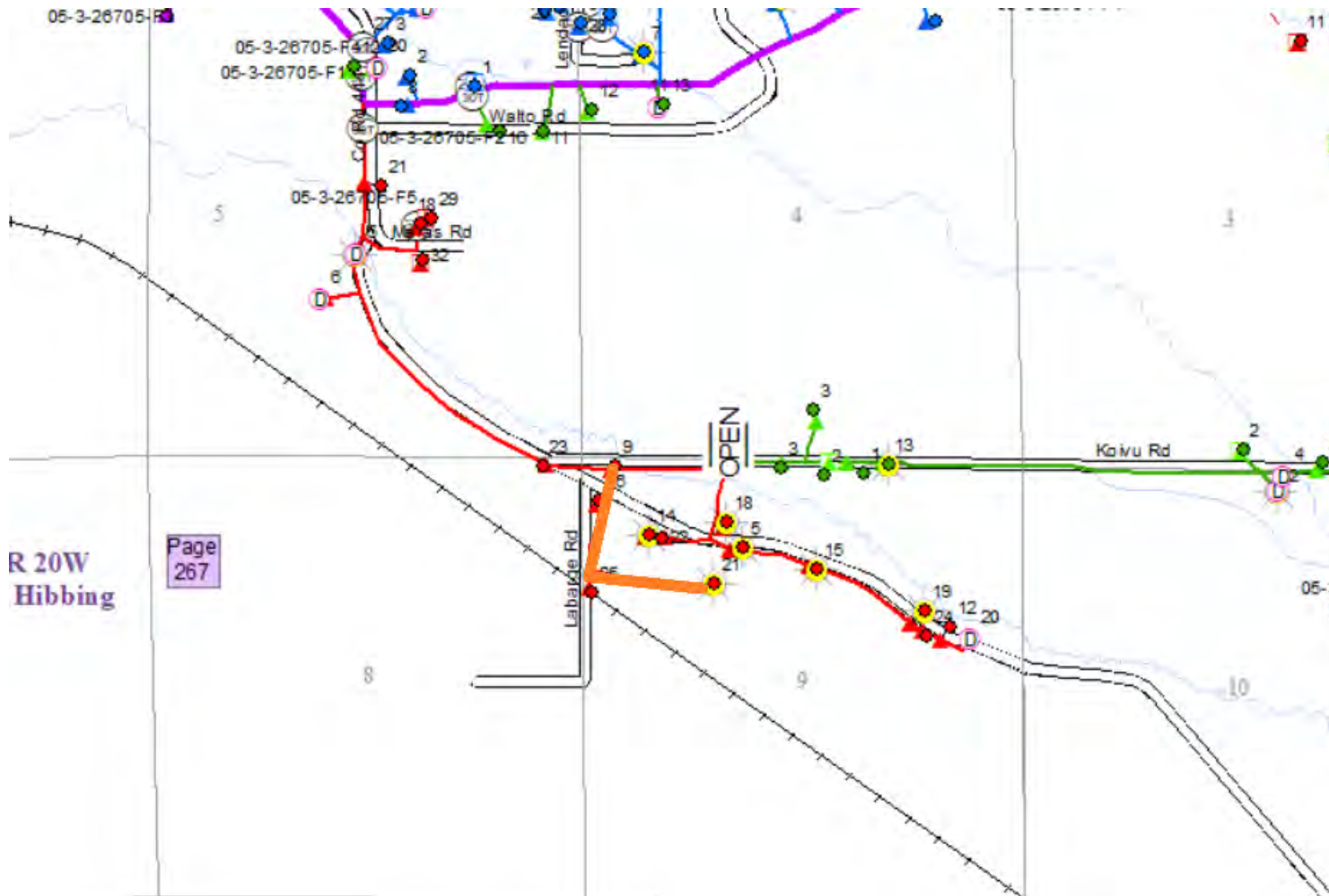
| Sub/Ckt       | Const Type                                               | Map Start | Map End   | Length (mi) | Reason Codes |
|---------------|----------------------------------------------------------|-----------|-----------|-------------|--------------|
| 05-Keewatin/3 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH<br>(Remove Regulator) | 267021102 | 267001405 | 2.6         | 3            |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

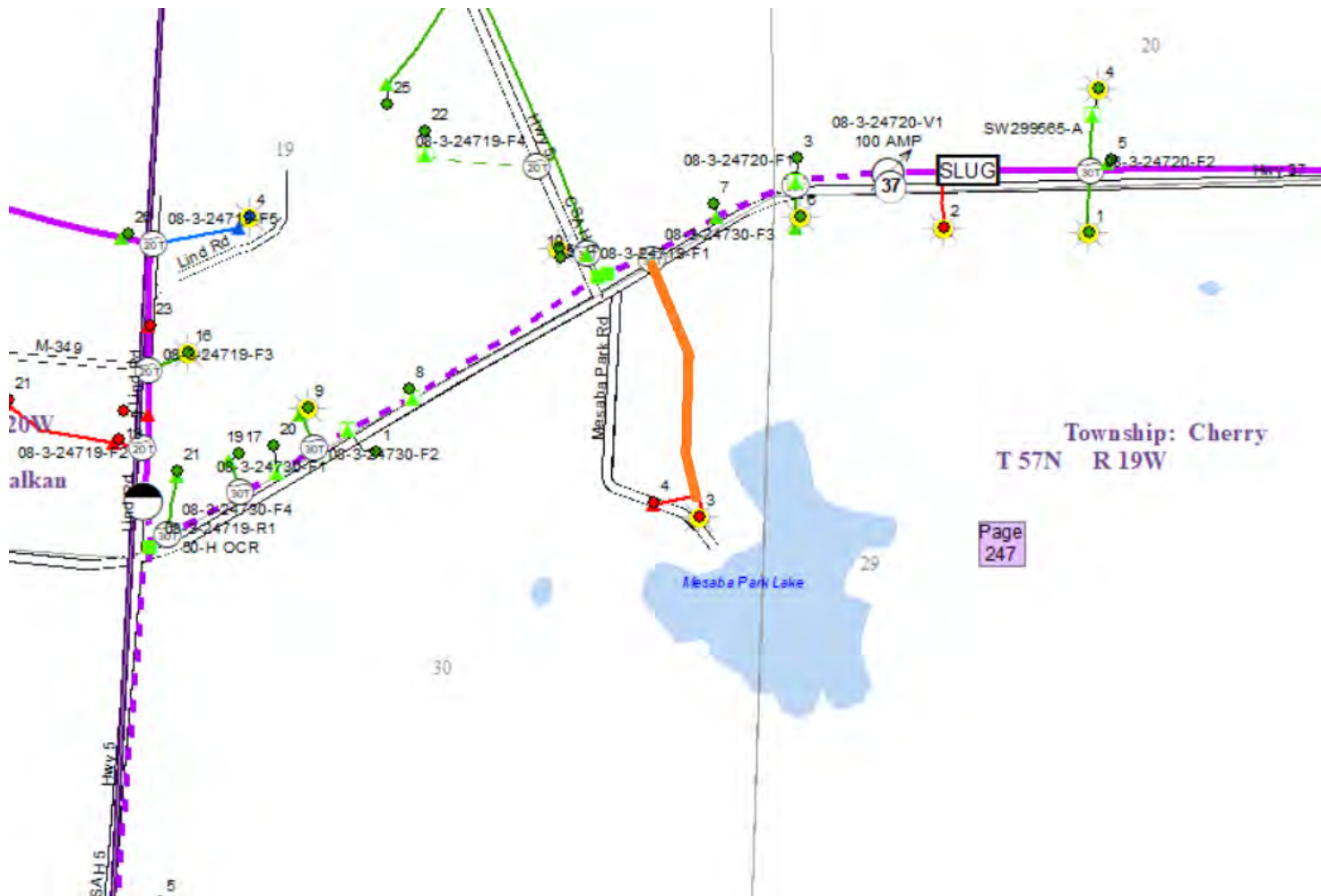
| Sub/Ckt       | Const Type                            | Map Start | Map End   | Length (mi) | Reason Codes |
|---------------|---------------------------------------|-----------|-----------|-------------|--------------|
| 05-Keewatin/3 | Rebuild 1Ø Steel OH to 1Ø 1/0 ACSR OH | 267010909 | 267010921 | 0.6         | 5            |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

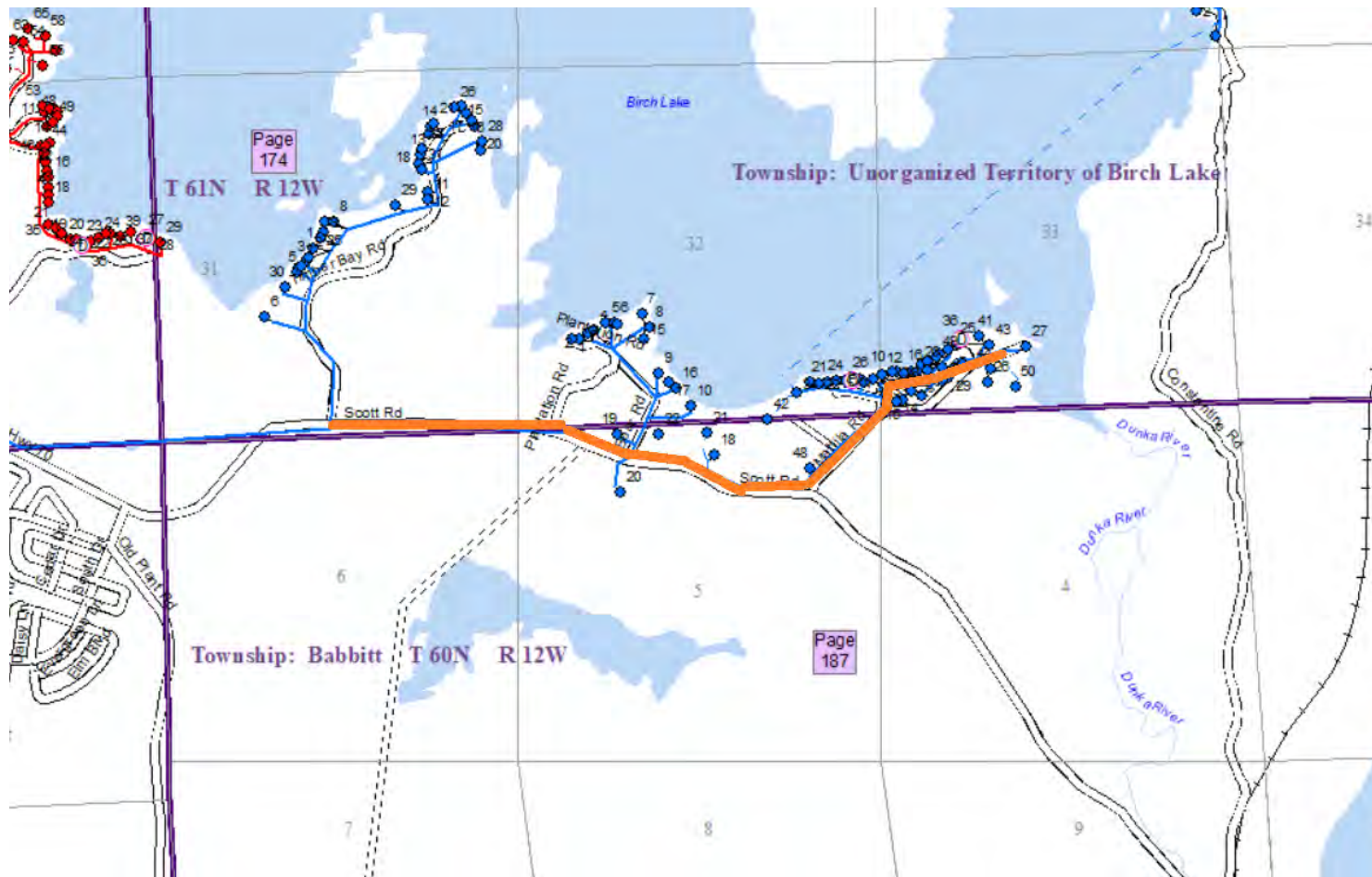
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|-----------|---------------------------------------|-----------|---------|-------------|--------------|
| 08-Iron/3 | Rebuild 1Ø Steel OH to 1Ø 1/0 ACSR OH | 2470330   | 2470330 | 0.4         | 5            |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

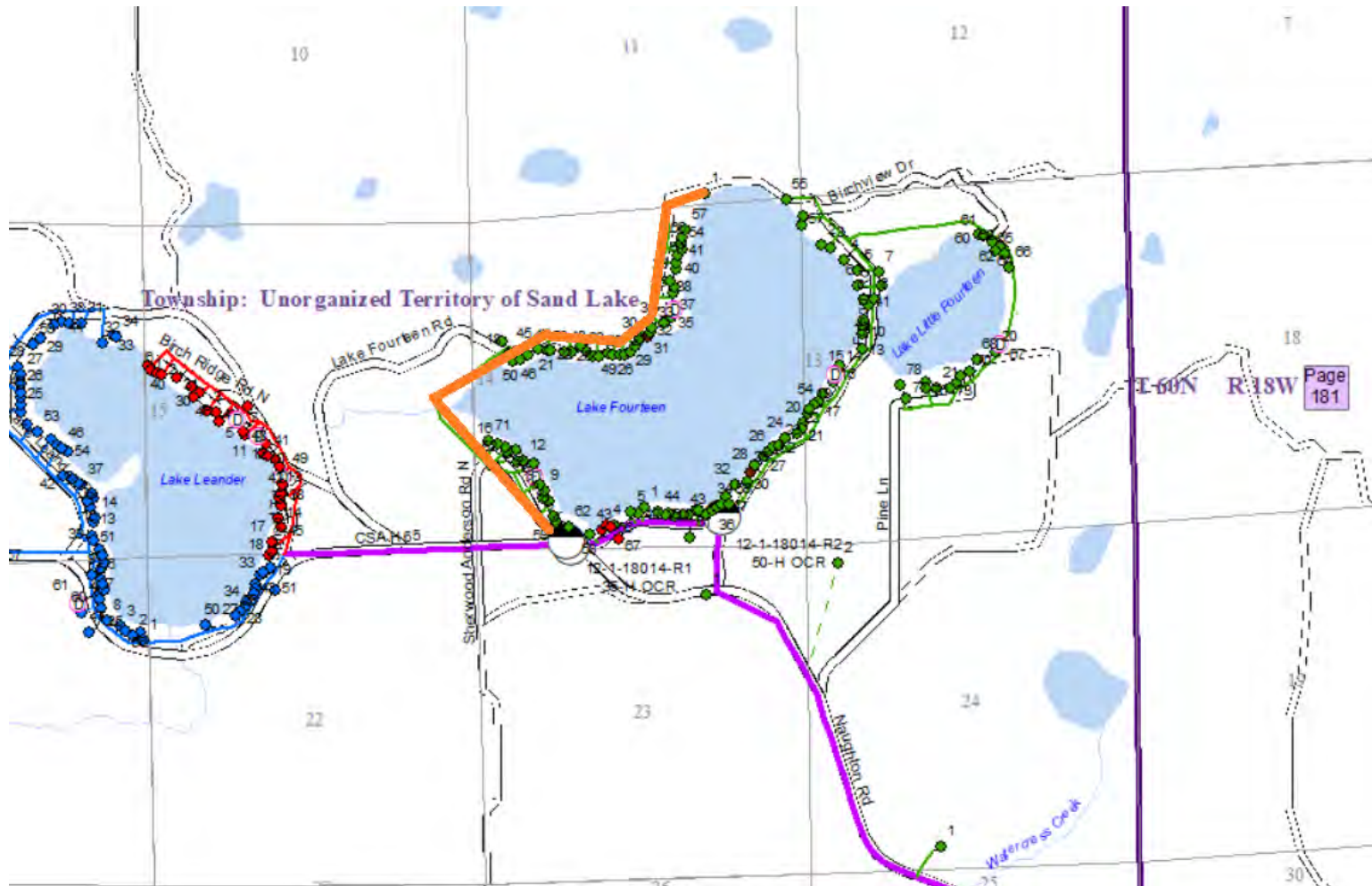
| Sub/Ckt      | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|--------------|------------------------------------|-----------|-----------|-------------|--------------|
| 09-Babbitt/2 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 187-06    | 174043343 | 2.0         | 3            |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

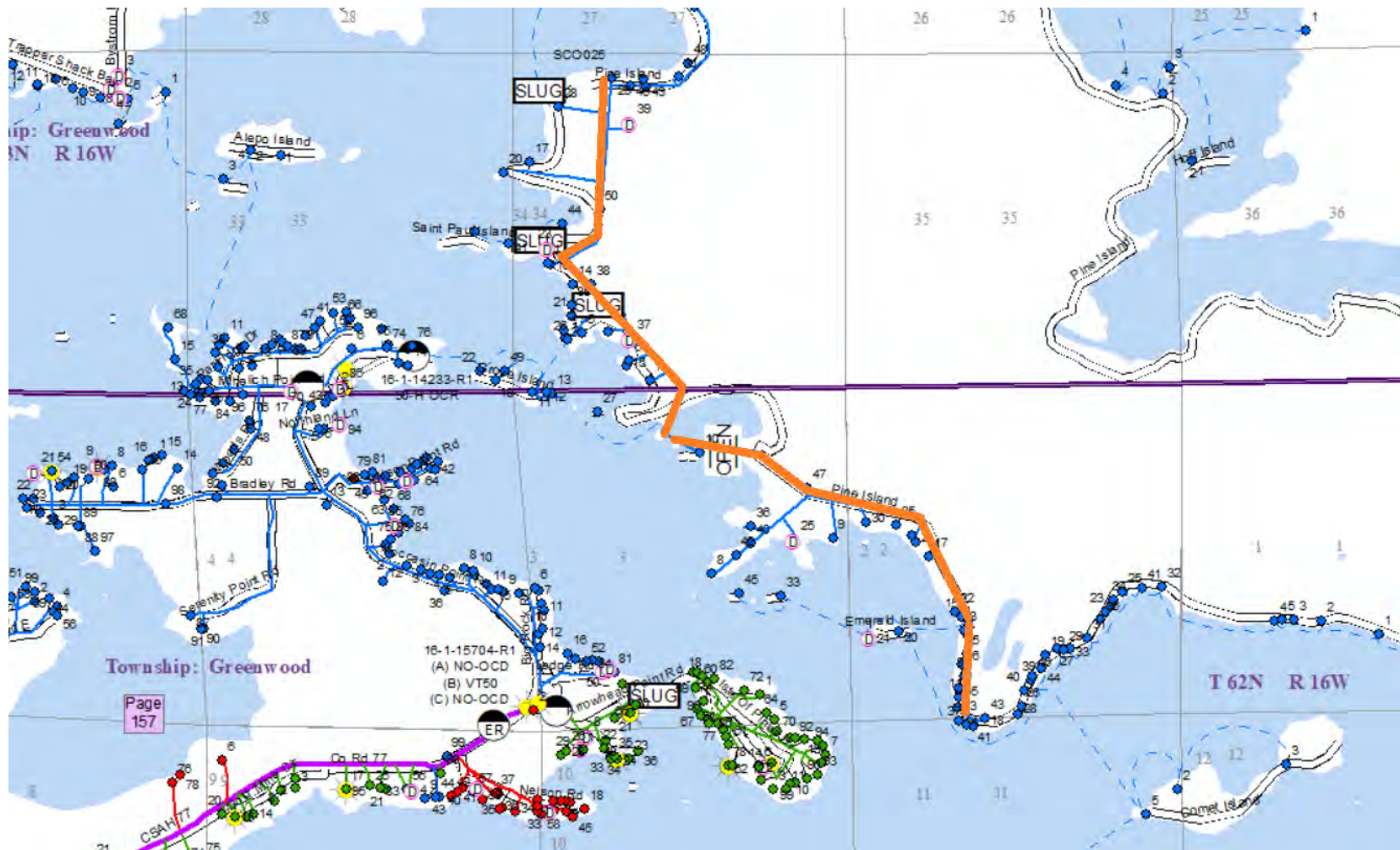
| Sub/Ckt        | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|----------------|------------------------------------|-----------|-----------|-------------|--------------|
| 12-Sand Lake/1 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 180011462 | 180001101 | 1.9         | 3,6,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt                             | Const Type                                 | Map Start | Map End   | Length (mi) | Reason Codes |
|-------------------------------------|--------------------------------------------|-----------|-----------|-------------|--------------|
| 15-Vermilion/2 &<br>16-Frazer Bay/1 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH (25 KV) | 157011141 | 142033429 | 3.0         | 3,5,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

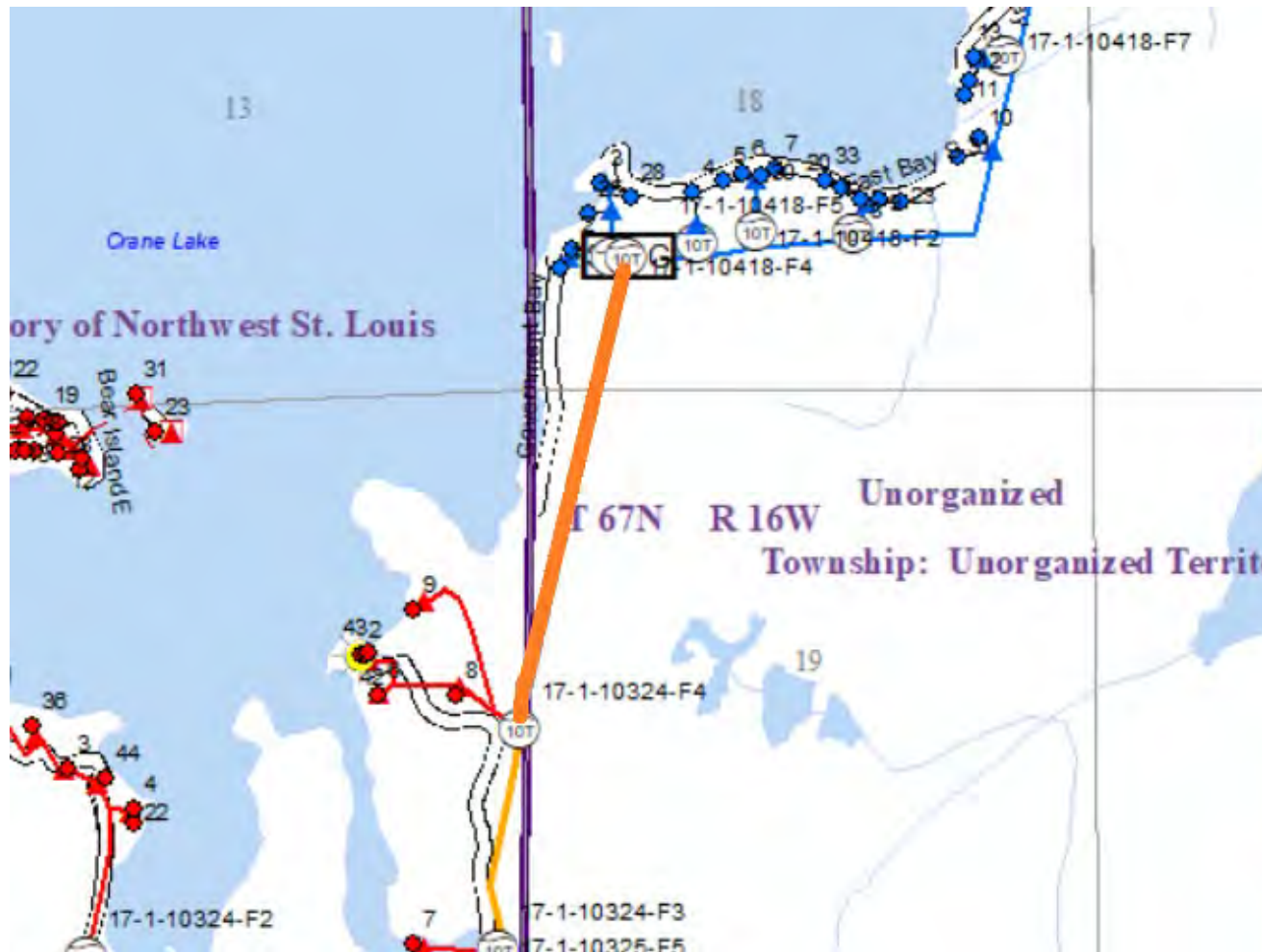
| Sub/Ckt         | Const Type                                 | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------------|--------------------------------------------|-----------|-----------|-------------|--------------|
| 16-Frazer Bay/2 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH (25 KV) | 155001406 | 155003602 | 4.3         | 3,6,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt  | Const Type                                 | Map Start | Map End   | Length (mi) | Reason Codes |
|----------|--------------------------------------------|-----------|-----------|-------------|--------------|
| 17-Orr/1 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH (25 KV) | 103032408 | 104011801 | 0.9         | 3,5,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt  | Const Type                                    | Map Start | Map End   | Length (mi) | Reason Codes |
|----------|-----------------------------------------------|-----------|-----------|-------------|--------------|
| 17-Orr/2 | Rebuild 2Ø/3Ø 6A OH to 3Ø 4/0 ACSR OH (25 KV) | 124010614 | 115013222 | 0.6         | 3,6,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

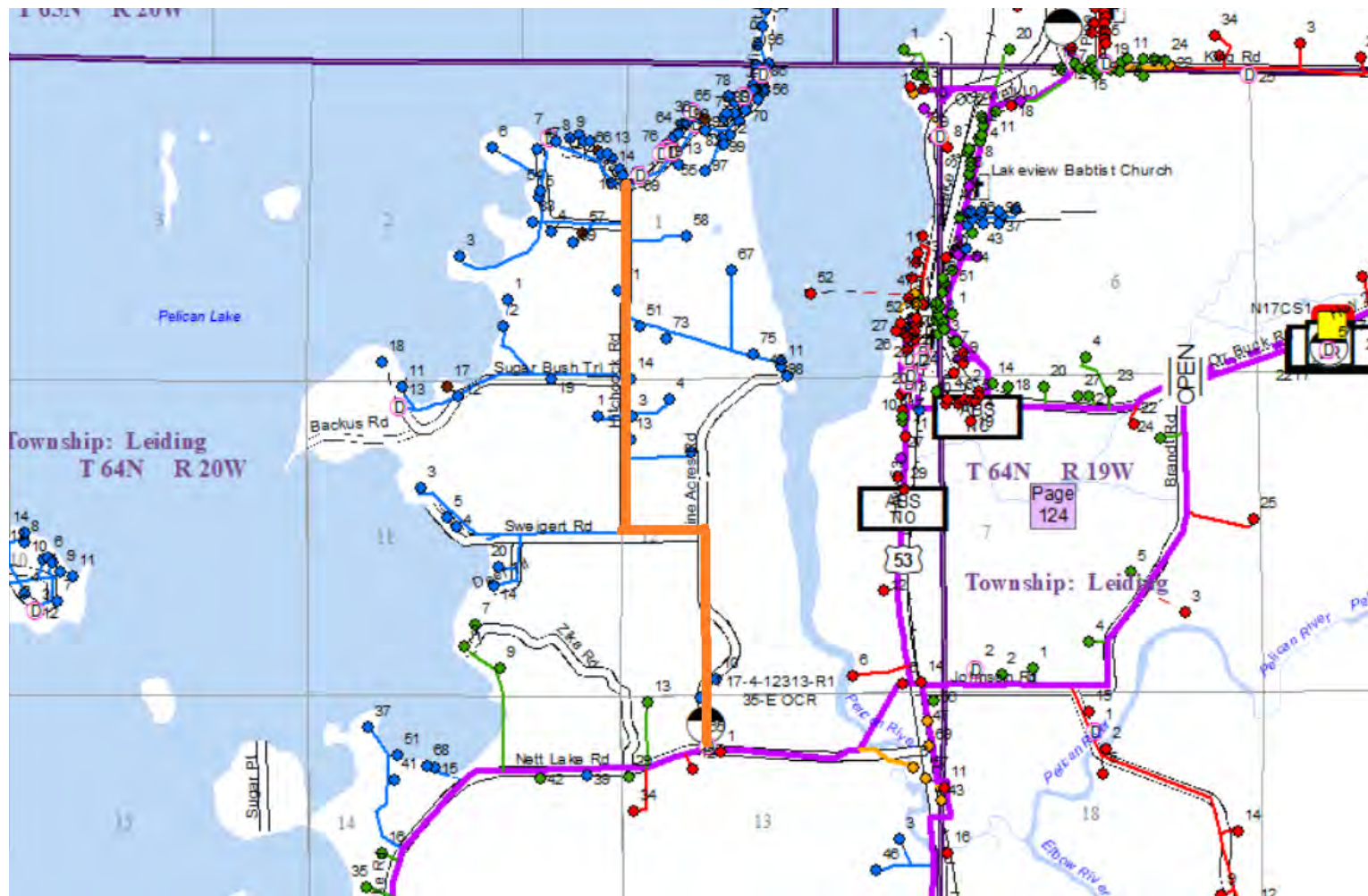
| Sub/Ckt  | Const Type                                 | Map Start | Map End   | Length (mi) | Reason Codes |
|----------|--------------------------------------------|-----------|-----------|-------------|--------------|
| 17-Orr/2 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH (25 KV) | 115013222 | 115012705 | 2.9         | 6,7          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

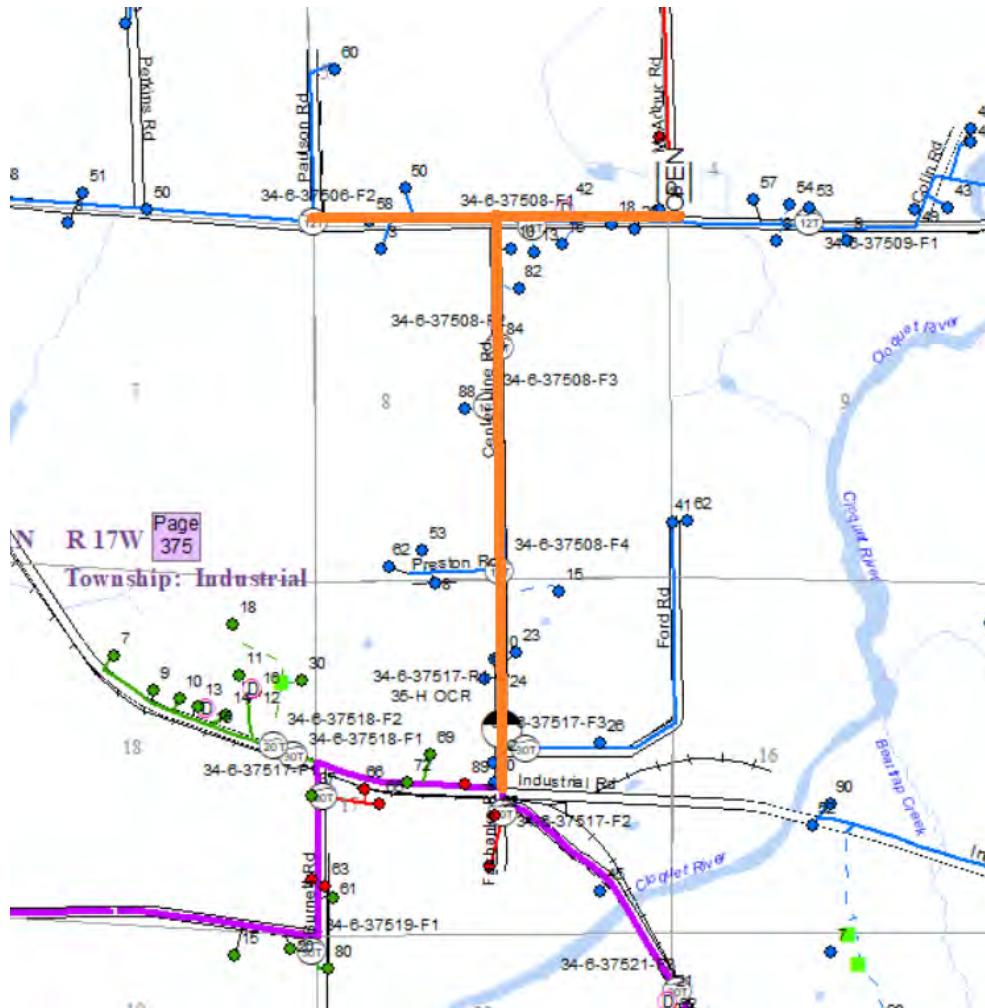
| Sub/Ckt  | Const Type                                 | Map Start | Map End   | Length (mi) | Reason Codes |
|----------|--------------------------------------------|-----------|-----------|-------------|--------------|
| 17-Orr/4 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH (25 KV) | 123031301 | 123010216 | 2.0         | 6,7          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

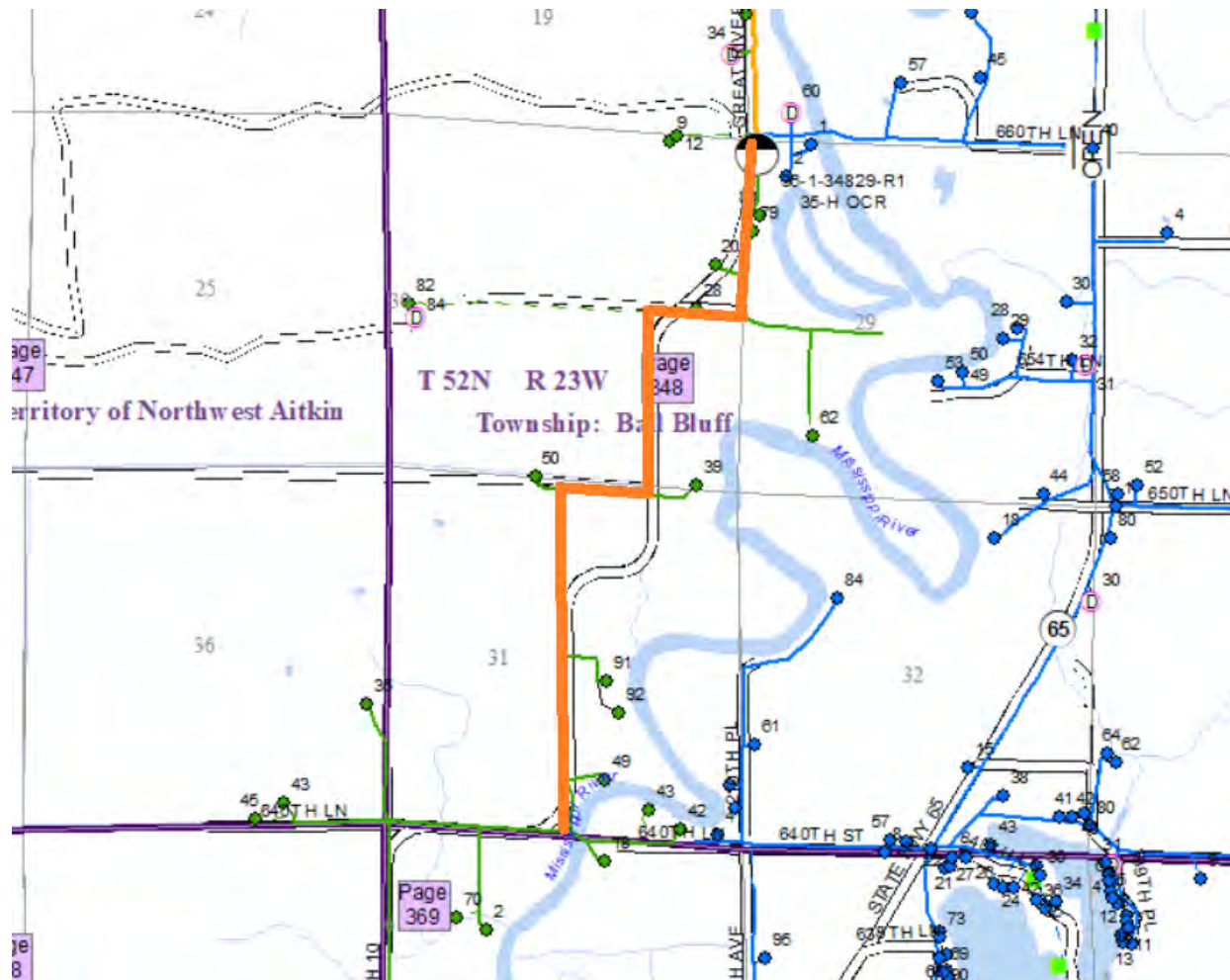
| Sub/Ckt         | Const Type                              | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------------|-----------------------------------------|-----------|-----------|-------------|--------------|
| 34-Grand Lake/6 | Rebuild 1Ø #4 ACSR OH to 1Ø 1/0 ACSR OH | 375001790 | 375000810 | 2.5         | 3,6,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

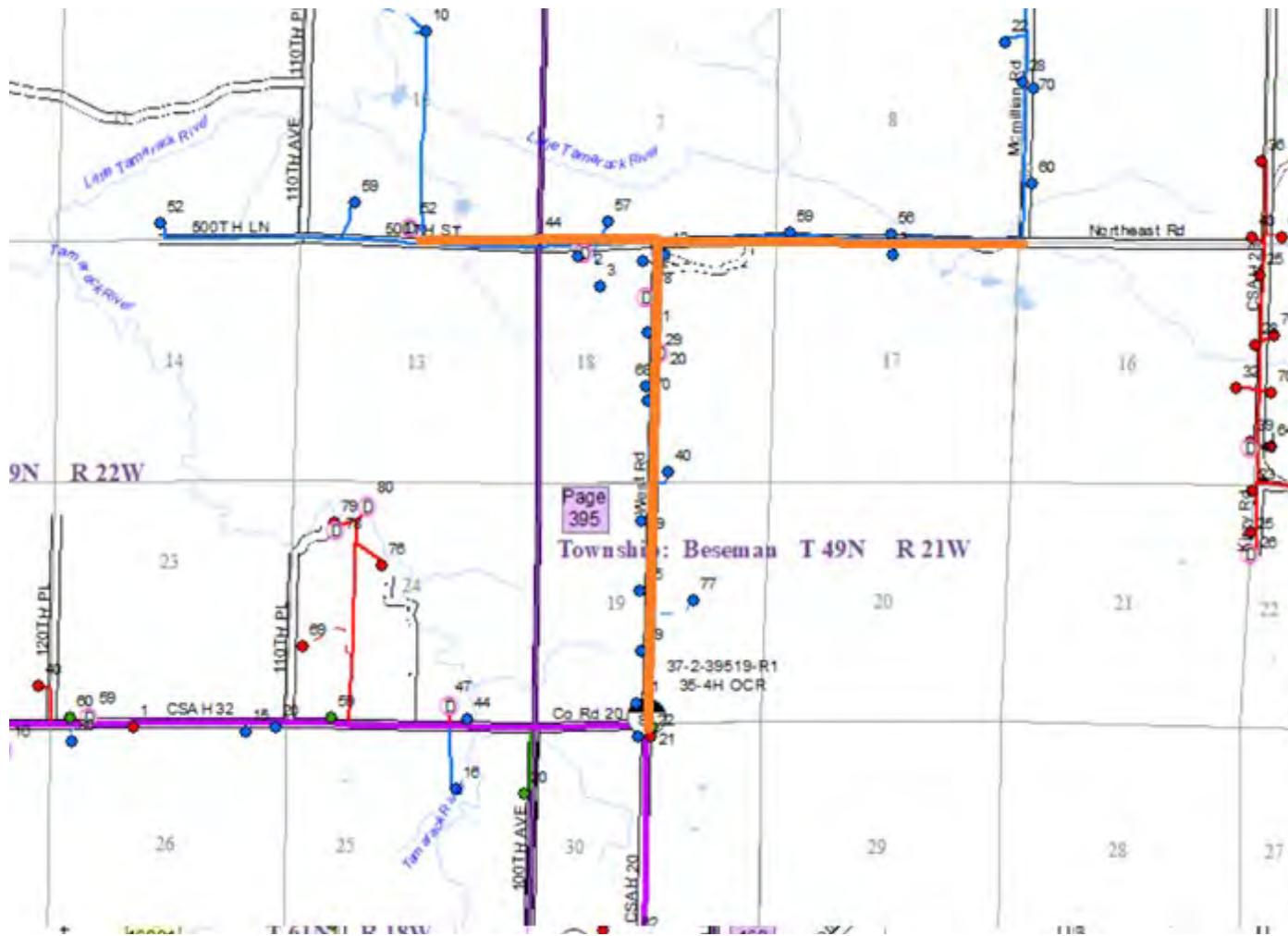
| Sub/Ckt           | Const Type                              | Map Start | Map End   | Length (mi) | Reason Codes |
|-------------------|-----------------------------------------|-----------|-----------|-------------|--------------|
| 36-Cedar Valley/1 | Rebuild 1Ø #4 ACSR OH to 1Ø 1/0 ACSR OH | 348002980 | 348003149 | 2.5         | 6            |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

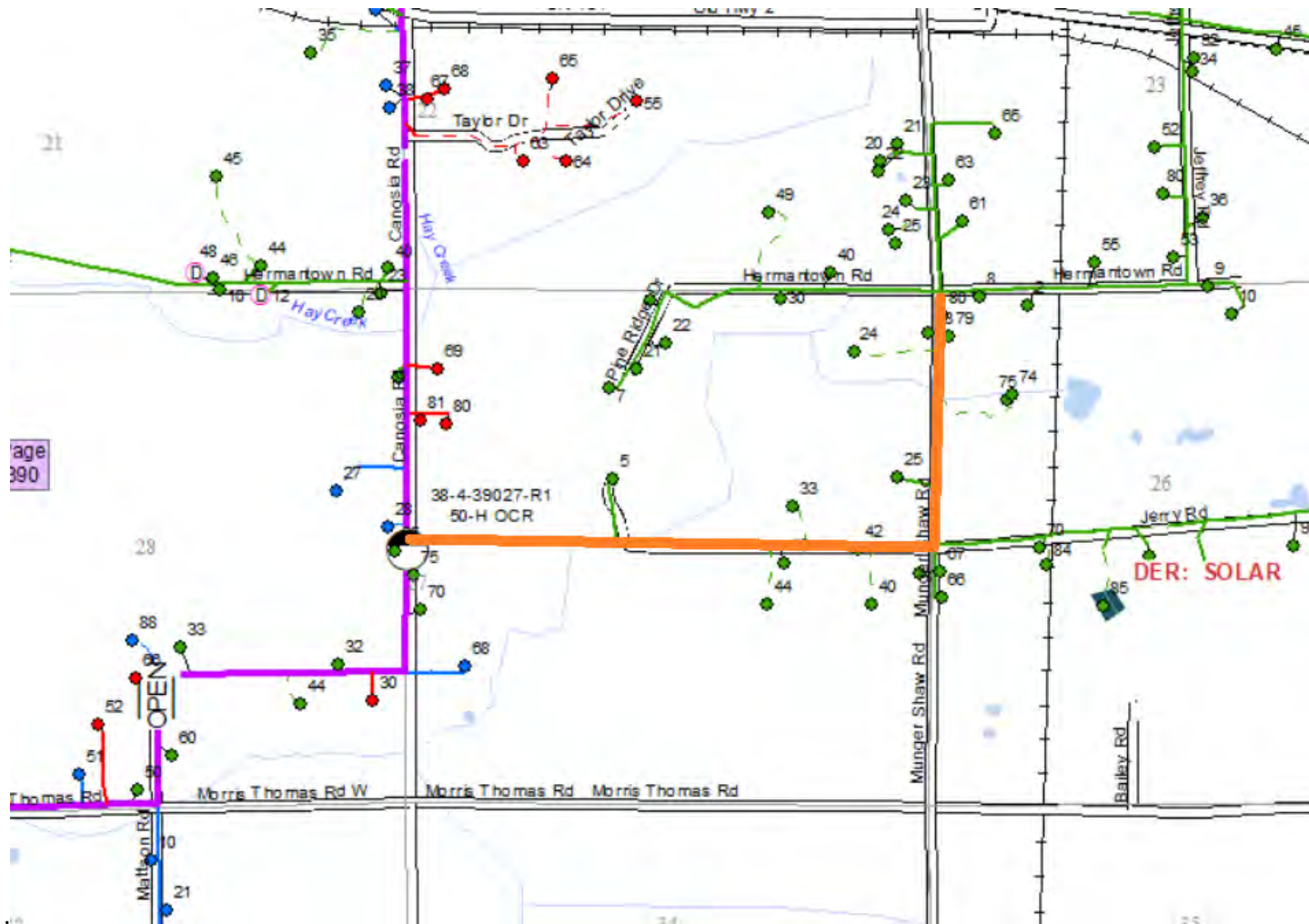
| Sub/Ckt     | Const Type                              | Map Start | Map End   | Length (mi) | Reason Codes |
|-------------|-----------------------------------------|-----------|-----------|-------------|--------------|
| 37-Wright/2 | Rebuild 1Ø #4 ACSR OH to 1Ø 1/0 ACSR OH | 395003021 | 394001252 | 4.5         | 6,7          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt     | Const Type                              | Map Start | Map End   | Length (mi) | Reason Codes |
|-------------|-----------------------------------------|-----------|-----------|-------------|--------------|
| 38-Solway/4 | Rebuild 1Ø #4 ACSR OH to 1Ø 1/0 ACSR OH | 390002825 | 390002608 | 1.5         | 2,3,6        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt                 | Const Type                            | Map Start | Map End | Length (mi) | Reason Codes |
|-------------------------|---------------------------------------|-----------|---------|-------------|--------------|
| 39-Sturgeon Lake<br>A/1 | Rebuild 1Ø Steel OH to 1Ø 1/0 ACSR OH | 4280021   | 4280021 | 0.1         | 2,3,6        |



AA

#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt                 | Const Type                              | Map Start | Map End   | Length (mi) | Reason Codes |
|-------------------------|-----------------------------------------|-----------|-----------|-------------|--------------|
| 43-Sturgeon Lake<br>B/5 | Rebuild 2Ø #2 ACSR OH to 3Ø 4/0 ACSR OH | 429000201 | 429011126 | 1.5         | 2-5          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt           | Const Type                         | Map Start | Map End | Length (mi) | Reason Codes |
|-------------------|------------------------------------|-----------|---------|-------------|--------------|
| 47-Kettle River/5 | Rebuild 1Ø #4 ACSR OH to 1Ø 1/0 UG | 4210012   | 4210012 | 0.1         | 5            |

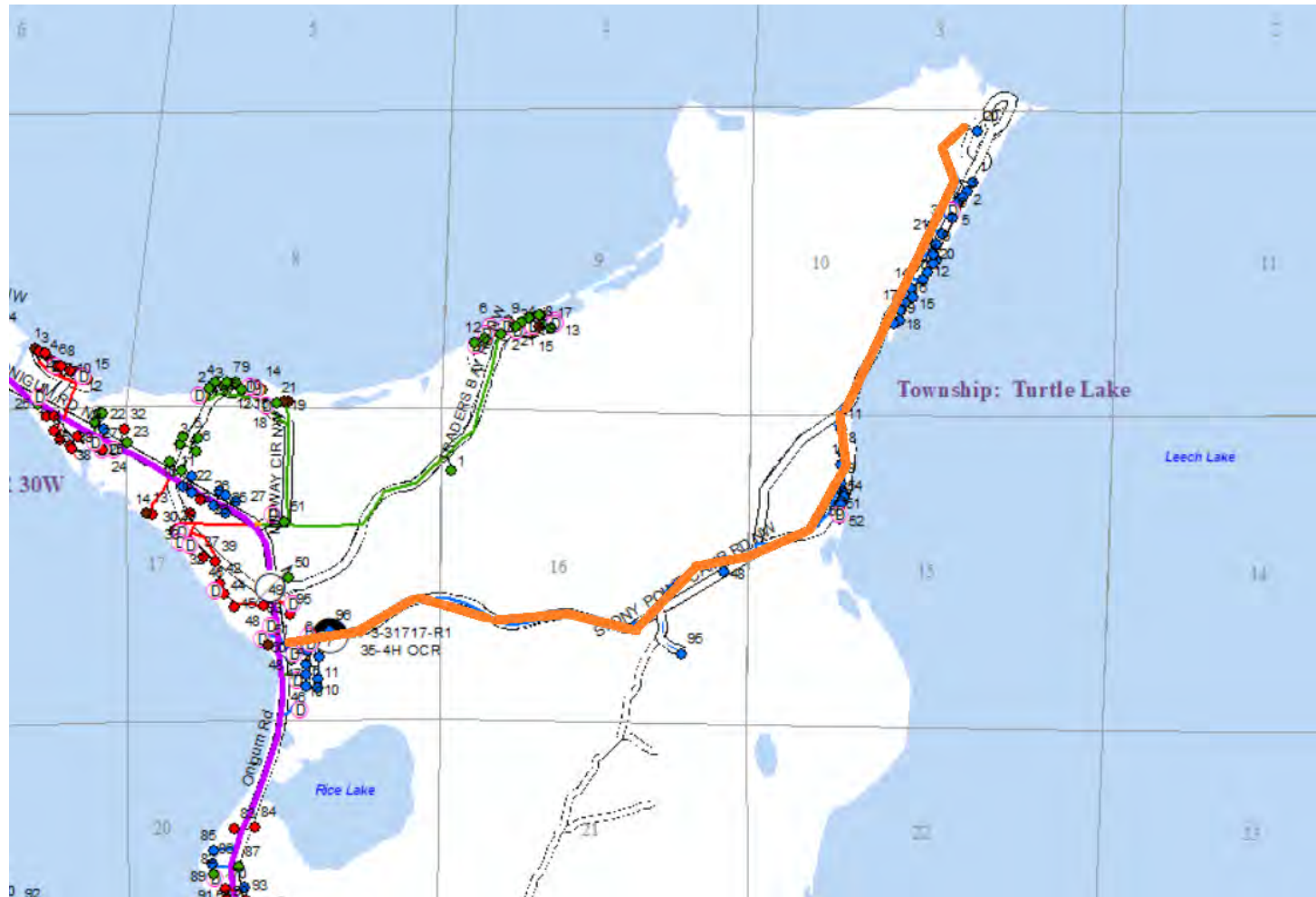


#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)



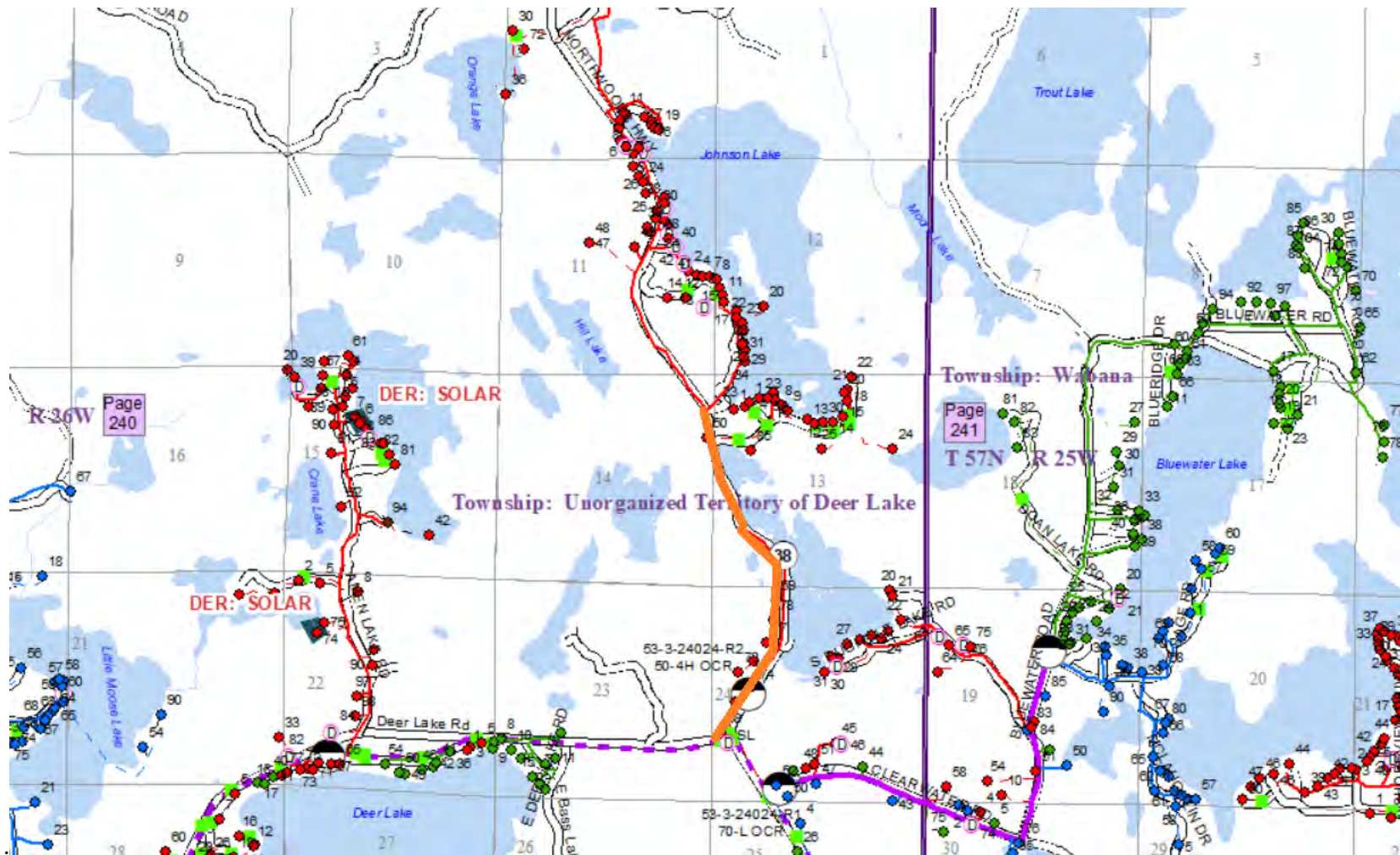
| Sub/Ckt     | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|-------------|------------------------------------|-----------|-----------|-------------|--------------|
| 51-Onigum/3 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 317071748 | 317001020 | 3.4         | 3,6,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

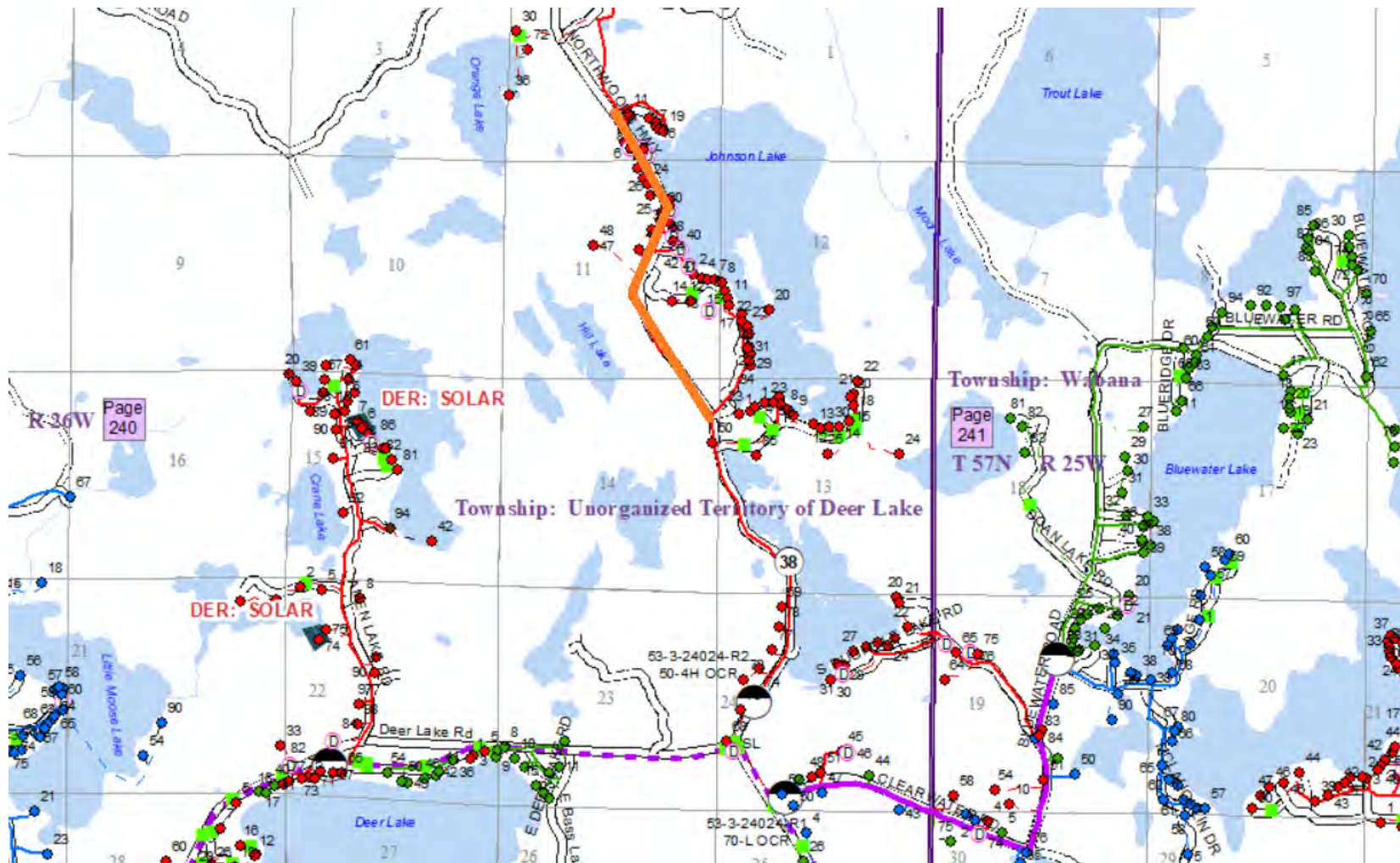
| Sub/Ckt   | Const Type                    | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------|-------------------------------|-----------|-----------|-------------|--------------|
| 53-Arbo/3 | Rebuild 1Ø 6A OH to 3Ø 4/0 UG | 240002468 | 240001301 | 1.8         | 1,2,3,5,6    |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

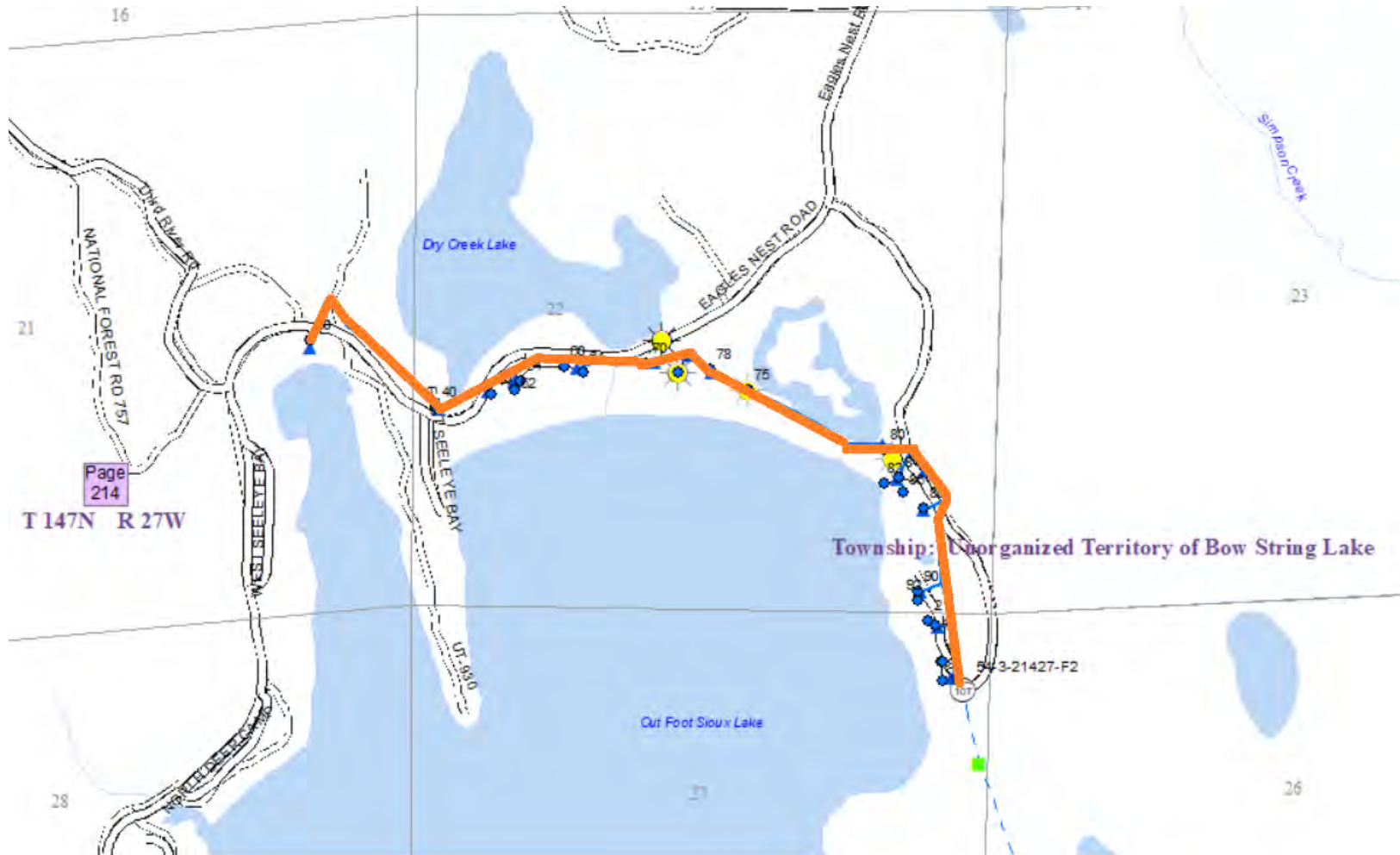
| Sub/Ckt   | Const Type                    | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------|-------------------------------|-----------|-----------|-------------|--------------|
| 53-Arbo/3 | Rebuild 1Ø 6A OH to 1Ø 1/0 UG | 240001301 | 240010211 | 1.6         | 5,6          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

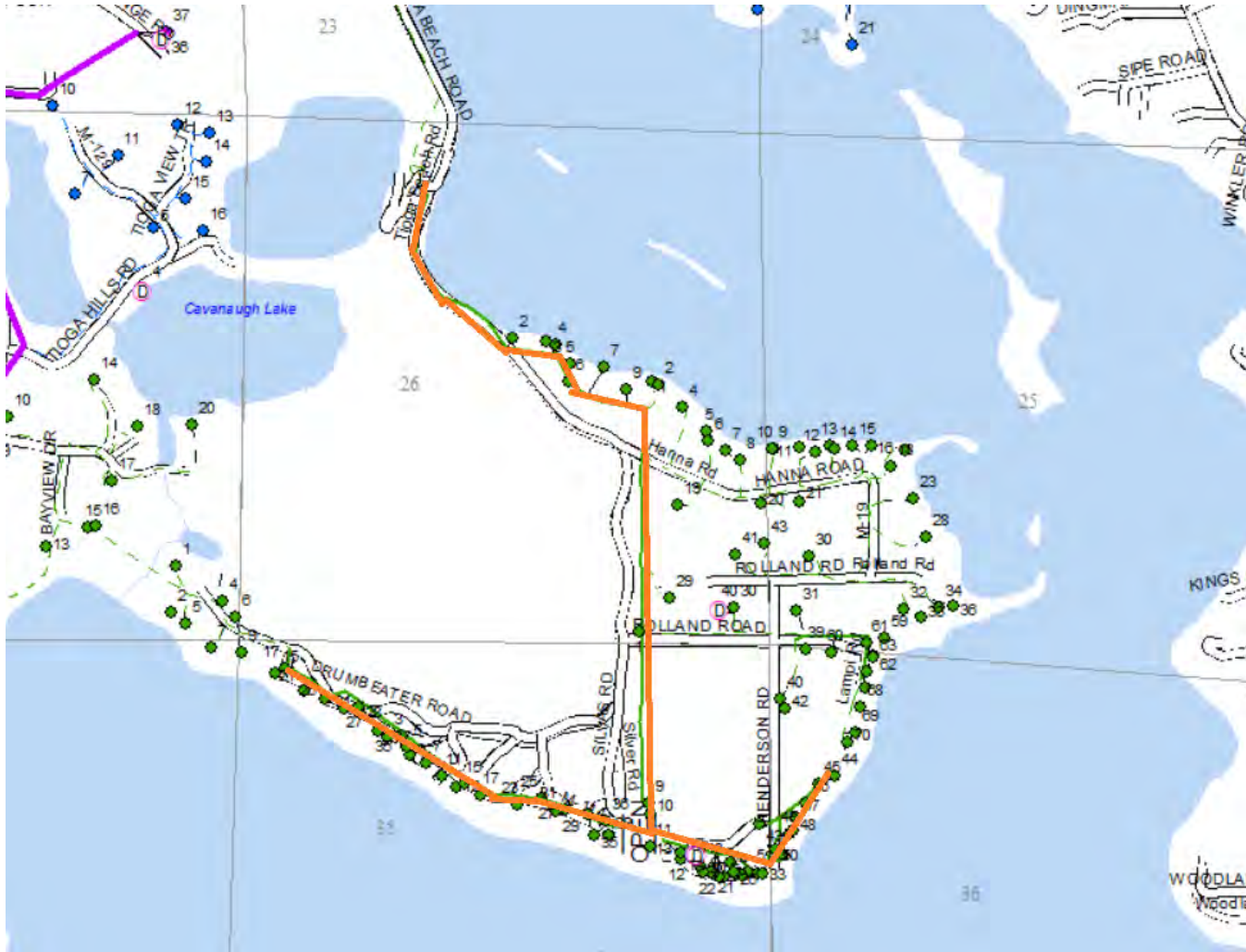
| Sub/Ckt        | Const Type                    | Map Start | Map End   | Length (mi) | Reason Codes |
|----------------|-------------------------------|-----------|-----------|-------------|--------------|
| 54-Ball Club/3 | Rebuild 1Ø 6A OH to 1Ø 1/0 UG | 214012710 | 214002130 | 1.7         | 5,6          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

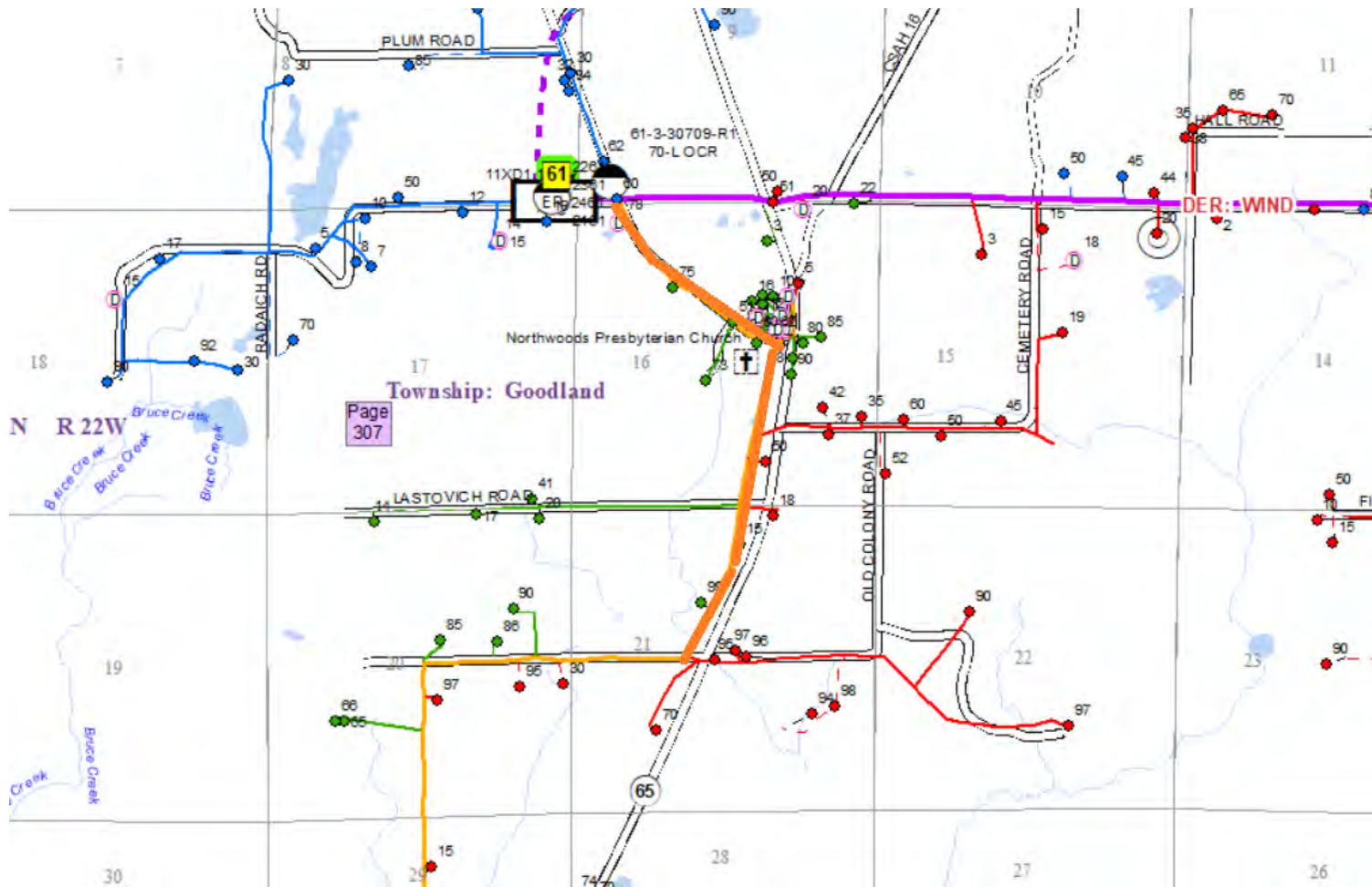
| Sub/Ckt       | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|---------------|------------------------------------|-----------|-----------|-------------|--------------|
| 55-Cohasset/4 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 282222602 | 282263515 | 2.6         | 3,6,7        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

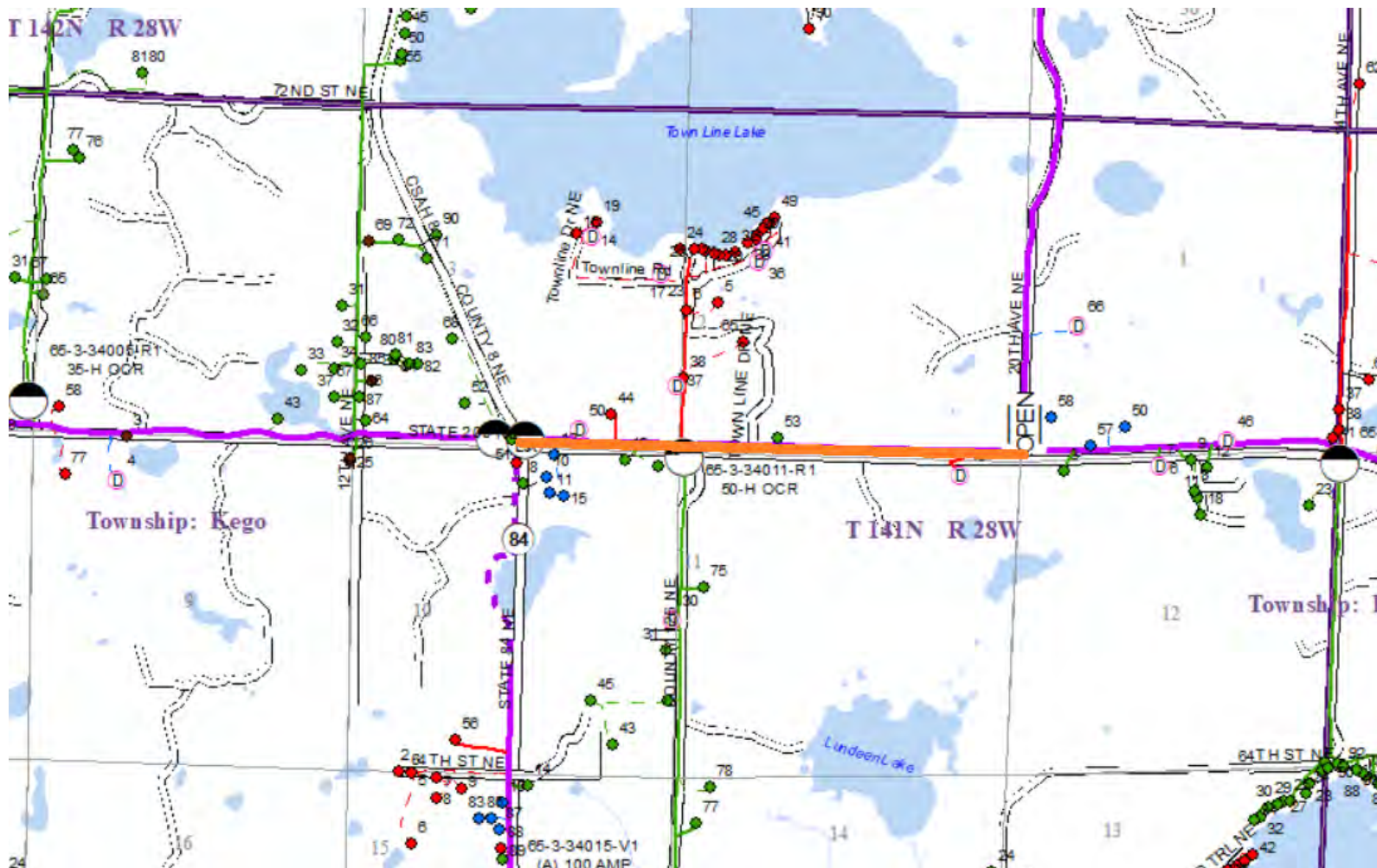
| Sub/Ckt       | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|---------------|------------------------------------|-----------|-----------|-------------|--------------|
| 61-Goodland/3 | Rebuild 2Ø 6A OH to 3Ø 4/0 ACSR OH | 307000960 | 307002195 | 1.8         | 2-4          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

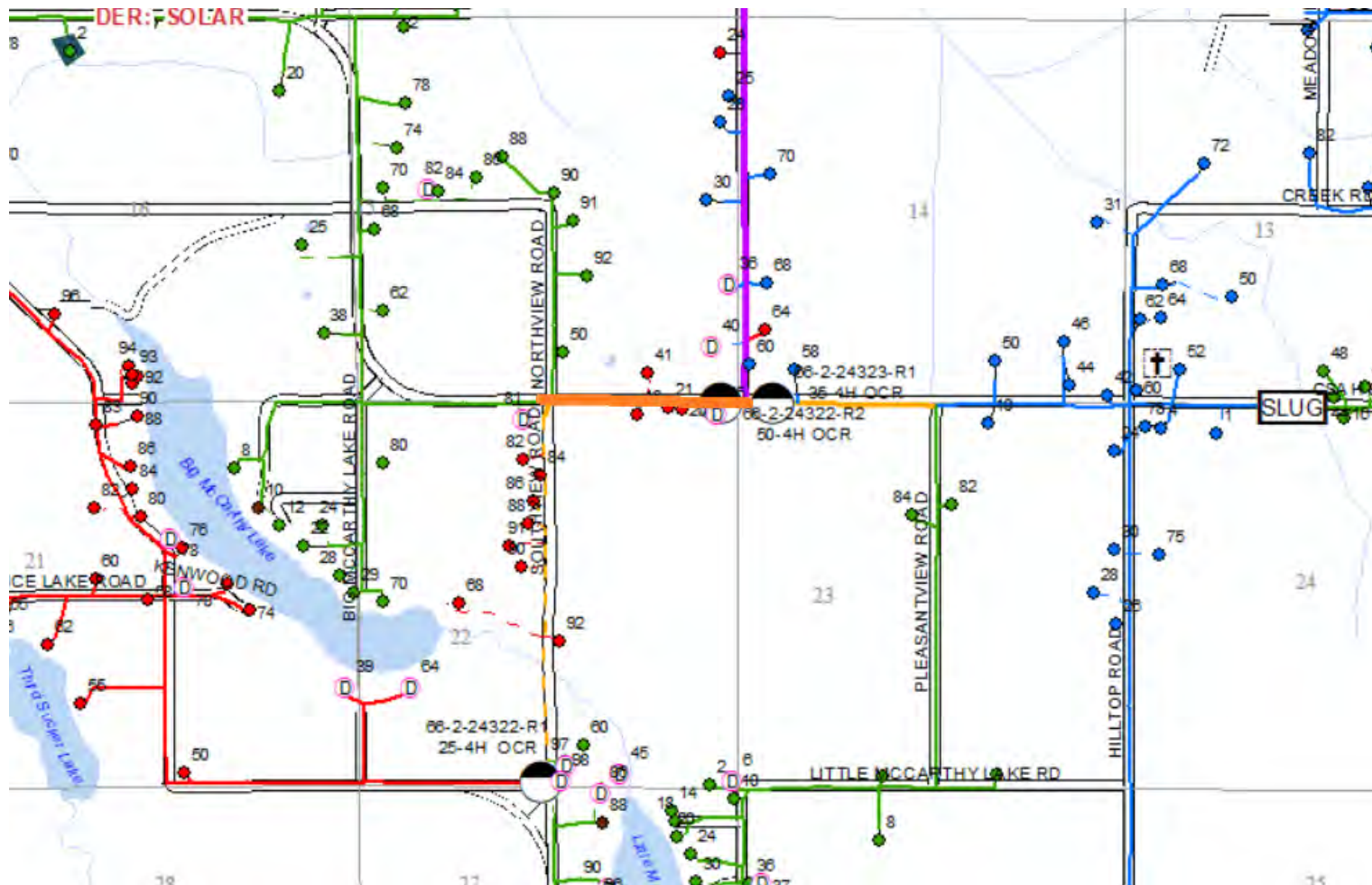
| Sub/Ckt        | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|----------------|------------------------------------|-----------|-----------|-------------|--------------|
| 63-Longville/3 | Rebuild 3Ø 2A OH to 3Ø 4/0 ACSR OH | 340000351 | 340000158 | 1.5         | 2-4,6        |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

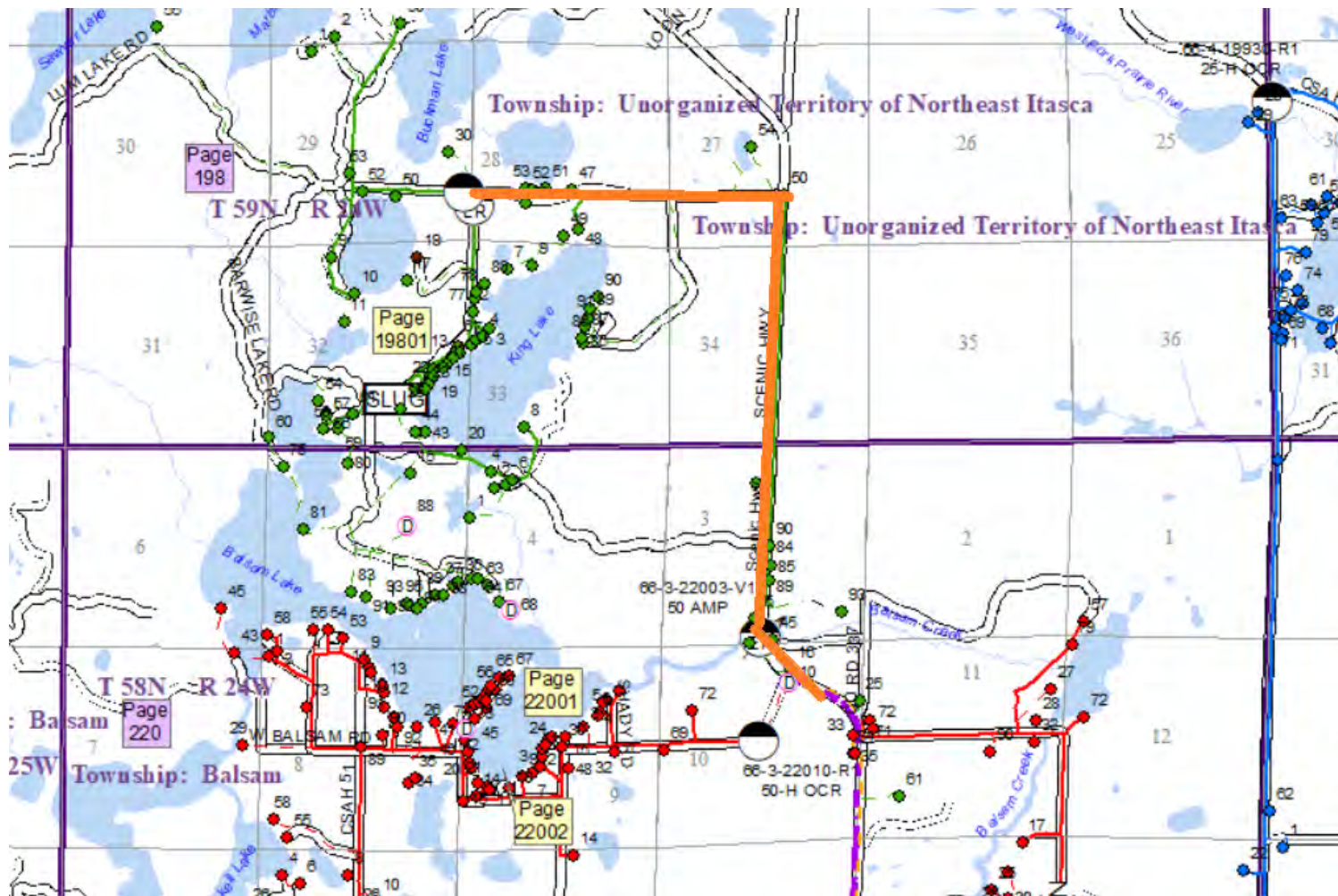
| Sub/Ckt         | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------------|------------------------------------|-----------|-----------|-------------|--------------|
| 66-Shoal Lake/2 | Rebuild 2Ø 6A OH to 3Ø 4/0 ACSR OH | 243002225 | 243002281 | 0.5         | 2-4          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

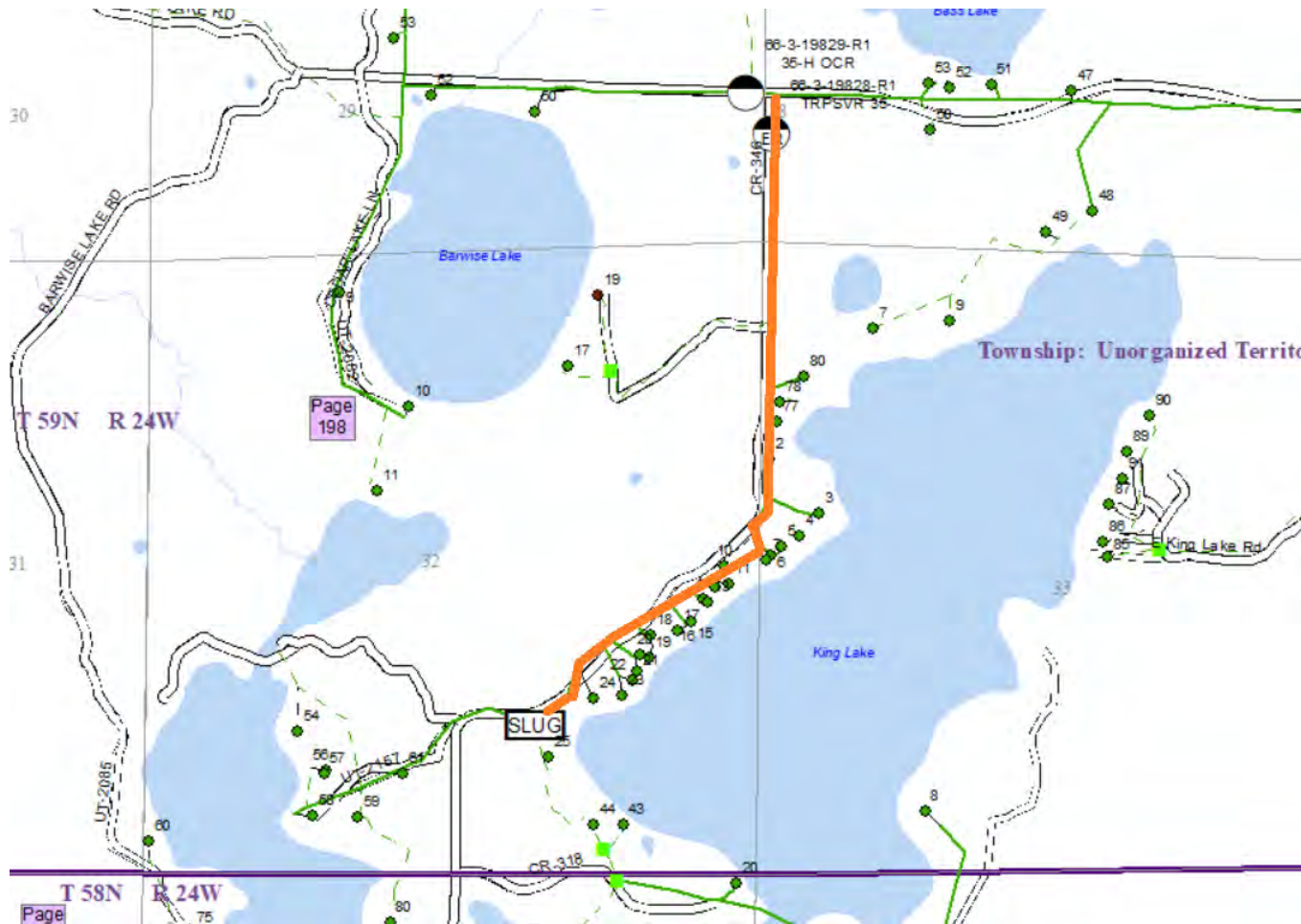
| Sub/Ckt         | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------------|------------------------------------|-----------|-----------|-------------|--------------|
| 66-Shoal Lake/3 | Rebuild 1Ø 6A OH to 3Ø 4/0 ACSR OH | 220001016 | 198002930 | 4.0         | 1-4,6,7      |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

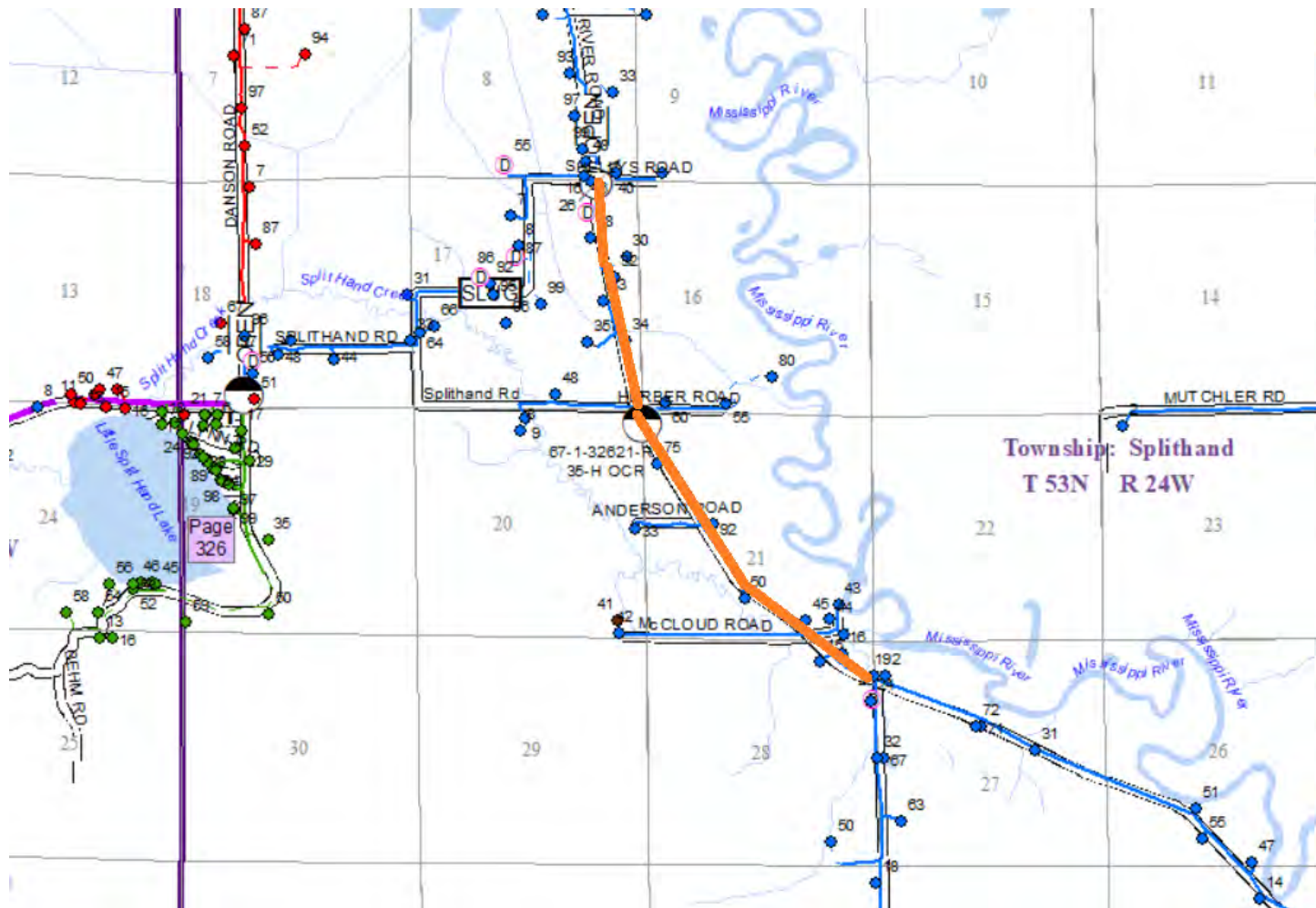
| Sub/Ckt         | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|-----------------|------------------------------------|-----------|-----------|-------------|--------------|
| 66-Shoal Lake/3 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 198002930 | 198003258 | 1.2         | 2,3,6,7      |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt       | Const Type                         | Map Start | Map End   | Length (mi) | Reason Codes |
|---------------|------------------------------------|-----------|-----------|-------------|--------------|
| 67-Pokegama/1 | Rebuild 1Ø 6A OH to 1Ø 1/0 ACSR OH | 326000845 | 326002819 | 2.8         | 3,6          |



#### Reason Codes

- 1=LRP Recommended
- 2=Load Amps > 30
- 3=Members Downstream > 50
- 4=Multi-Phase
- 5=Crew Submittal
- 6=1930's/1940's Poles
- 7=SAIFI/SAIDI (top 25 2019)

| Sub/Ckt  | Const Type                                                                                                                                                                                                                                                                              | Map Start | Map End | Length (mi) | Reason Codes |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-------------|--------------|
| Multiple | Replace Substation Transformer "Type U"<br>Bushings at the following locations: <ul style="list-style-type: none"> <li>- Pike River</li> <li>- Orr</li> <li>- Cohasset Spare</li> <li>- Peary</li> <li>- Lakeland</li> <li>- Keewatin</li> <li>- Hill City</li> <li>- Solway</li> </ul> |           |         |             |              |

#### Reason Codes

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