

This information is believed to be correct, but is subject to change and is not warranted. This information is for environmental review purposes only.

Image Source: Xcel Energy

- Transmission Structure without Distribution Underbuild
  - Transmission Line
  - Route
- Route Width = 125 feet  
ROW Width = 30 feet

**Substations**

- |   |  |
|---|--|
| <span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> Mt-28N  | <span style="background-color: green; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> Mt-28S                    |
| <span style="background-color: orange; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> G-5     | <span style="background-color: red; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> Midtown North               |
| <span style="background-color: purple; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> G-4     | <span style="background-color: magenta; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> Hiawatha West           |
| <span style="background-color: blue; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> G-3       | <span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> Hiawatha East            |
| <span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> G-2 | <span style="background-color: cyan; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> Hiawatha Planned Expansion |
| <span style="background-color: brown; border: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 5px;"></span> G-1      |  |



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**Appendix B.3.1**  
**Route A Underground**  
 Hiawatha Transmission Line  
 Xcel Energy  
 Minneapolis, Minnesota  
 January 2010

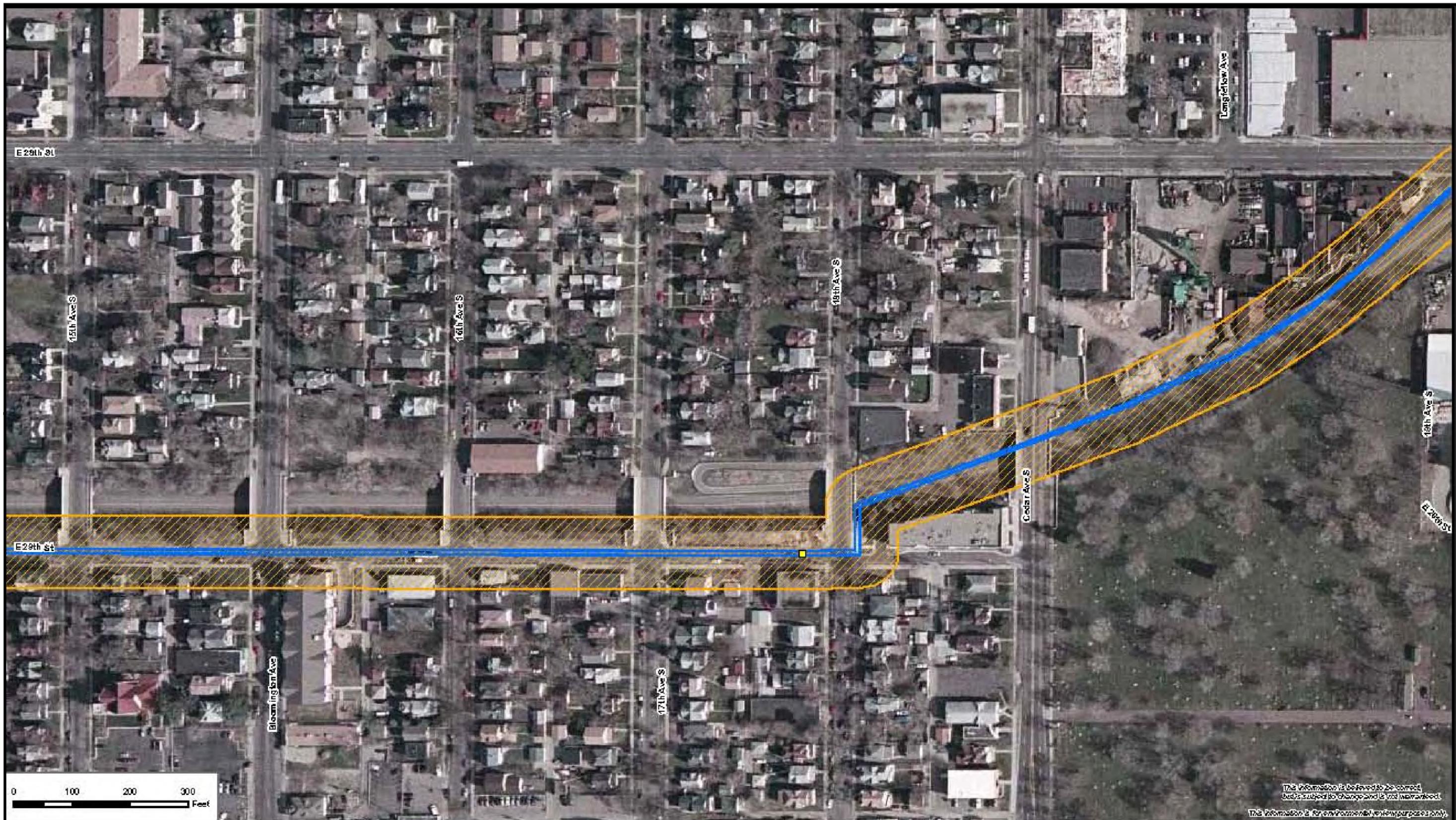


Image Source: Xcel Energy

- Transmission Structure without Distribution Underbuild
- Transmission Line
- Route

Route Width = 125 feet  
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**Substations**

- |   |  |
|---|--|
| <span style="background-color: orange; width: 15px; height: 10px; display: inline-block;"></span> Mt-28N  | <span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span> Mt-28S                    |
| <span style="background-color: yellow; width: 15px; height: 10px; display: inline-block;"></span> G-5     | <span style="background-color: orange; width: 15px; height: 10px; display: inline-block;"></span> Midtown North            |
| <span style="background-color: blue; width: 15px; height: 10px; display: inline-block;"></span> G-4       | <span style="background-color: red; width: 15px; height: 10px; display: inline-block;"></span> Midtown South               |
| <span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span> G-3     | <span style="background-color: pink; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha West              |
| <span style="background-color: lightgreen; width: 15px; height: 10px; display: inline-block;"></span> G-2 | <span style="background-color: lightyellow; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha East       |
| <span style="background-color: brown; width: 15px; height: 10px; display: inline-block;"></span> G-1      | <span style="background-color: cyan; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha Planned Expansion |

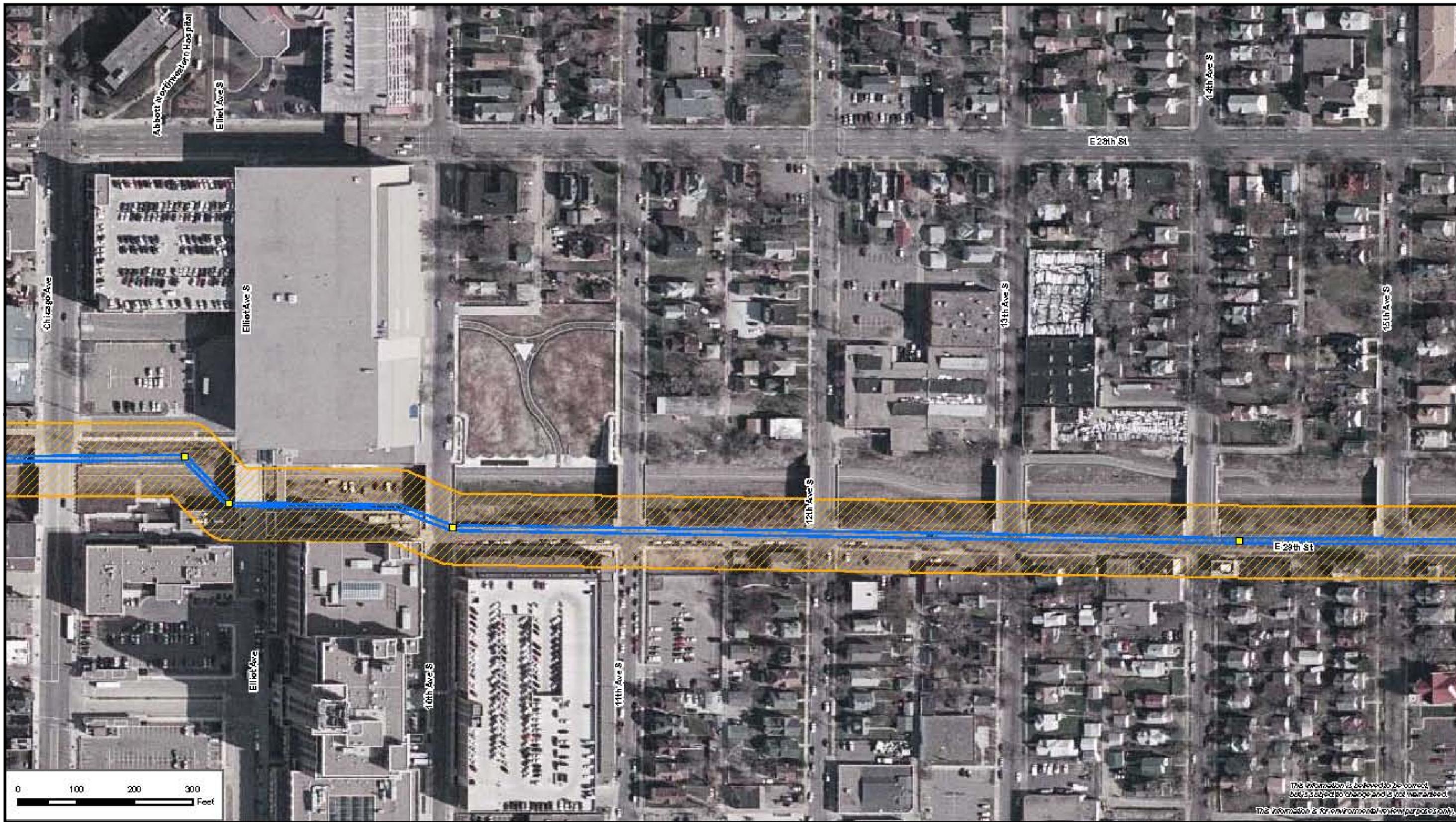


**Appendix B.3.2  
Route A Underground**

Hiawatha Transmission Line  
Xcel Energy  
Minneapolis, Minnesota

January 2010

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**Substations**

- |   |  |
|---|--|
| <span style="background-color: orange; width: 15px; height: 10px; display: inline-block;"></span> Mt-28N  | <span style="background-color: green; width: 15px; height: 10px; display: inline-block;"></span> Mt-28S                    |
| <span style="background-color: yellow; width: 15px; height: 10px; display: inline-block;"></span> G-5     | <span style="background-color: orange; width: 15px; height: 10px; display: inline-block;"></span> Midtown North            |
| <span style="background-color: blue; width: 15px; height: 10px; display: inline-block;"></span> G-4       | <span style="background-color: red; width: 15px; height: 10px; display: inline-block;"></span> Midtown South               |
| <span style="background-color: purple; width: 15px; height: 10px; display: inline-block;"></span> G-3     | <span style="background-color: pink; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha West              |
| <span style="background-color: lightgreen; width: 15px; height: 10px; display: inline-block;"></span> G-2 | <span style="background-color: olive; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha East             |
| <span style="background-color: maroon; width: 15px; height: 10px; display: inline-block;"></span> G-1     | <span style="background-color: cyan; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha Planned Expansion |



**Appendix B.3.3  
Route A Underground**

Hiawatha Transmission Line  
Xcel Energy  
Minneapolis, Minnesota

January 2010

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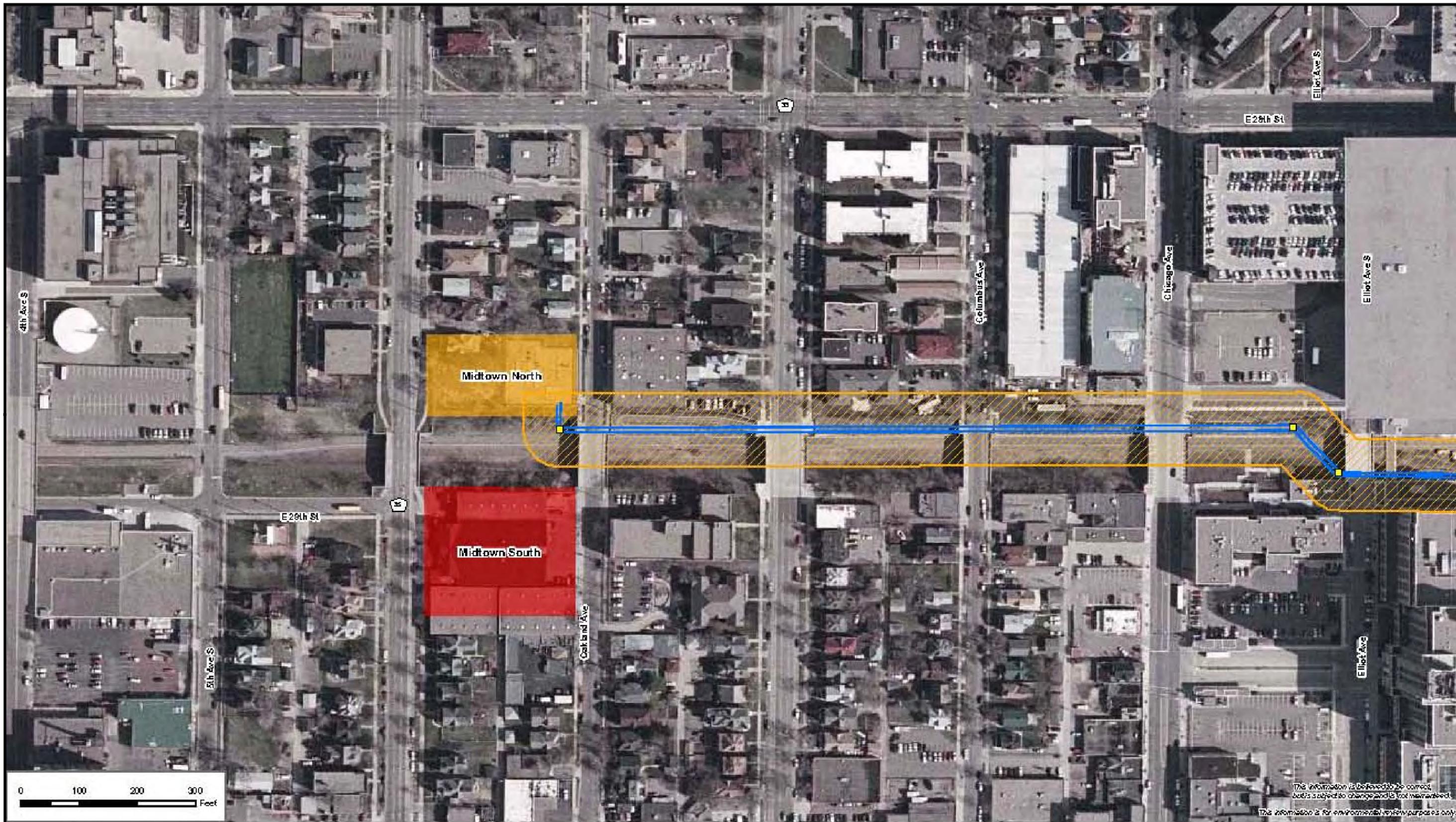


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- Transmission Structure without Distribution Underbuild
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- Route

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**Substations**

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|---|---|
| <span style="background-color: yellow; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Mt-28N | <span style="background-color: green; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Mt-28S                    |
| <span style="background-color: orange; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> G-5    | <span style="background-color: red; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Midtown North               |
| <span style="background-color: purple; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> G-4    | <span style="background-color: red; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Midtown South               |
| <span style="background-color: blue; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> G-3      | <span style="background-color: purple; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha West            |
| <span style="background-color: green; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> G-2     | <span style="background-color: olive; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha East             |
| <span style="background-color: red; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> G-1       | <span style="background-color: cyan; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Hiawatha Planned Expansion |



**Appendix B.3.4  
Route A Underground**

Hiawatha Transmission Line  
Xcel Energy  
Minneapolis, Minnesota

January 2010

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