APPENDIX

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AREA B – NORTH/SOUTH STREETS
EXISTING LIGHT LEVELS VERSUS
PROPOSED CRITERIA
17th St - Average Illuminance from Existing Lighting

Grady Ave - End of S/W  Grady Ave - Gordon Ave  Gordon Ave - End of S/W

Foot-Candles (fc)

17th St NW Horizontal Uniformity from Existing Lighting

Grady Ave - End of S/W  Grady Ave - Gordon Ave  Gordon Ave - End of S/W

Uniformity (Average/Minimum)

17th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Local
Pedestrian Activity: High

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
17th St NW - Northbound Min. Vertical Illuminance from Existing Lighting

Foot-Candles (fc)

0.00 0.05 0.10 0.15 0.20

Grady Ave - End of S/W  Grady Ave - Gordon Ave  Gordon Ave - End of S/W

17th St NW - Southbound Min. Vertical Illuminance from Existing Lighting

Foot-Candles (fc)

0.00 0.05 0.10 0.15 0.20

Grady Ave - End of S/W  Grady Ave - Gordon Ave  Gordon Ave - End of S/W

**17th St NW**

Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Local
Pedestrian Activity: High

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
16th St - Average Illuminance from Existing Lighting

16th St NW - Horizontal Uniformity from Existing Lighting

16th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: High

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
16th St NW - Northbound Min. Vertical Illuminance from Existing Lighting

Foot-Candles (fc)

Grady Ave - Gordon Ave  Beginning of S/W - Gordon Ave

16th St NW - Southbound Min. Vertical Illuminance from Existing Lighting

Foot-Candles (fc)

Grady Ave - Gordon Ave  Beginning of S/W - Gordon Ave

16th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: High

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
15th St NW - Average Illuminance from Existing Lighting

**Criteria**
- 15th St NW
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential
- Functional Classification: Local
- Pedestrian Activity: High

**Foot-Candles (fc)**
- East side of S/W
- West side of S/W

*Graph showing average illuminance levels along 15th St NW.*
15th St NW - Horizontal Uniformity from Existing Lighting

Uniformity (Average/Minimum)

15th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: High

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
15th St NW - Northbound Min. Vertical Illuminance from Existing Lighting

**Criteria**
- 15th St NW
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential
- Functional Classification: Local
- Pedestrian Activity: High

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
15th St NW - Southbound Min. Vertical Illuminance from Existing Lighting

**Criteria**
- 15th St NW
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential
- Functional Classification: Local
- Pedestrian Activity: High

**Note:**
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
14th St NW - Average Illuminance from Existing Lighting

**Criteria**
- **14th St NW**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential, Commercial
- Functional Classification: Major Collector
- Pedestrian Activity: High, Medium, Low

**Graph Details**
- **Foot-Candles (fc)**
- **14th St NW**
- East side of S/W
- West Side of S/W

**Legend**
- Blue: East side of S/W
- Orange: West Side of S/W
14th St NW - Horizontal Uniformity from Existing Lighting

**Criteria (Not to Exceed)**

- 14th St NW
  - Sidewalk Width: 5ft
  - Adjacent Land Use: Residential, Commercial
  - Functional Classification: Major Collector
  - Pedestrian Activity: High, Medium, Low

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
Foot-Candles (fc)

14th St NW - Northbound Min. Vertical Illuminance from Existing Lighting

Criteria

14th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Major Collector
Pedestrian Activity: High, Medium, Low
Foot-Candles (fc)

14th St NW - Southbound Min. Vertical Illuminance from Existing Lighting

Criteria

14th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Major Collector
Pedestrian Activity: High, Medium, Low
13th St NW - Average Illuminance from Existing Lighting

Criteria
13th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Local, Major Collector
Pedestrian Activity: Medium, Low
13th St NW - Horizontal Uniformity from Existing Lighting

Criteria (Not to Exceed)
- 13th St NW
  - Sidewalk Width: 5ft
  - Adjacent Land Use: Residential, Commercial
  - Functional Classification: Local, Major Collector
  - Pedestrian Activity: Medium, Low

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
13th St NW - Northbound Min. Vertical Illuminance from Existing Lighting

Criteria

13th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Local, Major Collector
Pedestrian Activity: Medium, Low

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
13th St NW - Southbound Min. Vertical Illuminance from Existing Lighting

13th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Local, Major Collector
Pedestrian Activity: Medium, Low

Foot-Candles (fc)

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
12th 1/2 St - Average Illuminance from Existing Lighting

- Wertland St - W Main St
- Wertland St - W Main St

Foot-Candles (fc)

- Criteria

12th 1/2 St NW - Horizontal Uniformity from Existing Lighting

- Wertland St - W Main St
- Wertland St - W Main St

Uniformity (Average/Minimum)

- Criteria (Not to Exceed)

12th 1/2 St NW
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential, School
- Functional Classification: Local
- Pedestrian Activity: Medium

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12th 1/2 St NW - Northbound Min. Vertical Illuminance from Existing Lighting

12th 1/2 St NW - Southbound Min. Vertical Illuminance from Existing Lighting

12th 1/2 St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, School
Functional Classification: Local
Pedestrian Activity: Medium
12th St - Average Illuminance from Existing Lighting

Criteria

12th St NW - Horizontal Uniformity from Existing Lighting

Criteria (Not to Exceed)

12th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Local
Pedestrian Activity: Low

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
12th St NW - Northbound Min. vertical Illuminance from Existing Lighting

12th St NW - Southbound Min. vertical Illuminance from Existing Lighting

**12th St NW**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential, Commercial
- Functional Classification: Local
- Pedestrian Activity: Low

**Note:**
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
11th St - Average Illuminance from Existing Lighting

[Graph showing foot-candles (fc) on the y-axis and different streets on the x-axis. Each street has a bar chart indicating the average illuminance. The criteria line is marked at 0.50 fc.]

11th St NW - Horizontal Uniformity from Existing Lighting

[Graph showing uniformity (average/minimum) on the y-axis and different streets on the x-axis. Each street has a bar chart indicating the uniformity. The criteria line is marked at 6.00.]

11th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: Low

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
11th St NW

Sidewalk Width: 5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: Low

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
10th 1/2 St - Average Illuminance from Existing Lighting

Foot-Candles (fc)

Grady Ave - West Ave
Grady Ave - West Ave
West St - Page St
West Ave - Page St

Criteria

10th 1/2 St NW - Horizontal Uniformity from Existing Lighting

Uniformity (Average/Minimum)

Grady Ave - West Ave
Grady Ave - West Ave
West St - Page St
West Ave - Page St

Criteria (Not to Exceed)

10th 1/2 St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: Low

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
10th 1/2 St NW - Northbound Min. Vertical Illuminance from Existing Lighting

10th 1/2 St NW - Southbound Min. Vertical Illuminance from Existing Lighting

**10th 1/2 St NW**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential
- Functional Classification: Local
- Pedestrian Activity: Low

**Note:**
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
10th St NW - Average Illuminance from Existing Lighting

10th St NW
Sidewalk Width: 5ft
Adjacent Land Use: Residential, Commercial
Functional Classification: Minor Arterial  Pedestrian
Activity: Medium, Low
10th St NW - Horizontal Uniformity from Existing Lighting

**10th St NW**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential, Commercial
- Functional Classification: Minor Arterial, Pedestrian
- Activity: Medium, Low

**Criteria (Not to Exceed)**

- 10th St NW
  - Sidewalk Width: 5ft
  - Adjacent Land Use: Residential, Commercial
  - Functional Classification: Minor Arterial, Pedestrian
  - Activity: Medium, Low

Graph showing uniformity (average/minimum) for different locations along 10th St NW.
10th St NW - Northbound Min. Vertical Illuminance from Existing Lighting

**10th St NW**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential, Commercial
- Functional Classification: Minor Arterial Pedestrian
- Activity: Medium, Low

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
10th St NW - Southbound Min. Vertical Illuminance from Existing Lighting

### Criteria

1. **10th St NW**
   - Sidewalk Width: 5ft
   - Adjacent Land Use: Residential, Commercial
   - Functional Classification: Minor Arterial Pedestrian
   - Activity: Medium, Low

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
University Way - Average Illuminance from Existing Lighting

![Graph showing foot-candles (fc) for University Way.]

- **Criteria (Not to Exceed):**
  - University Cir - University Cir
  - University Cir - Lambeth Ln
  - University Cir - Rugby

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
**University Way**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential, Commercial
- Functional Classification: Other Principal Arterial
- Pedestrian Activity: Medium

*Note:*
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
**Ackley Ln - Average Illuminance from Existing Lighting**

- **Criteria**

- **Ackley Ln - Horizontal Uniformity from Existing Lighting**

- **Criteria (Not to Exceed)**

**Ackley Ln**
- Sidewalk Width: 5ft
- Adjacent Land Use: Commercial
- Functional Classification: Local
- Pedestrian Activity: High

**Note:**
1. Where no bar is shown, uniformity (average/ minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
**Ackley Ln - Northbound Min. Vertical Illuminance from Existing Lighting**

- **Foot-Candles (fc)**
  - 0.00
  - 0.05
  - 0.10
  - 0.15
  - 0.20

**Criteria**

Gordon Ave - End of S/W

1. **Ackley Ln**
   - Sidewalk Width: 5ft
   - Adjacent Land Use: Commercial
   - Functional Classification: Local
   - Pedestrian Activity: High

**Note:**
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
Minor Ct Ln - Average Illuminance from Existing Lighting

No s/w on the East side of Minor Ct Ln.

Minor Ct Ln - Horizontal Uniformity from Existing Lighting

No s/w on the East side of Minor Ct Ln.

**Minor Ct LN**
- Sidewalk Width: 4.5ft
- Adjacent Land Use: Residential
- Functional Classification: Local
- Pedestrian Activity: High
Minor Ct Ln - Northbound Min. Vertical Illuminance from Existing Lighting

Minor Ct Ln - Southbound Min. Vertical Illuminance from Existing Lighting

Minor Ct Ln
Sidewalk Width: 4.5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: High

No s/w on the East side of Minor Ct Ln.
**Elliewood Ave - Average Illuminance from Existing Lighting**

- **Foot-Candles (fc)**
  - **Criteria**: 1.00

**Elliewood Ave - Horizontal Uniformity from Existing Lighting**

- **Uniformity (Average/Minimum)**
  - **Criteria (Not to Exceed)**: 5.00

**Elliewood Ave**

- **Sidewalk Width**: 5ft
- **Adjacent Land Use**: Residential, University
- **Functional Classification**: Local
- **Pedestrian Activity**: High

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Elliewood Ave - Northbound Min. Vertical Illuminance from Existing Lighting

Elliewood Ave - Southbound Min. Vertical Illuminance from Existing Lighting

**Elliewood Ave**

- Sidewalk Width: 5ft
- Adjacent Land Use: Residential, University
- Functional Classification: Local
- Pedestrian Activity: High

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
Chancellor St - Average Illuminance from Existing Lighting

Chancellor St - Horizontal Uniformity from Existing Lighting

**Chancellor St**
Sidewalk Width: 5ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: High

Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
Chancellor St - Northbound Min. Vertical Illuminance from Existing Lighting

Chancellor St - Southbound Min. Vertical Illuminance from Existing Lighting

**Chancellor St**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential
- Functional Classification: Local
- Pedestrian Activity: High

**Criteria**

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
Note:
1. Where no bar is shown, uniformity (average/minimum) is not within proposed criteria and cannot be calculated due to 0.00 fc minimum.
Madison Ln - Northbound Min. Vertical Illuminance from Existing Lighting

Madison Ln - Southbound Min. Vertical Illuminance from Existing Lighting

**Madison Ln**
- Sidewalk Width: 5ft
- Adjacent Land Use: Residential
- Functional Classification: Local
- Pedestrian Activity: High

Note:
1. Where no bar is shown, minimum vertical value of 0.00 fc was recorded.
Rugby Rd - Average Illuminance from Existing Lighting

- Grady Ave - Gordon Ave: 0.40
- University Cir - Lambeth Ln: 0.40
- Gordon Ave - Lambeth Ln: 1.00
- Lambeth Ln - Culbreth Rd: 1.20

Criteria: 1.00

Rugby Rd - Horizontal Uniformity from Existing Lighting

- Grady Ave - Gordon Ave: 6.00
- University Cir - Lambeth Ln: 11.00
- Gordon Ave - Lambeth Ln: 8.00
- Lambeth Ln - Culbreth Rd: 4.00

Criteria (Not to Exceed): 4.00

Rugby Rd
Sidewalk Width: 6ft
Adjacent Land Use: Residential
Functional Classification: Local
Pedestrian Activity: High