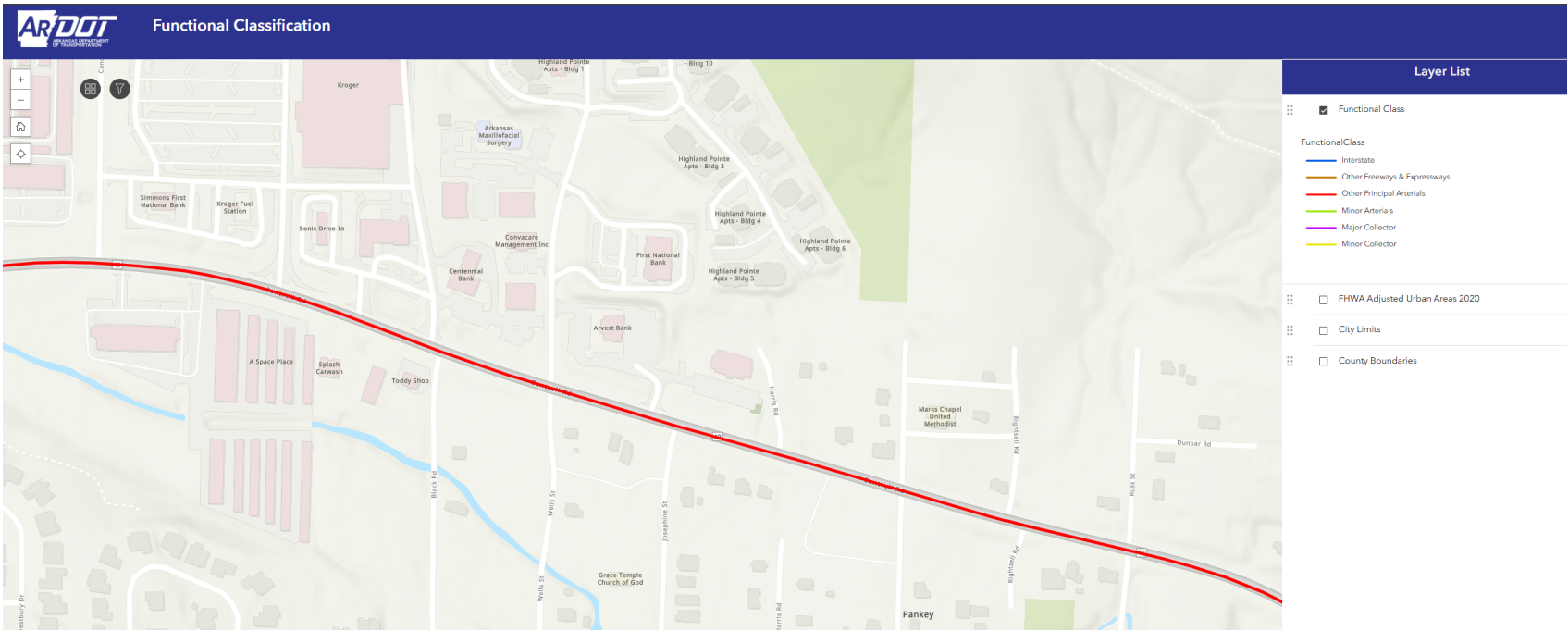
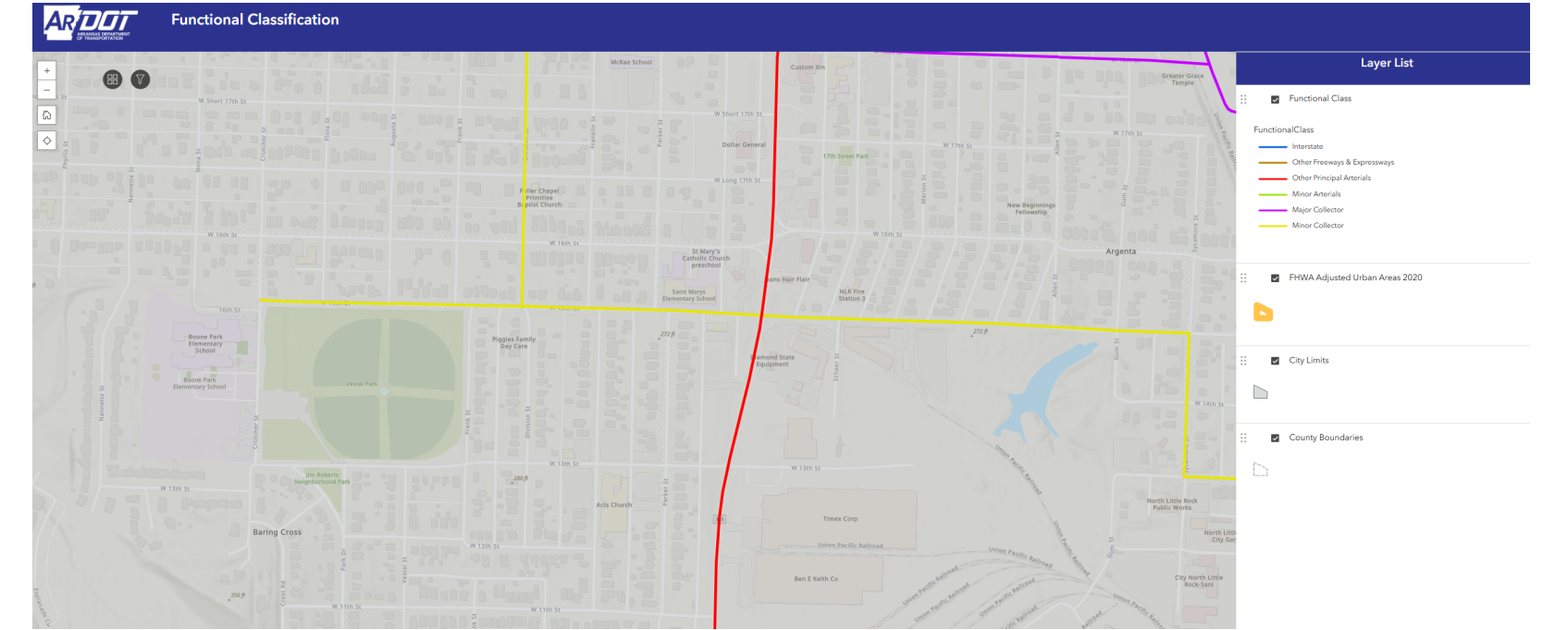
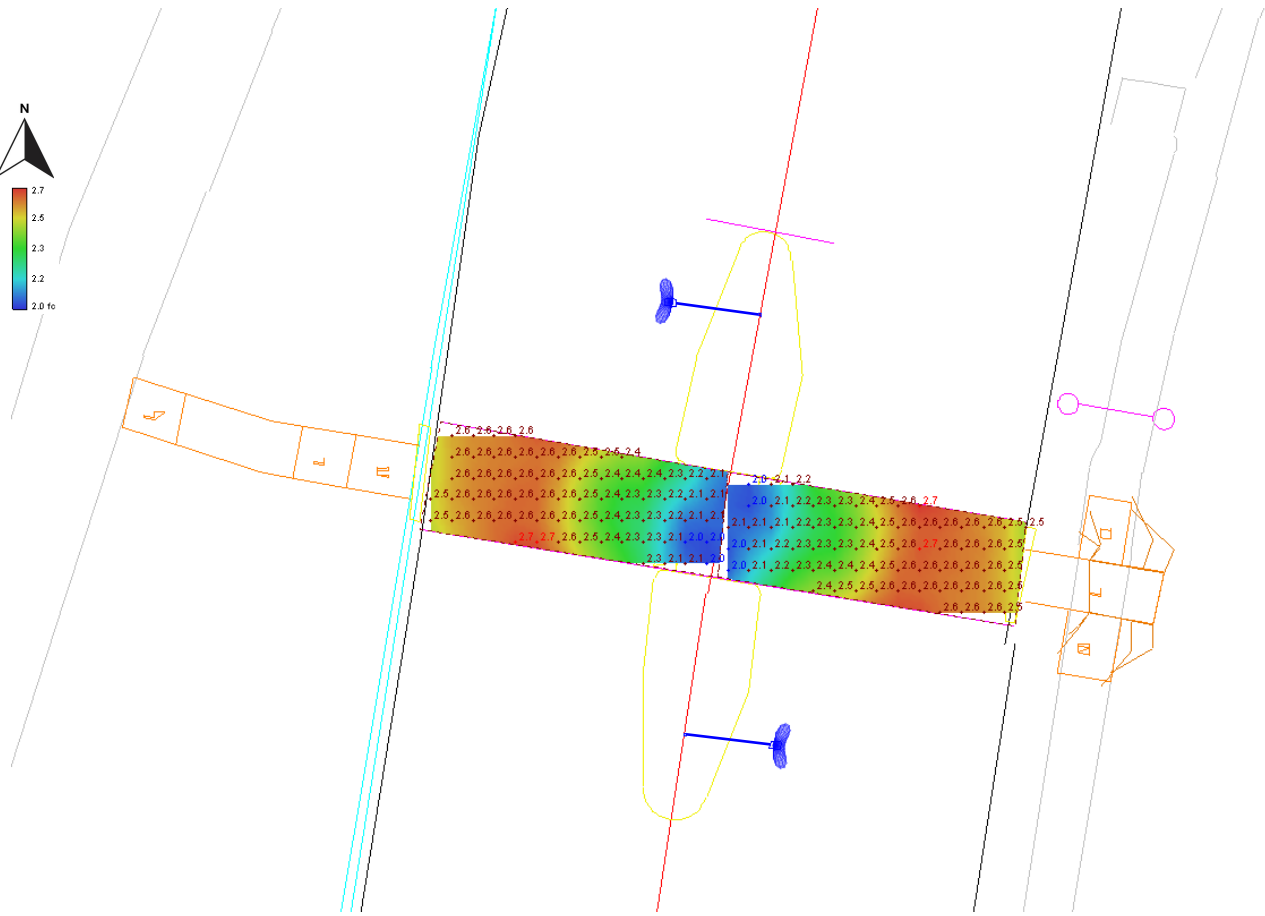
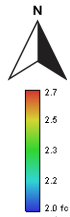




| Source: RP-8-14, Table 8 - Illumination for Intersections |                                                                                         |          |           |                                    |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------|----------|-----------|------------------------------------|
| Functional Classification                                 | Average Maintained Illumination at Pavement by Pedestrian Area Classification in Lux/fc |          |           | E <sub>avg</sub> /E <sub>min</sub> |
|                                                           | High                                                                                    | Medium   | Low       |                                    |
| Major/Major                                               | 34.0/3.4                                                                                | 26.0/2.6 | 18.0/1.80 | 3.0                                |
| Major/Collector                                           | 29.0/2.9                                                                                | 22.0/2.2 | 15.0/1.5  | 3.0                                |
| Major/Local                                               | 26.0/2.6                                                                                | 20.0/2.0 | 13.0/1.3  | 3.0                                |
| Collector/Collector                                       | 24.0/2.4                                                                                | 18.0/1.8 | 12.0/1.2  | 4.0                                |
| Collector/Local                                           | 21.0/2.1                                                                                | 16.0/1.6 | 10.0/1.0  | 4.0                                |
| Local/Local                                               | 18.0/1.8                                                                                | 14.0/1.4 | 8.0/0.8   | 6.0                                |

Note: Vertical illuminance levels to meet or exceed horizontal illuminance thresholds above, per RP-8-14 recommendations.





NB Rte 365 Horiz Illum Calc Zone

|             |       |    |
|-------------|-------|----|
| Average     | 2.4   | fc |
| Maximum     | 2.7   | fc |
| Minimum     | 2.0   | fc |
| Max/Min     | 1.4:1 |    |
| Average/Min | 1.2:1 |    |

NB X - Walk Vert @ 7' Plane

|             |       |    |
|-------------|-------|----|
| Average     | 2.0   | fc |
| Maximum     | 3.1   | fc |
| Minimum     | 1.1   | fc |
| Max/Min     | 2.8:1 |    |
| Average/Min | 1.8:1 |    |

SB Rte 365 Horiz Illum Calc Zone

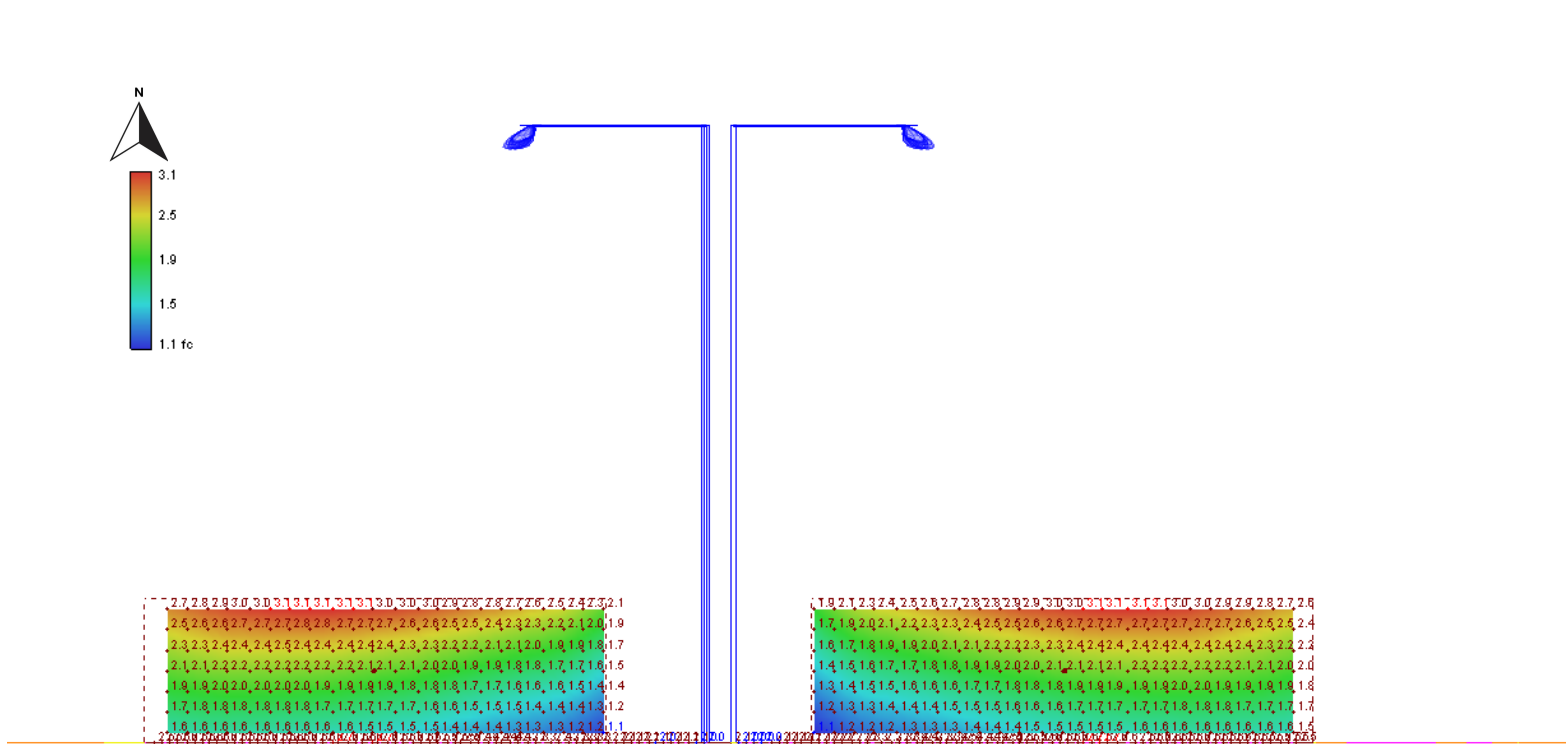
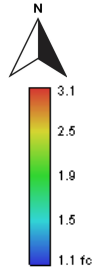
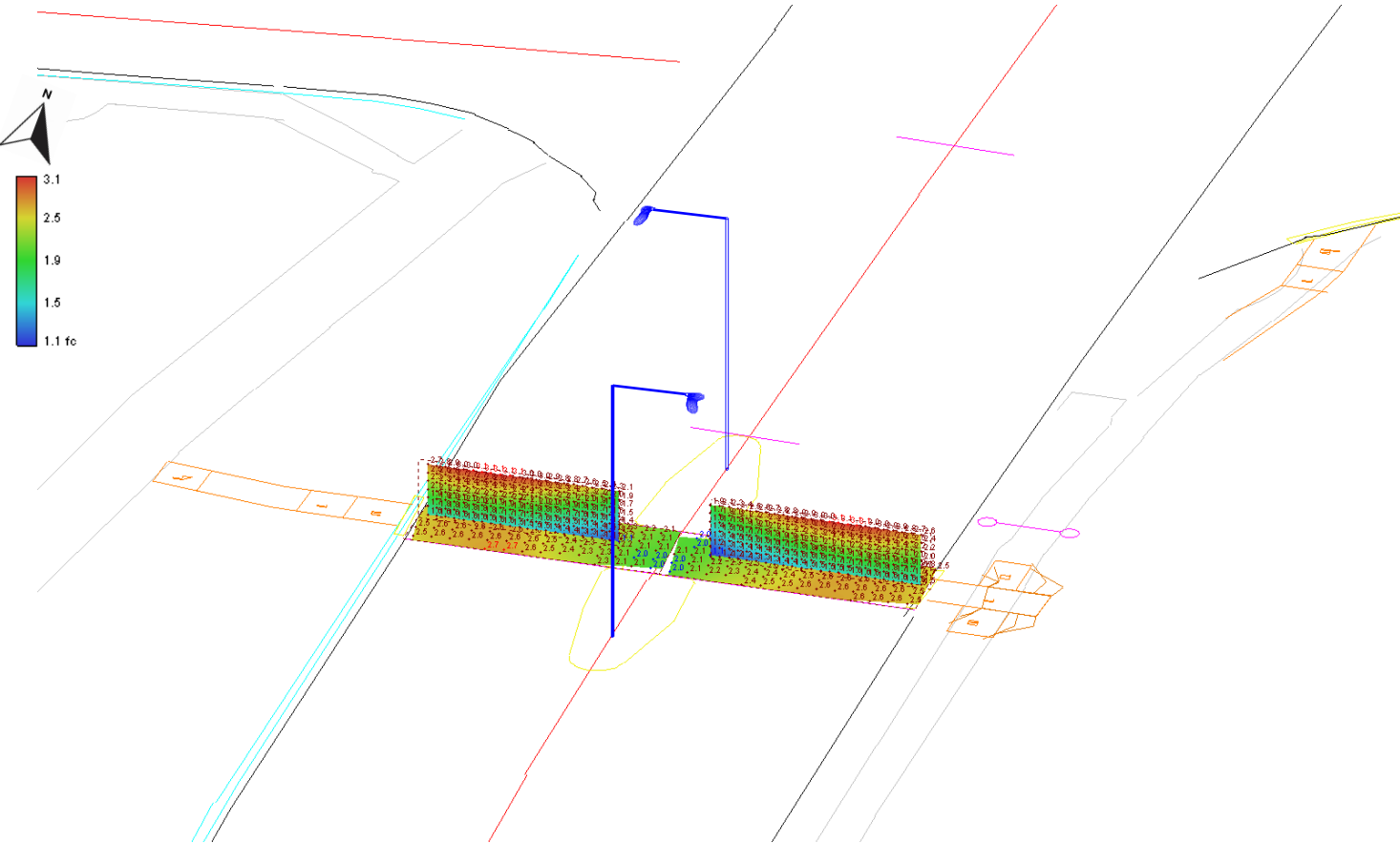
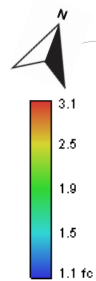
|             |       |    |
|-------------|-------|----|
| Average     | 2.4   | fc |
| Maximum     | 2.7   | fc |
| Minimum     | 2.0   | fc |
| Max/Min     | 1.4:1 |    |
| Average/Min | 1.2:1 |    |

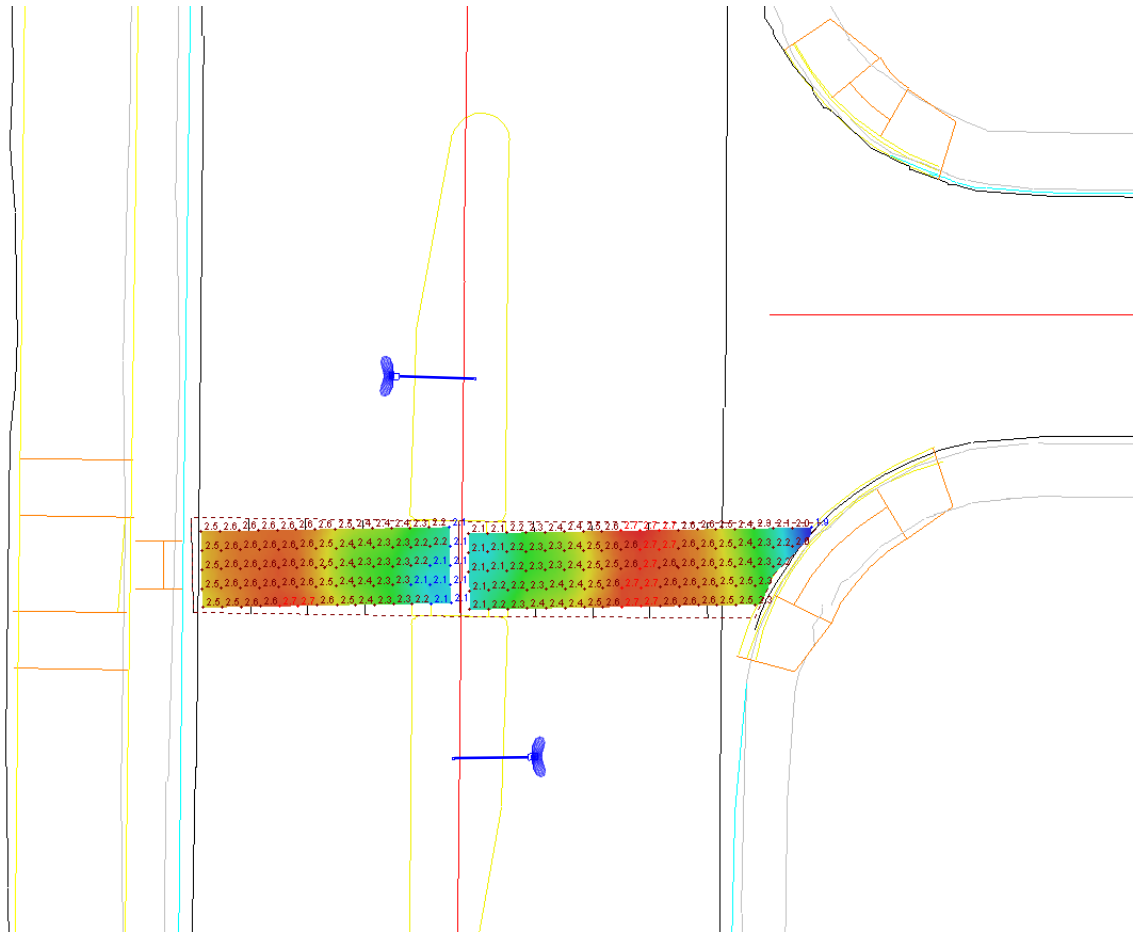
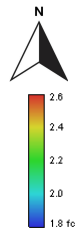
SB X - Walk Vert @ 7' Plane

|             |       |    |
|-------------|-------|----|
| Average     | 2.1   | fc |
| Maximum     | 3.1   | fc |
| Minimum     | 1.1   | fc |
| Max/Min     | 2.8:1 |    |
| Average/Min | 1.9:1 |    |

| Source: RP-8-14, Table 8 - Illumination for Intersections |                                                                                         |          |           |                                    |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------|----------|-----------|------------------------------------|
| Functional Classification                                 | Average Maintained Illumination at Pavement by Pedestrian Area Classification in Lux/fc |          |           | E <sub>avg</sub> /E <sub>min</sub> |
|                                                           | High                                                                                    | Medium   | Low       |                                    |
| Major/Major                                               | 34.0/3.4                                                                                | 26.0/2.6 | 18.0/1.80 | 3.0                                |
| Major/Collector                                           | 29.0/2.9                                                                                | 22.0/2.2 | 15.0/1.5  | 3.0                                |
| Major/Local                                               | 26.0/2.6                                                                                | 20.0/2.0 | 13.0/1.3  | 3.0                                |
| Collector/Collector                                       | 24.0/2.4                                                                                | 18.0/1.8 | 12.0/1.2  | 4.0                                |
| Collector/Local                                           | 21.0/2.1                                                                                | 16.0/1.6 | 10.0/1.0  | 4.0                                |
| Local/Local                                               | 18.0/1.8                                                                                | 14.0/1.4 | 8.0/0.8   | 6.0                                |

Note: Vertical illuminance levels to meet or exceed horizontal illuminance thresholds above, per RP-8-14 recommendations.

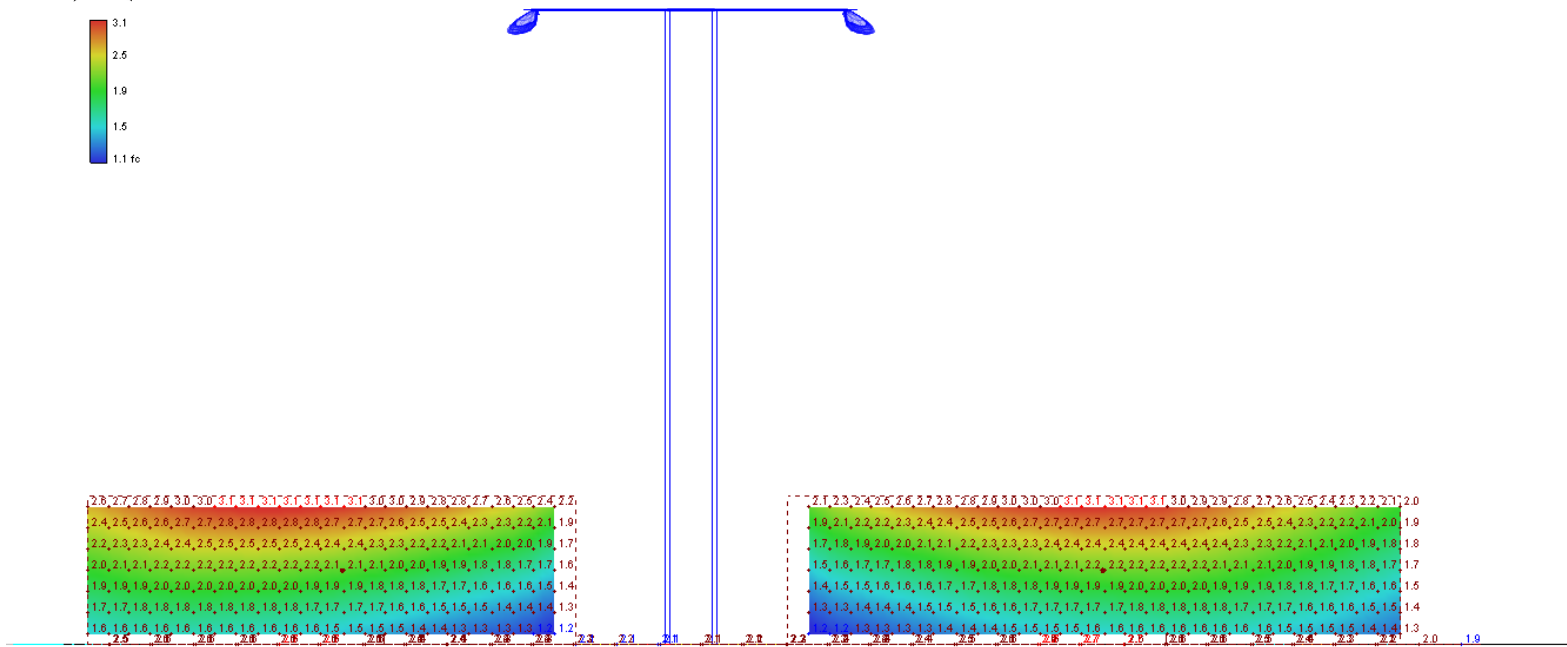
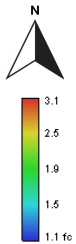
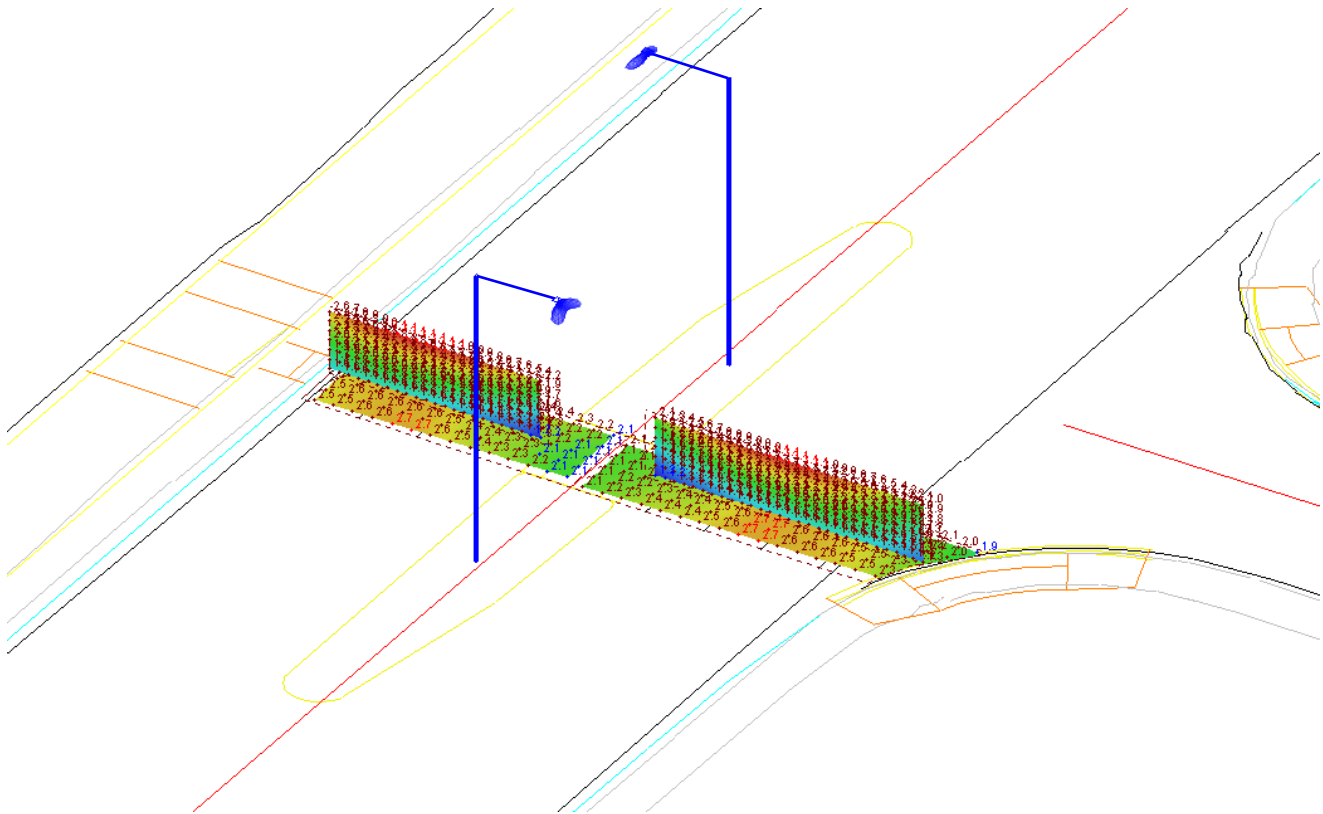
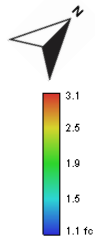




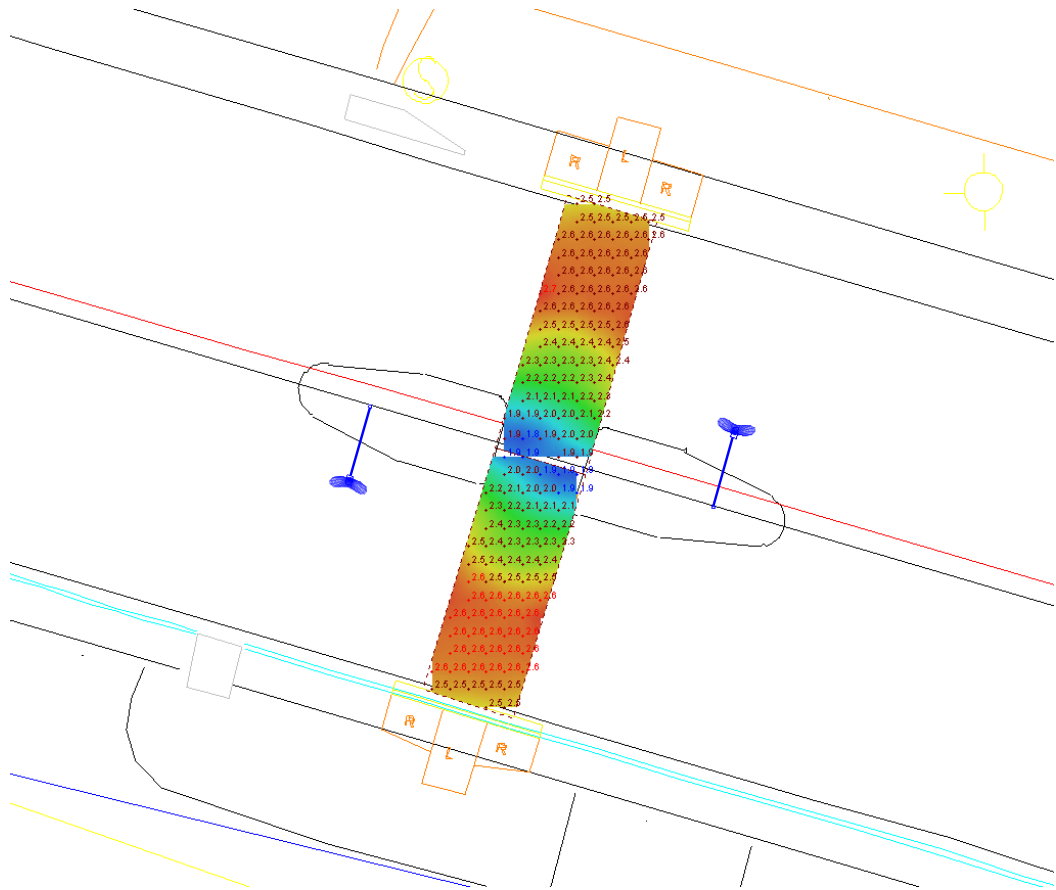
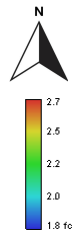
|                                  |       |    |  |
|----------------------------------|-------|----|--|
| NB X-Walk Vert @ 7' Plane        |       |    |  |
| Average                          | 2.0   | fc |  |
| Maximum                          | 3.1   | fc |  |
| Minimum                          | 1.2   | fc |  |
| Max/Min                          | 2.6:1 |    |  |
| Average/Min                      | 1.7:1 |    |  |
| NB Rte 365 Horiz Illum Calc Zone |       |    |  |
| Average                          | 2.4   | fc |  |
| Maximum                          | 2.7   | fc |  |
| Minimum                          | 1.9   | fc |  |
| Max/Min                          | 1.4:1 |    |  |
| Average/Min                      | 1.3:1 |    |  |
| SB Rte 365 Horiz Illum Calc Zone |       |    |  |
| Average                          | 2.4   | fc |  |
| Maximum                          | 2.7   | fc |  |
| Minimum                          | 2.1   | fc |  |
| Max/Min                          | 1.3:1 |    |  |
| Average/Min                      | 1.1:1 |    |  |
| SB X-Walk Vert @ 7' Plane        |       |    |  |
| Average                          | 2.1   | fc |  |
| Maximum                          | 3.1   | fc |  |
| Minimum                          | 1.2   | fc |  |
| Max/Min                          | 2.6:1 |    |  |
| Average/Min                      | 1.8:1 |    |  |

| Source: RP-8-14, Table 8 - Illumination for Intersections |                                                                                          |          |           |                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------|----------|-----------|------------------------------------|
| Functional Classification                                 | Average Maintained Illumination at Pavement by Pedestrian Area Classification in Lux/ftc |          |           | E <sub>avg</sub> /E <sub>min</sub> |
|                                                           | High                                                                                     | Medium   | Low       |                                    |
| Major/Major                                               | 34.0/3.4                                                                                 | 26.0/2.6 | 18.0/1.80 | 3.0                                |
| Major/Collector                                           | 29.0/2.9                                                                                 | 22.0/2.2 | 15.0/1.5  | 3.0                                |
| Major/Local                                               | 26.0/2.6                                                                                 | 20.0/2.0 | 13.0/1.3  | 3.0                                |
| Collector/Collector                                       | 24.0/2.4                                                                                 | 18.0/1.8 | 12.0/1.2  | 4.0                                |
| Collector/Local                                           | 21.0/2.1                                                                                 | 16.0/1.6 | 10.0/1.0  | 4.0                                |
| Local/Local                                               | 18.0/1.8                                                                                 | 14.0/1.4 | 8.0/0.8   | 6.0                                |

Note: Vertical illuminance levels to meet or exceed horizontal illuminance thresholds above, per RP-8-14 recommendations.







EB Rte 10 Horiz Illum Calc Zone

|             |       |    |
|-------------|-------|----|
| Average     | 2.4   | fc |
| Maximum     | 2.6   | fc |
| Minimum     | 1.9   | fc |
| Max/Min     | 1.4:1 |    |
| Average/Min | 1.3:1 |    |

EB X - Walk Vert @ 7' Plane

|             |       |    |
|-------------|-------|----|
| Average     | 2.0   | fc |
| Maximum     | 3.1   | fc |
| Minimum     | 1.1   | fc |
| Max/Min     | 2.8:1 |    |
| Average/Min | 1.8:1 |    |

WB Rte 10 Horiz Illum Calc Zone

|             |       |    |
|-------------|-------|----|
| Average     | 2.4   | fc |
| Maximum     | 2.7   | fc |
| Minimum     | 1.8   | fc |
| Max/Min     | 1.5:1 |    |
| Average/Min | 1.3:1 |    |

WB X - Walk Vert @ 7' Plane

|             |       |    |
|-------------|-------|----|
| Average     | 2.0   | fc |
| Maximum     | 3.1   | fc |
| Minimum     | 1.1   | fc |
| Max/Min     | 2.8:1 |    |
| Average/Min | 1.8:1 |    |

| Source: RP-8-14, Table 8 - Illumination for Intersections |                                                                                         |          |           |                                    |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------|----------|-----------|------------------------------------|
| Functional Classification                                 | Average Maintained Illumination at Pavement by Pedestrian Area Classification in Lux/fc |          |           | E <sub>avg</sub> /E <sub>min</sub> |
|                                                           | High                                                                                    | Medium   | Low       |                                    |
| Major/Major                                               | 34.0/3.4                                                                                | 26.0/2.6 | 18.0/1.80 | 3.0                                |
| Major/Collector                                           | 29.0/2.9                                                                                | 22.0/2.2 | 15.0/1.5  | 3.0                                |
| Major/Local                                               | 26.0/2.6                                                                                | 20.0/2.0 | 13.0/1.3  | 3.0                                |
| Collector/Collector                                       | 24.0/2.4                                                                                | 18.0/1.8 | 12.0/1.2  | 4.0                                |
| Collector/Local                                           | 21.0/2.1                                                                                | 16.0/1.6 | 10.0/1.0  | 4.0                                |
| Local/Local                                               | 18.0/1.8                                                                                | 14.0/1.4 | 8.0/0.8   | 6.0                                |

Note: Vertical illuminance levels to meet or exceed horizontal illuminance thresholds above, per RP-8-14 recommendations.

