

Light Fixture Selection

Jack Siegel Memorial Plaza

Proposed Fixture – August 2021



- "Knight Pedestrian" Light Fixtures by Forms+Surfaces
- Would match the existing fixture at memorial bench
- Further design and researched after Committee approvals determined that these fixtures do not throw much light into the area
- 17 fixtures would be needed to properly light the plaza with foot candles, with the target range of 1 F.C. to 5 F.C.
- Permit review determined that even with the 17 new fixtures, lighting levels were still not adequate on the stairs down to the pond (less than 1 F.C. in that area).
- The proposed change order from F. H. Paschen for these fixtures was \$121,000.

Proposed Fixture – August 2021



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
East Walkway	+	6.4 fc	15.5 fc	0.8 fc	19.4:1	8.0:1
NE Pergola	+	2.7 fc	6.5 fc	0.6 fc	10.8:1	4.5:1
North center	+	1.9 fc	5.5 fc	0.5 fc	11.0:1	3.8:1
NW Pergola	+	3.7 fc	8.2 fc	1.0 fc	8.2:1	3.7:1
Plaza	+	4.3 fc	11.3 fc	0.8 fc	14.1:1	5.4:1
Ramp1	+	0.9 fc	1.9 fc	0.4 fc	4.8:1	2.3:1
Ramp2	+	3.2 fc	4.2 fc	2.0 fc	2.1:1	1.6:1
Ramp3	+	3.8 fc	5.0 fc	1.0 fc	5.0:1	3.8:1
Ramp4	+	1.9 fc	4.5 fc	0.6 fc	7.5:1	3.2:1
Ramp5	+	1.0 fc	1.7 fc	0.6 fc	2.8:1	1.7:1
Ramp6	+	1.3 fc	2.4 fc	0.6 fc	4.0:1	2.2:1
Ramp7	+	0.9 fc	1.2 fc	0.8 fc	1.5:1	1.1:1
stair 1	+	0.6 fc	1.2 fc	0.4 fc	3.0:1	1.5:1
stair 2	+	0.6 fc	1.1 fc	0.4 fc	2.8:1	1.5:1
stair 3	+	0.6 fc	1.0 fc	0.4 fc	2.5:1	1.5:1
stair 4	+	0.6 fc	0.9 fc	0.4 fc	2.3:1	1.5:1
stair 5	+	0.7 fc	1.0 fc	0.5 fc	2.0:1	1.4:1
stair 5	+	0.7 fc	1.1 fc	0.5 fc	2.2:1	1.4:1
stair 6	+	0.8 fc	1.6 fc	0.5 fc	3.2:1	1.6:1
Stair landing	+	0.7 fc	1.6 fc	0.2 fc	8.0:1	3.5:1
West walkway	+	2.9 fc	5.8 fc	0.9 fc	6.4:1	3.2:1

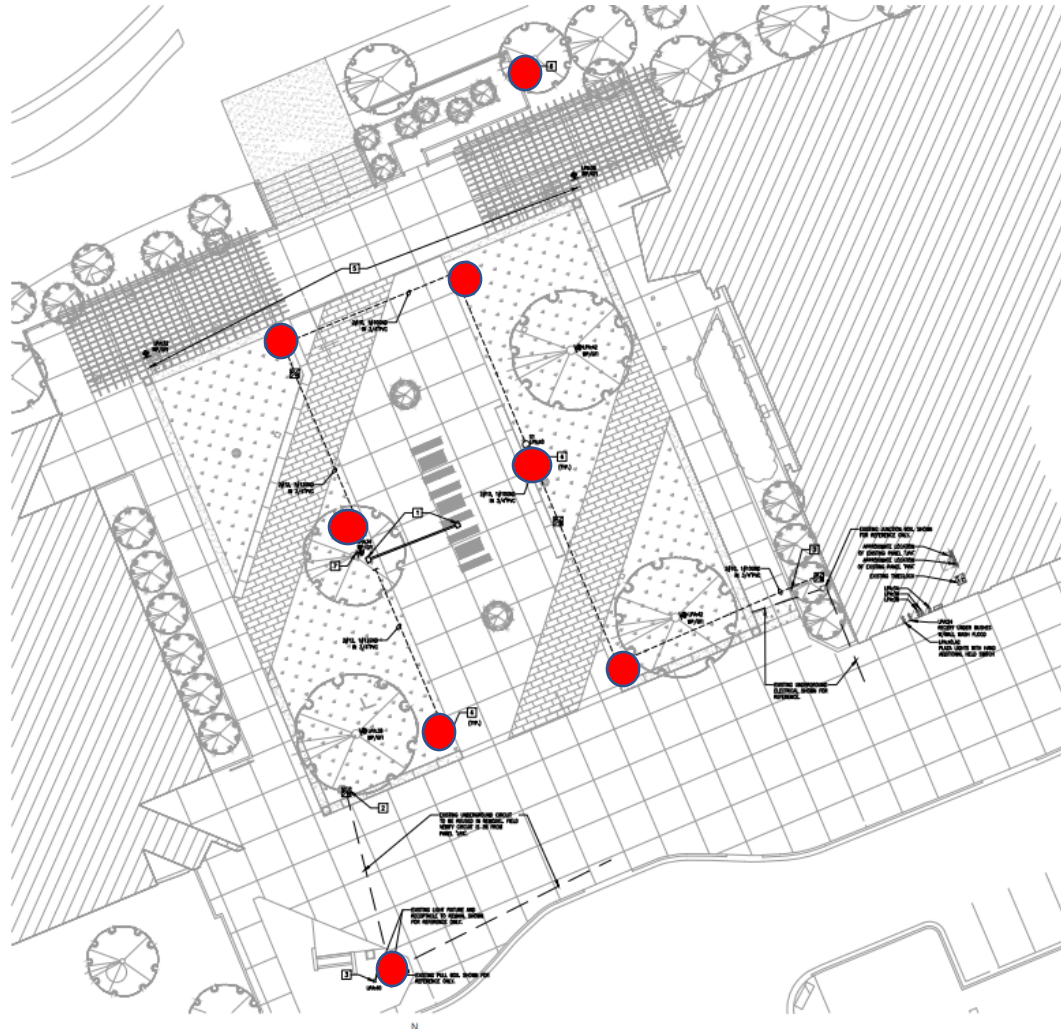
● One "Knight Pedestrian" Light Fixture

Selected Fixture – October 2021



- "Ouro " Light Fixtures by KIMLIGHTING by Hubbell
- 8 fixtures would be needed to properly light the plaza with foot candles, with the target range of 1F.C. to 5 F.C.
- With these fixtures, permit review team indicated that the lighting levels were adequate on the stairs down to the pond (more that 1 F.C. in that area).
- The existing "Knight" fixture at memorial bench would also be replaced as part of this change order to provide a cohesive look to the plaza.
- The proposed change order from F. H. Paschen for these fixtures was \$53,435.

Selected Fixture – October 2021



Description	Symbol	Statistics				
		Avg	Max	Min	Max/Min n	Avg/Min
East Walkway	+	4.6 fc	13.5 fc	0.4 fc	33.8:1	11.5:1
NE Pergola	+	2.2 fc	3.9 fc	0.3 fc	13.0:1	7.3:1
North center	+	3.2 fc	4.2 fc	2.2 fc	1.9:1	1.5:1
NW Pergola	+	3.0 fc	4.4 fc	2.1 fc	2.1:1	1.4:1
Plaza	+	3.7 fc	6.7 fc	1.2 fc	5.6:1	3.1:1
Ramp1	+	2.3 fc	2.5 fc	2.1 fc	1.2:1	1.1:1
Ramp2	+	2.2 fc	2.3 fc	2.0 fc	1.2:1	1.1:1
Ramp3	+	2.2 fc	2.3 fc	2.1 fc	1.1:1	1.0:1
Ramp4	+	1.9 fc	2.2 fc	1.8 fc	1.2:1	1.1:1
Ramp5	+	1.7 fc	1.9 fc	1.5 fc	1.3:1	1.1:1
Ramp6	+	2.4 fc	3.6 fc	1.5 fc	2.4:1	1.6:1
Ramp7	+	2.3 fc	2.7 fc	2.1 fc	1.3:1	1.1:1
stair 1	+	2.1 fc	2.3 fc	2.0 fc	1.2:1	1.1:1
stair 2	+	2.0 fc	2.2 fc	1.9 fc	1.2:1	1.1:1
stair 3	+	1.9 fc	2.1 fc	1.8 fc	1.2:1	1.1:1
stair 4	+	1.8 fc	2.0 fc	1.7 fc	1.2:1	1.1:1
stair 5	+	1.8 fc	2.1 fc	1.7 fc	1.2:1	1.1:1
stair 5	+	1.8 fc	2.1 fc	1.7 fc	1.2:1	1.1:1
stair 6	+	1.9 fc	2.6 fc	1.6 fc	1.6:1	1.2:1
Stair landing	+	1.6 fc	3.1 fc	0.7 fc	4.4:1	2.3:1
West walkway	+	1.5 fc	3.3 fc	0.8 fc	4.1:1	1.9:1