

APPENDIX G

EXISTING LIGHTING CONDITION SUMMARY AND RECOMMENDATIONS

PREPARED BY SCHULER SCHOOK

2015

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2 August, 2016
Peavey Plaza
Historic Lighting Fixtures

Based on site visits and a review of the plans and photos, the following fixture types were included as part of the original installation:

Banner Poles. The poles are 45 feet tall and include an array of light fixtures at the top. Four large cylinders conceal light fixtures that provide general illumination. The array also includes two floodlights intended to light the stage. These fixtures are concealed from view by a large metal fascia that encloses the entire array. Loudspeakers and fabric banners were also attached to the poles.

The poles and fixtures are all still in place and the cylinder housings appear to be in good shape. All of the lighting fixtures will be replaced with new fixtures featuring LED technology. The design of the Banner poles will conceal the new fixtures from view. The wiring will all be replaced, and additional lighting may be added if required.

Fountain Floodlights. Two concrete bollards with a metal cap enclose floodlight fixtures that were intended to illuminate the main part of the fountain. These bollards have deteriorated beyond repair, and will be replicated using the original design. New LED light sources will provide illumination.

Fountain Fixtures. Several watertight floodlights were included in each fountain with metal tube water features. The housing of these adjustable fixtures were cast bronze with a glass lens to permit the fixtures to operate underwater. They were mounted on a freestanding bronze base that allowed the fixtures to be positioned anywhere within the pool. None of these fixtures have survived. Similar fixtures are manufactured, however, and the intent is to replace the fountain fixtures with new units that use LED technology.

Well Light. These fixtures were strategically located to uplight select trees. The fixtures were inserted into cylinders that were recessed into the ground beneath the trees. Many of these fixtures are still in place, however the integrity of housings are not known. They are not considered historically significant. The intent is to replace the fixtures with new units that use LED technology.

Tree Light. A series of cylinder fixtures with rigid stems were hung from tree limbs throughout the plaza. Many of these units are still in place, however, they are in poor condition.

The intent is to replicate the original fixtures using the original design. The light source for the new fixture will be LED.

Niche Light. During a visit to the site, recessed underwater niches were found in several locations that would have contained fixture intended to provide general illumination. The fixtures are shown on the electrical plans, but were not included in the architectural details. Given that the niches are cast into the concrete it is unlikely that they were added later. In any case they are not historically significant. The intent is to replace the fixtures with new LED units.

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Peavey Plaza - Initial Site Power Evaluation

Item	Description	120 Volt 20 Amp	Company Switch/Disconnect Switch	Notes
1	Site Lighting, accent, steps	18		
2	Fountain lighting	3		
3	Stage accent lighting	4		
4	Stage power - Event lighting		400A 3 phase 120/208V	
5	Stage power - audio/video	4	400A 3 phase 120/208V	
6	Stage power - convenience	4		
7	(2) small stage locations	8		
8	Vendor duplex receptacles	14		
9	Fountain pump systems		(3) 150A 3 phase 120/208V; (3) 30A 3 phase 120/208V; (1) 10A 3 phase 120/208V	1
10	Site event allowance (ice, vendor, misc)		200A 3 phase 120/208V	
	Total	55		
	*there is one existing 100 amp switch fed from Orchestra Hall, near the 11th street sign.			
Notes				
	Estimate based on information provided by Flair Fountains on the existing motors. Flair Fountains to confirm actual loads needed for new design.			
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