Hollywood Boulevard
Festoon Lighting/Landscape Enhancement/CCTV Security
Camera Poles
Update 11/2/16
**CCTV Project Coordination**

- Met Onsite to Review Proposed Camera Pole Locations on 10/5/16
- Made Minor Modifications Based on Existing Conditions
  - Utilities / Infrastructure
  - Existing Trees
  - Line of Sight
CCTV Project Coordination

- Coordinating Pole Design to Match Festoon Light Poles
- Police Dept. Project will Install Cameras, Electrical and Other System Requirements
- CRA Providing Pole Only

- Poles located to maximize sight lines of Hollywood Blvd, 21st and 20th Avenues
- CCTV Pole Locations
  - West end of median on Hollywood and 21st
  - East end of median on Hollywood and 20th
  - North end of median on 21st and Harrison
  - Northeast corner of 19th and Harrison
Arborist Evaluation

- Tree Risk Assessment conducted Feb. 3, 2016
- Methodology evaluates structural condition of trees, and potential harm if failure occurs
- Issues observed include:
  - Codominant Leaders
  - Included Bark
  - Mechanical / Pruning Wounds
  - Decay
- These are located in very high user areas
  - Shops
  - Restaurants
  - Outdoor Cafés
  - Sidewalks / Crosswalks
- Additional Concerns
  - Tree Litter
  - Some Lifting of Sidewalks and Pavers
  - Blocking of Retail Signage

February 8, 2016

Mr. Jonathan Haigh, PLA, ASLA
Kimley-Horn and Associates
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411

RE: City of Hollywood
Hollywood Boulevard

Dear Jonathan:

Last Wednesday I visited your project site in the City of Hollywood, identified as “Hollywood Boulevard and Tyler Street between 21st Avenue and Young Circle”. As specified, I performed a condition evaluation and Tree Risk Assessment for thirteen specific poinciana trees. I also identified the species and evaluated general condition of fifteen additional trees in the median.

YELOW POINCIANA TREES
You specified thirteen yellow poinciana (Delonix regia var. pterocarpum) trees (also commonly called copper pod) for me to evaluate. Using the list you provided, I numbered each tree 1 through 13 and noted their general location. I confirmed their species identification, obtained size data (trunk diameter at breast height, overall height, and crown spread), and evaluated each tree’s general condition (health and structure). Photographs of each tree are provided. If you would like me to plot them on a site map, please forward such map and I will show the approximate locations of each tree.

I also performed a Level 2 Tree Risk Assessment of each tree, using the methodology in Tree Risk Assessment, Best Management Practices (Smiley, E. Thomas, Nelda Matheny, and Sharon Lilly. 2011. International Society of Arboriculture). Risk is defined as the combination of the likelihood of an event and the severity of the potential consequences. The process of inspecting and evaluating the structural condition of trees and the harm that could occur if they fail is called a Tree Risk Assessment. Based on these definitions, the publication above provides several matrices which are used to assess tree risk. Tree risk is based on “normal” weather conditions.
Findings

• Tree Structure for 13 copper pod trees is Fair to Poor
• Risk Level Assessment is Low to High (depending on structural issues)
• Little can be done to correct codominant leaders, and other structural issues in trees this age
• Trees are nearing the end of their useful lives in this urban setting

Results

• Based upon risk assessment and evaluation of trees, decision was made to move forward with a design that included removal and replacement of trees
• Proposed trees will have instant visual and shade impact
Tridominant Leader w/ Included Bark
– Increased Likelihood of Breakage

Included Bark with Decay
– Prone to Splitting and Failure

Mechanical / Pruning wounds
– Branch Breakage

Decay Column
– Branch Breakage, Failure
What are Other Cities Doing?

Ft. Lauderdale DDA
- Manage festoon lighting on SW 2nd St
- Annual maintenance contract with vendor
- No requirements for dismantling during major storm

West Palm Beach
- Seasonal string light installation on Clematis St.
- No requirements for dismantling during major storm because of winter/spring installation

Naples
- Seasonal string and ball light installation on 5th Ave. S
- Managed by the Business Improvement District
- October – May Installation
Proposed Design

- Design is moving forward with low wattage LED lights
- No upgrades required to existing service panels
- Strings are designed so if 1 lights goes out, the others will remain on
- Power to string will be disabled in the event of a string breaking due to branch falling, etc.
- Lights to be mounted at 18’ minimum above street / sidewalk per National Electric Code
**Landscape**

- Downtowns landscape trends:
  - Low maintenance understory
  - Careful tree selection considering litter and storefront visibility
  - Selection of plants with low watering requirements

- Proposed landscape design will feature Florida Friendly plant material

- Heads of new palm trees at the midblock crossings will be above retail signage elevations to increase visibility
Technical Info

• Weight is about .25 lbs. / ft., including:
  • Lighting wire
  • Light globes
  • Connections
  • 1/8” wire rope
• Run lengths range from 25’ to 75’
• Max weight per run is approx. 20 lbs.
• Breaking strength of wire rope is approx. 1,670 lbs. / ft.
• Weight will be distributed to 2 points of connection
  • Metal Pole
  • Tree Strap
**Maintenance**

• CRA intends to enter into annual maintenance contract for lighting and landscape maintenance

• Lighting maintenance to include:
  • Bulb outages
    • Proposed bulbs have 40 – 50k hour lifespan
    • = 9 years at 12 hours per day
  • Connection maintenance
  • Transformer maintenance

• Landscape Maintenance to include:
  • Tree trimming required for festoon lights
  • Adjustments to lighting tree strap
  • Landscape material maintenance
    • Pruning
    • Fertilization
    • Weeding
  • Irrigation Maintenance
Questions / Comments?