

# City-wide Street Light LED Conversion Project

Riverside Public Utilities

Board of Public Utilities  
June 26, 2017

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1

## PROJECT DESCRIPTION – UTILITY 2.0



Multi-phase implementation of city-wide street light conversion program to LED streetlights that will honor historic integrity of neighborhood street light aesthetics while enhancing quality of life in Riverside

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2

## BACKGROUND

1. Board of Public Utilities recommended approval of the City-wide Street Light LED Conversion Program on July 25, 2016
2. Land Use Committee recommended approval of the City-wide Street Light LED Conversion Program on August 18, 2016
3. City Council approved the City-wide Street Light LED Conversion Program on September 6, 2016



## BACKGROUND

4. Agreement Executed by the City Manager on September 9, 2016
5. Notice to Proceed issued October 3, 2016
6. Project Kick Off meeting held on November 15, 2016



## DISCUSSION

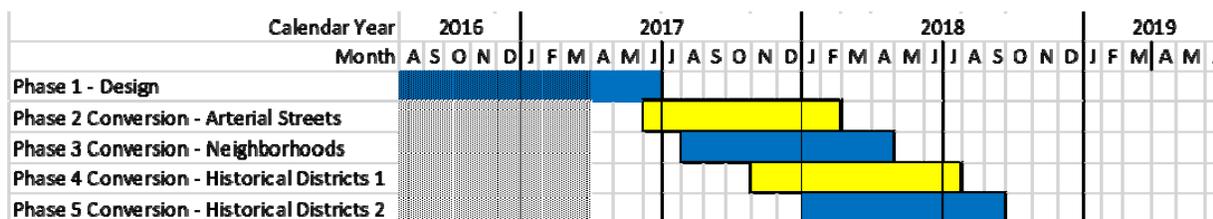
1. Design Services Status Report for April 2017
2. Project Schedule
3. Project Phases
4. Street Light LED Conversion Pilot Projects

## APRIL 2017 STATUS REPORT

**Consultant Design by Design Services Inc. dba Benya Burnett Consultancy – 15% Complete**

- Design Guide development – initial draft submitted for review
- Street Light Luminaire Materials Specifications – Initial draft submitted for review
- Dark Skies Ordinance – initial draft submitted for review
- Intersection Safety Light Design – Fourteen (14) locations were selected for pilot LED conversions projects.

## PROJECT SCHEDULE



## PROJECT PHASES

**Phase 1: Design Services** (included in this report). In progress.

**Phase 2 Conversion** (8000 lights): Full scale conversion on mast arm and conventional poles along arterial and collector streets, including conversion of intersection safety lights (with Public Works).

**Phase 3 Conversion** (12,000 lights): Full scale conversion of remaining streetlights and intersection lights not located in Historic Districts or Neighborhood Conservation Areas.



## PROJECT PHASES

**Phase 4 Conversion** (4,000 lights): Multiple projects addressing conversions in Historic Districts or Neighborhood Conservation Areas – with public meeting components to receive Certificates of Appropriateness.

**Phase 5 Conversion** (6,000 lights): Conversion in the final Historic Districts or Neighborhood Conservation Areas.

## STREET LIGHT LED CONVERSION PILOT PROJECTS

Location	Status
Brockton Avenue and Park View Terrace	In Service 10/4/2016
Larchwood Place from Riverside Avenue to Ramona Drive	In Service 11/8/2016
Pennsylvania Avenue from High Street to Sedgewick Avenue	In Service 3/7/2017
Tibbetts Street from Magnolia Avenue to Brockton Avenue	In Service 3/29/2017
Madison Street from Railroad Avenue to Lincoln Avenue	In Service 4/7/2017

## PILOT PROJECTS – WARD 1

Brockton Avenue and Park View Terrace

1. Eight (8) cobra head luminaires
2. Completed 10/4/2016
3. Improve Public Safety



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## PILOT PROJECTS – WARD 1

Larchwood Place from Riverside Avenue to Ramona Drive

1. Eight (8) bulb type luminaires
2. Completed 11/8/2016
3. Internal conversion for Historic District



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12

## PILOT PROJECTS – WARD 2

Pennsylvania Avenue from High Street to Sedgewick Avenue

1. Eight (8) cobra head luminaires
2. Completed 3/7/2017
3. Test 2700 K v. 3000 K color temperature



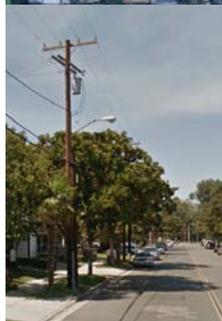
13

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## PILOT PROJECTS – WARD 2

Tibbetts Street from Magnolia Avenue to Brockton Avenue

1. Eight (8) cobra head luminaires
2. Completed 3/29/2017
3. Improve Public Safety



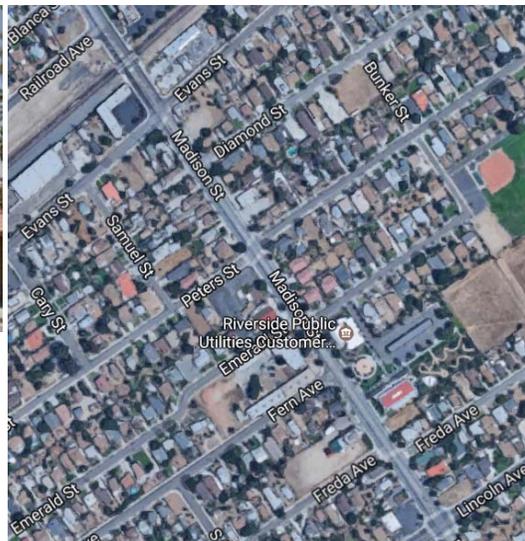
14

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## PILOT PROJECTS – WARD 4

Madison Street from  
Railroad Avenue to  
Lincoln Avenue

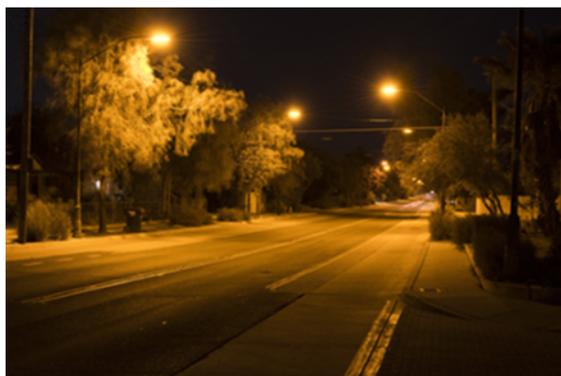
1. 16 cobra head luminaires
2. Completed 4/7/2017
3. Improve Public Safety



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## EXAMPLE BEFORE AND AFTER PHOTOS



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16

## RECOMMENDATIONS

That the Riverside Public Utilities Board receive and file this report