



City-wide Street Light LED Conversion Project

Riverside Public Utilities

Board of Public Utilities
June 26, 2017

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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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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

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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

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DISCUSSION

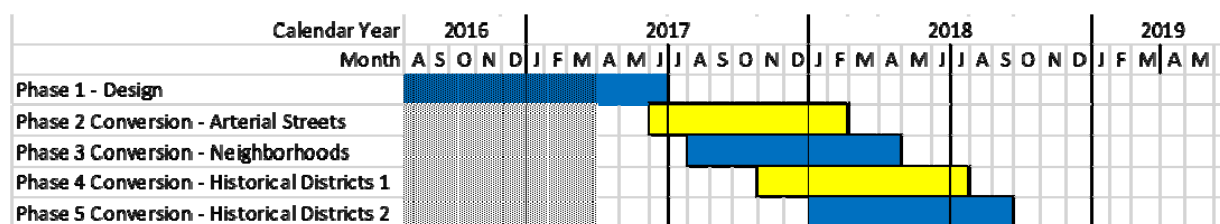
1. Design Services Status Report for April 2017
2. Project Schedule
3. Project Phases
4. Street Light LED Conversion Pilot Projects

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



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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.

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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.

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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

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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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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



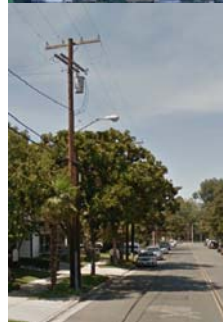
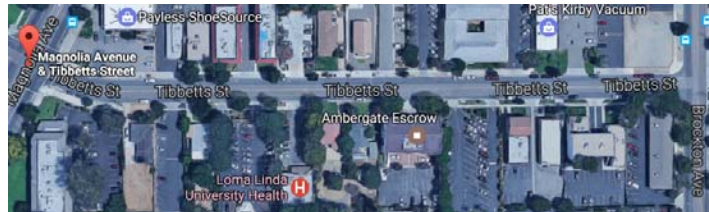
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PILOT PROJECTS – WARD 2

Tibbetts Street from
Magnolia Avenue to
Brockton Avenue

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



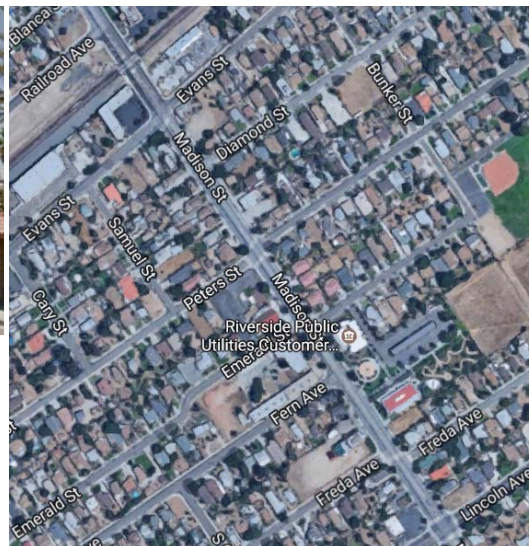
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PILOT PROJECTS – WARD 4

Madison Street from
Railroad Avenue to
Lincoln Avenue

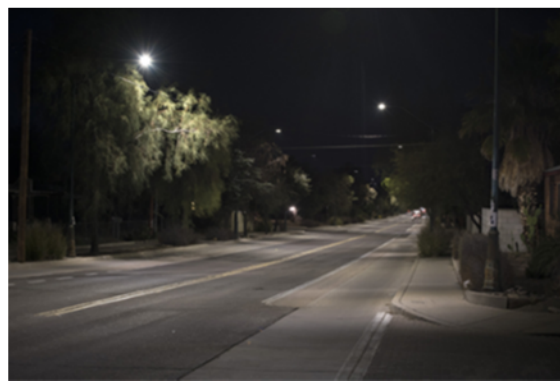
1. 16 cobra head
luminaires
2. Completed 4/7/2017
3. Improve Public
Safety



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EXAMPLE BEFORE AND AFTER PHOTOS



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RECOMMENDATIONS

That the Riverside Public Utilities Board receive and file this report