Infrastructure Planning
Prioritization Models: Making Decisions about Aging Infrastructure

Sidewalk and ADA Ramp Prioritization Model
LED Replacement Program
1 - Population Density

10% Weight

2 - Night Pt1 Crimes (3 years)

30% Weight

3 - Night-Time Collisions

40% Weight
4 - Business Permits

20% Weight

5 - LED Suitability
1. Collect Data
2. Analyze Data to Understand the Problem
3. Communicate the extent of the Problem
4. Develop a Prioritization Framework
5. Iterate and Gain Agreement on Framework
6. Establish Financial What-If Scenarios
7. Establish and Deconflict Projects
8. Bid Projects
9. Complete Projects
10. Evaluate Projects
11. Evaluate Program
6 - Previous Pavement Projects

7 - PCI “Catching”

8 - Average Daily Trips
Redlands Pavement Financial Scenarios

City-wide Average PCI

9 - $800/Year Investment

Percentage Stacked Chart
10 - $800K/Year PCI Distribution

11 - $5M/Year Investment

12 - $5M/Year PCI Distribution

13 - $10M/Year Investment
14 - $10M/Year PCI Distribution