San Diego Unified Port District
Asset Management Program

Cid Tesoro
Design and Major Maintenance Manager
50 Piers, Docks and Wharves

96 Buildings and Structures

248 Acres of Parks and Playgrounds

D2#872038
Projects
Asset Management Framework

What is the current state of my assets?

What is the required LOS?

Which assets are critical?

What are my best O&M and cap investment strategies?

What is my best long-term funding strategy?

Value

Difficulty

Optimization

Information
Asset Inventory & Condition Assessment
Inventory Activities
Roadway Condition Assessment
Administration Building
Spanish Landing Park Assessment
Condition Assessment Results
Understanding the Current State

Consumption Profile
State of Facilities
Management Strategy (Risk-Based)

- High Risk Zone:
  - Strategy: Plan for asset renewal and/or risk mitigation

- Medium Risk Zone:
  - Strategy: Mix of reactive and proactive strategies - dependent on owner preferences and site specific issues

- Low Risk Zone:
  - Strategy: Proactive condition and/or performance monitoring

- Probability of Asset Failure (e.g., 0 to 1):
- Consequences of Asset Failure (e.g., Dollars)
Calculating the Timing to Failure
Asset Management Tool
## Risk-Based Prioritization

<table>
<thead>
<tr>
<th>Year</th>
<th>Asset Name</th>
<th>Action Type</th>
<th>Action Cost</th>
<th>Risk Score</th>
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<tbody>
<tr>
<td>2014</td>
<td>Metal pipe LIN-HAS-78</td>
<td>Replace</td>
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Questions
Back-up slides
FY 15/16 Programs

CIP
• 34 Projects Programmed
• 19 Active Projects
• Budget - $100 Million

MM
• 20 Projects
• Budget - $10.5 Million