Kern COG ITS Plan

TPPC MEETING
MAY 17, 2018

Agenda

• Overview of Draft ITS Plan process
  http://www.kerncog.org/category/docs/its/
• Draft ITS Plan review
• Next Steps
2018 ITS Plan development

First Stakeholder meetings (3) – February 2017
- System Inventory
- Vision, Goals, Needs

Assessment of 1997 Plan – September 2017

Second stakeholder meeting – October 2017
- ITS Strategies
- Architecture discussion

Operational Strategies Report – December 2017
Outreach for Information Flow diagrams with individual stakeholder meetings - January/February 2018
Information Flow diagrams/Functional Requirements – March 2018
Architecture Maintenance Plan – April 2018
Draft ITS Plan – April/May 2018

Overview of Draft ITS Plan

All deliverables are found on http://www.kerncog.org/category/docs/its/
Stakeholder based Plan

Project Vision:

“Through community ITS investment, coordination and data sharing between transportation agencies, travel in Kern is safe and efficient.”

Operational Roles and Responsibilities

Existing and planned responsibilities

Planned responsibilities tie directly to short term ITS projects
Prioritized Project List

Prioritization based on:
- Need for a function
- Logical ordering of projects
- Maturity levels of ITS services throughout the region

Provides guidance not a prescription
Short (0-5 years), Medium (5-10 years), Long term (10+ years)
Not a commitment of funds

<table>
<thead>
<tr>
<th>Project ID</th>
<th>Project</th>
<th>Project Description</th>
<th>Term</th>
<th>Total</th>
<th>Need</th>
<th>Prioritized Program</th>
<th>Project Duration</th>
<th>Interdependencies</th>
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<td>1</td>
<td>2</td>
<td>Coordinate construction and maintenance project schedules among ITS agencies</td>
<td>Short Term</td>
<td>111</td>
<td></td>
<td>Maintenance and Construction Program</td>
<td>City of Kern</td>
<td>The system will depend on the cooperation among participating agencies, each with its own system, to ensure successful implementation.</td>
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<td>2</td>
<td>3</td>
<td>Traffic Signal Systems (Phase 1)</td>
<td>Short Term</td>
<td>310</td>
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<td>Traffic Management Program</td>
<td>City of Kern</td>
<td>The system will depend on the cooperation among participating agencies, each with its own system, to ensure successful implementation.</td>
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<tr>
<td>3</td>
<td>4</td>
<td>Implement signal timing and coordination improvements to help reduce traffic congestion</td>
<td>Short Term</td>
<td>115</td>
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<td>City of Kern</td>
<td>The system will depend on the cooperation among participating agencies, each with its own system, to ensure successful implementation.</td>
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<td>5</td>
<td>Improve signal timing coordination</td>
<td>Short Term</td>
<td>107</td>
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<td>5</td>
<td>6</td>
<td>Provide real-time information to travelers during accident, construction, weather events, special events, etc.</td>
<td>Short Term</td>
<td>279</td>
<td></td>
<td>Special Information Program</td>
<td>City of Kern</td>
<td>The system will depend on the cooperation among participating agencies, each with its own system, to ensure successful implementation.</td>
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Project List
Information Flow Diagrams

- Shows existing and planned information flows
- Helps to determine planned projects
- Identifies integration opportunities
- Sorted by stakeholder

Architecture Maintenance

**Maintenance**
- New stakeholders
- Changes in scope of services
- Changes in other architectures
- Changes due to Project definition or implementation
- Project addition/deletion

**Process**
- Submit a change request form to Maintenance Committee
- Maintenance Committee review (TTAC)
- Annual Progress Report
Next Steps

- May 23 – comments on the Draft ITS Plan due
- June 6 – expected TTAC recommendation to approve Final ITS Plan
- June 21 – expected Kern COG Board approval of Final ITS Plan
- Use and maintain the Architecture

Questions?

http://www.kerncog.org/category/docs/its/

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