# Kern COG ITS Plan

TPPC MEETING

MAY 17, 2018

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## Agenda

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

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#### 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

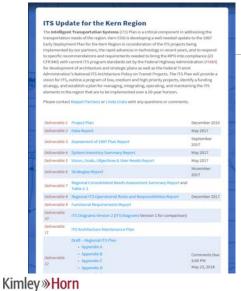
Architecture Maintenance Plan - April 2018

Draft ITS Plan - April/May 2018



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#### 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."

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#### Operational Roles and Responsibilities

Existing and planned responsibilities

Planned responsibilities tie directly to short term ITS projects

Stakeholder	Transportation Service Area	Roles and Responsibilities				
Golden Empire Transit	Public Transportation	Operate fixed-route service Operate demand response service Manage and maintain bus fleet. Buses are equipped with AVL Operate surveillance cameras on-board buses Provide information to the public via internet and social media Operate a computer-aided dispatch system for fixed route and paratransit services Operate electronic fare payment system Provide transit information via website, printed materials, kiosks, and a telephone information line Provide routing information during incidents, construction, weather events, special events, etc. (planned) Provide routing information for information to travelers (planned) Provide routing information for provide information (planned) Provide routing information on planned special events (planned) Provide information on planned special events (planned) Provide information to travelers (planned) Provide information to travelers (planned)				

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## 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

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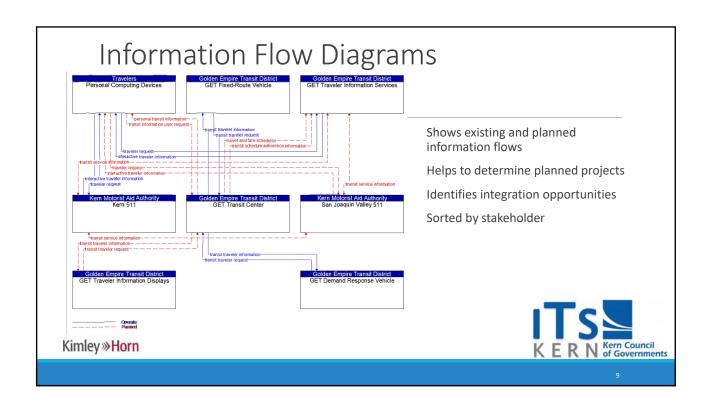


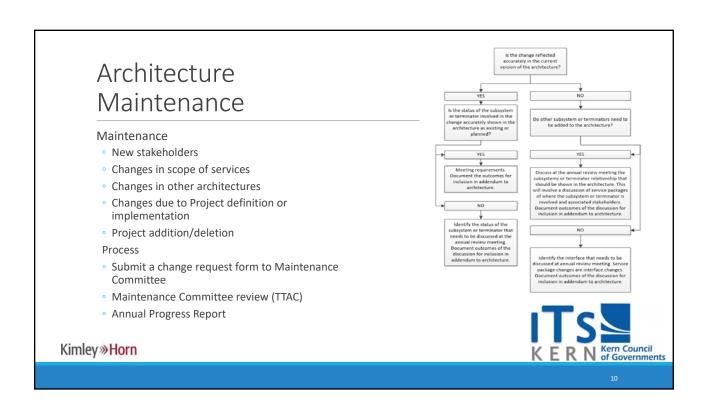
#### Project List

Project ID	Project	Project Description	Term	Total	Need	Program Area	Planned Participating Entities	Interdependencies
2	Construction and Maintenance Coordination	This system will be used to share information between all agencies to coordinate any construction and maintenance efforts.	Short Term	113	Coordinate construction and maintenance project schedules within and between agencies	Maintenance and Construction Program	Caltrans Districts City of Arvin City of Bakersfield City of Delano City of McFarland City of Shafter City of Taft City of Tehachapi County of Kern	The system will depend on willingness of multiple agencies to connect and share data
3	Work Zone Technology	This proposed system will provide the deployment of technology to collect and distribute warning information about potential work zone hazards.	Short Term	102	Warn work crews of errant vehicles	Maintenance and Construction Program	Caltrans Districts City of Arvin City of Bakersfield City of Delano City of McFarland City of Shafter City of Taft City of Tehachapi County of Kern	The system will depend on the deployment of technologies capable of communicating with a central system or internet to access third party data/management system
4	Traffic Signal System (Phase 1)	This project will implement signal timing and coordination improvements to help reducing traffic congestion.	Short Term	118	Improve signal timing/coordination	Traffic Management Program	Caltrans Districts City of Arvin City of Bakersfield City of Delano City of McFarland City of Shafter City of Taft City of Tehachapi County of Kern	The system will depend on the jurisdictions having a traffic signal control system
				107	Reduce recurring traffic congestion			
5	Regional Transportation Management Center (TMC) Coordination and Traveler	This project supports the ITS data warehouse project. The links would enable data sharing among the transportation agencies and emergency response to provide up to date information to travelers.	Short Term	129	Provide routing (detour) information to travelers during incident, construction, weather events, special events, etc.	Traveler Information Program	Airports Caltrans Districts City of Arvin City of Bakersfield City of Delano City of McFarland	The system will depend on a robust traffic signal control system The system will depend on

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#### 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

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## **Questions?**

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

Alyssa Phaneuf

Alyssa. Phane uf@kimley-horn.com

(213) 261-4047

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