

Module 8: State Transportation Innovation Councils (STIC)

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Good Afternoon!



Agenda

- Acronyms
- Introduction
- STIC Incentive Program
- STIC in Puerto Rico



Acronyms

- FHWA- *Federal Highway Administration*
- CAI- *Center for Accelerating Innovation*
- EDC- *Every Day Counts*
- STIC- *State Transportation Innovation Council*
- AID- *Accelerated Innovation Deployment*
- HfL- *Highways for Life*
- SHRP2- *Strategic Highway Research Program 2*
- LTAP- *Local Technical Assistance Programs*
- TTAP- *Tribal Technical Assistance Program*



Acronyms cont.

- STA- *State Transportation Agency*
- FMIS- *Fiscal Management Information System*
- DTPW- *Department of Transportation and Public Works*
- PRHTA- *Puerto Rico Highway and Transportation Authority*
- CIAPR- *Puerto Rico Professional Association of Engineers and Land Surveyors (for its Spanish acronym)*
- ATI- *Integrated Transit Authority (for its Spanish acronym)*
- AGC- *Association of General Contractors*



Introduction

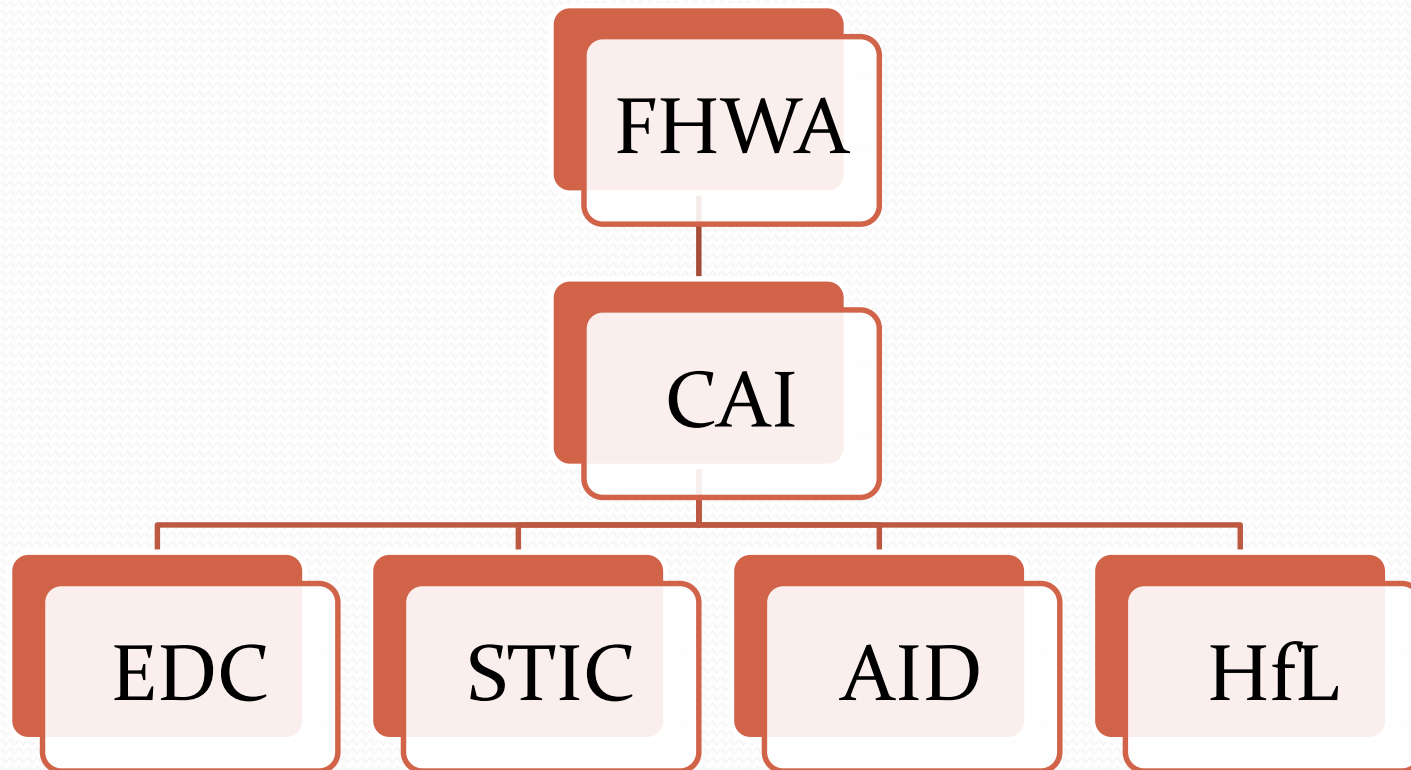
- FHWA is seeking for better ways of getting highways planned, designed, built and maintained.
- Challenge:
 - Implement the innovations into everyday use.



U.S. Department of Transportation
Federal Highway Administration



Organizational Structure



Center for Accelerating Innovation

- CAI is within the FHWA organizational structure.
- Coordinates internal and external efforts to identify and prioritize innovations.



Source: FHWA



State Transportation Innovation Councils

- Every state, including Puerto Rico, should develop an innovation deployment council consisting of representatives from all levels of the highway transportation community.



Source: FHWA



STIC Incentive Program Guidance

- The council should consider every source of innovation deployment comprehensively and strategically according to their unique business needs.
 - Take into consideration but do not limit to EDC, SHRP₂ and TIG technologies.



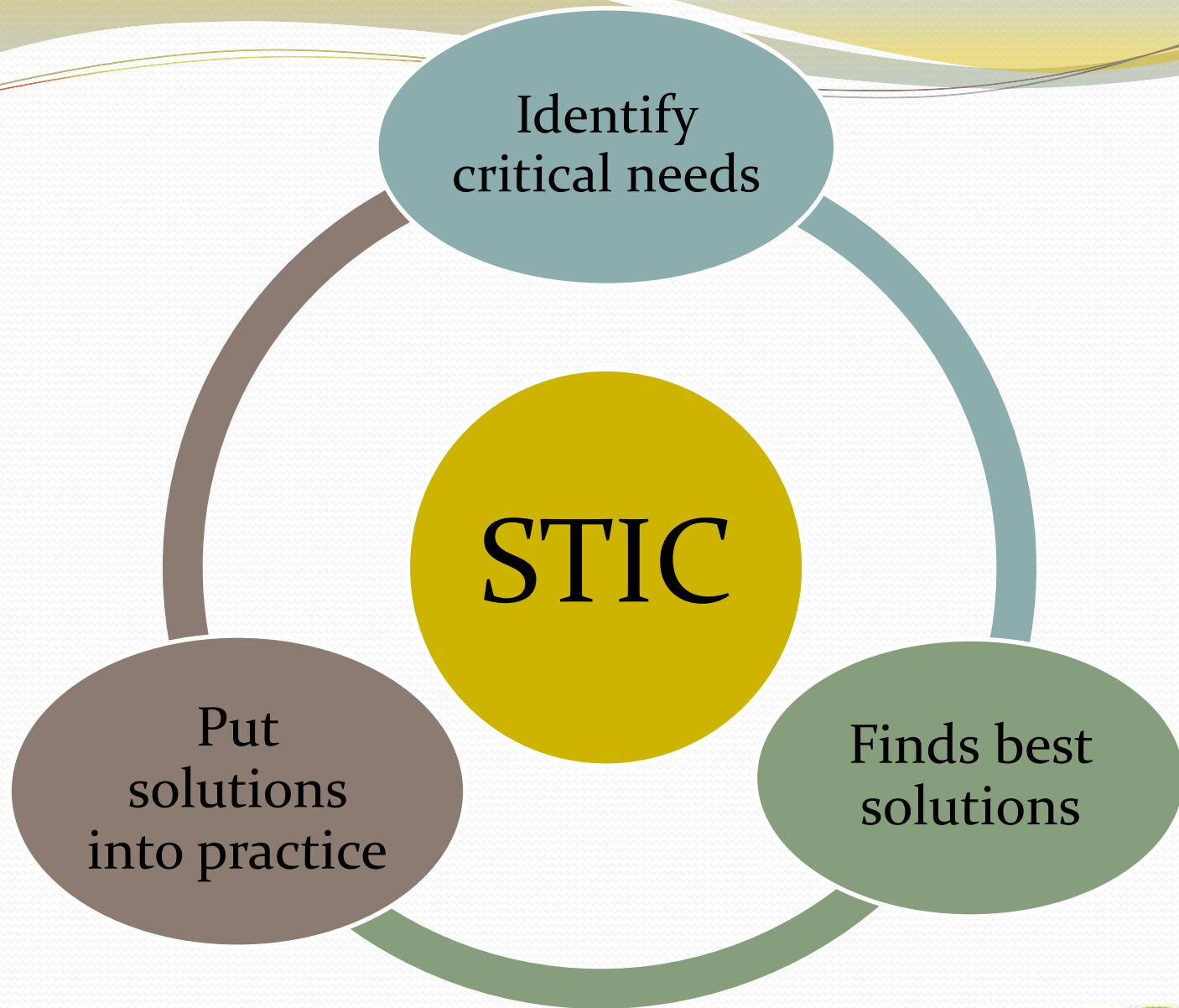
Source: FHWA



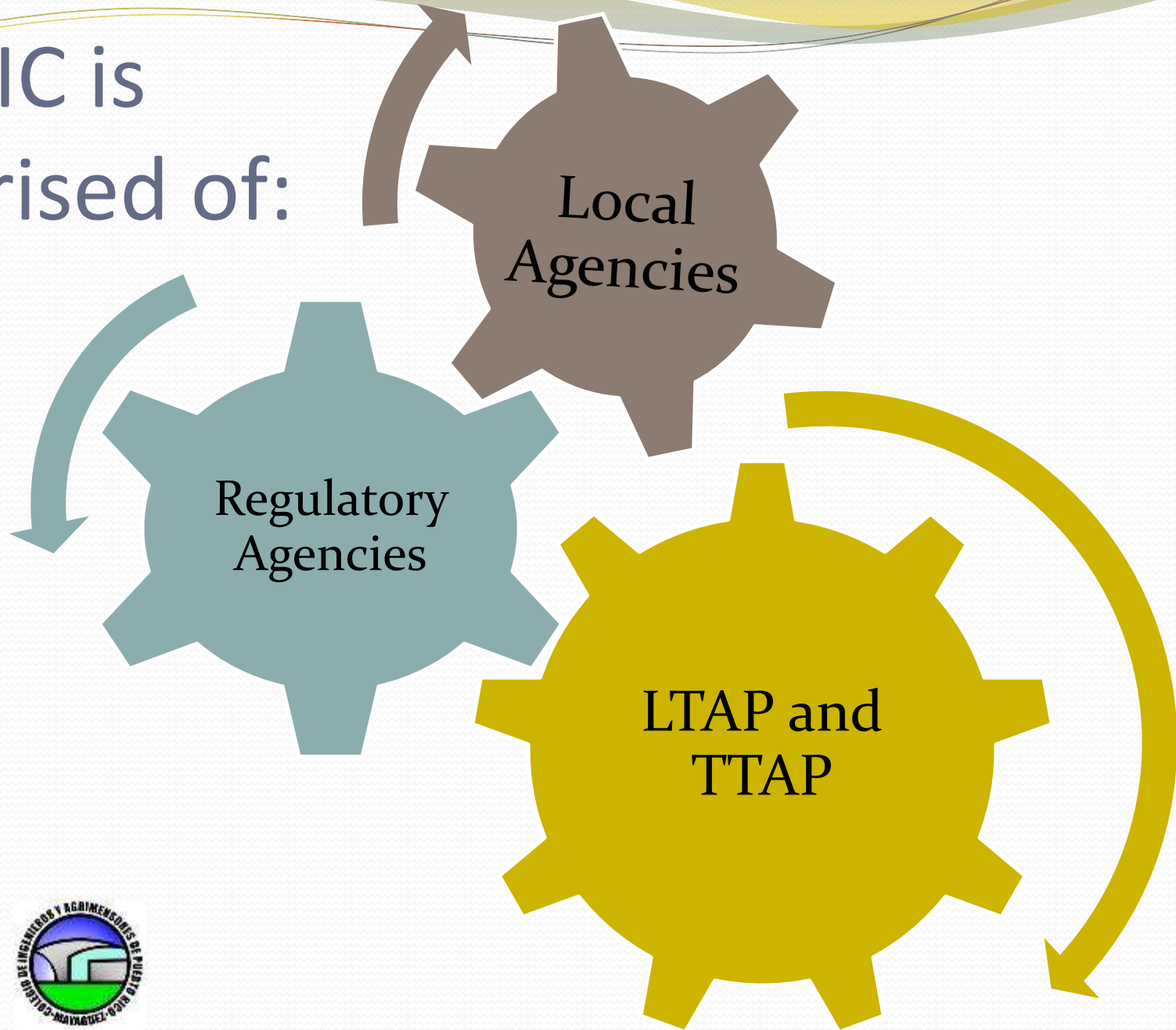
STIC Purpose

- This program provides resources to help make innovations in each state.
- Technical assistance and funds are available to support the costs of innovative practices.
- Funding opportunity: \$100,000 per State per year.





STIC is
Comprised of:



Activities Eligible for Funding

Develop standards and specifications

Develop and deliver training

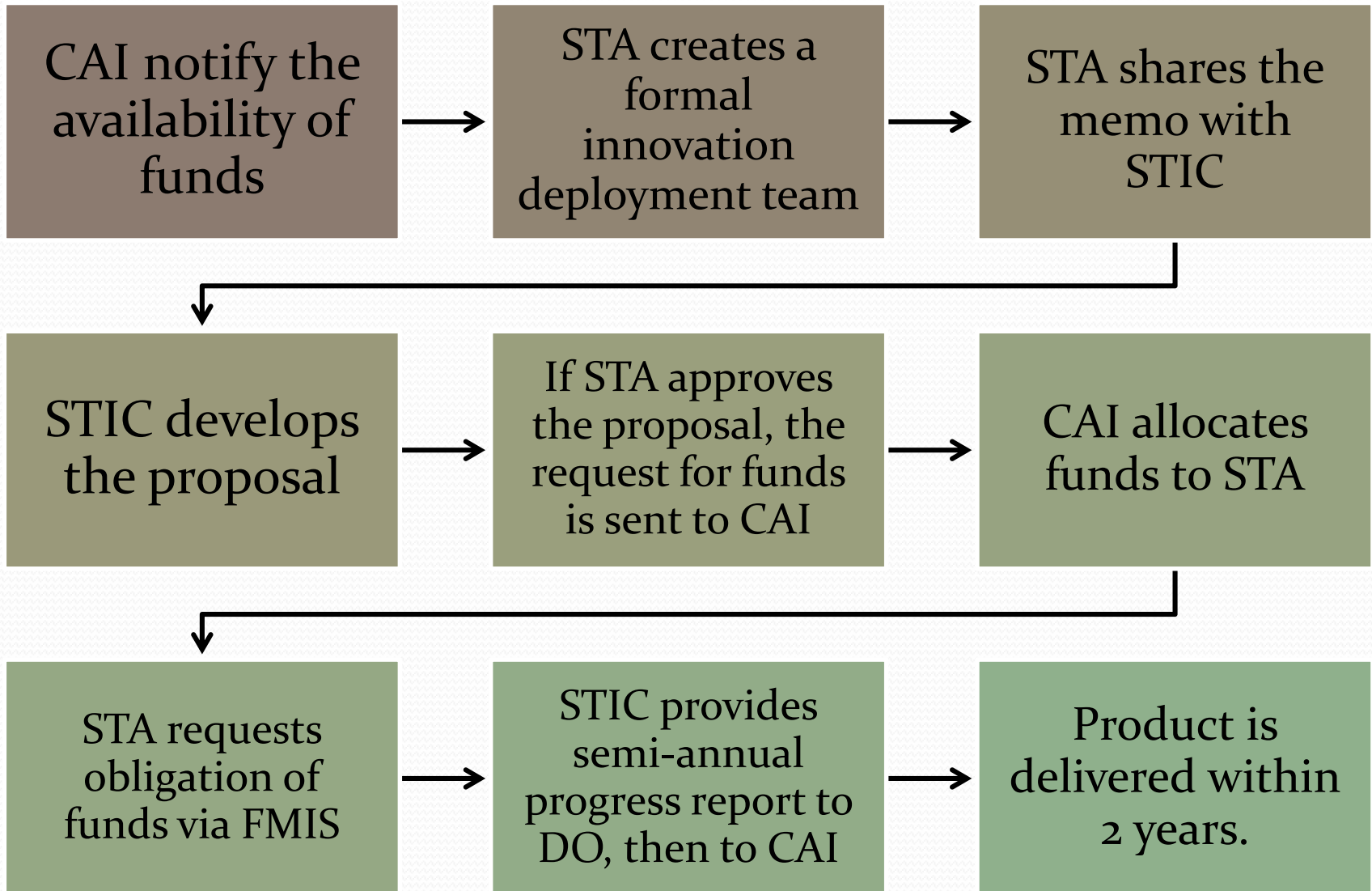
Refine current specifications

Prepare technical guidance

Prepare an integration plan



The Process to Funding Projects



STIC Chapter in Puerto Rico

- DTPW and PRHTA are in charge of the maintenance of PR's transportation system and of making decisions on how to implement techniques and technologies towards road safety.



Source: NHS, FHWA



U.S. Department of Transportation
Federal Highway Administration



Vision

The PRSTIC will foster a collaborative culture for rapid implementation of meaningful innovations to efficiently deliver to the public a modern, high quality transportation system.

Mission

Facilitate the rapid implementation of technology, tactics and techniques among transportation program delivery professionals, starting at the DTPW and PRHTA and moving toward all levels of government and throughout the private and non-profit sector, to ensure smart and efficient investment in Puerto Rico's highway infrastructure.

(Charter of Puerto Rico's STIC, 2015)

PRSTIC Members

DTPW
Secretary

FHWA
Division
Admin.

PRHTA
Executive
Director

ATI Executive
Director

FHWA EDC
Coordinator

LTAP
Director

AGC
President

CIAPR
President



PRSTIC Membership

- No more than 15 members
- PRSTIC members can change due to retirements, changes in employments or career changes
- Subject matter experts and other advisory members may be invited to PRSTIC meetings as non-voting members.



Scope and Responsibility

- PRSTIC shall:
 - Provide multi-discipline expertise to deploy the transportation related innovations.
 - Identify and recommend ways to ensure that PR responds to key issues and challenges related to the transportation program.
- PRSTIC will act as a catalyst for rapid deployment of technologies, techniques and tactics to improve performance and effectiveness in P.R.



STIC Incentive Applications in P.R.

STIC Incentive
Funds Requested:

\$80,250 Fed Share +
\$19,750 Toll Credits

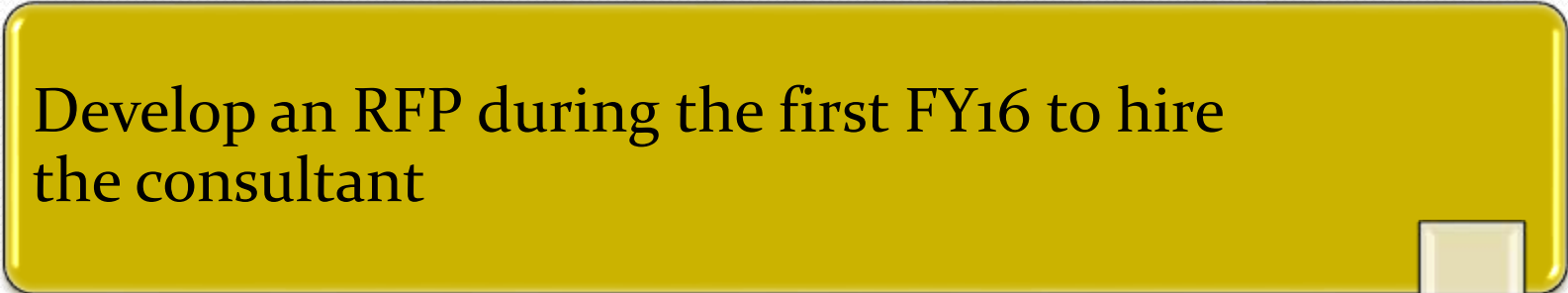
= \$100,000

- PRHTA will hire a consultant firm to develop a set of Standard Drawings as part of the EDC initiatives:
 - Safety Edge
 - Adaptive Signal Control Technology
 - Geosynthetic Reinforced Soil- Integrated Bridge
 - Accelerated Bridge Construction
 - High Friction Surface Treatment

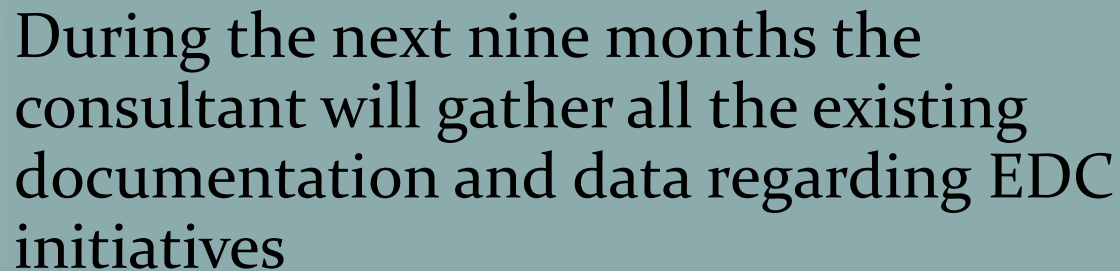


Project Schedule

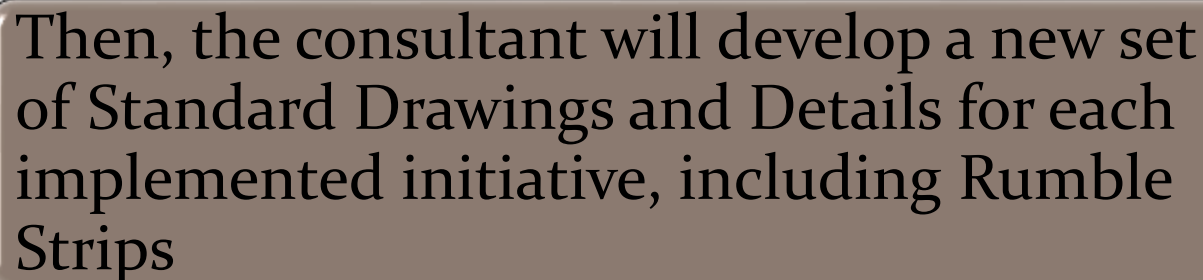
Develop an RFP during the first FY16 to hire the consultant

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During the next nine months the consultant will gather all the existing documentation and data regarding EDC initiatives

A teal rounded rectangular box containing the text "During the next nine months the consultant will gather all the existing documentation and data regarding EDC initiatives". A large, light-colored downward-pointing arrow is positioned to the right of the box, pointing towards the next step.

Then, the consultant will develop a new set of Standard Drawings and Details for each implemented initiative, including Rumble Strips

A brown rounded rectangular box containing the text "Then, the consultant will develop a new set of Standard Drawings and Details for each implemented initiative, including Rumble Strips". A large, light-colored downward-pointing arrow is positioned to the right of the box, pointing towards the next step.

Meetings

- PRSTIC shall meet regularly at a time and place set by the Co-chairs. (At least semi-annually)
- Members are expected to attend all meetings.
- Co-chairs:
 - Miguel A. Torres Díaz, DTPW Secretary
 - James Christian, FHWA Division Administration
- Contact- EDC Coordinator
 - Maribell Pérez (maribell.perez@dot.gov)



Thank You!

