

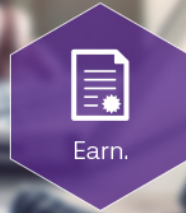
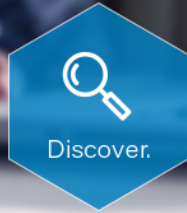
FYI in 45

Is Innovative Finance the Key to Your Infrastructure Future?

Panelists:
David Zimmer
John Muñoz

Moderated by:
Andrew Beaton

November 1, 2018



**CDM
Smith**

Today's Discussion

- ▶ A look at emerging funding and financing options from the state/local, federal, and private sectors
- ▶ How the water and transportation markets are approaching innovative funding and financing options
- ▶ Evaluating the benefits and drawbacks of P3s, and how to know when they're right for you

Our Panel



David Zimmer
North America Unit President

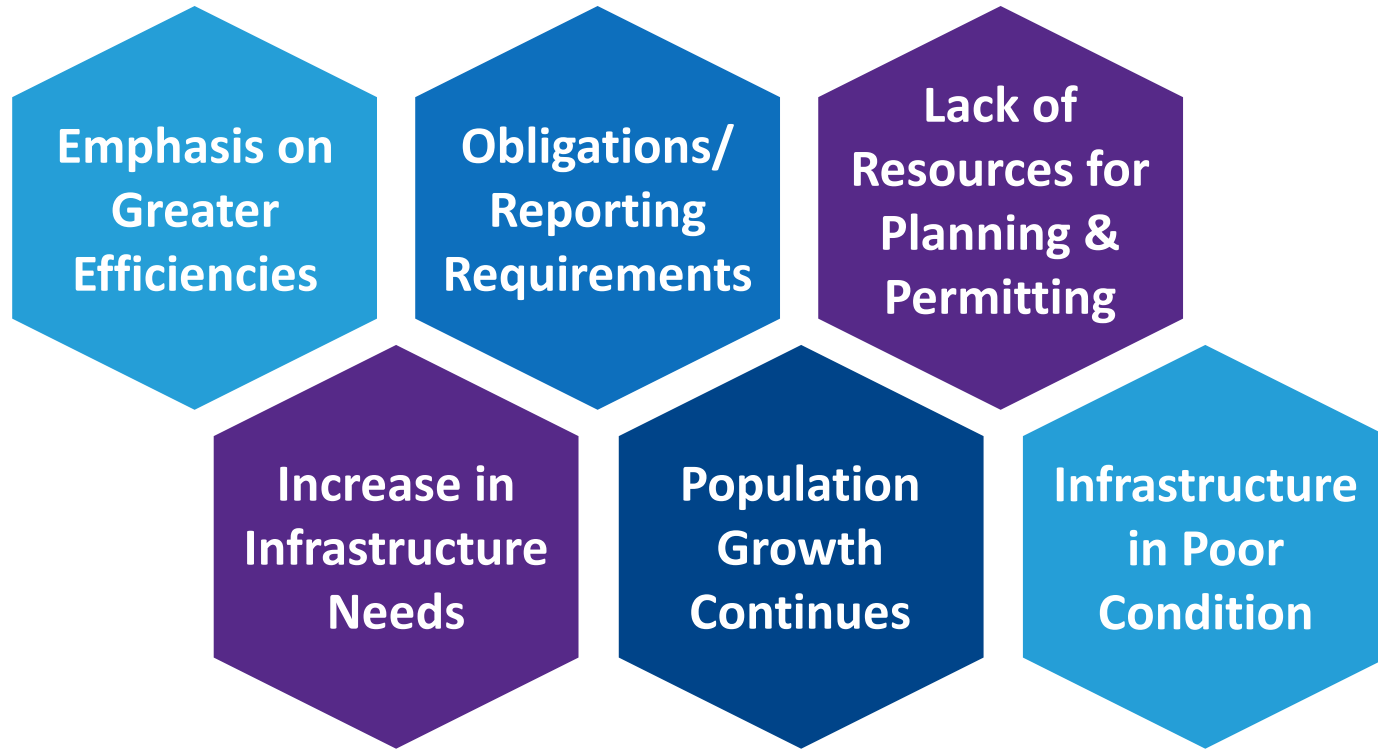


John Muñoz
Vice President, Management Specialist



Why Do We Need Innovative Financing?

Challenges of Public Sector



Denver embracing P3s as an innovative financing method for major projects

Commercial Real Estate • Sponsored Content by Greenberg Traurig

Developing Public to Public Partnerships (P2Ps) that improve infrastructure's social and economic value

THE WORLD BANK
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SUBMITTED BY MALCOLM MORLEY ON THU, 02/18/2015

Public sector organizations seek constantly to improve the Economic and Social Value Equation. The Economic and Social Value Equation is represented by:

Increasingly, improvements to this equation are being sought through Public-Private Partnerships (PPPs). These improvements have frequently focused on value for money and not always adequately addressed increases in community wellbeing. The challenge for the future is to achieve transformation of both economic value for money and

Expect P3s to become more prevalent for both large and small projects.

By Michael R. ...
Oct 16, 2018

At Last, EPA WIFIA Program Picks Up the Pace

August 29, 2018
Tom Ichniowski

After a long, slow warm-up lasting more than three years, the Environmental Protection Agency's water infrastructure loan program finally is rolling. Since April, EPA has cleared its first four Water Infrastructure Finance and Innovation Act, or WIFIA, loans, totaling just over \$1 billion, to help build major water projects.

KEYWORDS EPA / water infrastructure / WIFIA

Environment Water & Dams Projects Governments Business

AEC BUILDTECH CONFERENCE & EXPO
APRIL 11-12, 2019
Donald E. Stephens Convention Center

Rapid Bridge Replacement Project

DOT > Projects & Programs > Public-Private Partnerships > Rapid Bridge Replacement Project

pennsylvania P3
DEPARTMENT OF TRANSPORTATION
PUBLIC-PRIVATE PARTNERSHIPS

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Project Pages
Compressed Natural Gas Fueling Stations

STIPA Travel Info Submit Concern Results REAL ID News Forms, Pubs & Maps Renew License Renew Registration

Related Articles
House Passes Water Infrastructure Bill

Tweets by @WBG
WBG Infra & PPPs Retweeted
Makhtar Diop @Makhtar_Diop
Traditional measures of poverty mask inequality within the household. Let's explore new options that would allow us to better understand...



An Overview of Financing Options

Funding vs. Financing



2018

WRDA

WATER RESOURCES DEVELOPMENT ACT

SRF Loan

State Revolving Fund

\$4.4B / 3 years

WIFIA
PROGRAM

SRF Loan

State Revolving Fund

WIFIA
P R O G R A M

\$50M / year

WIFIA Funding Interest Breakdown



FUNDING

PROJECTS

GRANTS

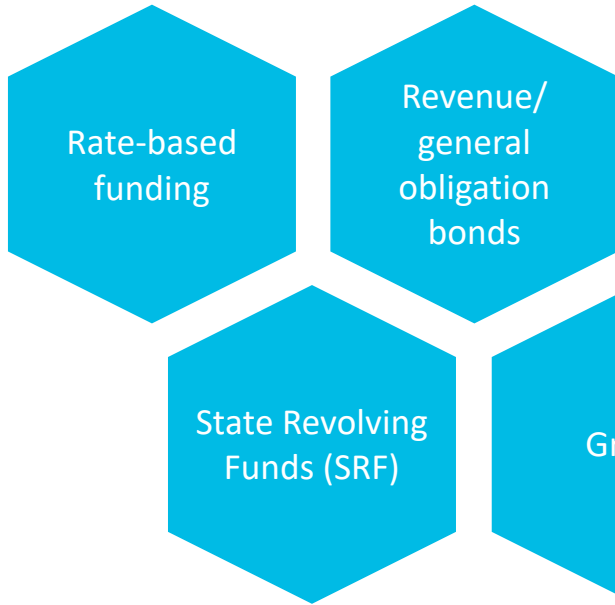


TIFIA Credit
Program

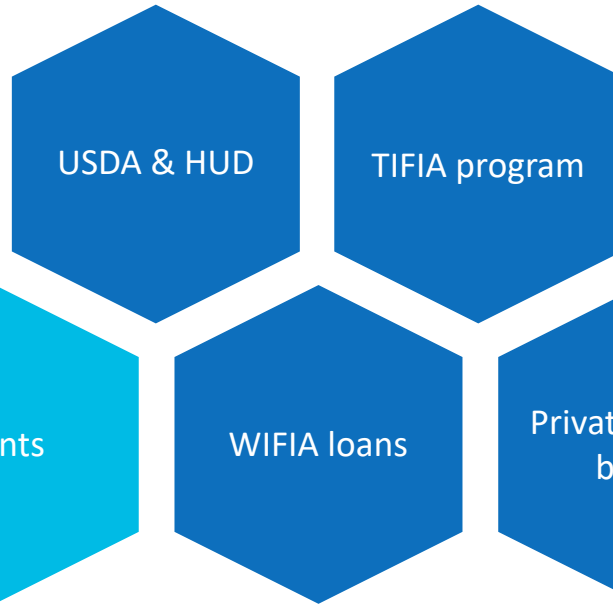


Options Available

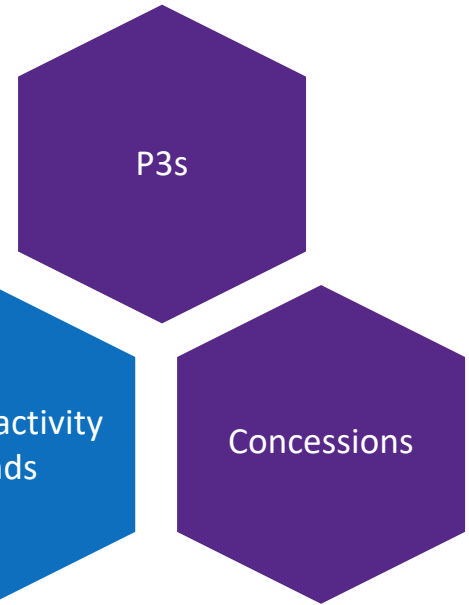
State and Local

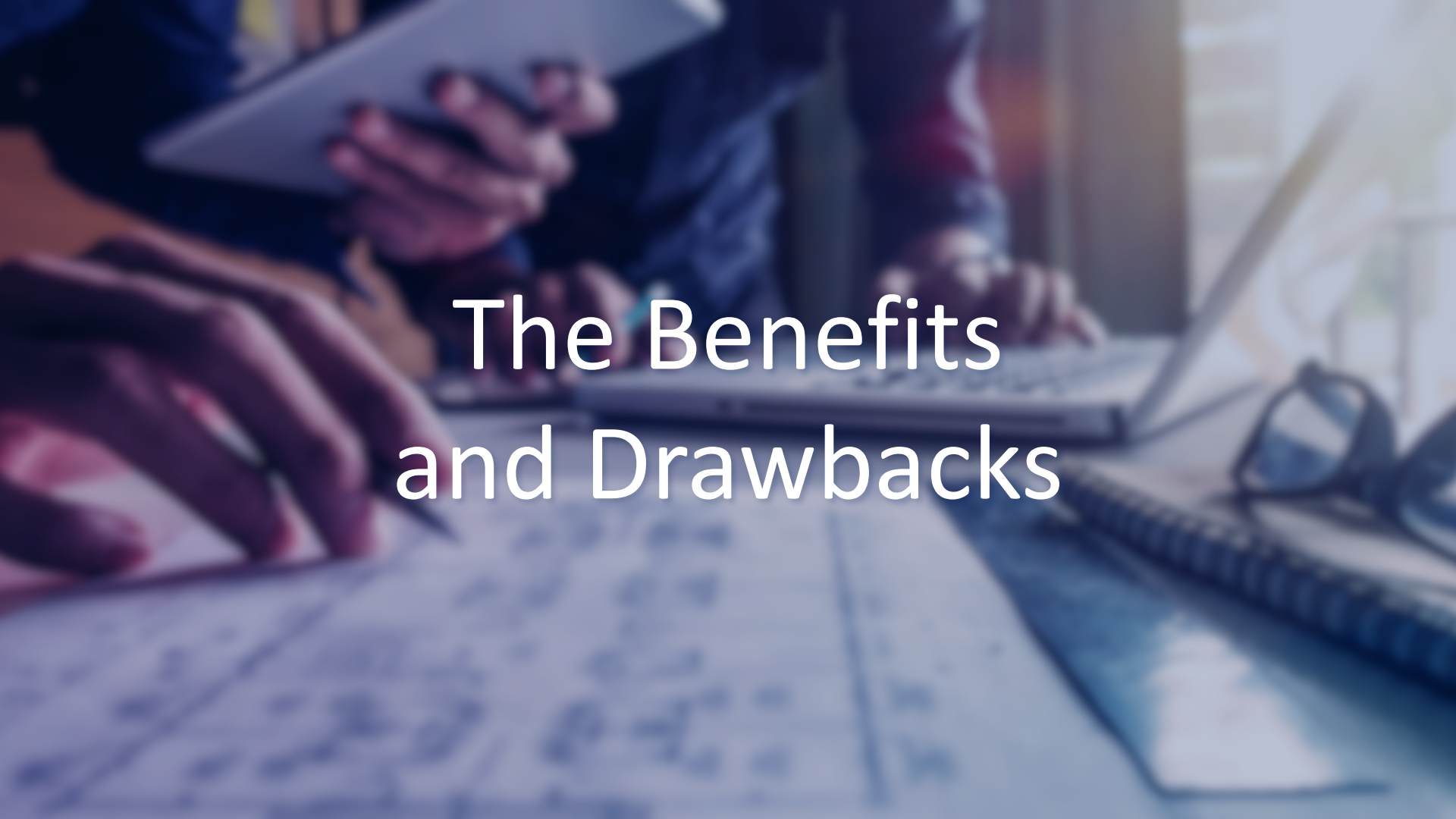


Federal



Private



A blurred background image showing a person's hands interacting with a laptop and a tablet. The scene is set on a desk with a pair of glasses and some papers visible. The overall tone is professional and focused on technology use.

The Benefits and Drawbacks

P3 Benefits



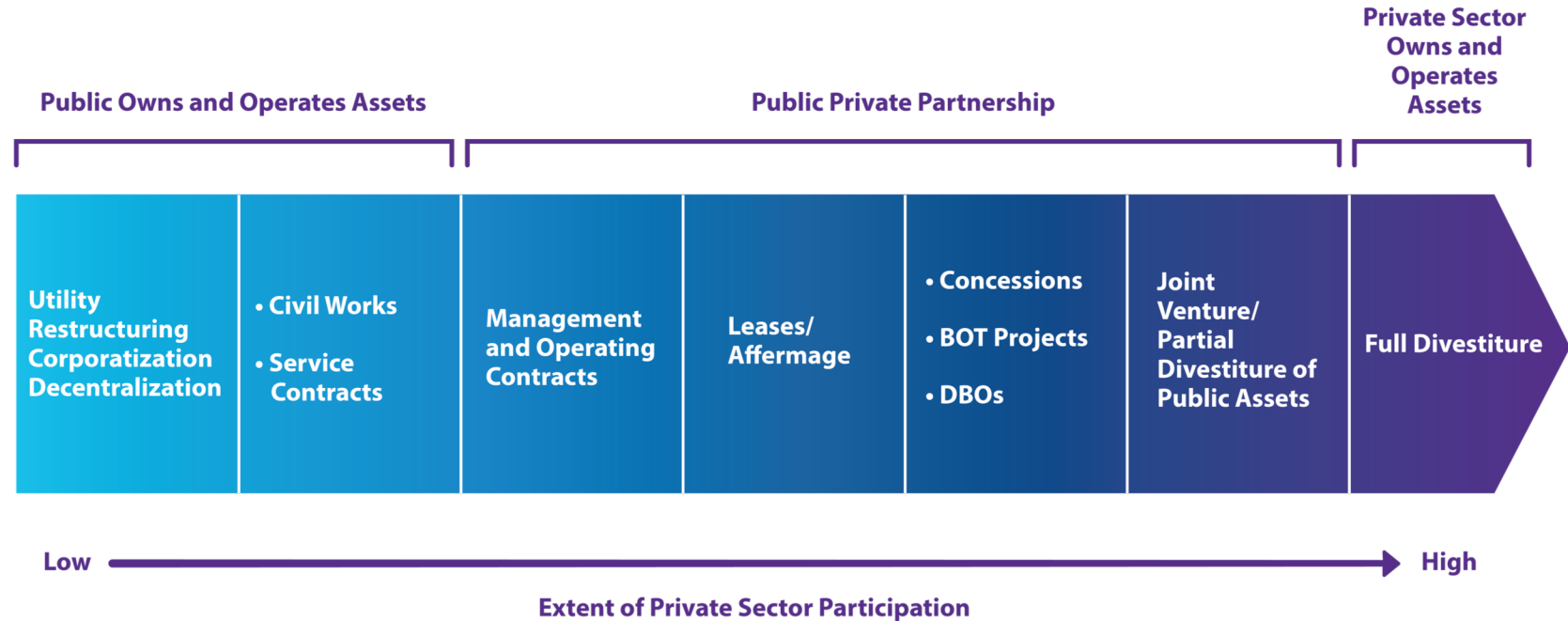
**Whole
Lifecycle
Planning**

**Spur
Competition**

**Schedule
and Cost
Certainty**

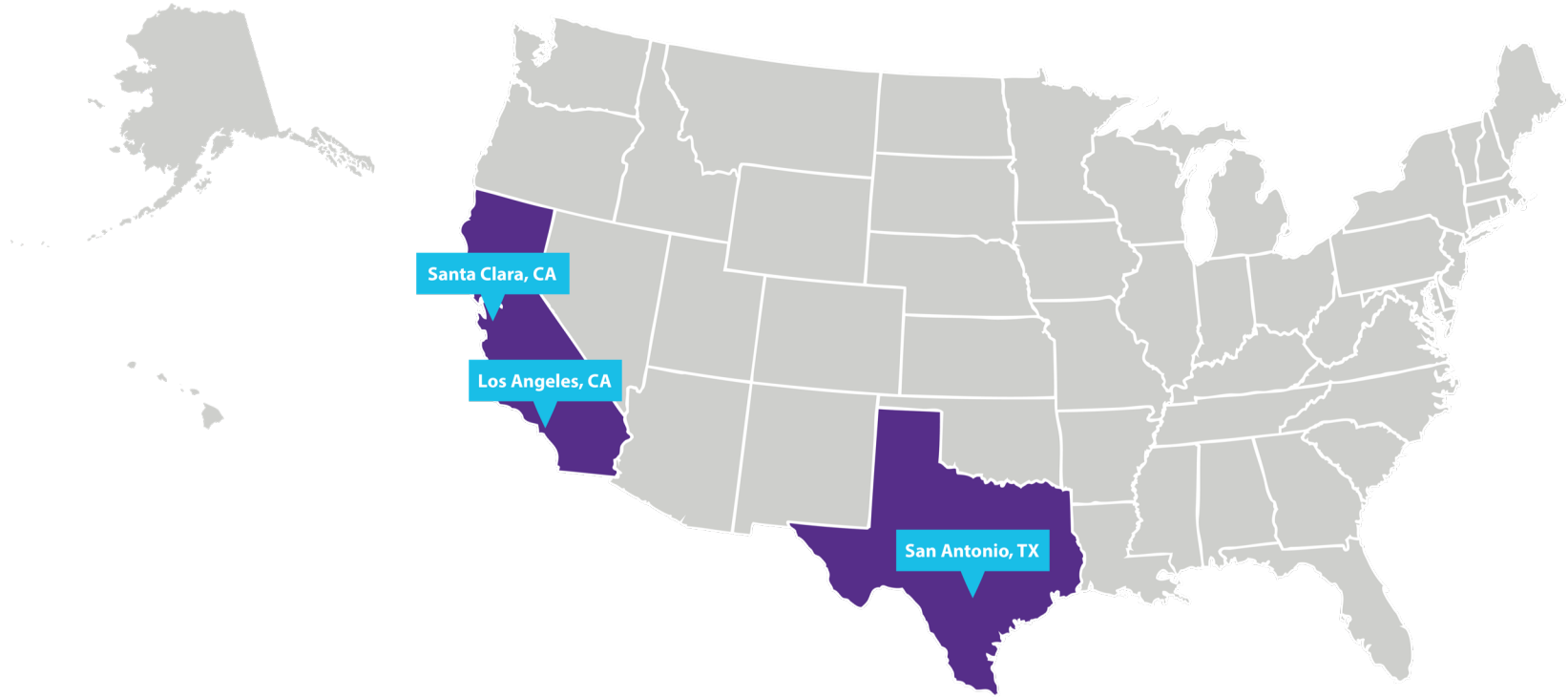
**Risk
Transfer**

Risk Transfer Spectrum





P3s in the Water Sector





Case Studies

An aerial photograph of a city skyline under a blue sky with scattered white clouds. The foreground shows a mix of urban buildings, including a prominent orange-brown high-rise on the right and several smaller, modern structures. A white rectangular text box is centered over the middle of the image.

NORTHEAST WATER PURIFICATION PLANT EXPANSION PROJECT

Houston, TX









pennsylvania **P3**

DEPARTMENT OF TRANSPORTATION

PUBLIC-PRIVATE PARTNERSHIPS

Pennsylvania, PA





Awards



Best Transport Project



Top 10 Transport Deals of the Year



AMERICAN COUNCIL OF ENGINEERING COMPANIES
of Pennsylvania

2016 Honor Award for Engineering Excellence



Take Action!

Consider Innovative Financing if...



- Project is unique, innovative, complex or large
- Requires more planning or permitting resources
- Carries more risk than comfortable with

Plan Your Work and Work Your Plan



Regularly update your master plan

Plan Your Work and Work Your Plan

-  1 Regularly update your master plan
-  2 No single solution fits all

Plan Your Work and Work Your Plan

1

Regularly update your master plan

2

No single solution fits all

3

Create effective contract terms and conditions

Plan Your Work and Work Your Plan

1

Regularly update your master plan

2

No single solution fits all

3

Create effective contract terms and conditions

4

Experienced advisors can go a long way



Questions & Answers

Contact Information

Panelists



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Moderator



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Thank You