



UNIVERSITY OF
TEXAS
ARLINGTON

PPP PITFALLS IN TOLL ROADS

1. General Information

This voluntary questionnaire is part of a study being conducted on the pitfalls of Public-Private Partnerships (PPP) in toll roads. The purpose of this study is to identify the causes of under-performance in PPP toll roads, and their impact on project stakeholders. The questions are designed to help us understand the critical success factors of PPP transportation projects in the United States. Identifying how you feel about PPP pitfalls and failure prevention methods will be instrumental in order to reach the goal for the research. Your input is very valuable to help the industry become better users of PPP. We are certain that the information gathered will help bring the concept of PPP pitfalls to a much popular level.

This study is being conducted by Mahran Zatar (contact provided below) under direction from Dr. Mohammad Najafi, P.E. Professor at the University of Texas at Arlington (contact provided below). A copy of the Survey Results can be sent to you by e-mail at your request.

The questionnaire asks about general issues and concerns regarding the success of PPP transportation projects in the United States. Please answer the questions from your experience.

The survey contains 15 questions, and we estimate it will take an average of 15 minutes to complete. Your participation in this study is completely voluntary. You are free to not answer any question or to stop participating at any time. As this is an electronic survey, we do not track or record IP address from which you are responding. There are no risks or individual benefits associated with taking this survey. The responses collected will be kept confidential by the researcher to the maximum extent allowable by law. A copy of the final study will be sent to you upon completion in May 2104. By completing the survey, you indicate your voluntary consent to participate in this study and have your own answers included in the project data set.

Thank you in advance for your help, we do appreciate your time.

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2. Key Words

Economically viable: means revenue is sufficient to fund the cost of materials, and the overhead associated with running the business, including energy and taxes.

Environmental risk: means construction activities affecting the living organisms and environment by effluents, emissions, and wastes.

Financial risk: means not having enough cash flow to meet monetary obligations for the entire project.

Legal risk: means potential for loss arising from disputes between partnering companies.

Operational risk: risk caused by human error and organizational internal activities.

Political risk: means risks associated with political changes.

Revenue risk: means the change in investment due to economic changes such as interest rates, and value of stock prices.

Risk allocation: passing the risk from one party who does not wish to have the risk to a party best able to manage it at least cost.

Value for money: finding out whether or not a project has obtained the maximum profit from resources available.

3. Personal Information

1. Contact Information

Name:	<input type="text"/>
Organization:	<input type="text"/>
Address:	<input type="text"/>
Address 2:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
ZIP:	<input type="text"/>
Email address:	<input type="text"/>
Phone Number:	<input type="text"/>

2. Have you been involved in a PPP transportation project?

- Yes
- No

4. General Experience with PPP

3. Which of the following best identifies you?

- Consultant
- Engineer
- Contractor
- Subcontractor
- Supplier

Other (please specify)

4. How many years of experience do you have in construction projects?

- 5 years and below
- 6 - 10 years
- 11 - 15 years
- Over 15 years

5. Which sector do you have experience with?

- Public sector
- Private sector
- Both

5. Research Purpose

6. Based on your experience, do you think PPP is a much effective method in delivering transportation projects?

- Yes
- No

7. Based on your experience, what do you think are the main reasons PPPs are adopted?

- Risk Transfer
- Source of finance
- Better quality of service
- Reduced time on project delivery
- Enabling major innovations
- Value for money
- Political reasons

8. Based on your experience, what do you think are the main PPPs limitations?

- Increased financing costs
- Limits government's flexibility
- New risks from complex procurement process
- Legal issues
- Greater possibility for unforeseen challenges

6. Research Purpose

9. Based on your experience, How likely are these risks to happen in PPP transportation projects?

	Very unlikely	Somewhat unlikely	Neutral	Somewhat likely	Very likely
Site risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operating risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Legal risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Political risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. In your view, is there a strong public support for PPP transportation projects?

- Yes
- No

7. Research Purpose

11. Which types of transportation projects are best suited for PPP?

- Economically viable
- Value for money
- Mutual benefits for all parties
- High scope of innovation
- High risk projects

Other (please specify)

12. Have you experienced any failure in the PPP projects you have been involved in?

- Yes
- No

13. Based on your experience, How critical are these causes of PPP projects failure?

	Not important	Somewhat important	Important	Very important	Critically important
Length of contract period	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inappropriate sharing of risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inaccurate travel demand forecasts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complicated requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public resistance to pay toll fees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of competitive procurement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. Research Purpose

14. Based on your experience, what do you think are the factors that lead to a successful PPP?

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
Appropriate risk allocation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strong private organization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project technical feasibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Good governance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Favorable legal framework	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Political support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Well organized public agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. What recommendations do you have to improve the accuracy of travel demand forecasts for estimating toll revenues?

- Provide better training for modeling and planning staff
- Collect better or more traffic data
- Improve methods for travel demand forecasting modeling
- Conduct more risk assessments in forecasts

Other (please specify)

16. Any experience with PPP transportation projects that you would like to share?