Partnership US Department of Transit

Analysis of Roadway Safety Under Alternative Project Delivery Systems

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PPP & Safety?

• Unsafe roads
  – Poor design
  – Poor pavement conditions

• What is the relationship between PPP and Safety?

• What contractual terms lead to safer road design and performance?
Safety Data - Correlations

• Range 2011 -2015

• Statistical Analysis safety rates
  – Fatalities, injuries, crash rates & traffic
  – Highways (11 PPP, 17 non-PPP)
  – Localities/cities (11 PPP)
  – States roads (5 PPP)

• Content Analysis on Contract Language
Statistical Analysis

Yes! PPP roads are safer

Fatality, Injury, and Accident Rates for the State, Locality, Public Highways, and PPP Projects. Mean performance over 2011 to 2014
Content Analysis of Contract Language

- Contract Content Analysis (17 PPP in 8 states)
  - Safety as a goal (76%)
  - Safety proposal evaluation criteria (~50%)
  - No safety incentives

- CERC created a guide for linking contractors’ compensation to roadway safety outcomes.

Impact: Guideline for PPP contract incentives