

Identify Best Practices for Project Bundling using Semi-Structured Interviews



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Abstract

- Little research has been conducted to guide State Transportation Agencies (STAs) on the effective utilization of project bundling in a holistic approach
- This study presents the best practices of project bundling method that helps STAs implement the method more efficiently

Objectives

- To qualitatively investigate the strategies that different agencies have applied in project bundling using a semi-structured interviews

Data and Methodology

- Data Source: Semi-Structured Interview
- Survey Participants 15 STA representatives and 1 Local Agency
- Research Method: Semi-structured Interview Research Method
- Data Analysis: Qualitative Data Analysis using NVivo.

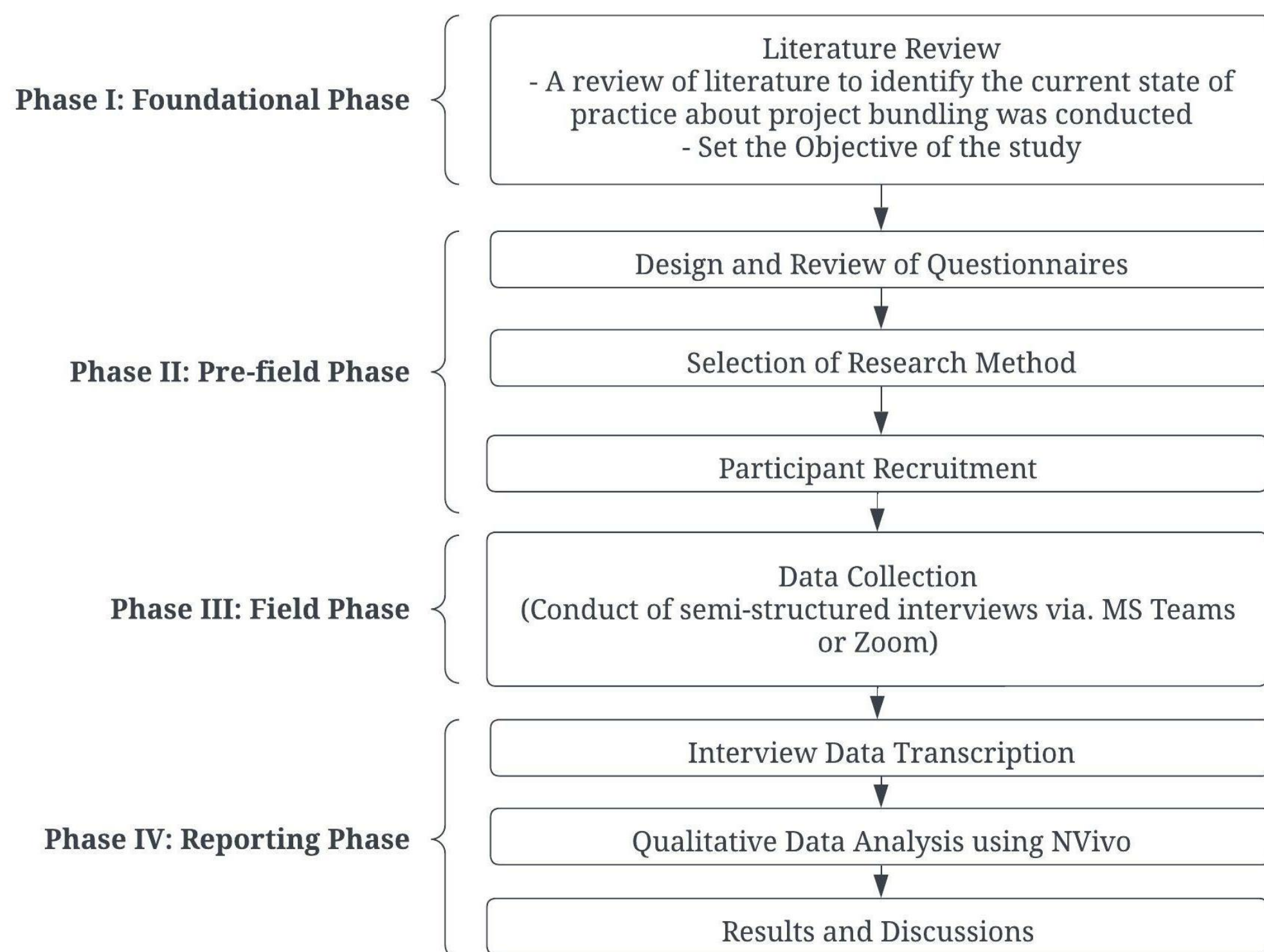


Figure 1. Case Study Methodology for the Study

Results



Figure 2. Major Goals to Achieve during Bundling by STAs

Results

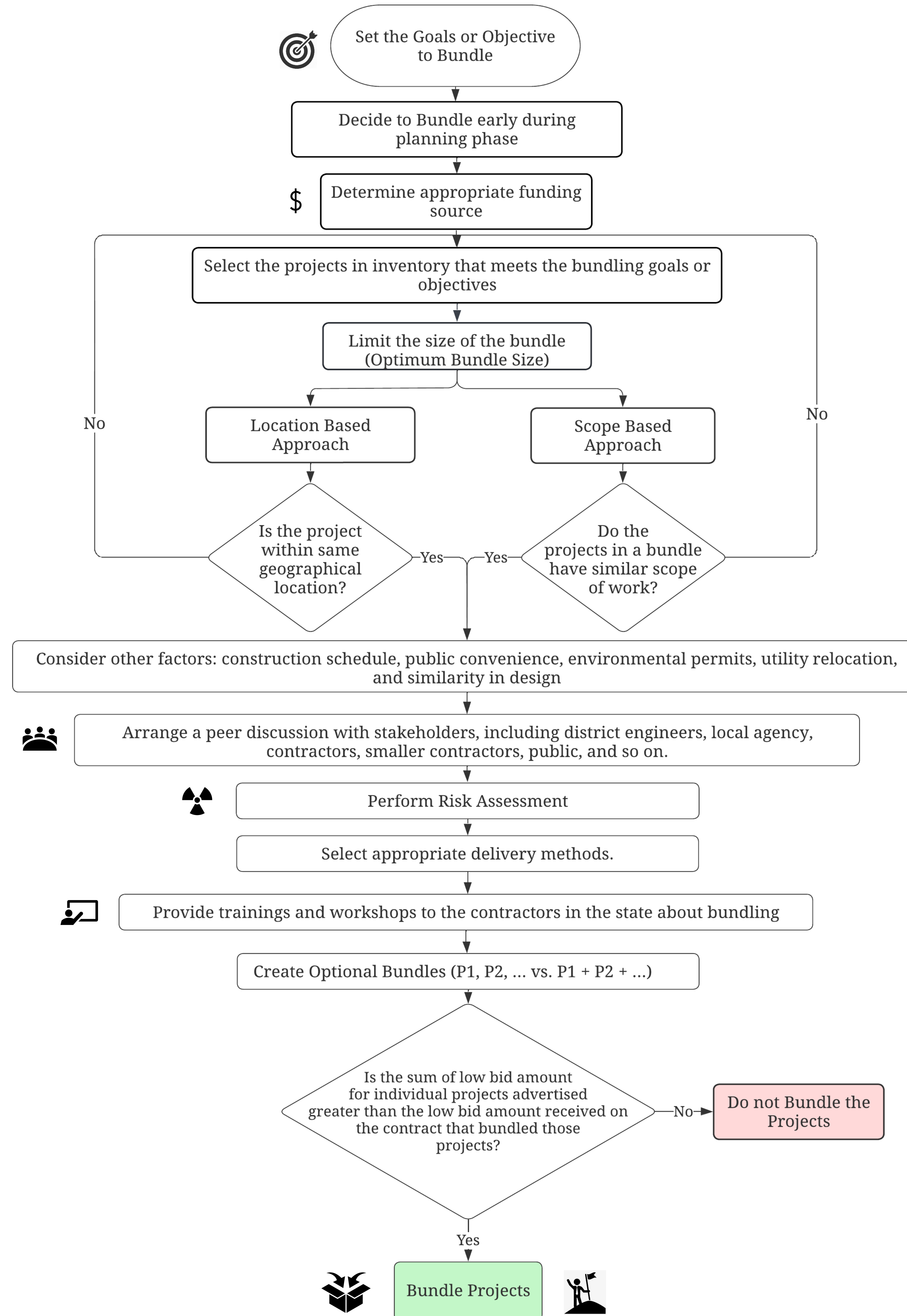


Figure 3. Best Practice Flowchart for Project Bundling

Results

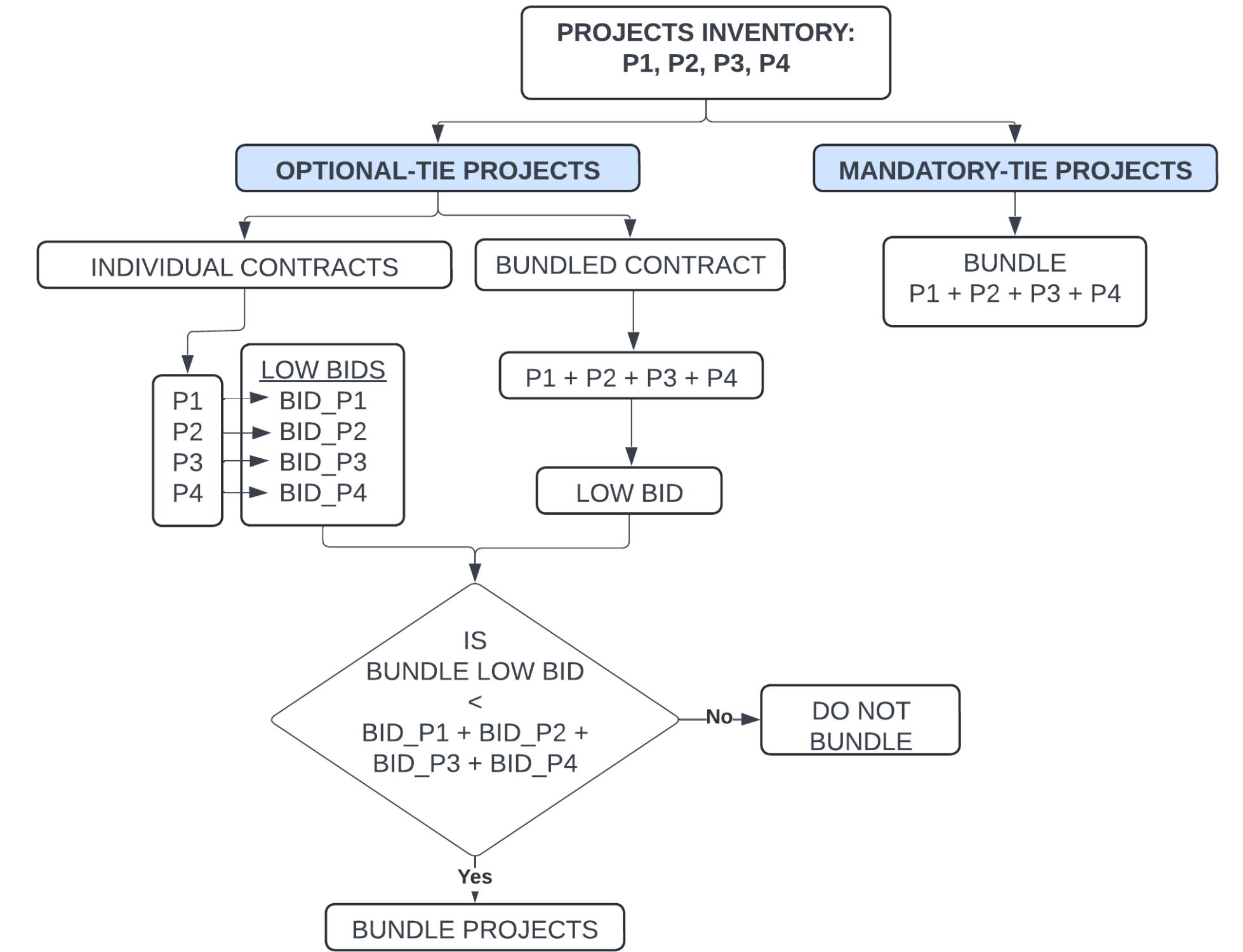


Figure 4. Difference between Optional-Tie and Mandatory-Tie Project

Conclusion and Contribution

- Optional-Tie projects can be an effective bundling approach to STAs. It can provide a quantitative comparison between the bundled contract and the projects in that bundle if let individually.
- STAs successfully implement the project bundling method using two general approaches: scope-based approach and location-based approach.
- Sometimes, the agencies decide to unbundle a project if issues such as design defects, utility relocation issues, railroad coordination, and so on occur in the later phase. This will prevent a construction delay and the risks of over-allocating funds to the bundle.

Future Works and Recommendation

- Case studies on the project bundling using different alternative project delivery methods should be examined in future research.
- Future research may focus more on risk management strategies for project bundling method.

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