

跨域加值公共建設財務規劃分析-以深層海水取供水工程為例

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摘要 過去政府公共建設計畫之擬定與預算編列，皆以個別公共建設支出項目為主，未能整合周邊土地發展計畫與效益，致產生資金需求與財政預算間供給缺口日益擴大及公共建設效益為少數人獨享等問題，於是行政院於 101 年制定「跨域加值公共建設財務規劃方案」及相關審查作業要點，以作為審議各政府機關所提出公共建設計畫之參據。

目前從事公共建設規劃之工程人員多對於跨域加值方法與工程財務規劃分析之作業較不熟悉，因此，本研究目的即在於以深層海水創新研發中心取供水工程為案例，探討公共建設專案計畫不同決策方案內容對於其財務分析結果之影響，並就不同決策因子進行敏感性分析，以期提供各部會未來擬訂相關公共建設計畫時，進行跨域加值財務規劃分析之參考。

關鍵詞：跨域加值、公共建設、財務規劃、深層海水、敏感性分析。

Project for Cross-Field Value-Adding in Public Works Financial Planning – Taking the Project for Deep Ocean Water Intake Pipeline as an Example

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ABSTRACT The planning public works projects and allocating budgets for government was focused on individual public works in the past. This meant that they were unable to integrate land development projects and benefits, and gave rise to some problems. Therefore, the Executive Yuan draw up “Project for Cross-Field Value-Adding in Public Works Financial Planning” and examined regulations.

Most of the engineers are not familiar with cross-field value-adding and financial planning, so this study is taking the project for intake pipeline of the Deep Ocean Water Innovative R & D Center of MOEA as an example, and its goal is to know the influence on financial planning of the project for different decision-making factors and proceed financial sensitivity analysis. Therefore, it can be taken for reference when people are planning project for public works and need to proceed financial planning and analysis.

Key Words : Cross-Field Value-Adding, Public Works, Financial Planning, Deep Ocean Water, Sensitivity Analysis.

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