Title of Article: Sustainability Strategies in Engineering Infrastructure Maintenance in Developing Countries: Selected South Western Nigeria States Case Study

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Abstract: It is an undeniable fact that production of maintenance-free infrastructure is not feasible. The reality is that all the elements and components that make up an engineering infrastructure unavoidably, deteriorates with time due to inherent defects in design and construction, and the effects of environmental agents and users activities. All engineering infrastructures are subject to aging, wear and tear in the performance of their functions and deterioration by exposure to outside operating environment. Hence, left to themselves, engineering infrastructures will eventually become inefficient, unreliable and fail. The issue then is how the existing infrastructure can be sustained to the extent that the functions they are designed to perform will not be compromised. To this end, this study researched into sustainability strategies that can be adopted in engineering infrastructure maintenance. Data will be collected for purpose of extracting information on deployable strategies, including the use of Public engineering infrastructure in Southwestern part of Nigeria as case study. The study later recommended strategies than can be adopted to aid this present generation provide solution to their environmental needs without compromise ability of future generation to meet their needs, which concept of sustainability has birthed.

Key Words: Sustainability, Strategy, Infrastructure and Maintenance.