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Nota di contenuto	Quantitative Measures of Social Sustainability for Pavements -- Assessing the ecological impact of different asphalt mix designs following a cradle to gate approach -- Effect of Transportation on Environmental Burdens of Blended Cements Made with Imported and Domestic Supplementary Cementitious Materials -- Updates and

Demonstration of the FAA Airfield Life Cycle Assessment Tool A
Taxiway Case Study -- Recommended to Include Relevant Material
Performance in the Construction Material Environmental Product
Declarations -- Life Cycle Assessment of Asphalt Concrete
Construction Stage and Impacts of Construction Equipment Idling --
Life Cycle Cost and Environmental Impacts of Portland Limestone
Cement and Calcium Sulfoaluminate Cement as alternative binders in
Concrete -- RolRoad LCA a web based application for estimating the
excess fuel consumption and environmental impacts due to the rolling
resistance of passenger cars.

Sommario/riassunto

An increasing number of government agencies, academic institutes, and industrial organizations are embracing the principles of sustainability in managing their activities. Life Cycle Assessment (LCA) is an approach developed to provide decision support regarding the environmental impact of industrial processes and products. LCA is a field with ongoing research, development and improvement and is being implemented world-wide, particularly in the areas of pavement, roadways, and bridges. The Proceedings of Pavement, Roadway, and Bridge Life Cycle Assessment contain contributions to the International Symposium on Pavement, Roadway, and Bridge Life Cycle Assessment 2024 (Arlington, VA, USA, June 6-8, 2024) covering research and practical issues related to pavement, roadway and bridge LCA, including data and tools, asset management, materials, environmental product declarations, structure types, procurement, planning, vehicle interaction, and construction. Pavement, Roadway, and Bridge Life Cycle Assessment Proceedings will be of interest to researchers, professionals, and policy-makers in academia, industry, and government who are interested in the sustainability of pavements, roadways, and bridges. An increasing number of government agencies, academic institutes, and industrial organizations are embracing the principles of sustainability in managing their activities. Life Cycle Assessment (LCA) is an approach developed to provide decision support regarding the environmental impact of industrial processes and products. LCA is a field with ongoing research, development and improvement and is being implemented world-wide, particularly in the areas of pavement, roadways, and bridges. The Proceedings of Pavement, Roadway, and Bridge Life Cycle Assessment contain contributions to the International Symposium on Pavement, Roadway, and Bridge Life Cycle Assessment 2024 (Arlington, VA, USA, June 6-8, 2024) covering research and practical issues related to pavement, roadway and bridge LCA, including data and tools, asset management, materials, environmental product declarations, structure types, procurement, planning, vehicle interaction, and construction. Pavement, Roadway, and Bridge Life Cycle Assessment Proceedings will be of interest to researchers, professionals, and policy-makers in academia, industry, and government who are interested in the sustainability of pavements, roadways, and bridges.
