ASCE Manuals and Reports on Engineering Practice No. 113

# Substation Structure Design Guide

Second Edition



Recommended Practice for Design and Use

Task Committee on Substation Structure Design Edited by George T. Watson, P.E.





# **Asce 113 Substation Structure Design Guide**

**Leon Kempner** 

#### **Asce 113 Substation Structure Design Guide:**

Substation Structure Design Guide Leon Kempner, 2008 MOP 113 provides a comprehensive resource for the structural design of outdoor electrical substation structures **Design of Electrical Transmission Lines** Sriram Kalaga, Prasad Yenumula, 2016-12-19 This book covers structural and foundation systems used in high voltage transmission lines conductors insulators hardware and component assembly In most developing countries the term transmission structures usually means lattice steel towers The term actually includes a vast range of structural systems and configurations of various materials such as wood steel concrete and composites This book discusses those systems along with associated topics such as structure functions and configurations load cases for design analysis techniques structure and foundation modeling design deliverables and latest advances in the field In the foundations section theories related to direct embedment drilled shafts spread foundations and anchors are discussed in detail Featuring worked out design problems for students the book is aimed at students practicing engineers researchers and academics It contains beneficial information for those involved in the design and maintenance of transmission line structures and foundations For those in academia it will be an adequate text book design guide for graduate level courses on the topic Engineers and managers at utilities and electrical corporations will find the book a useful reference at work Substation Structure Design Guide George T. Watson, 2023 MOP 113 second edition documents electrical substation structural design practice and gives guidance and recommendations for the design of outdoor electrical substation structures Structural Engineering Handbook, Fifth Edition Mustafa Mahamid, Edwin H. Gaylord, Charles N. Gaylord, 2020-04-17 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product The industry standard guide to structural engineering fully updated for the latest advances and regulations For 50 years this internationally renowned handbook has been the go to reference for structural engineering specifications codes technologies and procedures Featuring contributions from a variety of experts the book has been revised to align with the codes that govern structural design and materials including IBC ASCE 7 ASCE 37 ACI AISC AASHTO NDS and TMS Concise practical and user friendly this one of a kind resource contains real world examples and detailed descriptions of today s design methods Structural Engineering Handbook Fifth Edition covers Computer applications in structural engineering Earthquake engineering Fatique brittle fracture and lamellar tearing Soil mechanics and foundations Design of steel structural and composite members Plastic design of steel frames Design of cold formed steel structural members Design of aluminum structural members Design of reinforced and prestressed concrete structural members Masonry construction and timber structures Arches and rigid frames Bridges and girder boxes Building design and considerations Industrial and tall buildings Thin shell concrete structures Special structures and nonbuilding structures Maintenance and Safety of Aging <u>Infrastructure</u> Dan Frangopol, Yiannis Tsompanakis, 2014-10-23 This book presents the latest research findings in the field of

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