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Wood Pole Structures for Electrical Transmission Lines

RECOMMENDED PRACTICE FOR DESIGN AND USE



Task Committee on Recommended Practice for Wood Pole Structures for



STRUCTURAL ENGINEERING INSTITUTE

Wood Pole Structures for Electrical Transmission Lines Recommended Practice for Design and Use

Prepared by the Task Committee on Recommended Practice for Wood Pole Structures for Electrical Transmission Lines of the Structural Engineering Institute of the American Society of Civil Engineers

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CONTENTS

PREFACEix								
ACKNOWLEDGMENTSxi								
DE	FINIT	IONS	xiii					
1.	STRU	CTURAL CONFIGURATIONS AND						
	POLE	APPLICATIONS	1					
	1.1	General	1					
	1.2	Configurations	2					
	1.3	Electric Utility Applications and	_					
		Structural Configurations	7					
2.	INITI	AL CONSIDERATIONS	13					
	2.1	General	13					
	2.2	Physical Characteristics	15					
	2.3	Clearances and Pole Length	16					
	2.4	Loads and Pole Class	16					
	2.5	Deflections						
	2.6	Transportation and Erection	19					
	2.7	Attachments	19					
	2.8	Guying	20					
	2.9	Climbing and Maintenance	21					
	2.10	Grounding	22					
3	MATE	ERIALS						
	3.1	General	25					
	3.2	Physical Properties						
	3.3	Preservative Treatment						

CONT	ENTS
------	------

4.	DESIG	GN OF WOOD POLE STRUCTURES		
	4.1	General		
	4.2	Structural Design Objective and Methodology		
	4.3	Analysis and Design		
	4.4	Localized Bending Capacity Reduction Because		
		of Bolt Holes or Other Defects		
	4.5	Resiliency		
5.	CON			
	5.1	General		
	5.2	Through Bolts		
	5.3	Banded Connections	51	
	5.4	Connection Design Considerations		
	5.5	Connection Failure Modes		
	5.6	Installation Considerations	60	
6.	WOOD POLE FOUNDATIONS AND ANCHORING		65	
	6.1	General	65	
	6.2	Design Considerations	69	
	6.3	Foundation Types	71	
	6.4	Anchorage	79	
	6.5	Foundation Summary		
7.	MAN	MANUFACTURING AND QUALITY ASSURANCE		
	7.1	General		
	7.2	Manufacturing Process		
	7.3	Quality Assurance/Quality Control	100	
8.	ASSE	ASSEMBLY AND ERECTION		
	8.1	General		
	8.2	Storage		
	8.3	Handling		
	8.4	Transportation		
	8.5	Pole Cutting		
	8.6	Assembly		
	8.7	Connections		
	8.8	Field Drilling		
	8.9	Pole Gaining		
	8.10	Erection		
	8.11	Climbing	110	
	8.12	Disposal	110	
	8.13	Miscellaneous Considerations	111	

vi

CONTENTS

9.	INSPECTION, ASSESSMENT, MAINTENANCE,		
	AND	REPAIR	113
	9.1	General	113
	9.2	Regulatory Inspection Requirements	113
	9.3	Agents of Deterioration and Damage	114
	9.4	Traditional Wood Pole Inspection and Assessment	
		Practices	120
	9.5	Serviceability Decisions	126
	9.6	Additional Nondestructive Evaluation Inspection Tools	
		and Processes	127
	9.7	Remedial Treatments	127
	9.8	Restoration	128
AP	PEND	IXES	
A.	RESI	LIENCY OF WOOD POLE OVERHEAD LINES	133
B.	TRA	NSMISSION POLE DESIGN EXAMPLES	139
C.	LAM	INATED WOOD POLES	169
D.	OUA	LITY AND STRENGTH ASSESSMENT TOOLS	
	ÃND	DEVICES	177
E.	FOU	NDATION EXAMPLE	181
IN	DEX		

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PREFACE

The purpose of this manual is to provide the reader with a basic knowledge of the principles and methods for the design and use of wood poles for overhead utility line structures. This manual is the result of a multiyear collaborative effort by engineers and technical experts from electric utilities, consulting firms, academia, and manufacturers engaged in the design and application of these structures.

Every effort has been made to ensure the accuracy and clarity of this document. The user is reminded that utility line structures are an integral part of a larger overhead line system and therefore cautioned that the application of these structures should come only after sound engineering judgment has been applied. Furthermore, as an overall treatise covering a wide variety of line applications, this document cannot conceivably satisfy all conditions. The user should bear in mind that often there will be specific local conditions and requirements that may dictate design and usage conditions that differ from those described herein.

The task committee is grateful for the dedicated effort of all who participated in the development of this manual.