



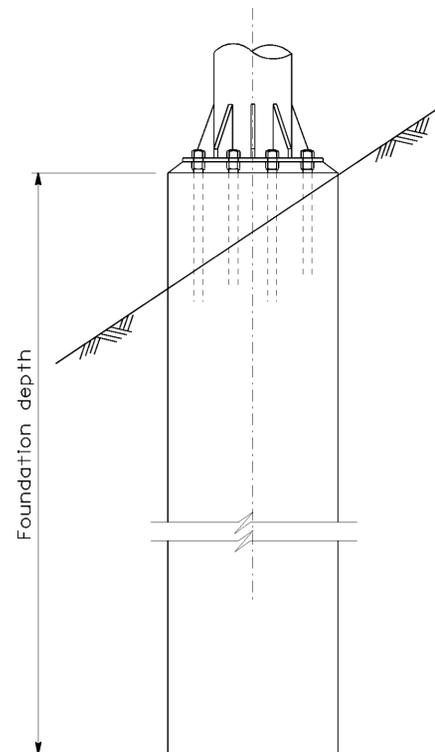
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
REGISTERED ENGINEER - CIVIL					
PLANS APPROVAL DATE					

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SOIL RANGE	Unconfined compression kpa (Clay soils only)	Standard penetration blows per 305 mm of penetration, (Both clay and sandy soils)	Direct shear kpa	OVERHEAD TRUSS - PILE FOUNDATION DEPTH (m)													
				POST TYPE	SINGLE POST TYPE						TWO POST TYPE						
					II	III	IV	V	VI	VII	VIII	I-S	II-S	III-S	IV-S	V-S	VI-S
145	15	72		4.0	4.3	4.3	4.6	4.6	5.8	6.4	4.9	4.9	5.5	5.8	6.1	7.9	7.9
85	9	45		4.6	4.9	5.2	5.5	5.5	6.7	7.6	5.8	5.8	6.4	6.7	7.6	10.1	10.1
60	6	30		4.9	5.5	5.8	6.1	6.1	7.9	9.1	6.7	6.7	7.3	7.9	8.8	11.9	11.9
30	3	15		1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.5
Lower values require special investigation				See Standard Plans - Sign Plans													

NOTE:

The purpose of this chart is to aid the designer in selecting a CIDH pile foundation depth at locations where a soil investigation has been made. A soil investigation is required when the existing soil is not equal to freeway fill material. For weak soil conditions such as bay mud, the usual foundation is a driven pile type. This foundation should be designed by the Division of Structures. Special soil investigations to provide shorter CIDH piles are usually not economical.



PILE FOUNDATION

NOTE: For details of pile not shown, see Standard Plans

THIS SHEET NOT A PART OF CONTRACT PLANS

OVERHEAD SIGNS-TRUSS

PILE FOUNDATION DEPTH SELECTION

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