

LAST REVISED: 07/07/2023

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LOAD COMBINATIONS:

FOR SPLIT BOX BURIED STRUCTURES THE FOLLOWING COMBINATIONS SHALL BE INVESTIGATED AT THE LIMIT STATES SHOWN, IN ACCORDANCE

STRENGTH I = γ DC + γ DW+ γ EH + γ EV + γ ES + 1.75 LS + 1.75 (LL+IM) + 1.00 WA + 1.00 BY + γ

SERVICE = 1.00 DC + 1.00 DW + 1.00 EH + 1.00 EV + 1.00 ES + 1.00 LS + 1.00 (LL+IM) + 1.00 WA + 1.00 BY + γ

EXTREME I = 1.00 DC + 1.00 DW + 1.00 EH + 1.00 EV + 1.00 ES + 1.00 LS + γ (LL+IM) + 1.00 WA + 1.00 BY + 1.00 EQ

EXTREME II = 1.00 DC + 1.00 DW + 1.00 EH + 1.00 EV + 1.00 ES + 1.00 LS + 0.50 (LL+IM) + 1.00 WA + 1.00 BY + 1.00 IC

D OF STRUCTURAL	γ	FOR DC = 1.25 MAX./0.90 MIN.
NTS	γ	FOR DW = 1.50 MAX./0.65 MIN.
AD OF WEARING	γ	FOR EH & EV = 1.35 MAX./0.90 MIN.
	γ	FOR ES = 1.50 MAX./0.75 MIN.
AL EARTH PRESSURE	γ	= 1.20 FOR DEFORMATIONS, 0.50/1.00
JRCHARGE		FOR ALL OTHER EFFECTS
AKE	γ	= 0.50
EARTH PRESSURE		
LOAD PLUS DYNAMIC		
> ALLOWANCE		
SURCHARGE		
TITIC PRESSURE		

1. K SHOULD BE USED IN EH COMPUTATIONS FOR ALL LIMIT STATES, UNLESS OTHERWISE NOTED BY GEOTECHNICAL ENGINEER.

2. EQ LOADING INCLUDES BOTH LATERAL RACKING DEFORMATION AND VERTICAL

3. EXTREME II LIMIT STATE LOAD COMBINATION RELATES TO SCOUR AND ICE DESIGN.

4. LOADS AND LOAD FACTORS FOR CONSTRUCTION SHALL BE IN ACCORDANCE WITH BDM

S:	

 $\langle 1 \rangle$ AS DETERMINED BY THE HYDRAULIC ENGINEER

 $\langle 2 \rangle$ AS DETERMINED BY THE GEOTECHNICAL ENGINEER

	BURIED STRUCTURES	BRIDGE SHEET NO.
ortation		SHEET
	THREE-SIDED STRUCTURE	OF
	GENERAL LOAD COMBINATIONS	SHEETS