

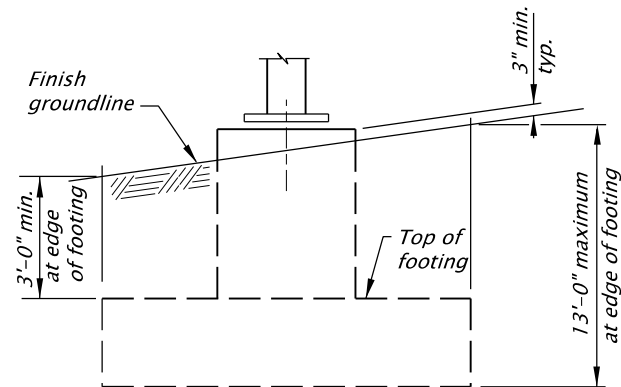
Type B – SOIL CONDITION BUOYANT							
Spread Footings Foundation Design Number	SPAN "S" (max.)	Length	Width	Bars a	Bars b	Bars c	Bars d
1B	69'	29'-0"	14'-6"	22-#7	24-#6	24-#5	22-#6
2B	89'	30'-0"	15'-0"	24-#7	26-#6	26-#5	24-#6
3B	108'	31'-6"	15'-9"	26-#7	30-#6	30-#5	26-#6
4B	128'	32'-6"	16'-3"	30-#7	34-#6	34-#5	30-#6
5B	148'	33'-6"	16'-9"	34-#7	38-#6	38-#5	34-#6
6B	167'	34'-6"	17'-3"	38-#7	42-#6	42-#5	38-#6

References:
1. *Standard Specification for Highway Bridges*, 16th Ed., AASHTO, 1996, Section 4.4.7.1.1.
2. Meyerhoff, G.G. (1953), *The Bearing Capacity of Foundations Under Eccentric and Inclined Loads*, *Proceeding of Third ICSMFE*, vol. 1, pp. 440-445.

Splice reinforcing steel at alternate bars, staggered at least one splice length or as far as possible, unless shown otherwise.



Advisory Note:
These standard reactions are located at the base of the end truss posts and are the total reaction for the foundation at one end of the bridge due to Group II loading. They include the loading from the maximum sign area listing on Dwg.# TM606, support arms and an "HP" = 36 feet. Group I and III loadings are summarized in the calculation book.



TYP. GROUND COVER and
GROUNDLINE DETAILS
FOR FOOTINGS
No Scale



Accompanied by dwgs. TM606, TM607, TM 608, TM609, TM610, TM612

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS
STANDARD TRUSS TYPE VMS
BRIDGE 50' TO 167' SPAN RANGE
STD. SPREAD FTG. FOUNDATION
DETAILS
2024

DATE	REVISION	DESCRIPTION

CALC.
BOOK NO. - - - **5014** - - -

SDR
DATE_ **06-JUL-2015** _

TM611