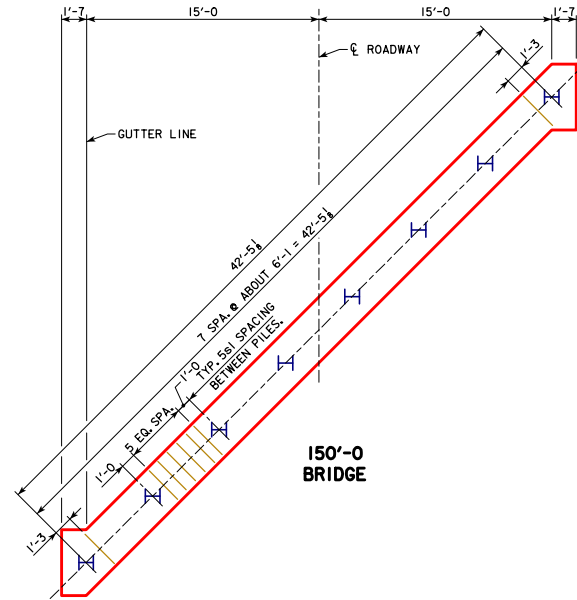


70'-0, 80'-0,
90'-0, 100'-0,
110'-0, 120'-0,
130'-0, & 140'-0
BRIDGES



150'-0
BRIDGE

NOTE:
ALL PILES ARE TO BE ORIENTED WITH WEBS PERPENDICULAR
TO THE CL OF THE ROADWAY AS SHOWN.

**PILE PLAN - 45° SKEW
STEEL PILING**

NOTE: ALL PILING HP 10x42.

| NUMBER OF PILES AND ABUTMENT DESIGN LOADS | | | | | | | | | |
|-------------------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| BRIDGE LENGTH | 70'-0 | 80'-0 | 90'-0 | 100'-0 | 110'-0 | 120'-0 | 130'-0 | 140'-0 | 150'-0 |
| PILING - NUMBER | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| PU, STRENGTH I DESIGN LOAD - KIPS | 419 | 444 | 468 | 499 | 528 | 562 | 595 | Δ 691 | Δ 729 |

Δ INCLUDES DYNAMIC LOAD ALLOWANCE
NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

| | |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 08-2020 LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER | |
| | STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006 |
| | ABUTMENT DETAILS 45° SKEW - STEEL PILING |
| J30-38-06 | |

REVISED 06-2013; REVISION FOR LRFD PILE DESIGN.
 REVISED 09-2020; UPDATED BRIDGE ENGINEER SIGNATURE.