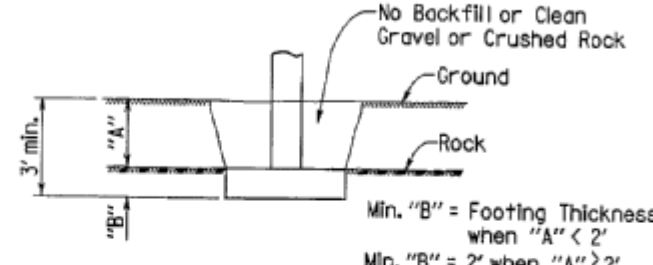
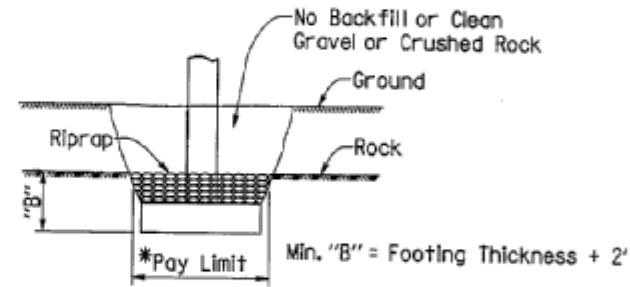
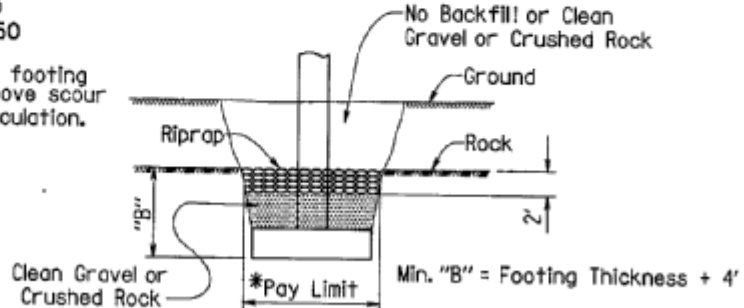


AHTD-BRIDGE DIVISION
GUIDELINES FOR FOUNDING FOOTINGS IN ROCK

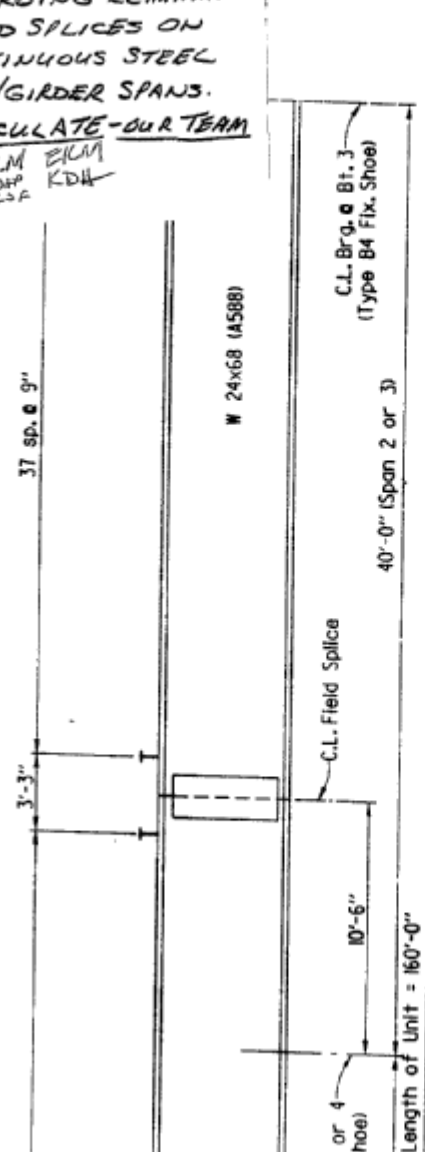
The scourability of rock formations supporting bridge foundations must be taken into account during the design of a structure. The three options shown below are suggestions only and are not intended to be used exclusively or without a full review of each bridge site. No scour calculations required for Case 1 or Case 2.

<p>CASE 1 RQD > 75</p>	 <p>Min. "B" = Footing Thickness when "A" < 2' Min. "B" = 2' when "A" ≥ 2'</p>
<p>CASE 2 50 < RQD ≤ 75</p>	 <p>Min. "B" = Footing Thickness + 2'</p>
<p>CASE 3 RQD ≤ 50</p> <p>Use when footing placed above scour depth calculation.</p>	 <p>Min. "B" = Footing Thickness + 4'</p>
<p>*Add 4" outside footing size for pay for riprap volume-however, require riprap to cover excavated hole. Size of riprap determined by Design Engineer.</p> <p align="right">Approved By: <u>DFL</u> Date: <u>6-13-94</u></p>	

6/14/94
 PER DFL, LET'S BEGIN
 ADDING THE NOTE
 REGARDING ELIMINATING
 FIELD SPLICES ON
 CONTINUOUS STEEL
 BEAM/GIRDER SPANS.
 CIRCULATE-OUR TEAM

WTF LM ELM
 JEC OFF KDA
 JWT CSA

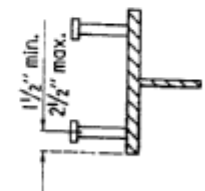
PLAN
 1'-0"



CAL BEAM ELEVATION
 No Scale

Notes For details of Type D Exp. Shoe and
 Type B4 Fixed Shoe, see drwg. no. 34778.

Note: Bolted Field Splices shown may be eliminated or shop welded splices
 may be substituted with approval of the Bridge Engineer. Payment will be
 made on the basis of the ~~bolted-splice shown~~
PLAN QUANTITIES.



Stud Shear Connectors shown shall be 3/8" x 4"
 long, granular flux filled, solid fluxed or equal, and
 automatically end welded to the beam flange in
 accordance with the recommendations of the Manu-

