CONCRETE GLARE SCREEN CROSS-SECTION

MATCH JOINTS IN CONCRETE BARRIER (SEE NOTES)

4 "D" BARS EQUALLY SPACED WHEN JOINT SPACING IS LESS THAN 20'
5 "D" BARS EQUALLY SPACED WHEN JOINT SPACING IS LESS 20' OR GREATER

ELEVATION VIEW OF CONCRETE GLARE SCREEN REINFORCED WITH "D" BARS

MATCH JOINTS IN CONCRETE BARRIER (SEE NOTES)

6 DOWEL BARS EQUALLY SPACED WHEN JOINT SPACING IS 20' OR LESS
7 DOWEL BARS EQUALLY SPACED WHEN JOINT SPACING IS GREATER THAN 20'

ELEVATION VIEW OF CONCRETE GLARE SCREEN REINFORCED WITH DOWELS AND LONGITUDINAL BARS
CONCRETE GLARE SCREEN ENDINGS
(USE SAME ENDING WHEN REINFORCEMENT IS OMITTED)

ELEVATION WHEN "D" BARS ARE USED

ELEVATION WHEN LONGITUDINAL BAR AND DOWEL BARS ARE USED

NOTES:

CONTRACTION JOINTS SHALL BE FORMED AND EDGED TO A DEPTH OF AT LEAST 1" ON BOTH SIDES.

MATCH CONTRACTION JOINTS IN CONCRETE GLARE SCREEN WITH PLANE OF WEAKNESS JOINTS IN CONCRETE BARRIER, AND MATCH EXPANSION JOINTS IN CONCRETE GLARE SCREEN WITH EXPANSION JOINTS IN CONCRETE BARRIER.


EXPANSION JOINTS SHALL BE CONSTRUCTED BY INSERTING A 1" FIBER JOINT FILLER IN LINE WITH EXPANSION JOINTS IN THE CONCRETE BARRIER. ALL EDGES AND JOINTS SHALL BE ROUNDED, EXCEPT THE BASE WHEN IT IS LESS THAN THE WIDTH OF THE CONCRETE BARRIER.

WHEN THE LONGITUDINAL BAR IS FED IN CONTINUOUSLY IN LIEU OF TYING TO THE DOWEL BAR, CONTRACTION JOINTS SHALL BE SAWED, CUTTING REINFORCING STEEL, AFTER CONCRETE HAS BEEN ALLOWED TO HARDEN.

SIDE SLOPE OF THE CONCRETE GLARE SCREEN SHALL MATCH SIDE SLOPE OF ADJOINING CONCRETE BARRIER.

REINFORCEMENT IN CONCRETE GLARE SCREEN SHALL BE GRADE 40 STEEL.

KINKED LONGITUDINAL BARS SHALL NOT BE USED.

WHEN CONCRETE GLARE SCREEN IS INCLUDED IN THE SAME CONTRACT WITH CONCRETE BARRIER AND CONCRETE BARRIER, SPLIT, THE TWO STRUCTURES SHALL BE CAST MONOLITHICALLY; NO STEEL REINFORCEMENT IS REQUIRED. WHEN CONCRETE GLARE SCREEN IS TO BE PLACED ON CONCRETE BARRIERS HAVING VARIABLE HEIGHT, THE CONTRACTOR WILL HAVE THE OPTION OF CASTING MONOLITHICALLY OR SEPARATELY. WHEN CAST SEPARATELY, THE GLARE SCREEN WILL BE REINFORCED AS SPECIFIED ON SHEET 1 OF THIS PLAN.