DETAIL GUARDRAIL TRANSITION ASSEMBLY CONNECTION TO BRIDGE GUARDRAIL-ELEV. 1:10

NOTE: UNLESS OTHERWISE SPECIFIED BY THE MINISTRY, BOTH ENDS SHALL HAVE STANDARD CRB-E EYES AND END KEY VOIDS. AS SHOWN HERE. THE MINISTRY MAY SPECIFY ONE "HOOK AND KEY" END AS PER THE CRB-H BC MOT STD. DWG. FOR THE END FARTHEST FROM THE BRIDGE, IF REQD TO SUIT CONNECTION TO OTHER BARRIERS, WHEN AN ODD NUMBER OF BARRIERS IS REQUIRED.

NOTE: HIDDEN LINES NOT SHOWN FOR CLARITY

NOTE: EXPANSION GAP DIST. AT EACH BRIDGE END TO BE SPECIFIED BY PROFESSIONAL ENGINEER TO ACCOUNT FOR TEMPERATURE MOVEMENT. J. ENG. TO CHECK ADEQUACY OF SLOT LENGTHS IN SPLICE TUBES IF BRIDGE LENGTH >50m, AND MODIFY AS REQ'D.

NOTE: FOR FIBRILLATED FIBRE REINFORCED CRB ONLY: USE 2 HORIZ. 15M BARS BETWEEN MK E2 ANCHORS - ONE ON EACH SIDE OF VERT. DUCTS.

SECTION GUARDRAIL TRANSITION ASSEMBLY CONNECTION TO MODIFIED CRB-E 1:10

SECTION MODIFIED CRB-E FOR "CONNECTED" CONCEPT - END VIEW 1:10

THEORETICAL (DASHED) LINE - EXTRAPOLATIONS OF STD. MOT CRB BASE

NOTE: CORNER VERT. FACE ALSO REQ'D FOR UNCONNECTED CONCEPT

NOTE: CORNER VERT. FACE RECO'D ON END NEAREST BRIDGE (SEE SECTION B & ELEV. FOR DIMENSIONS) ON TRAFFIC SIDE

REMAINDER OF DUCT & ROD HIDDEN LINES NOT SHOWN FOR CLARITY

4 - 250 HOLES IN END PLATE (FOR GALVANIZING)

2 - 250 x 152 LG BOLTS c/w 102 O.D. x 9.5t OVERSIZED PLATE WASHERS (BOLTS THROUGH ENG FACE LOCATION & KEY SLOT INTO COUPLERS CAST IN CRB END)

- EDGE NEAREST BRIDGE, ON TRAFFIC SIDE, TO BE CHAMFERED OR ROUNDED, FULL HEIGT/HORIZONTAL CONNECTED & UNCONNECTED

NOTE: FOR DIMENSIONS) ON TRAFFIC SIDE

NOTE: HIDDEN LINES NOT SHOWN FOR CLARITY

250 DALV COUPLER TP. MIN. TENSILE STRENGTH = 69KN c/w 20MMx152 LG REINF. THREADED ONE END, INSERTED 40 INTO COUPLER, LEAVING 60 OPEN TO ACCEPT 250 BOLT. COUPLERS NOT REQ'D FOR "UNCONNECTED" CONCEPT. AN ACCEPTABLE ALTERNATIVE TO THE EMBEDED COUPLER/REBAR (AND THE BOLT INSERTED INTO THE COUPLER) IS: 250 ASTM A193 B7 THREAD ROD (OVERSIZED PLATE WASHER, ROD TO BE INSERTED 200mm INTO DRILLED HOLE IN END OF CRB. USING HILTI HIT HY-250 OR MINISTRY APPROVED EQUIV.) INSTALLED ACCORDING TO MANUFACTURER'S REQUIREMENTS.

NOTE: DRILLING THROUGH MATCH CONC. BLOCK VERT. DUCTS. NOTE: DRILLING THROUGH REINFORCEMENT NOT ALLOWED.

KEY VOID TO FIT CONC. BLOCK KEYS. DRAWN APPROX. ONLY 2 TOT. IN THIS CRB. (ONLY REQ'D FOR CONC. DUCT OPTION 2)

SECTION MODIFIED CRB-E ELEV. 1:10

NOTE: EXPANSION GAP DIST. AT EACH BRIDGE END TO BE SPECIFIED BY PROFESSIONAL ENGINEER TO ACCOUNT FOR TEMPERATURE MOVEMENT. J. ENG. TO CHECK ADEQUACY OF SLOT LENGTHS IN SPLICE TUBES IF BRIDGE LENGTH >50m, AND MODIFY AS REQ'D.

NOTE: EXPANSION GAP DIST. AT EACH BRIDGE END TO BE SPECIFIED BY PROFESSIONAL ENGINEER TO ACCOUNT FOR TEMPERATURE MOVEMENT. J. ENG. TO CHECK ADEQUACY OF SLOT LENGTHS IN SPLICE TUBES IF BRIDGE LENGTH >50m, AND MODIFY AS REQ'D.