w:\squadj\r2610b\tbarbour\Microstation\strlconcrete\R-2610adavenport NOTES € GIRDER— FOR ELASTOMERIC BEARINGS, SEE SPECIAL PROVISIONS. AT ALL FIXED POINTS OF SUPPORT, NUTS FOR ANCHOR BOLTS -51mm Ø PIPE SLEEVE ARE TO BE TIGHTENED FINGER TIGHT AND THEN BACKED OFF 1/2 TURN. THE THREAD OF THE NUT AND BOLT SHALL THEN EXTENDING 3mm ABOVE SOLE PLATE WITH BE BURRED WITH A SHARP POINTED TOOL. STANDARD WASHER. THE 51mm Ø PIPE SLEEVE SHALL BE CUT FROM SCHEDULE 40 ₽ ``B-1'' — PVC PLASTIC PIPE. THE PVC PLASTIC PIPE SHALL MEET THE REQUIREMENTS OF ASTM D1785. STEEL SOLE PLATES, ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SEE DETAIL "A" SPECIFICATIONS. TYPICAL EACH SIDE OF GIRDER, FIXED PRIOR TO WELDING, GRIND THE GALVANIZED SURFACE OF THE - LOAD RATINGS -PORTION OF THE EMBEDDED PLATE AND SOLE PLATE THAT ARE OR EXPANSION END. TO BE WELDED. AFTER WELDING, DAMAGED GALVANIZED SURFACES MAX.D.L.+L.L. SHALL BE REPAIRED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. 1372mm PCG -TYPE V 801 KN 1372mm PCG -TYPE VI 936 kN WHEN WELDING THE SOLE PLATE TO THE EMBEDDED PLATE IN THE GIRDER, USE TEMPERATURE INDICATING WAX PENS. OR CAP — OTHER SUITABLE MEANS, TO ENSURE THAT THE TEMPERATURE OF THE SOLE PLATE DOES NOT EXCEED 149°C. TEMPERATURES ABOVE THIS MAY DAMAGE THE ELASTOMER. | 50.80mm Ø x 640mm ANCHOR BOLTS EXPANSION FIXED SOLE PLATE "P", BOLTS, NUTS, WASHERS, AND PIPE SLEEVE 380mm — SHALL BE INCLUDED IN THE PAY ITEM FOR PRESTRESSED SWEDGE SECTION E-E CONCRETE GIRDERS. (TYP.) ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A449 6 MIN. (TYP.) 6 MIN. (TYP.) NUTS SHALL MEET THE REQUIREMENTS OF AASHTO M291M-12 OR AASHTO M292M-2H. WASHERS SHALL MEET THE REQUIREMENTS OF 3 MIN. 3 MIN. 5mm RIB 5mm RIB AASHTO M293M. SHOP DRAWINGS ARE NOT REQUIRED FOR ANCHOR BOLTS, NUTS AND WASHERS. SHOP INSPECTION IS REQUIRED. (TYP.) (TYP.) —14 GAGE STEEL ₽ —14 GAGE STEEL ₽ 18 — 5mm STEEL ₽ ┌── 5mm STEEL 🖺 ALL SURFACES OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT. 38mm TYP. PLATE "P" 1 1/2° MOLD DRAFT DETAIL "A" 1 1/2° MOLD DRAFT 75mm TYP. ALL AROUND ALL AROUND 230 TYPICAL SECTION OF ELASTOMERIC BEARINGS TYPICAL SECTION OF ELASTOMERIC BEARINGS UP-STATION -SOLE ₽ ("P") E1 (16 REQ'D) E2 (8 REQ'D) € 50.80mm Ø BOL -ELASTOMERIC BEARING PLAN VIEW OF ELASTOMERIC BEARING PLAN VIEW OF ELASTOMERIC BEARING SOLE PLACEMENT DETAIL TYPE V TYPE VI TYPICAL HALF-PLAN PROJECT NO. R-2610B 140140 140140 CHATHAM STATION: 22+83.400-L-€ 62mm Ø € 62mm Ø HOLES © 62mm Ø − HOLES © 62mm Ø € 62mm Ø HOLES HOLES HOLES STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION € 65mm X 95mm € 62mm Ø+ HOLES © 62mm Ø HOLES SLOTS ELASTOMERIC BEARING P2 P3 (FIXED) P6 (FIXED) (FIXED) PRESTRESSED CONCRETE GIRDER (FIXED) (FIXED) (FIXED) (EXPANSION) (FIXED) P8 (2 REQ'D) SUPERSTRUCTURE P7 (1 REQ'D) P2 (3 REQ'D P3 (3 REQ'D : P4 (3 REQ'D) P5 (3 REQ'D) P1 (8 REQ'D) P6 (1 REQ'D) SEAL 10730 ASSEMBLED BY: H.T.BARBOUR CHECKED BY: D.A.DAVENPORT DATE : 5-14-04 DATE : 5-04 REVISIONS SOLE PLATE DETAILS ("P") NO. BY: DATE: BY: REV. 8/16/99 REV. 10/17/00 REV. 7/10/01 RWW/LES RWW/LES RWW/LES DRAWN BY: WJH 8/89

CHECKED BY : CRK 8/89

COUNTY

DETAILS —

SHEET NO. S-13 TOTAL SHEETS 60