## ITEM SPECIAL - PILE ENCASEME

ENCASE ALL CAST-IN-PLACE REINFORCED CONCRETE PILES FO CONCRETE SLUMP BETWEEN 6 AND 8 INCHES WITH THE USE OF A SUPERPLASTICIZER. PLACE THE CONCRETE WITHIN A FORM THAT CONSISTS OF POLYETHYLENE PIPE (707.33), OR PVC
PIPE (707.42) WHICH SHALL BE LEFT IN PLACE. THE ENCASEMENT SHALL EXTEND FROM 3 FEET BELOW THE FIIISHED GROUND PIER CAP. POSITION THE PIPE SO THAT AT LEAST 3 INCHES
OF CONCRETE COVER IS PROVIDED AROUND THE EXTERIOR OF THE PILE.
THE DEPARTMENT WILL MEASURE PILE ENCASEMENTS BY THE THE SUM AS THEAR FEET. THE DEPARTMENT WILL DETERMINE PILE FROM THE BOTTOM OF THE ENCASEMENT TO THE TOP OF THE ENCASEMENT, AS PER LIMITS NOTED ABOVE. THE DEPART PRICE FOR: ITEM SPECIAL - PILE ENCASEMENT


## PILE ENCASEMENT



## ITEM SPECIAL - PATCHING CONCRETE STRUCTURES, MISC.

addition to the work items required in 519, this item CLINCLUDE, THE CORING OF THE DECK TO PLACE THE CO OF THE EPOXY REINFORCING STEEL AND THE WIDENANG OF THE BUTMENT SEATS AS DETAILED IN THESE PLANS AND DESCRIBED HE FOLLOWING NOTE.
PROVIDE A CONCRETE MIX AT A SLUMP THAT ALOWS THE CONRRETE MIX TO BE PUMPED THROUGH A 4" DIAMETER ACCESS HOLE FROM TE TOP OF THE DECK AND SELF CONSOLIDATE,
EILING THE PATCH LOCATONS OF THE UNDERSIDE OF THE DECK THE ABUTMENT SEAT AND VERTICAL ABUTMENT WALL. THE FINNL CONCRETE MIX WILL BE SELF CONSOLIDATING CO

WHEN PERFORMING THE DISINTEGRATED CONCRETE REMOVAL,
PROVIDE PATCHES WITH A MININUM DEPTH OF 4 INCHES AND NO GREATER THAN 6 INCHES. AREAS TO BE PATCHED WILL HAVE
SQUARED EDGES AND BE ROUGHLY SQUARE OR RECTANGLE IN SHAPE, avoid damaging or debonding the reinforcing, or shatterAFTER LOCATING THE EXISTING REINFORCING STEEL USING A
PACHOMETER, DRILL 4 " DIAMETTER HOLES THROUGH THE BRIDGE ECK MISSING THE REBAR.
ORILL DOWEL HOLES FOR INSTALLATION OF THE EPOXY COATED REINFORCING STEEL. INSTALL THE REINFORCING STEEL ACCORDING
0 ITEM 510 USING EPOXY GROUT, 705.20 . IF AN EXISTING STEEL BAR IS ENCOUNTERED AT THE SAM LOCATION AS APROPOSED
 EXIITTING BAR. THE EEPATMENT WILL PAY FOR THE DOWEL HOLES
AND GROUTAT THE UNIT BID PRICE FOR ITEM 510 - DOWEL HOLES
WTTHONHINK, NONMETALLIC GROUT. AND GROUT A T THE UNTT BID PRICE FOR
WITH NONSHRINK, NONMETALLIC GROUT.
AFT ER PLACEMENT OF THE REINFOCCING STEEC AND THE DRILL-
ING OF THE HOLES PUMP THE CONCRTTE INTO THE CORE HOLES NG OF THE HOLES, PUMP THE CONCRETE INTO THE CORE HOLES UNTLL THE PATCH AREAS ARE FILLED AND
DETERMINED TO HAVE BEEN EIIMINATED.

THE SLAB BRIDGE SEAT WILL ALSO BE WIDENED TO MATCH THE
EXISTING ABUTMENT FOOTER WIDTH. REFER TO THE RESPECTIVE STRUCTURE SHEET FOR MORE DETAILS REGARDING THE WIDENING
PLACE THE CONCRETE THROUGH THE 4" DIAMETER CORE HOLES PLETELY FILLED THE PATCH VOIDS BEFORE MOVING TOA ANOM" ACCESS HOLE. USE VIBRATION EOUIPMENT TO HELP CONSOLIDATE THE CONCRETE MIX. CONTINUE PLACING THE CONCRETE
NTO THE CORE HOLES AND FINISH THE CONCRETE IN THE HOLES EVEL WITH THE DECK CONCRETE. THIS WORK MUST BE COMPLETED

WHEN THE FORMWORK IS REMOVED, THE PROJECT ENGINEER WLL OF THE DEC THE NEW CONCREINS OUND BETWEEN TE NEW CONCRETE AND THE UNEERSIDE OF THE DECK, THE CONTRACTOR WILL PRESSURE GROUT THE VOIDS UNTIL ALL MATERIIL IS FOUND WILL ACHIEVE AT LEAST 4000 PST IN 7 DAYS AND CONSIST O
fhe department will measure the number of cubic yards EETERMINED BY THE CALCULAGIONS FROM THE PLAN DIMENSIO MEASURE THE NUMBER OF CUBIC YARDS FOR THE PATCHED AREAS Y DETERMINING THE SQUARE YARDAGE OF ACTUAL PATCHED AREAS AND MULTIPLYING BY A DEPTH OF 0 .
CALCULATE THE VOLUME OF CUBIC YARDS.
eme depatrment will pay for the accepted quantity o Cubic Yards.
payment for all of the above shall be at the unit pric BID PER CU. YD. FOR ITEM SPECIAL - PATCHING CONCRETE
STRUCTURE, MISC.: ABUTMENT BACKWALL, WHICH SHALL INCLUDE ALL LABOR, EQUTPMENT, MATERIALS AND, INCIDENTALS NECESSARY REINFORCING STEEL WHICH WILL' BE PAID FOR SEPARATELY.

