

FURNISH MATERIALS, LABOR, TOOLS, EQUIPMENT, SERVICES AND SUPPLIES FOR CONSTRUCTION OF A POST TENSION DOUBLE TENNIS COURT AT T.O. FULLER STATE PARK, 1500 MITCHELL ROAD WEST, MEMPHIS TN 38109, INCLUDING ALL COMPONENTS REQUIRED TO FULFILL THE INTENT OF PROJECT.

PROJECT TO BE COMPLETED WITHIN 60 CALENDAR DAYS AFTER RECEIVING PURCHASE ORDER.

PROJECT SHALL INCLUDE BUT NOT LIMITED TO: CONSTRUCTION OF A POST-TENSIONED CONCRETE SLAB DOUBLE (TWO) TENNIS COURTS IN COMPLIANCE WITH POST-TENSIONING INSTITUTE GUIDELINES, MODIFYING CHAIN LINK FENCE AND NET POST, COATING AND STRIPING, INSTALLING TWO (2) NEW NETS.

OVERLAY ACCORDING TO EXISTING GRADE OF COURT.

CONCRETE SLAB SHALL BE PLACED OVER EXISTING ASPHALT, CRACKS OR INDENTS SHALL BE FILLED AND SURFACE PREPARED FOR POST TENSIONING REQUIREMENTS PRIOR TO PLACING POLYETHYLENE, CONSIDERATION SHALL BE GIVEN TO SLAB FRICTION COEFFICIENT. A MINIMUM OF TWO (2) LAYERS SIX (6) MIL POLYETHYLENE VAPOR BARRIER TO BE PLACED OVER THE ASPHALT BASE PRIOR TO CABLES BEING INSTALLED OVERLAP JOINTS AND TAPE, REPAIR TEARS.

POST-TENSIONING MATERIAL SHALL CONSIST OF LOW RELAXATION, SEVEN WIRE STRESS-RELIEVED STRANDS CONFORMING TO ASTM A 416, WITH AN ULTIMATE STRESS OF 270 KSI. STRANDS SHALL BE COATED WITH A RUST PREVENTION LUBRICANT AND WRAPPED WITH PLASTIC SHEATHING, DAMAGED SHEATHING TO BE REPAIRED BY TAPING, MINIMUM ULTIMATE TENSILE STRENGTH = 41,300, JACKING FORCE AT 80%. END ANCHOR DEVICES TO CONFORM TO POST-TENSIONING INSTITUTE SPECIFICATIONS. ALL DEAD END ANCHORS MUST BE POWER SEATED, ALL STRANDS TO BE SUPPORTED ON CHAIRS AND TIED AT ALL INTERSECTIONS OR SECURELY SUPPORTED TO PREVENT VERTICAL AND HORIZONTAL MOVEMENT DURING PLACEMENT OF CONCRETE.

PROPER NUMBER, SIZE, CABLE LOCATION AND SPACING SHALL BE IN COMPLIANCE WITH POST TENSIONING INSTITUTE GUIDELINES BUT SPACING NO GREATER THAN 3'-6" IN BOTH DIRECTIONS.

CONCRETE TO HAVE A COMPRESSION STRENGTH OF 3,500 PSI @ 28 DAYS, WITHOUT CURING COMPOUNDS, FROM A LOCALLY AVAILABLE BATCHING PLANT TO MINIMIZE TIME BETWEEN MIXING AND PLACEMENT. SLAB TO BE A MINIMUM OF 4" IN THICKNESS, WITH A 10"-12" PERIMETER BEAM, FURNISH AND INSTALL REBAR IN COMPLIANCE WITH PTI REQUIREMENTS AND TRADE STANDARDS. UNIFORMLY FINISH BY POWER FLOATING AND TROWELING, THE COURT SHALL NOT VARY MORE THAN 1/8" IN 10 FT. WHEN MEASURED IN ANY DIRECTION, LASER GRADED. FINISH TO BE LIGHT BROOM, CURING TIME SHALL BE IN ACCORDANCE WITH SURFACING SYSTEM MANUFACTURER'S RECOMMENDATIONS. JOINTS ARE NOT PERMITTED IN PLAY AREA.

KEEP POCKET FORMERS TIGHT AGAINST FORMS DURING PLACEMENT OF CONCRETE. INSTALL REBAR AT CORNERS, MINIMUM OF 6" CONCRETE COVERAGE BEYOND POST IN SLAB.

SEQUENCE OF STRESSING, PRE-STRESSING AND POST-TENSIONING TO BE IN COMPLIANCE WITH POST-TENSIONING INSTITUTE GUIDELINES.

PAINT CABLE ENDS, PLACE CAPS AND GROUT POCKETS WHEN STRESSING IS COMPLETED. RECORD AND PROVIDE TO OWNER TENDON ELONGATION AND ACTUAL PRESSURE GAUGE READING.

CLEAN COURTS AND MAKE NECESSARY REPAIRS BEFORE APPLICATION OF SURFACE MATERIAL, APPLY ONE (1) COAT OF RESURFACER, APPLY TWO (2) COATS OF ACRYLIC SURFACING MATERIAL, COLOR TO BE CHOSEN BY AGENCY.

APPLY REGULATION WHITE LINES, ADJUST NET POST TO CORRECT HEIGHT, INSTALL TWO (2) NEW NETS.

CONTRACTOR SHALL BE LICENSED, CERTIFIED, REGISTERED OR APPROVED AS APPLICABLE TO PERFORM WORK.

CONTRACTOR TO FIELD VERIFY TO PERSONAL SATISFACTION, SCOPE OF WORK, SPECIAL CONDITIONS, ACCESS, TOOLS AND EQUIPMENT NEEDED, QUANTITY OF MATERIALS AND SKILL LEVEL REQUIRED FOR IMPLEMENTATION OF PROJECT.

CONTRACTOR SHALL REPAIR AT NO COST TO AGENCY ANY DAMAGE CAUSED BY CONSTRUCTION OR CONTRACTOR'S ACTIVITIES, REPAIRS SHALL BE COMPATIBLE WITH ADJACENT AREAS, MATERIALS AND WORKMANSHIP, RUTS OR DEPRESSIONS SHALL BE BROUGHT TO GRADE, SEED AND STRAW.

CONTRACTOR SHALL COMPLY WITH LATEST EDITION LOCAL, STATE AND NATIONAL CODES, TRADE STANDARDS, REGULATIONS, SPECIFICATIONS AND AGENCY'S APPROVAL.

CONTRACTOR SHALL ATTEND AN ON SITE PRECONSTRUCTION CONFERENCE, PROGRESS MEETINGS AND FINAL INSPECTION; CONTACT JERRY TUBBS 731-968-6608 FOR DATE AND TIME OF MEETINGS.

CONTRACTOR SHALL OBTAIN AND PAY ANY REQUIRED PERMITS OR FEES, ARRANGE INSPECTIONS OR APPROVALS WITH AUTHORITY HAVING JURISDICTION.

CONTRACTOR SHALL MAINTAIN A CLEAN SAFE WORK SITE ON A DAILY BASIS, REMOVE ALL SCRAP AND UNUSED MATERIALS FROM STATE PROPERTY WHEN PROJECT IS COMPLETED LEAVING AREA IN A CLEAN CONDITION SUITABLE FOR INTENDED USE.

A COPY OF SPECIFICATION SHALL BE ON SITE AND AVAILABLE WHEN WORK IS BEING PERFORMED.

CONTRACTOR SHALL WARRANTY MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.