DUNBAR CAVE STATE PARK
REPLACE AGGREGATE WALKWAY

DUNBAR CAVE STATE PARK
401 DUNBAR CAVE ROAD
CLARKSVILLE, TN 37403

CONTRACTOR IS TO FURNISH ALL LABOR, EQUIPMENT & MATERIALS TO REPLACE THE AGGREGATE WALKWAY.

DESCRIPTION OF WORK: CONTRACTOR IS TO REMOVE EXISTING SIDEWALK AND APPROXIMATELY 2” OF DIRT. CONTRACTOR SHALL CONSTRUCT A NEW SIDEWALK APPROXIMATELY 7,000 SQUARE FEET. SIDEWALK WILL BE CONSTRUCTED BY INSTALLING 2” OF CRUSHER RUN GRAVEL PACKED, 6”X6” WELDED WIRE MASH, AND 3000 PSI CONCRETE 4” THICK. CONTRACTOR SHALL REPLACE ADA RAMP AT THE EXISTING LOCATION IN FRONT OF THE BUILDING. THE NEW SIDEWALK SHALL BE LEVEL WITH GROUND. WHERE SIDEWALK INTERFACES WITH THE PICNIC AREA, CONTRACTOR SHALL CREATE AN ACCESS RAMP APPROXIMATELY 8’ WIDE TO ALLOW VEHICLES TO PASS FORM THE PARKING LOT, ACROSS THE SIDEWALK, AND INTO PICNIC AREA.

DRAINAGE: PRIOR TO INSTALLATION OF CONCRETE, CONTRACTOR SHALL INSTALL SCHEDULE 80, 4” PVC PIPE TO EXTEND GUTTER DOWNSPOUTS UNDER THE Poured SLAB TO EXIT BEYOND THE SLAB. DOWNSPOUT #1 (NE CORNER OF PORCH): PVC SHALL RUN EAST FROM THE DOWNSPOUT ALONG THE NORTH-FACING SIDE OF THE BUILDING. IT SHALL EXIT SLAB AND RUN DOWNHILL ALONG THE CONCRETE WALL. IT SHALL DAYLIGHT NEAR THE ASPHALT WALKWAY. DOWNSPOUT #2 (NW CORNER OF BUILDING) SHALL RUN SOUTH ALONG THE WEST WALL OF THE BUILDING, CONNECT TO DOWNSPOUT # 3, THE CONTINUE SOUTH ALONG THE SIDEWALK. WHERE THE SIDEWALK TURNS, THE PVC SHALL ALSO TURN AND CONTINUE DOWNHILL TO DAYLIGHT NEAR THE ASPHALT DRIVE.

STEPS FROM PARKING LOT: CONTRACTOR IS TO REMOVE APPROXIMATELY 33’X5’ OF EXISTING SIDEWALK, STEPS, LANDINGS,
HANDRAILS AND APPROXIMATELY 2” OF DIRT. THE LANDINGS ARE APPROXIMATELY 10’x 16’. CONTRACTOR SHALL INSTALL 2 INCHES OF CRUSHER RUN GRAVEL PACKED. CONTRACTOR SHALL INSTALL 6 INCHES X6 INCHES OF WELDED WIRE. CONTRACTOR SHALL INSTALL THE STEPS AND LANDING 4 INCHES THICK WITH 3000 PSI CONCRETE. CONTRACTOR SHALL THEN INSTALL AN APPROXIMATELY 33’X5’ SIDEWALK AND 11 STEPS - 8’ X12”, WITH A 5 1/2” RISE. CONTRACTOR IS TO INSTALL APPROXIMATELY 15’ OF 2 RUN – 1 1/2” PIPE HANDRAIL WITH A 13 INCH EXTENSION ON THE TOP RAIL. THE NEW HANDRAIL POST ARE TO BE SET EVERY 5’ IN CENTER OF STEPS 36” ABOVE FINISH GRADE. HANDRAIL SHALL BE PRIMED AND PAINTED. COLOR TO BE CHOSEN BY PARK MANAGER.

STEPS FROM BACK OF VISITOR CENTER TO LAKE TRAIL:
CONTRACTOR IS TO REMOVE EXISTING STEPS, LANDINGS & HANDRAILS AND APPROXIMATELY 2” OF DIRT. CONTRACTOR IS TO INSTALL APPROXIMATELY 22 STEPS, 5’ X 16” WITH 5 1/2” RISE. THE LANDINGS ARE APPROXIMATELY THE FOLLOWING SIZES: 1- 5’X6’, 3- 5’X 32”. CONTRACTOR SHALL INSTALL 2 INCHES OF CRUSHER RUN GRAVEL PACKED. CONTRACTOR SHALL INSTALL 6 INCHES X6 INCHES OF WELDED WIRE. CONTRACTOR SHALL POUR THE STEPS AND LANDINGS WITH 4 INCHES THICK 3000 PSI CONCRETE WITH A BROOM FINISH. CONTRACTOR IS TO INSTALL APPROXIMATELY 90’ OF 1 1/2” PIPE HANDRAIL WITH A 6 INCH EXTENSION ON EACH TOP RAIL. THE NEW HANDRAIL POST ARE TO BE SET APPROXIMATELY 6’ ON CENTERS SET IN CONCRETE ON EACH SIDE OF THE STEPS, 36” ABOVE FINISHED GRADE. HANDRAIL SHALL BE PRIMED AND PAINTED. COLOR TO BE CHOSEN BY PARK MANAGER.

CONCRETE STAMPING AND TINTING: ALL NEW CONCRETE SHALL BE TINTED TO MATCH EXISTING CONCRETE AROUND THE GARDEN BY THE VISITOR CENTER. ALL SIDEWALKS AND STAIR LANDINGS SHALL BE STAMPED WITH A BRICK PATTERN TO MATCH THE EXISTING SIDEWALK AROUND GARDEN BY VISITOR CENTER. ALL STAIR STEPS SHALL BE BROOM FINISHED. CONCRETE TINT COLOR SHALL BE APPROVED BY THE PARK MANAGER. ALL NEW CONCRETE SHALL HAVE A TWO-PART EPOXY SEALER, OR COMPARABLE SEALER, APPLIED TO SURFACE.
CONTRACTOR WILL BE RESPONSIBLE FOR ALL MEASUREMENTS.

CONTRACTOR WILL BE RESPONSIBLE FOR SECURING THE JOB SITE FOR THE DURATION OF THIS JOB.

CONTRACTOR WILL BE RESPONSIBLE TO REPAIR/REPLACE ALL DAMAGES DONE TO STATE PROPERTY INCLUDING ALL UNDERGROUND UTILITIES DURING THIS JOB.

CONTRACTOR SHALL SEED AND STRAW ANY AREA THAT WERE DAMAGED DURING THIS PROJECT.

CONTRACTOR WILL DISPOSED OF ALL DEBRIS OFF STATE PROPERTY.

ALL WORKMANSHIP WILL HAVE A 1-YEAR WARRANTY FROM DATE OF FINAL INSPECTION.

WORK IS TO BEGIN WITHIN 14 DAYS ARO AND COMPLETED WITHIN 30 DAYS.