

DEPARTMENT INPUT
CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Check applicable Ordinance(s): 90-143 Responsible Wage and Benefits 03-237 (formerly 03-1) Community Workforce Program

PROJECT INFORMATION See attachment

Contract/Project/*Work Order No.: NMLANDOWHS

*Reference corresponding project number when submitting a work order

Contract/Project Title: LANDOW HEAD START/EHS PLAYGROUND INSTALL

Description/Scope of Work: SEE ATTACHED

Estimated Cost: \$182,275.00 Funding Source: FEDERAL

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23rd Ct or Starts at 135 St. ends at 145 St.

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP) See attachment

Engineer/Department or Agency's estimated required workforce for Project Work Order :

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job

Comments: _____

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability

RECOMMENDATION

Set-Aside: Level 1 Level 2 Level 3 Trade Set-Aside Sub-Contractor Goal Workforce Goal No Measure

Basis for Recommendation: _____

Date submitted to DBD: _____

Contact Person: _____

Telephone No.: _____



Miami-Dade County
Community Action and Human Services Department
Head Start and Early Head Start Division
Landow Yeshiva Head Start Center
17330 NW 7th Avenue, Miami Gardens, FL 33169

The intent of this project is to select a Contractor for the removal and disposal of one (1) existing playground, at the Landow Yeshiva Head Start Center. The identified Contractor will also be responsible for the furnishing and installation of new playground equipment, protective surfacing, shade structure at the above mentioned Center.

The Contractor is responsible for all work done by any subcontractor and shall require that subcontractors pull all necessary permits per code, regulation or law. CAHSD shall provide measurements and layout for the install of all equipment and material. Contractor shall maintain necessary insurances and licenses throughout the duration of the project. The Contractor shall be required to coordinate all work, verify all site conditions and make submittals as required for approval to the owners and Community Action and Human Services Department's inspectors. The Contractor is responsible for all work done by any sub-contractor and shall require that all sub-contractor pull all necessary permits according to code.

The Contractor shall perform the services with the standard skill care and diligence which a competent and suitably qualified person performing such services could reasonably be expected to exercise and in accordance with the work write-up.

Contractor must comply with the Scope of Work and the attached Reference Documents 21000.

Contractor must be prepared to mobilize service provisions within seven days from the permit issue date and shall be carried on at a rate that insures full completion on or before the date of completion as stipulated in the Notice to Proceed.

The contractor understands that timely completion of the work within the contract period is of the essence and contractor accepts that the contract period to complete the work is 120 calendar days or as otherwise stipulated in contract documents.

The intended use of the playgrounds will be to serve Head Start children.

REFERENCE DOCUMENTS 21000

GENERAL INFORMATION

1. All work shall comply with applicable Miami-Dade County building department requirements, the 2014, or most recent, Florida Building Code, and the Miami Dade DERM requirements for asbestos removal.
2. Contractor is responsible for all measurement verification and counts.
3. Contractor/vendor shall comply with all applicable Federal, State, County, and City rules and codes.
4. The contractor may not operate beyond the limits unless specifically authorized by CAHSD.
5. The contractor shall limit the use of the site to those operations necessary for the execution of the work of the contract.
6. The contractor shall not allow minors or other unauthorized persons on the project construction site. Contractor will not work in areas that cannot be safely cordoned from center staff, customers or other visitors during normal business hours.
7. The contractor will maintain and protect existing utilities. Existing utilities to remain in service before proceeding with demolition, providing bypass connections to other parts of the building. Locate, identify, shut off, disconnect, and cap off utility services to be removed (when applicable). Conduct demolition operations and remove debris to prevent injury to people and damage to adjacent buildings and site improvements. Provide and maintain shoring, bracing, or structural support to preserve building stability and prevent movement, settlement, or collapse as necessary.
8. The contractor at all times shall keep the premises free from accumulation of waste materials or rubbish caused by the operations. As required by the work or directed by County representative but no less than daily and at the completion of the work, all waste materials and rubbish shall be removed from the project, as well as tools, construction equipment, machinery and surplus materials, and shall clean all surfaces and leave the work "broom" clean except as otherwise

specified. Following completion of the work, contractor is required to return the site to its original condition, unless otherwise stipulated.

9. The contractor shall be responsible for initiating, maintaining and supervising safety programs in connection with the work.
10. The contractor shall take all reasonable precautions for the safety of and shall provide reasonable protection to prevent damage, injury or loss to:
 - a. All employees on the work and all other persons whom may be affected thereby.
 - b. All work and all materials and equipment to be incorporated therein, whether in storage on or off the site, under the care, custody or control of the contractor or any subcontractors.
 - c. Other property at the site or adjacent thereto, and not designated for removal, relocation or replacement in the course of construction.
11. The contractor shall comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction or the safety of persons or property for to protect them from damage, injury or loss. The contractor shall erect and maintain as required by the existing conditions and progress of the work, all reasonable safeguards for protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent utilities. The contractor shall be responsible to the Owner for all damage or loss to any property caused in whole or in part by the contractor or any subcontractors, or anyone directly employed by any of them, or by anyone for whose acts any of them may be liable, and not attributable to the fault or negligence of the contractor.
12. The contractor shall request all mandatory inspections from relevant Building Officials, Miami-Dade County, DERM, and other authorities having jurisdiction as per the provisions contained in the FBC, including those as may be required for asbestos removal (when applicable). Inspections by the design professional shall not relieve the contractor, nor take the place of the mandatory inspections contained in the FBC or required by law. Contractor is required to have on site a representative during such inspections this requirement extends to subcontractors.
13. Any item resulting in damage from work procedures shall be repaired or restored to original or better condition. Satisfactorily repair/replace equipment or part of

structure damaged as a result of the work. Surfaces and finished areas shall be restored to match adjacent areas. Approval shall be obtained from the Architect/Engineer of Record prior to cutting or drilling any structural support member.

14. All work shall be done in a neat workmanlike manner.
15. All penetrations through masonry and concrete structures shall be sealed to protect against fire where appropriate and protect against the intrusion of exterior environmental elements into the interior or the migration of elements from one area to the next on the interior.
16. At any time improper procedures are observed that put client safety, staff, or contractor workers safety at risk, the work will be stopped until corrections are made and approved by the Miami-Dade County or other relevant body and the contractor held responsible for any delay due to improper adherence to the contract/documents and/or safety regulations.

Scope of Work

The work specified in this Scope consists of furnishing all labor (including subcontractors), disposal of materials, machinery, tools, and means of transportation, supplies, equipment, materials, permits and services necessary to perform the following work described in the SOW. Prior to any digging or site preparation at each location, Contractors must contact Sunshine 811 to coordinate the process between excavators and member utilities in Florida so that they can mark the approximate location of underground lines, pipes and cables on construction site. Contractors must apply and secure all permits associated for this project.

Contractor shall provide detailed documentation defining the work performed for the playground location. Such documentation shall include, but not limited to, a detailed scope of work, manufacturer catalog and/or cut sheets, general data sheets, drawings and sketches or specification and warranty information.

Respondents shall include the manufacturer and 2-dimensional drawings of the proposed Playground equipment. 2-dimensional drawings shall be identified and organized by the site location, and clearly tabbed in the Contractors proposal. The drawings must identify the Name and the Type of "Play Elements" clearly identified in the 2-dimensional drawings provided.

Equipment must meet ASTM F1487.11 standards and/or ASTM testing and materials from F2373.11

All manufactured items and installation should conform to the United States Consumer Product Safety Commission guidelines for playground safety and certified by ASTM – International and the NPCAI – International Play Contract Association.

Required surfacing, to exclude wood mulch, and consist of EPDM PIP "Poured-in Play", should conform to the ASTM standards.

The Contractor will refer to design plans as recommended by the engineered drawings.

All playgrounds must be ADA (Americans with Disabilities Act) accessible and inclusive for children with special needs as required by IDEA (Individuals with Disabilities Education Act).

The Contractor will need to install shading over equipment. Shading will need to cover half of the proposed play area.

Perimeter fencing should conform to ASTM F2049. Interior barriers, if needed to separate very young children (0-3) from pre-school children (3-5) need to be 4' and cannot have sharp edges or other structures that could cause strangulation points. All bolts are to be installed facing away from the playground use zone. Entrances need to ensure that 0-3 year old children and pre-school children (3-5) cannot co-mingle. Further, each play space needs to have two methods of egress.

INSTALLATION

- A. Prior to mobilization Contractor shall attend a Pre-Construction meeting.
- B. The Contractor shall submit, in writing, all project-related questions and/or comments to the Project Manager for further distribution.
- C. The Contractor shall ensure all work is installed straight, level and plumb pursuant to permitted drawings.
- D. The Contractor shall verify and be responsible for the accuracy of all field measurements.
- E. The Contractor shall be responsible for restoration of the site to its original condition to include re-sodding of the area affected by their work with sod which is of the same variety and quality as the surrounding sod. Where no sod exists prior to installation, the Contractor shall restore grade to a level consistent with the surrounding grade.
- F. The Contractor shall be responsible for the layout and location of all equipment and infrastructure included in the contract. It is the responsibility of the Contractor to call the coordinating company that marks the underground utilities prior to commencement of construction. The County's representative will inspect the project when the layout and location has been completed by the Contractor. A 24 hour advance notice will be required for this inspection.
- G. The Contractor shall be responsible for installing any infrastructure included in the contract according to the plans and specifications provided by the County. These plans and specifications are included as part of this contract.
- H. Contractor shall have a supervisor/representative on the work site at all times who shall be able to communicate with the County Representative. The supervisor/ representative shall be thoroughly knowledgeable of all plans, specifications and other contract documents. This individual shall have authority to act on the Contractors behalf.
- I. The Contractor shall be responsible for scheduling all required inspections.

FENCING

The fence shall be designed and constructed so that it allows for a visibility to conform to the level of surveillance necessary from a designated supervising area outside or inside the play environment area to inside the play environment. The maximum vertical clearance between grade and the bottom of the fence shall be 3 in. measured on both sides of the fence around the play environment and of a minimal distance to prevent toys from rolling under. Where the fence is composed of horizontal and vertical members, and if the distance between the tops of the horizontal members is less than 45 in. (1.143 m), the horizontal members shall be located on the side opposite the play environment to prevent egress over it and the spacing between any vertical members shall not exceed 3.5 in.

Fence framework shall be structurally sound, of industrial/commercial grade, designed to withstand the local wind load, and possible climbing and abuse. Access gates shall comply with the requirements and Standard Performance specifications for fences/barriers and shall be equipped with a locking key-operated locking device that is always locked but where the key location is noted. Access gates shall open outward away from the play environment, shall be self-closing, and shall have a self-latching device. The hand activated release mechanism of the self-latching device shall be not less than 48 in. (1219 mm) above grade. The latch/locking device of the self-closing latching device must comply with the protrusion test or be placed at a height of no less than 54 in. (1372 mm) above grade.

To reduce the chance of creating a finger crush/shear point for square frame gates and square gate posts, the opening between the hinge side of the square frame single leaf pedestrian gate and the square gatepost shall not close to a dimension less than 1/2 in. (15.9 mm). A safety covering guard shall be installed over openings less than 1/2 in. (15.9 mm). There shall be no parts of the fence or gate that is a protrusion hazard located less than 54 in. (1372 mm) above grade.

GENERAL SITE PREPARATION AND SUB – SURFACE GUIDELINES

A solid sub-surface such as concrete or asphalt is the preferred base for the PIP surfacing installations because of the predictable nature of these surfaces.

1. Contractor is to evaluate existing drainage. If the installation area is lower than the adjacent grades and collects water or if there are standing puddles on the sub-surface, a sub-surface water drain system is to be proposed.
2. Remove topsoil until solid, packed and stable sub-soil is Visible and level. If sub soil is of poor quality then geo-textile cloth should be placed between the sub-soil and the granular sub-surface.
3. Install retainer edge when needed.
4. Install 3-8 inches of "Granular A" aggregate or Crushed Granite. Granular A or Crushed Granite shall consist of crushed rock composed of hard, fractured fragments free of clay coatings. Granular A or Crushed Granite shall be produced from bed rock gravel, cobbles or boulders of uniform quality. Granular A or Crushed Granite may also contain a blend or combination of crushed gravel, sand and fines produced from naturally

formed deposits, crushed slag produced from air-cooled iron blast furnace or nickel slag, reclaimed Portland cement concrete or reclaimed asphalt pavement material. Install material in 3 to 4" layers. To ensure proper grade install 3/4" to 1" of "crushed granite" or "crushed aggregate" over the leveled sub-surface. Do not use crushed fines on you're a subsurface.

5. Rolling Packer or Plate Compactor - It is critical that the base be properly compacted. Without adequate sub-surface compaction the planarity of finished surface will change as the sub-surface planarity changes. Use a rolling vibrating packer or equivalent and complete multiple passes in both directions. Assist packing by wetting aggregate if necessary.
6. Extend granular base 3-6" past edge of installation. When no solid retainer edge is going to be used at the edge of the installation, then the granular base must be sloped off at a 4" rise in 12" run. Slope for 12 linear inches or until the packed subsurface is 3 to 4" below finished grade of adjacent surface. This prevents a tripping hazard in the event the adjacent loose fill surface erodes and exposes the edge of the resilient surface.
7. It is recommended that the base surface slope to be 2% in order to ensure adequate water drainage.

Landow Yeshiva Head Start Playground Project

17330 NW 7th Avenue

MIAMI GARDENS FL 33169

- Demolition and disposal of existing playground equipment.
- Demolition and disposal of existing PIP surfacing.
- Furnish and install one (1) new, age 3-5 years old playground structure, including age appropriate signage.
- Playgrounds shall be wheelchair accessible and ADA compliant.
- Install approximately 3000 Square Feet of EPDM PIP protective surface is required at this site.
- Installation of concrete border around PIP surface.
- Include geotextile fabric if necessary.
- Furnish and install one (1) new, 40' X 40' Hip style shade structure. Shading to be installed over composite equipment structure.

