

PLAYGROUND PROJECT REQUIREMENTS

SCOPE OF WORK

1. The City of LaGrange is soliciting proposals for the design, supply and installation of playground equipment at the Granger Park.
2. The City of LaGrange is seeking to establish an accessible playground that meets 36 CFR Part 1191, the standards for accessibility by the U.S. Architectural and Transportation Barriers Compliance Board.
3. Work shall include the design, provision and installation of playground equipment and site amenities meeting specifications noted herein.
4. Work shall include installation of a safety surface comprised of engineered wood fiber at a depth necessary to meet the critical fall height for the equipment proposed. Subsurface drainage improvements will be by others.
5. The playground contractor / vendor is responsible for coordinating with the general contractor to ensure the subsurface drainage system functions correctly as designed. Commencement of installation of playground equipment denotes acceptance of existing conditions as constructed by the General Contractor.
6. The City of LaGrange has the right to refuse any or all bids if design, equipment and/or warranty of a product does not meet the City representative's and/or the project Landscape Architect's expectations for playground equipment quality, function, and/or aesthetic at Granger Park.

QUALITY ASSURANCE

1. Playground equipment, layout and installation shall comply with the following guidelines or standards in their most recent forms:
 - a. National Bureau of Standards, for the U.S. Consumer Product Safety Commission Handbook for Public Playground Safety, latest edition.
 - b. American Society for Testing and Materials Designation: ASTM F 1487, Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, latest edition.
 - c. Guidelines for accessible playgrounds (36 CFR Part 1191) as published by the U.S. Architectural and Transportation Barriers Compliance Board.
2. Installer: A certificate verifying the installer, as a Certified Playground Installer shall be provided with a list of three similar projects giving names, addresses, and phone numbers of owners.
3. Manufacturer shall provide, three (3) sets of special assembly tools and maintenance kits, to owner, upon completion of the project.

CERTIFICATION OF PLAYGROUND EQUIPMENT

1. The contractor shall supply a Certificate of Compliance from the manufacturer(s) stating that the playground equipment and any other materials to be supplied conforms with both the CPSC guidelines and ASTM F 1487 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use and ASTM F 1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
2. The Contractor shall supply written validation that the proposed playground equipment is IPEMA Certified to conform to ASTM 1487. This validation shall be presented to the owner prior to installation.

3. The Contractor shall also supply a notarized letter stating that the proposed design meets the playground guidelines of the U.S. Architectural and Transportation Barriers Compliance Board (36 CFR Part 1191) and ASTM F 1951 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

MATERIALS CRITERIA

1. Playground supports shall meet ASTM standards for playground equipment.
2. All hardware, fittings and fasteners shall be fabricated from non-corrosive material as recommended by the manufacturer.
3. All metal decks and ramps shall have heavy duty, resilient vinyl coating.
4. Rotationally molded plastic slides shall be double walled.
5. Wood play structures may be accepted provided structures are designed for a 25+year lifespan, wood species has a very high resistance to rot, insects, disease and wear, and is easy to maintain. Equipment must comply with ASTM F1487 safety standards.
6. Recycled plastic materials shall meet ASTM and CPSC standards for playground equipment.
7. All playground equipment shall be certified by the International Play Equipment Manufacturers Association (IPEMA). All designs shall meet or exceed the Americans with Disabilities Act (ADA) "2010 ADA Standards for Accessible Design". All manufacturers must be ISO 9001 certified.
8. Playground safety surfacing shall be engineered wood fiber mulch with a minimum depth of 12 inches

FABRICATION CRITERIA

1. Welding shall be in accordance with the standards of the American Welding Society. All welds shall be ground smooth. No field welding shall be permitted.
2. All welded steel components shall be fully assembled prior to galvanizing. Galvanized coating shall be applied to a minimum thickness of 4 mils.
3. Powder coating shall be applied to the galvanized surface in such a manner that the coating will not peel off. The coating shall be TGIC-Polyester Powder applied to the Zinc coated steel via the Powder Coating Process. The Powder Coating shall be applied at a film thickness of 4 to 6 mils.
4. All bolted connections shall be made with stainless steel or galvanized fasteners.

GRANGER PARK PLAYGROUND EQUIPMENT

The information below shall be used as a guideline as basis of design.

GENERAL REQUEST

1. Playground equipment layout should maximize dedicated play area space allowing for required safety zones.
2. Playground equipment is to provide for play at a variety of elevations. Play structures should include activities at each elevation to providing a reward: an amazing view and / or several play activities for everyone.
3. Playground equipment should encourage and enable social interaction between children while playing on the playground.
4. Playground equipment that supports sensory experiences (tactile, auditory, visual) should be included.

5. Playground equipment that offers the thrill of perceived risk (climbers, nets, slides, etc.) should be included.
6. Playground equipment is to include play structures suitable for 2-5-year age children and 5-12-year age children.
7. Playground equipment should provide activity for an approximate 150+ user capacity.

SPECIFIC PLAY REQUEST

Swings

1. Minimum 2 Toddler type swings – located within 2-5-year age sector
2. Minimum 2 Belt type swings OR 1 saucer type swing that accommodates multiple children to be located within the 5-12-year age sector.
3. Minimum 1 Dual / Face to Face swing – located within either sector.

Spinners

1. Minimum 2 Spinner type pieces suitable for smaller children – located within 2-5-year age sector
2. Minimum 1 Merry-go-round type structure; suitable for multiple children of a variety of ages and abilities – to be located within 5-12-year age sector.

Cozy Play

1. Minimum 1 Cozy Play type structure to be located within either sector that will provide an area where a child can go to decompress or relax when overstimulated.

Play System Structure

1. 1 age appropriate Contiguous or Co-located play system structure is to be located within each sector (2-5-year age and 5-12-year age).
2. Each play system is to provide a variety of user experiences and play features for different abilities and provide a variety of play levels.
3. Each Play system should include at least 1 slide, and multiple climbing opportunities.
4. Play system can be an interlocking structure or consist of multiple co-located play pieces that still allow a child to move freely from one play piece to the next.

Shade

1. The design of the playground is to include shade componentry either integral or separate covering a minimum of 80% of the play structure excluding swings if they are included in the design. Shade quantity will be measured from a top on view of the structure.

ADDITIONAL PLAY

Additional play elements to maximize play space area are encouraged and are to be provided at Contractor's discretion.

PRODUCT WARRANTY

1. The manufacturer of the supplied equipment shall stipulate warranty information as requested ~~on Exhibit I.~~ Also furnish a full written warranty, covering all the components included in the proposal.

SPECIAL WARRANTY

1. ~~The manufacturer agrees to repair or replace components of the playground equipment that fail in materials or workmanship within the specified warranty period.~~
 - a. ~~Failures include, but are not limited to, the following:~~
 - i. ~~Structural failures~~

- ii. Deterioration of metals, metal finishes, and other materials beyond normal weathering use.
- 2. Warranty Period
 - a. One year from date of Substantial Completion

PRODUCT INSURANCE

1. The manufacturer of the supplied playground equipment shall have an insurance policy covering complete operations (Product Liability) with a minimum limit of \$5,000,000.00 (five million dollars) per occurrence.

DESIGN AND DETAILING

1. The areas designated for the placement of the playgrounds are described on **Exhibit A** attached.
2. Prior to the installation of the playground the site will be graded approximately level to the subgrade elevation and the subsurface drainage system installed by the General Contractor. General Contractor and Playground Contractor to coordinate to ensure footings of play equipment and sub surface drainage structures do not conflict.
3. It is anticipated that given the nature of these facilities that users of the playground will be in the 2-12-year range. The design for the playgrounds should reflect this user group as much as possible.
4. Play areas shall be designed to provide children with a variety of play experiences.

INSTALLATION

1. All playground equipment shall be installed in compliance with the safety standards herein referenced.
2. All playground equipment shall be installed per manufacturer's installation instructions and to conform to the approved proposed designs. All fastenings shall be made as shown on the drawings and shall be securely tightened. All work shall be done so that no hazardous projections exist on the finished work.
3. Prior to installation and erection, the Contractor shall stake out the location of the playground equipment for review and approval by the Owner's Representative.
4. All necessary local, state and federal permits shall be presented prior to commencement of work onsite.
5. Installation of concrete work shall be conducted to industry standards.
6. The playground contractor shall do all necessary excavation required for the installation of play equipment. Excavation shall be defined as the digging of all required footings and the removal of all materials encountered while digging those footings. Materials included under this item include but are not limited to concrete footings, pavements, earth, boulders, and broken concrete pieces. If newly constructed park features need to be modified to allow the installation of play features, vendor is to coordinate same with GC and Landscape Architect.
7. All posts and pipe components shall be set square in concrete footings. All posts shall extend below theoretical finished grade as specified by manufacturer.

CLEAN UP

1. Upon completion of the work, all excess materials and debris resulting from this project shall be cleaned up, removed from the site, and properly disposed of. Any surrounding damage to the site by the playground contractor shall be paid by the playground contractor to the City. Any tire marks on the pavement must be cleaned off before final acceptance of the playground

JOB CONDITIONS

1. Deliver, store and handle site furnishing and equipment to prevent damage.
2. Provide owner 24-hour notice prior to delivery to job site.

3. Do not begin installation of site furnishing until grading and leveling has been completed and inspected by the owner and General Contractor
4. Install temporary fencing around the construction zone to prevent public access.
5. Coordinate delivery and installation of equipment with GC and City.

SUBMITTALS

1. Each vendor is permitted to submit no more than ONE overall structure design. Optional or alternate componentry is permitted and shall include descriptive imagery and pricing.
2. Submit drawings showing all important details of design of site, playground equipment and surfacing system.
3. Provide ADA schedule illustrating, required and provided, elevated and ground-level type play activities.
4. Provide user capacity for each age group (2-5 and 5-12)
5. Designs shall be submitted in a 3-dimensional color format; preferably reflecting the actual shape of the proposed playground.
6. Submit manufacturer's specifications for the proposed playground equipment and playground surfacing in the design.
7. Submit warranty and insurance certificates as required by the specifications.
8. Provide the Lump Sum price for the playground including design, provision and installation of equipment, surfacing, materials and labor to complete the work.
9. Submit complete shop drawings for total installation of all manufactured items. **Submittal requirements are as follows:**
 - a. Shop Drawings for each type of playground equipment.
 - i. Include plans, elevations, sections, and attachment details.
 - ii. Include fall heights and use zones for playground equipment, coordinated with the critical-height values of protective surfacing specified in the CPSC - Public Playground Safety Handbook.
 - b. Samples for Initial Selection
 - i. Manufacturer's color charts.
 - ii. Include samples of accessories involving color selection.
 - c. Samples for Verification: For each type of exposed finish on the following products:
 - i. Include samples of accessories to verify color and finish selection.
 - ii. Posts and Rail: Minimum 6 inches long.
 - iii. Platforms: Minimum 6 inches square.
 - 9-iv. Molded Plastic: Minimum 3 inches square.
10. Submit a minimum of three references including client name, contact person with telephone and address of project.
11. Submit a statement listing the number of days after an order is placed that equipment shipment will take place, and the number of days after shipment is received to complete the installation.
12. Owner is particularly interested in equipment being supplied and installed in concert with the construction of Granger Park. Submit anticipated project schedule; including lead time for securing play equipment.