



ADDENDUM

SOLICITATION NO.: ITB 2019-07 Terramar Park Playground Improvement

ADDENDUM NO. 2

DATE: 03/05/2019

To All Prospective Bidders:

This addendum is issued to modify the previously issued solicitation documents and/or given for informational purposes, and is hereby made a part of the solicitation documents. Please attach this addendum to the documents in your possession. ***Per the ITB, the proposer shall acknowledge receipt of any and all addenda, if any, listing the Addenda by number(s) and date(s) in their ITB documents.***

Deadline for Proposals:

No Change in proposal due date

Specification Changes/Corrections:

1. Page 2, paragraph 4 should read:

The scope of work for the North Playground Areas at Terramar Park consists of removing and disposing of the existing playground equipment from each of the two (2) playground areas ~~and store at an appropriate area designated by the City of Parkland.~~ Replace the existing wood chip ground cover with a poured rubberized surface at both playground areas. Replace existing damaged concrete curbing around the perimeter of the play areas. Install new ADA accessible playground equipment for 2-5 year olds and 5-12 year olds.

2. Updated Specifications are attached for Section 31 18 16.13 Playground Protective Surfacing.

Drawing Changes:

N/A

Questions/Clarifications and Answers:

The following question(s) (shown in italicized text) were submitted by prospective bidder(s). The

City's responses are presented here (shown in bold text).The submitters' names and email addresses have been removed due to privacy requirements.

1. *Who is responsible for disposing of the old equipment?*

The existing playground equipment is to be disposed of by the Contractor. See Specification Changes/Corrections above.

2. *What is the current surface?*

The material under the current poured in place surface is concrete.

3. *Pour in place surfacing materials is not specified. Will "TotTurf" PIP surfacing meet approved equal status?*

Updated specifications for Playground protective surfacing is attached with this addendum.

4. *What are the shade heights requirements?*

Please refer to the design plans for the shade height requirements.

5. *Is there storage space for mobilization?*

Yes. The storage space/laydown area yard will be next to the playground area. This area is to be returned to the City in like, or better condition.

6. *Is the contractor allowed to work on weekends?*

Yes. Weekend work is allowed.

Working hours are:

7:30 a.m. to 7:30 p.m. Monday through Friday.

9:30 a.m. to 7:30 p.m. Saturday

10:00 a.m. to 2 p.m. Sunday

7. *What is the budget for the project?*

The budget for this project is estimated at approximately \$387,000; however, this may not accurately reflect the current marketplace and may need to be adjusted accordingly. Please refer to the scope of work for accurate estimate.

8. *Are you 100% set on the manufacturer or are you taking other options as long as it's similar in design?*

The Bid specifications reference the equipment as "or approved equal". This means that the City is not locked to the current specifications and prospective vendors are welcome to submit other options for review and approval by the City. The bid

deadline was extended accordingly.

9. *Is IPEMA Certification required for the PIP surface on this bid?*

Yes. IPEMA Certification is required.

10. *Are the PIP colors to be 100% color or 50% color/ 50% black mix?*

The PIP Colors are to be 100% color.

11. *Is the City of Parkland okay with the ambering from Aromatic Urethane binder or does the City want Aliphatic Urethane?*

The City requires Aliphatic Urethane binder for this project.

NAME OF COMPANY: _____

SECTION 32 18 16.13
PLAYGROUND PROTECTIVE SURFACING

PART 1 GENERAL

1.1 SUMMARY

- A. Provide pour in place playground / fitness area protective surfaces as indicated in the Plans,

1.2 SUBMITTALS

- A. Installer experience.
- B. Authorized Applicator certificate from the manufacturer. List all subcontractors and their appropriate qualification.
- C. Manufacturer's product data.
- D. Installation instructions for each material and product used.
- E. Certification by the installer certifying the equipment has been installed per the manufacturer's recommendations and instructions, and meets or exceeds all necessary safety requirements as stated in below referenced quality assurance standards/documents.
- F. Maintenance information.
- G. Warranty.

1.3 QUALITY ASSURANCE

- A. Impact Attenuation - ASTM F1292-04: Provide impact attenuation test results to the owner. Test results must be certified and submitted on the letterhead of an independent testing lab. Impact attenuation test results must meet or exceed Consumer Product Safety Commission Guidelines for impact attenuation (G-max and Head Injury Criteria (HIC)).
- B. Accessibility of Surface Systems - ASTM F1951-08: All Playground surfacing products must pass testing to ensure wheelchair access under and around playground equipment as required by the American Disabilities Act.
- C. Coefficient of Friction - ASTM D2047-82: All products must meet a minimum standard on coefficient of friction of .9-wet, 1.0 dry.
- D. Permeability: Product shall meet or exceed a coefficient of permeability of 0.4 gallons per square yard per second.
- E. Flammability of Finished Floor cover - ASTM D2859: Product shall meet requirements of ASTM D2859.
- F. Tensile Strength - ASTM D412-87: This test indicates a product's ability to stretch, and how far it will stretch before it breaks. Test results for wear course must be a minimum tensile strength of 60 PSI and minimum % elongation @ break of 140%.
- G. IPEMA Certification: Manufacturer must provide proof of certification.
- H. Provide installer references of at least 3 projects of similar scope completed in each of the past 3 years.

PART 2 PRODUCTS

2.1 MATERIALS

A. Acceptable Manufacturer:

- 1. REP SERVICES, INC.
581 TECHNOLOGY PARK
STE 1009
LAKE MARY, FL 32746
DEBBIE LEVINE
561-353-0980

Or approved equal.

- B. Impact Course - 100% recycled black Styrene Budadine Rubber (SBR) and polyurethane binder.
- C. Wear Course - Ethyl Propolyne Dione Monomer (EPDM) pigmented rubber granules with aliphatic binder. Thickness of the wear course must be a minimum 1/2". The granule size must be 1-3 mm in diameter.
- D. Colors – 100% Premium colors to be used at playground. Standard 50/50 blend to be used at fitness area.

E. Physical properties:

- 1. Tensile Strength (ASTM D412) 60 PSI, minimum
- 2. Elongation at Break (ASTM D412) 140%, minimum
- 3. Flammability (ASTM D2859) Pass
- 4. Coefficient of Friction (ASTM D204)
 - Wet 0.9, minimum
 - Dry 1.0, minimum
- 5. Water Permeability 0.4 gal. /sq. yd./sec., minimum

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install products in accordance with manufacturer's instructions and approved submittals. Comply with applicable regulations and latest version of Florida building code requirements.
- B. Sub-base:
 - 1. Sub-base Requirements - maximum slope (2%) with no variation >1/8" when measured in any direction with a 10' straight edge.
 - 2. Stone - 90% to 95% compaction with final condition of stone as level and stable so as not to shift when traveled on or during surface installation process. A compaction test is required and must be submitted to Owner prior to installation of poured rubber surfacing. Failure to provide proof of compaction test will void 5-year warranty of PIP surfacing should signs of sub-base failure occurs.
 - 3. Depth: 4 inch minimum thickness.
 - 4. Porosity: Base course must maintain porosity for direct drainage.
 - 5. Enclosure: Stone base course must be surrounded by a concrete retaining curb.
 - 6. Stone Selection: It is critical that different size stones are used so that the base must be uniformly mixed. The material must be wetted during mixing operations if necessary for proper blending.

Stone Graduation	U.S. Sieve Percent Passing
1"	100
3/4"	90 - 100
No. 4	35 - 60

No. 30
No. 200

10 - 30
2 - 9

- C. Weather Conditions - Because the polyurethane agents are moisture or heat sensitive, the nighttime temperatures must be above 40 degrees with daytime temperatures around 50 degrees. These temperatures must be consistent for several days before and after the poured rubber installation period. Complying with these weather conditions will prevent poured rubber from freezing which prevents proper curing.
- D. Thickness - Overall depth of the poured rubber will vary based on critical fall heights and installers test results. Depth of EPDM/TPV will be no less than 0.5". Installation is performed by technically trained GameTime approved specialists. Your GameTime dealer will schedule installation of playground surfacing to meet your requirements.
1. THICKNESS CHART - (BELOW DEPTHS INCLUDE 0.5" EPDM TOPCOAT)
- | | |
|---------------------------------|------------------------|
| 1' to 4' Critical Fall Height | 1.5" to 2" Total Depth |
| 5' Critical Fall Height | 2" to 2.5" Total Depth |
| 6' Critical Fall Height | 2.5" to 3" Total Depth |
| 7' to 8' Critical Fall Height | 3" to 3.5" Total Depth |
| 9' to 10' Critical Fall Height | 4" to 4.5" Total Depth |
| 11' to 12' Critical Fall Height | 5.5" Total Depth |
- E. Cold Joints - Areas in excess of 2,000 square feet or areas that require adjacent color pours will have a cold joint or seam.
- F. Edges - Surface edges must be flush. Install full depth sub-base to concrete edge.
- G. Cure Time - The poured rubber requires 72 hours (3 days) to properly cure.

END OF SECTION