January 27, 2020

ADDENDUM 3
Bid 20M3, Floor and Carpet Equipment

REVISED DUE DATE: January 30, 2020, at 2:00 P.M.

As a result of the demonstrations held on the demo days, please be advised of the following additional information and clarifications:

1. An item has been added to the Form of Proposal. Please use the Revised Form of Proposal, included with this Addendum.
2. The Technical Specifications have been updated and are included with this Addendum.

Sincerely,

Bill Meekins

Bill Meekins CPPB, CPPO, CSBO, CPCP
Purchasing Agent
willis.meekins@fcps.org

BM/kl

Attachments: Revised Form of Proposal
            Updated Technical Specifications

cc: Larry Phillips, FMP, Custodial Services Manager
    Bid File
BID 20M3, FLOOR AND CARPET EQUIPMENT
UPDATED - TECHNICAL SPECIFICATIONS

(Other makes and models may be acceptable as noted on the Form of Proposal)

BURNISHER, HI SPEED PROPANE, 20-21”, WITH DUST CONTROL SHROUD BID AS AN OPTIONAL PART

CLARKE 21, MODEL 2117B IPC EAGLE #PB21

MODEL BID:

KEY FEATURES:
1. 21” pad/brush size
2. Minimum 2000 rpm pad speed
3. Automatic fuel shut down feature
4. Low oil shut down feature
5. Hour Meter
6. Honda or Kawasaki Engine, 603 CC
7. Two years Parts and Labor engine warranty
8. EPA, C.A.R.B. AND UL Approved - All three*
9. 12 v. keyed start
10. No clutch
11. Flexible pad driver
12. 80% Safety fill propane tank

SPECIFICATIONS:
1. 17 HP, Twin-V Kawasaki Engine
2. 25,000 sq. ft. performance
3. 20 lb. propane tank
4. 87-89 dB
5. Cast aluminum deck with electro finish
6. Welded steel handle
7. Weight 220 lb.
8. We do not need catalytic muffler for clean air exhaust on this model *
9. We do not need CARB guard emissions monitor on this model *

BURNISHER, HI SPEED, ELECTRIC, 2000 RPM POWRFLITE / TORNADO M2000-3

KEY FEATURES:
1. Pad Speed 2000 RPM
2. Motor 1-1/2 hp, D.C. rectified, UL listed
3. Power Cord 75 ft. UL listed 12/3 SJTW-A/gray
4. Warranty 10 years housing, Two years motor, One-year parts

SPECIFICATIONS:
1. Floating handle for easy operation with safety start-up/lockout
2. Full pad-to-floor contact, no compensating caster
3. Flexible pad driver
4. One-piece housing
5. Base housing one-piece, high density polyethylene
6. Pad driver flexible, total 20-inch floor-to-pad contact
7. Pad pressure (lbs.) 16
8. Handle steel tube with anti-fatigue grips
9. Wheels 4 and 5-inch non-marking-self lubricating
10. Weight (lbs.) 89
CARPET EXTRACTOR, SELF-CONTAINED
To Be Supplied With: TOOL KIT
NSS STALLION 8SC W/4892869 3 JET WAND TOOL KIT

KEY FEATURES:
1. 8-gallon capacity
2. Self-contained
3. Foam-activated shut-off mechanism
4. Off-the-floor dump hose
5. CRI approved

SPECIFICATIONS:
1. 16” cleaning path
2. 50’ detachable cord
3. 100 PSI solution pump
4. Floating brush
5. 3-stage vac motor
6. Hinged rotocast polyethylene body

ACCESSORIES TO BE INCLUDED:
Detail 3-Jet Wand Tool Kit, includes:
1. 12” width, 50-800PSI 3-jet wand
2. 15’ vac hose
3. 15’ solution hose
4. quick connector adaptor

DOLLY
RUBBERMAID #2640 BRUTE

KEY FEATURES:
1. Rubber/steel construction
2. Anti-rust, anti-chip, and anti-peel
3. Twist on, twist off for safe mobility
4. 300 lb. Capacity
5. Fits 20-55 gallon round containers

SPECIFICATIONS:
1. 5.5 lb. Shipping weight
2. Black
3. Five heavy-duty, swivel wheels
4. 18 1/4” D x 6 5/8”H

FAN/DRYER, FLOOR, 3 SPEED, POWRFLITE PD 500

KEY FEATURES:
1. Motor 1/2 HP
2. Without wheels or telescoping handles
3. Speeds 3
4. Power Cord 20’
5. Warranty 5 years housing, one-year motor, parts and workmanship
6. Operating Positions 3-position w/kickstand

SPECIFICATIONS:
1. Power/Amp 4.8
2. Construction Polyethylene
3. Handle Molded, balanced
4. Inlets Injection molded plastic
5. Sensors Thermal shut-off
6. Weight 32.75 lbs.

**FLOOR FINISH APPLICATOR, 28'', WITH BATTERY PACK AND CHARGER,**
ULTRA-TRAK #FT5000-28 by FAS-TRAK

**KEY FEATURES:**
1. 5-in-1 pressurized application system
2. Series 4 DC volt, 45 psi pump mechanism
3. Variable volume control circuitry
4. Head assembly pressure regulator
5. 28” mop head
6. 25,000 sq./ft. per hour application speed
7. 12V 7-amp hr. sealed gel DC battery with 8-pin

**SPECIFICATIONS:**
1. Suction tube and hook
2. Drip tray holder
3. Two 8-inch front wheels with magnets; two back casters
4. Control panel with door
5. Push/pull know
6. Lift handle with top and bottom hooks
7. 24-volt battery pack and charger
8. Plastic elbow shutoff valve
9. Drip tray

**FLOOR SCRUBBER, LO SPEED, 20'', 1.5 HP, TRIPLE PLANETARY GEAR ONLY**

To Be Supplied With: DRIVER PAD AND POLY BRUSH

**VIKING HP1520HD/TORNADO 97564**

**KEY FEATURES:**
1. 20” brush diameter
2. 175 rpm brush speed
3. ALL STEEL triple planetary transmission
4. To be supplied with Pad Holder and Poly Brush

**SPECIFICATIONS:**
1. Extra thick, chrome plated handle tubes
2. Safety switch levers
3. Fully adjustable handle
4. Non-marking, wrap around bumper
5. 50’, 3” wire, special low temperature, vinyl jacketed cable, type ST with molded plug, 14 x 3
6. Motors – Dual Capacitor, Capacitor start, Capacitor run, fully rated, double wound, continuous duty, quiet and vibration free. 1½ hp
7. 114 lbs.
8. 13 ½” h

**FLOOR SCRUBBER, 20'', TRACTION-DRIVE, WALK-BEHIND**

To Be Supplied With: CURVED SQUEEGEE, AGM BATTERIES, 13A ON-BOARD BATTERY CHARGER, AND PAD HOLDER

**INTERNATIONAL CLEANING COMPANY ICE# I20NBT**

**KEY FEATURES:**
1. Traction drive, self-propelled
2. AGM maintenance free batteries
3. Touch panel control system
4. Die-cast aluminum brush deck
5. Curved squeegee 99 lb. pad pressure
6. No tools needed for changing squeegee blades
7. Delayed vacuum motor shut off
8. Emergency shutdown system
9. Working efficiency up to 23,680 sq. ft./hr.
10. 15 solution tank
11. Five-year warranty

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Description</th>
<th>i20NBT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaning Path</td>
<td>20 in (51 cm)</td>
</tr>
<tr>
<td>Solution Tank</td>
<td>15 gal (57 ltr)</td>
</tr>
<tr>
<td>Recovery Tank</td>
<td>17 gal (64 ltr)</td>
</tr>
<tr>
<td>Pad Size</td>
<td>20 in (51 cm)</td>
</tr>
<tr>
<td>Pad Driver</td>
<td>19 in (48 cm)</td>
</tr>
<tr>
<td>Pad Pressure, 2-settings</td>
<td>66 lb. and 99 lb. (30 kg and 45 kg)</td>
</tr>
<tr>
<td>Squeegee, Easy to Remove</td>
<td>30 in (76 cm)</td>
</tr>
<tr>
<td>Speed Control</td>
<td>2.8 mph</td>
</tr>
<tr>
<td>Cleaning Productivity</td>
<td>23,680 ft2/hr. (2,200 m2/hr.)</td>
</tr>
<tr>
<td>Sound Level</td>
<td>68 dBA</td>
</tr>
<tr>
<td>Drive System</td>
<td>Traction</td>
</tr>
<tr>
<td>Wheels, Non-marking (2)</td>
<td>10 in (25.5 cm)</td>
</tr>
<tr>
<td>Brush Motor, rpm Speed</td>
<td>.74 hp (.55 kW), 200 rpm</td>
</tr>
<tr>
<td>Vacuum Motor, Waterlift</td>
<td>.67 hp (.5 kW), 45 in (114 cm)</td>
</tr>
<tr>
<td>Voltage</td>
<td>24 V</td>
</tr>
<tr>
<td>*AGM Batteries (2)</td>
<td>12 V, 115 AH AGM</td>
</tr>
<tr>
<td>Charger, On-board</td>
<td>13 amp</td>
</tr>
<tr>
<td>Run Time per Charge</td>
<td>3 hr.</td>
</tr>
<tr>
<td>Weight without Batteries</td>
<td>231 lb. (105 kg)</td>
</tr>
<tr>
<td>Weight with Batteries</td>
<td>441 lb. (200 kg)</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>53 x 30 x 42 in (135 x 76 x 107 cm)</td>
</tr>
</tbody>
</table>

FLOOR SCRUBBER, 26” DISK, RIDE-ON, BATTERY-POWERED

To Be Supplied With: SQUEEGEE, AGM BATTERIES, ON-BOARD CHARGER, AND TWO 13” DRIVER PADS

TENNANT T7 MICRO RIDER #9000862

KEY FEATURES:
1. 26” disk cleaning path
2. Battery powered
3. 29-gallon recovery/110-liter tank

SPECIFICATIONS:
1. Two 0.6 HP/0.45 Kw scrub motors
2. 225 rpm brush speed
3. Variable brush down pressure from 80, 120, and 160 lb.
4. 0.6 hp/0.45kW, 3 stage vacuum fan with 70 in water lift
5. 4.0 mph transport speed and 3.6 mph scrubbing speed
6. 60” l x 33.25” wide with squeegee x 50” high
7. 67 dB
8. 68.5” minimum aisle turn

ACCESSORIES TO BE INCLUDED:
1. Squeegee  
2. AGM Batteries  
3. On-Board Charger  
4. Two 13” Driver Pads

**FLOOR SCRUBBER, MICRO RIDER**

**KEY FEATURES:**
1. Robotic cleaning machine  
2. Ec-H20 NanoClean technology  
3. Easy to understand controls

**SPECIFICATIONS:**
1. Run time: estimated up to 3.5 hours  
2. Main down pressure: Up to 190 lbs.  
3. Power source: Battery  
4. Sound level: As low as 70 dBA  
5. Squeegee width: 33.25 in  
6. Head type: Disk  
7. Charger type: Off-board  
8. Cleaning path: 26 in  
9. Machine type: Ride-on  
10. Recovery tank capacity: 29 gal  
11. Pad RPMs: up to 225 rpm  
12. Solution tank capacity: 29 gal

**TRUCK, PLATFORM, 24” X 48”**

*Rubbermaid #443610*

**KEY FEATURES:**
1. U-shaped handle, mounted outboard, metal  
2. 1000 lb. maximum weight capacity  
3. Four 8” x 2” sealed bearing casters, two are swivel, all pneumatic wheels

**CONSTRUCTION DETAILS:**
1. 24” x 48” platform size  
2. Constructed of honey comb Duramold or equal, impact-resistant structural foam  
3. Rounded deck corners  
4. 80 lb. shipping weight

**TRUCK, TILT, ½ CU YD**

*Rubbermaid #1305*

**KEY FEATURES:**
1. Standard construction  
2. Gray  
3. 750 lb. maximum load  
4. 2 casters  
5. ½ cu. yd. size

**CONSTRUCTION DETAILS:**
1. 10” wheels, vulcanized rubber  
2. 62 ½” L x 28” W x 38 5/8” H  
3. Inset wheel and axle  
4. Seamless body

**VACUUM, BACKPACK, 10 QT. HEPA FILTER PROTEAM SUPER COACHVAC**
MODEL 107119
To Be Supplied With: TOOL BELT HARNESS AND ATTACHMENT KIT #107100

KEY FEATURES:
1. 10-quart capacity
2. Four stage HEPA filtration, 1190 sq. inches
3. Includes 1 ½” static-dissipating vacuum hose, 50 ft. extension cord and two micro filters
4. Three-year warranty on parts, labor and motor; life warranty on molded body parts
5. CRI Indoor Air Quality Testing Program approvals and LEED Certified approved

SPECIFICATIONS:
1. 1188 Watts
2. 66 dBA
3. 150 CFM airflow
4. 100 inches static lift
5. 9.9 amps
6. 11 lbs.
7. CRI Indoor Air Quality Testing Program approvals and LEED Certified approved

ACCESSORIES TO BE INCLUDED:
1. To include the Xover Tool Kit D (107100):
   14" Xover Floor Tool, 42 to 59" Aluminum Telescoping Wand, 17" Crevice Tool, 3" Dust Brush w/ Reducer, 5" Upholstery Tool

VACUUM, CORDLESS BACKPACK

KEY FEATURES:
1. Cordless
2. Runtime of 75 minutes or greater
3. Fast battery charge, full charge in 2.5-3 hours
4. Lithium ion battery
5. Three-year warranty on parts and labor
6. Two-year warranty on motor, battery and charger

SPECIFICATIONS:
1. Weight: 18, 8.2 kg
2. Airflow (CFM): 78
3. Static Lift – in: 54
4. Decibel – dBA: 63.7
5. Capacity: Dry Fit – 6 qt, 6.6 L
6. Certification: UL listed to US and Canadian Safety Standards (UL 1017/CSA C22.2 No 243), CRI Seal of Approval
7. Filtration: ProLevel Filtration w/ Four Levels of Filtration: 1054 sq. in. total area
8. Item Dimensions: 10.125” x 24”
9. Hose Length: 48 in, 4 ft.

VACUUM, INTERIOR HIGH CEILING, INDUSTRIAL STRENGTH

KEY FEATURES:
1. Two industrial strength vacuum motors
2. Stainless steel canister, tilts for easy dumping of debris
3. Washable HEPA wet/dry cartridge filter
4. All-terrain heavy gauge steel chassis
5. Large capacity disposable dust bag option

SPECIFICATIONS:
1. Industrial vacuum, canister and cart
2. 8 Standard, friction-fit, carbon fiber vac poles, each approximately 5 feet long – 11 ounces each
3. Approximately 20 feet of flexi hose, 1.5 inches diameter
4. Six assorted internal brush tools
5. Air flow: 1893 gallons per minute
6. Motor wattage: 2200w max total (2 motors)
7. Noise: 72 decibels
8. Container capacity: approximately 20 gallons
9. Mains connection: 120 volt/20 amperes
10. Height: 42.5 inches
11. Weight: approximately 80 lbs.
12. Power Cable Length: approximately 26 feet

**VACUUM, UPRIGHT, 12” WORKING WIDTH**
**WINDSOR SENSOR XP12**

**KEY FEATURES:**
1. Two-stage, 1.6 hp, (1200 watts) vacuum motor
2. 90” (228 cm) water lift
3. 105 cfm airflow
4. Injection molded, high-impact ABS plastic housing
5. Non-slip toothed belt, enclosed, electronic safety clutch and speed control brush drive
6. 5400 brush contacts per minute, 2700 rpm brush speed
7. Brush Servo Motor automatically sets brush height, electronic sensor
8. Triple layer bag with 323 cu. in., enclosed, top-loading dust bag
9. 99.6% at 0.3 microns, 76 sq. in. filtration area
10. 2.5” diameter rubberized wheels
11. 40’ 18/3SJT, double insulated cable
12. 120V, 60 cycle electrical
13. 12” working width
14. 18 lbs. with cable weight
15. 69 dBA at operator sound level
16. On board crevice and upholstery tools

**VACUUM, WET/DRY, 20-GAL, FRONT MOUNT WET SQUEEGEE, HEPA FILTRATION AND WET/DRY TOOL KIT PROTEAM PROGUARD 20**

**To Be Supplied With:** FRONT MOUNT SQUEEGEE, HEPA FILTER, AND ON-BOARD WET/DRY TOOL KIT

**KEY FEATURES:**
1. 20-gallon tank capacity
2. Hinged motor head
3. Dual filter
4. Tip and pour feature for tank emptying
5. Foot pedal squeegee release (preferred)
6. Front mounted squeegee - 25-30”

**SPECIFICATIONS:**
1. Static lift: 95”
2. Watts: 1,380 W
3. Amps: 9.5 amps
4. Airflow: 105 CFM
5. Decibel: 69 dBA
6. Capacity: 20 gallons
7. Weight: 70 lbs.
8. ProGuard Wet Filter: Polypropylene Screen
10. Intercept Micro Filter (optional): 1418 sq. in.
11. Power Cord: 50’, 14 AWG pigtail power cord
12. Three-year warranty

ACCESSORIES TO BE INCLUDED:
1. 10’ hose
2. 2-piece wand
3. Bristle floor tool
4. Squeegee tool
5. Crevice tool
6. Dust brush
7. Fine dust filter
8. ProGuard wet filter

FLOOR SCRUBBER, 20" AUTONOMOUS CLEANING, Nilfisk
Liberty SC50 (X20R) Rev

KEY FEATURES:
• Autonomous cleaning machine
• Rev orbital disk technology

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scrub Head</td>
<td>REV™</td>
</tr>
<tr>
<td>Scrub Path</td>
<td>20 in (51 cm)</td>
</tr>
<tr>
<td>Solution Tank</td>
<td>15 gal (57 L)</td>
</tr>
<tr>
<td>Recovery Tank</td>
<td>14 gal (53 L)</td>
</tr>
<tr>
<td>Machine Voltage</td>
<td>24V</td>
</tr>
<tr>
<td>Battery Capacity (max)</td>
<td>255 Ah</td>
</tr>
<tr>
<td>Protection Grade</td>
<td>IPX4</td>
</tr>
<tr>
<td>Scrub Brush Speed</td>
<td>2250 RPM – ¼ orbits &amp; macro of 10-30 RPM</td>
</tr>
<tr>
<td>Vibrations at the Hand Controls (ISO 5349-1)</td>
<td>0.17 m/s²</td>
</tr>
<tr>
<td>Vibrations for the Whole Body (ISO 2631-1)</td>
<td>0.01 m/s²</td>
</tr>
<tr>
<td>Max Transport Speed - Manual Fwd.</td>
<td>3.1 mph (5.0 kph)</td>
</tr>
<tr>
<td>Max Transport Speed - Manual Rev.</td>
<td>1.62 mph (2.6 kph)</td>
</tr>
<tr>
<td>Max Speed Autonomous</td>
<td>2.35 mph (1.055 m/s)</td>
</tr>
<tr>
<td>Max Theoretical Productivity</td>
<td>11,000 ft³/hr (2,453 m³)</td>
</tr>
<tr>
<td>Sound Pressure Level (IEC 60335-2-72)</td>
<td>63 dB A / .029344 µPa</td>
</tr>
<tr>
<td>Gradeability - Manual Transport</td>
<td>15% (8.53°)</td>
</tr>
<tr>
<td>Gradeability - Manual Cleaning</td>
<td>9% (5.14°)</td>
</tr>
<tr>
<td>Gradeability - Autonomous</td>
<td>2% (1.15°)</td>
</tr>
<tr>
<td>Minimum Aisle Turn Width - Manual</td>
<td>62.7 in (159.2 cm)</td>
</tr>
<tr>
<td>Squeegee Width</td>
<td>30.2 in (76.7 cm)</td>
</tr>
<tr>
<td>Length</td>
<td>53.3 in (135.5 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>30.0 in (76.1 cm)</td>
</tr>
<tr>
<td>Height (antenna)</td>
<td>56.8 in (144.1 cm)</td>
</tr>
<tr>
<td>ITEM</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>1</td>
<td>BURNISHER, HI SPEED, PROPANE, 20-21”, HONDA, KAWASAKI MOTOR, WITHOUT DUST CONTROL</td>
</tr>
<tr>
<td>1A.</td>
<td>UP-CHARGE PRICE TO ADD DUST CONTROL SHROUD</td>
</tr>
<tr>
<td>2</td>
<td>BURNISHER, HI SPEED, ELECTRIC, 2000 RPM</td>
</tr>
<tr>
<td>3</td>
<td>CARPET EXTRACTOR, SELF-CONTAINED, 8 GAL, MUST INCLUDE THE DETAIL 3 JET WAND, TOOL KIT, HOSES AND QUICK CONNECTOR</td>
</tr>
<tr>
<td>4</td>
<td>DOLLY, 300 LB. CAPACITY, TO FIT 20-55 GALLON ROUND CONTAINERS</td>
</tr>
<tr>
<td>5</td>
<td>FAN/DRYER, FLOOR, 3 SPEED, 1/2 HP MOTOR, THERMAL SHUT OFF AND KICKSTAND, WITHOUT WHEELS OR TELESCOPING HANDLE</td>
</tr>
<tr>
<td>6</td>
<td>FLOOR FINISH APPLICATOR, 28&quot;-30&quot; ONLY, WITH BATTERY PACK AND CHARGER</td>
</tr>
<tr>
<td>7</td>
<td>FLOOR SCRUBBER, LO-SPEED, 20” 1.5 HP, TRIPLE PLANETARY GEAR MODEL ONLY, MUST INCLUDE THE DRIVER PAD AND POLY BRUSH</td>
</tr>
<tr>
<td>ITEM</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>8</td>
<td>FLOOR SCRUBBER, 20&quot;, TRACTION DRIVE (SELF PROPELLED) WALK-BEHIND, WITH AGM BATTERIES, ON BOARD CHARGER, CURVED SQUEEGEE, PAD HOLDER</td>
</tr>
<tr>
<td>9</td>
<td>FLOOR SCRUBBER, 26&quot;, DISK, RIDE-ON, WITH AGM BATTERIES, ON BOARD CHARGER, CURVED SQUEEGEE AND TWO 13&quot; DRIVER PADS</td>
</tr>
<tr>
<td>10</td>
<td>FLOOR SCRUBBER, MICRO RIDER</td>
</tr>
<tr>
<td>11</td>
<td>TRUCK, PLATFORM, 24 X 48, U SHAPED HANDLE</td>
</tr>
<tr>
<td>12</td>
<td>TRUCK, TILT, 1/2 CUBIC YARD</td>
</tr>
<tr>
<td>13</td>
<td>VACUUM, BACKPACK, 10 QT, HEPA, WITH HEAVY DUTY HARNESS, GENERIC SIZE HEPA FILTER HEPA FILTER AND MULTI-SURFACE TELESCOPING WAND TOOL KIT</td>
</tr>
<tr>
<td>14</td>
<td>VACUUM, CORDLESS BACKPACK</td>
</tr>
<tr>
<td>15</td>
<td>VACUUM, INTERIOR HIGH CEILING, INDUSTRIAL STRENGTH</td>
</tr>
<tr>
<td>16</td>
<td>VACUUM, UPRIGHT, 12&quot; WORKING WIDTH</td>
</tr>
<tr>
<td>17</td>
<td>VACUUM, WET/DRY, 20 GAL, WITH FRONT MOUNT SQUEEGEE, HEPA FILTER AND WET/DRY TOOL KIT</td>
</tr>
<tr>
<td>18</td>
<td>FLOOR SCRUBBER, 20&quot; AUTONOMOUS CLEANING</td>
</tr>
</tbody>
</table>