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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:

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

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-H2O 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
9. Fine Dust Cartridge Filter: 1276 sq. in.
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:

Scrub Head	REV™
Scrub Path	20 in (51 cm)
Solution Tank	15 gal (57 L)
Recovery Tank	14 gal (53 L)
Machine Voltage	24V
Battery Capacity (max)	255 Ah
Protection Grade	IPX4
Scrub Brush Speed	2250 RPM – ¼ orbits & macro of 10-30 RPM
Vibrations at the Hand Controls (ISO 5349-1)	0.17 m/s ²
Vibrations for the Whole Body (ISO 2631-1)	0.01 m/s ²
Max Transport Speed - Manual Fwd.	3.1 mph (5.0 kph)
Max Transport Speed - Manual Rev.	1.62 mph (2.6 kph)
Max Speed Autonomous	2.35 mph (1.055 m/s)
Max Theoretical Productivity	11,000 ft ² /hr (2,453 m ²)
Sound Pressure Level (IEC 60335-2-72)	63 dB A / .029344 µPa
Gradeability -Manual Transport	15% (8.53°)
Gradeability - Manual Cleaning	9% (5.14°)
Gradeability - Autonomous	2% (1.15°)
Minimum Aisle Turn Width - Manual	62.7 in (159.2 cm)
Squeegee Width	30.2 in (76.7 cm)
Length	53.3 in (135.5 cm)
Width	30.0 in (76.1 cm)
Height (antenna)	56.8 in (144.1 cm)

BID 20M3, FLOOR AND CARPET EQUIPMENT
REVISED FORM OF PROPOSAL

ITEM	DESCRIPTION	APPROVED MAKES/MODELS	NON-APPROVED MAKES/MODELS	MAKE/MODEL BID INCLUDE PART #S FOR ALL ACCESSORIES THAT ARE REQUIRED TO BE SUPPLIED	UNIT \$ QTY. 1	UNIT \$ QTY. 2-5	WARRANTY
1	BURNISHER, HI SPEED, PROPANE, 20-21", HONDA, KAWASAKI MOTOR, WITHOUT DUST CONTROL	IPC EAGLE #PB21; POWR-FLITE # 2117B; CLARKE 21			\$	\$	
1A.	UP-CHARGE PRICE TO ADD DUST CONTROL SHROUD				\$	\$	
2	BURNISHER, HI SPEED, ELECTRIC, 2000 RPM	POWR-FLITE OR TORNADO # M2000-3; TENNANT 2370; NOBLES SPEEDSHINE 2000; ADVANCE 20XP; VIPER DRAGON HIGH SPEED DR2000DC; NSS CHARGER 2500; MINUTEMAN M240000-00; CLARKE 20" ULTRA SPEED #01550A	MODELS LESS THAN 2000 RPM		\$	\$	
3	CARPET EXTRACTOR, SELF-CONTAINED, 8 GAL, MUST INCLUDE THE DETAIL 3 JET WAND, TOOL KIT, HOSES AND QUICK CONNECTOR	VIPER SLIDER SL1610SE W/WAND VV67703A VV67704A; NSS STALLION 8SC W/ 4892869; ADVANCE AQUACLEAN 16XP; *ALL MODELS MUST INCLUDE THE TOOL KIT AND WAND, HOSES AND QUICK CONNECTOR	TENNANT MONGOOSE EX10; NOBLES POWER EAGLE 716; VIKING TC88 PARAGON		\$	\$	
4	DOLLY, 300 LB. CAPACITY, TO FIT 20-55 GALLON ROUND CONTAINERS	RUBBERMAID 2640 BRUTE; CONTINENTAL 3255 DOLLY;			\$	\$	
5	FAN/DRYER, FLOOR, 3 SPEED, 1/2 HP MOTOR, THERMAL SHUT OFF AND KICKSTAND, WITHOUT WHEELS OR TELESCOPING HANDLE	POWERFLITE PD500 TORNADO WINDSHEAR 3000 #98772; MINUTEMAN C42000-01; VIPER WHIPTAIL WT3SPD; NOBLES/TENNANT; VIKING TC2100; CFR FAN BLOWER #CP500; DIRECTAIR 04130D; DAYTON 4XLE2	TENNANT MONGOOSE 9001029		\$	\$	
6	FLOOR FINISH APPLICATOR, 28"-30" ONLY, WITH BATTERY PACK AND CHARGER	ULTRA TRAK BY FAS-TRAK FT5000-28	3M EASY SHINE APPLICATOR SYSTEM		\$	\$	
7	FLOOR SCRUBBER, LO-SPEED, 20' 1.5 HP, TRIPLE PLANETARY GEAR MODEL ONLY. MUST INCLUDE THE DRIVER PAD AND POLY BRUSH	VIPER 2015 WITH DRIVER AND BRUSH; *GENERAL FLOORCRAFT KC20D; TENNANT MONGOOSE FM20; NSS GALAXY 20; VIKING HP1520HD; TORNADO 97564; CLARKE CFP2000. *ALL MODELS MUST BE BID WITH THE PAD DRIVER AND POLY BRUSH	NUSOURCE NU20 SERIES		\$	\$	

BID 20M3, FLOOR AND CARPET EQUIPMENT
REVISED FORM OF PROPOSAL

ITEM	DESCRIPTION	APPROVED MAKES/MODELS	NON-APPROVED MAKES/MODELS	MAKE/MODEL BID INCLUDE PART #S FOR ALL ACCESSORIES THAT ARE REQUIRED TO BE SUPPLIED	UNIT \$ QTY. 1	UNIT \$ QTY. 2-5	WARRANTY
8	FLOOR SCRUBBER, 20", TRACTION DRIVE (SELF PROPELLED) WALK-BEHIND, WITH AGM BATTERIES, ON BOARD CHARGER, CURVED SQUEEGEE, PAD HOLDER	INTERNATIONAL CLEANING COMPANY, ICE #120NBT WITH * COMPONENTS NOTED IN DESCRIPTION.			\$	\$	
9	FLOOR SCRUBBER, 26", DISK, RIDE-ON, WITH AGM BATTERIES, ON BOARD CHARGER, CURVED SQUEEGEE AND TWO 13" DRIVER PADS	TENNANT T7 9000862 *ALL MODELS MUST BE BID WITH AGM BATTERIES, ON BOARD CHARGER, CURVED SQUEEGEE AND TWO (2) PAD DRIVERS	BETCO STEALTH DRS26BT		\$	\$	
10	FLOOR SCRUBBER, MICRO RIDER	TENNANT MICRO-RIDER FLOOR SCRUBBER T7AMR			\$	\$	
11	TRUCK, PLATFORM, 24 X 48, U SHAPED HANDLE	RUBBERMAID 443610			\$	\$	
12	TRUCK, TILT, 1/2 CUBIC YARD	RUBBERMAID 1305; VIKING #521003			\$	\$	
13	VACUUM, BACKPACK, 10 QT, HEPA, WITH HEAVY DUTY HARNESS, GENERIC SIZE HEPA FILTER HEPA FILTER AND MULTI-SURFACE TELESCOPING WAND TOOL KIT	PROTEAM SUPER COACHVAC HEPA 10, MODEL #107119 WITH ATTACHMENT KIT #107100	MOSQUITO; POWR-FLITE BP10S; MINUTEMAN C84790; PROTEAM COACHVAC #107310; TORNADO PV10 PROVAC; ADVANCE ADGILITY 10XP; NILFISK GD10		\$	\$	
14	VACUUM, CORDLESS BACKPACK	PROTEAM GOFREE FLEX PRO 6QT GFFP12			\$	\$	
15	VACUUM, INTERIOR HIGH CEILING, INDUSTRIAL STRENGTH	SKYVAC 78			\$	\$	
16	VACUUM, UPRIGHT, 12" WORKING WIDTH	WINDSOR SENSOR XP12 # 10120240	ADVANCE VU500; DAYTON 2YMT7; SANITAIRE SC679J		\$	\$	
17	VACUUM, WET/DRY, 20 GAL, WITH FRONT MOUNT SQUEEGEE, HEPA FILTER AND WET/DRY TOOL KIT	PROTEAM PROGUARD 20 #107360 WITH TOOL KIT #107187, HEPA FILTER #107176 AND FRONT MOUNT SQUEEGEE			\$	\$	
18	FLOOR SCRUBBER, 20' AUTONOMOUS CLEANING	NILFISK LIBERTY SC50(X20R)			\$	\$	