

**ATTACHMENT A: APPROVED CONTRACT SPECIFICATIONS BY CATEGORY AND LINE ITEM FOR GROUND MAINTENANCE EQUIPMENT**

**NOTE: Where minimum engine horsepower and/or PTO horsepower is required for a specification item, the actual horsepower may vary below minimum specification by no greater than 10 percent.**

**----- CATEGORY 1: Heavy Duty Equipment -----**

**CATEGORY 1: Heavy Duty Equipment - Compact Tracked Loader**

**ITEM 1.**  
All compact track drive loader equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 80 horsepower:
- Rated operating capacity 2,500 pounds, minimum
- Rated operating capacity at 50% of tipping load 3,600 pounds, minimum
- Tipping load 7,300 pounds, minimum
- Automatic bucket leveling
- Reinforced rubber tracks
- Manufacturer standard bucket

**CATEGORY 1: Heavy Duty Equipment - Compact Wheel Drive Skid Steer Loader**

**ITEM 2.**  
All compact wheel drive skid-steer loader equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 70 horsepower:
- Rated operating capacity 2,200 pounds, minimum
- Tipping load 4,300 pounds, minimum
- Automatic bucket leveling
- Manufacturer standard bucket

**CATEGORY 1: Heavy Duty Equipment - Backhoe Loader**

**ITEM 3.**  
All backhoe loader equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 90 horsepower,
- 174" (14' 6") minimum backhoe standard dig depth
- 7,000 lbs. minimum loader bucket lift to full height
- ROPS operator cab
- Four wheel drive

**----- CATEGORY 2: Tractors -----**

**CATEGORY 2: Extra Heavy Duty Tractor**

**ITEM 1.**  
All heavy duty tractor equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 130 horsepower:
- 540 RPM rear PTO, 115 horsepower minimum,
- 3-point hitch, 6,000 lbs minimum lift capacity at 24"
- MFWD front axle for on/off 4WD
- Fully enclosed cab

**CATEGORY 2: Heavy Duty Tractor**

**ITEM 2.**  
All heavy duty tractor equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 90 horsepower,
- 540 RPM rear PTO, 75 horsepower minimum,
- 3-point hitch, 4,400 lbs minimum lift capacity at 24"
- Four wheel drive
- Enclosed cab

**CATEGORY 2: Medium Duty Tractor**

**ITEM 3.**  
All medium duty tractor equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 60 horsepower,
- 540 RPM rear PTO, 50 horsepower minimum,
- 3-point hitch, 3,100 lbs minimum lift capacity at 24"
- Four wheel drive

**CATEGORY 2: Compact Tractor**

**ITEM 4.**  
All compact tractor equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 30 horsepower,
- 540 RPM rear PTO, 20 horsepower minimum,
- 3-point hitch, 2,200 lbs minimum lift capacity at 24"
- Four wheel drive

**CATEGORY 2: Sub-Compact Tractor**

**ITEM 5.**  
All sub-compact tractor equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 20 horsepower,
- 540 RPM rear PTO, 12 horsepower minimum,
- 3-point hitch, 650 lbs minimum lift capacity at 24"
- Four wheel drive or selectable two wheel drive / four wheel drive
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**----- CATEGORY 3: Tractor Towed PTO Driven Equipment -----**

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type gang mower, terrain following, on a tilting frame for transport, for heavy duty large area mowing on flat and uneven terrain:**

**ITEM 1.**  
All tractor towed PTO driven mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Cutting width 20 feet
- (3) free floating mowing decks
- Drive line for tractor 3-point hitch and 540 RPM PTO
- 1" to 5" cutting height
- Rotary type cutting, (9) cutting blades
- 12" minimum diameter deck tires, pneumatic or semi-pneumatic
- Anti-scalping rollers or wheels

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type gang mower, terrain following, on a tilting frame for transport, for general mowing on large areas, flat and uneven terrain, such as parks, golf courses, school yards, large recreation areas:**

**ITEM 2.**  
All tractor towed PTO driven mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Cutting width of 15 feet
- (3) free floating mowing decks
- Drive line for tractor 3-point hitch and 540 RPM PTO
- 1" to 5" cutting height
- Rotary type cutting, (9) cutting blades
- 12" minimum diameter deck tires, pneumatic or semi-pneumatic
- Anti-scalping rollers or wheels

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type gang mower, terrain following, on a tilting frame for transport, for finish mowing on medium area flat or uneven terrain:**

**ITEM 3.**

All tractor towed PTO driven mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Cutting width of 9 feet, minimum
- (5) free floating mowing decks
- Drive line for tractor 3-point hitch and 540 RPM PTO
- 1" to 3" cutting height
- (5) cutting blades
- 10" minimum diameter deck tires, pneumatic or semi-pneumatic
- Anti-scalping rollers or wheels

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type gang mower, terrain following, on a tilting frame for transport, for finish mowing on medium to large area flat or uneven terrain:**

**ITEM 4.**

All tractor towed PTO driven mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Cutting width of 11 feet, minimum
- (3) free floating mowing decks
- Drive line for tractor 3-point hitch and 540 RPM PTO
- 1" to 5" cutting height
- (9) cutting blades
- 12" minimum diameter deck tires, pneumatic or semi-pneumatic
- Anti-scalping rollers or wheels

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type multiple unit heavy duty flexible wing rotary cutter for wide area heavy duty brush cutting, land clearing, highway maintenance, heavy brush material up to 4" thick:**

**ITEM 5.**

All tractor towed PTO driven rotary cutter equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Requires tractor PTO, 540 RPM
- Cutting width of 15 feet
- Heavy duty 10 gauge minimum thick steel decks, with ¼" thick skirt
- (2) hydraulic lift wing sections
- Connects available for tractor 3-point hitch or pull type hitch
- 2" to 16" cutting height
- 1/2" thick extra heavy duty steel rotary cutting blades
- Cuts material up to 4" thick
- Slip clutch drive line protection
- Front and rear discharge shields
- Rear caster wheel(s)

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type single unit heavy duty single unit rotary cutter for heavy duty brush cutting, land clearing, highway maintenance, heavy brush material up to 4" thick:**

**ITEM 6.**

All tractor towed PTO driven rotary cutter equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Requires tractor PTO, 540 RPM
- Cutting width of 6 feet, minimum
- Heavy duty 7 gauge minimum thick steel deck
- Connects available for tractor 3-point hitch or pull type hitch
- 2" to 9" cutting height
- ½" minimum thick extra heavy duty steel rotary cutting blades
- Cuts material up to 3" thick
- Slip clutch drive line protection
- Front discharge shields
- Rear caster wheel(s)

**CATEGORY 3: Tractor Towed PTO Driven Mowers - pull type single unit mower, for finish mowing on medium to small areas such as parks, school lawns, sports fields, golf course:**

**ITEM 7.**

All tractor towed PTO driven mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Cutting width of 48 inches
- Drive line for tractor 3-point hitch and 540 RPM PTO
- 1" to 4" cutting height
- (3) rotary cutting blades
- 10" minimum diameter deck tires, pneumatic or solid
- Rear cuttings discharge

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type single unit mower, for finish mowing on medium to large areas such as parks, school lawns, sports fields, golf course, including areas with uneven terrain:**

**ITEM 8**

All tractor towed PTO driven mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Cutting width of 84 inches
- Drive line for tractor 3-point hitch and 540 RPM PTO
- 1½" to 4" cutting height
- (3) rotary cutting blades
- 10" minimum diameter deck tires, pneumatic or solid
- Rear cuttings discharge

**CATEGORY 3: Tractor Towed PTO Driven Mowers - Pull type single unit air tunnel grooming mower, for finish mowing on medium to large areas for moist, rugged, or tall grass:**

**ITEM 9.**

All tractor towed PTO driven mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Cutting width of 72 inches
- Drive line for tractor 3-point hitch and 540 RPM PTO
- 1" to 4" cutting height
- (3) rotary cutting blades, offset for overlap
- 10" diameter deck tires, pneumatic or solid
- Side or rear cuttings discharge, with air lifting of cuttings

**----- CATEGORY 4: Off Road Utility Vehicles -----**

**CATEGORY 4: Off Road Utility Vehicles - Heavy Duty 4x4 Diesel Service Truck**

**ITEM 1:**

All heavy duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 20 horsepower,
- (2) occupants plus cargo
- Power dumping cargo bed
- 50" x 45" x 10" deep cargo bed
- 1,400 lbs minimum payload capacity
- 1,200 lbs minimum towing capacity
- Four wheel drive

**CATEGORY 4: Off Road Utility Vehicles - Medium Duty 4x4 Diesel Service Truck**

**ITEM 2.**

All medium duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 18 horsepower,
- (2) occupants plus cargo
- 40" x 45" x 9" deep cargo bed
- Tilting dump bed with tailgate
- 1,200 lbs minimum payload capacity
- 1,000 lbs minimum towing capacity
- Four wheel drive

**CATEGORY 4: Off Road Utility Vehicles - Medium Duty 4x4 Gasoline Service Truck**

**ITEM 3.**

All medium duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Gasoline engine, minimum 18 horsepower,
- (2) occupants plus cargo
- 40" x 45" x 9" deep cargo bed
- 1,200 lbs minimum payload capacity
- 1,000 lbs minimum towing capacity
- Four wheel drive

**CATEGORY 4: Off Road Utility Vehicles - Medium Duty 4x2 Gasoline Service Truck**

**ITEM 4.**

All medium duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Gasoline engine, minimum 14 horsepower,
- (2) occupants plus cargo
- 40" x 45" x 10" deep cargo bed
- Power tilting cargo bed
- 1,200 lbs minimum payload capacity
- 1,000 lbs minimum towing capacity
- Two wheel drive

**CATEGORY 4: Off Road Utility Vehicles - Light Duty 4x2 Gasoline Service Truck**

**ITEM 5.**

All light duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Gasoline engine, minimum 10 horsepower,
- (2) occupants plus cargo
- 36" x 44" x 10" deep cargo bed
- 1,000 lbs minimum payload capacity
- 600 lbs bed load capacity
- Two wheel drive

**CATEGORY 4: Off Road Utility Vehicles -Heavy Duty 4x2 Diesel Flatbed Truck**

**ITEM 6.**

All heavy duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Diesel engine, minimum 20 horsepower,
- (2) occupants plus cargo
- 63" x 46" x flatbed cargo bed
- Power tilting cargo bed
- 2,400 lbs minimum payload capacity
- 2,400 lbs minimum towing capacity
- Two wheel drive

**CATEGORY 4: Off Road Utility Vehicles - Heavy Duty 4x2 Gasoline Flatbed Truck**

**ITEM 7.**

All heavy duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Gasoline engine, minimum 20 horsepower,
- (2) occupants plus cargo
- 63" x 46" x flatbed cargo bed
- Power tilting cargo bed
- 2,400 lbs minimum payload capacity
- 2,400 lbs minimum towing capacity
- Two wheel drive

**CATEGORY 4: Off Road Utility Vehicles - Light Duty 4x2 Gasoline Flatbed Truck**

**ITEM 8.**

All light duty off road service vehicle equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Gasoline engine, minimum 10 horsepower,
- (2) occupants plus cargo
- 44" x 48" x flatbed cargo bed
- 900 lbs minimum payload capacity
- 600 lbs bed load capacity
- Two wheel drive

----- **CATEGORY 5: Self Propelled Riding Mowers** -----

**CATEGORY 5: Self Propelled Riding Mowers - Heavy duty wide coverage gang type rotary blades riding mower for large grass area mowing, and mowing of golf course rough turf:**

**ITEM 1.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 85 horsepower diesel engine, minimum,
- Cutting width of 16 feet
- (1) main deck and (2) wing decks
- 1" to 5" cutting height
- Hydraulic powered rotary cutting blades
- Hydrostatic all wheel drive
- Driver station with steering wheel and adjustable seat

**CATEGORY 5: Self Propelled Riding Mowers - Medium duty wide coverage gang type rotary blade riding mower for large grass area mowing, mowing of golf course rough turf, and large grass sports fields:**

**ITEM 2.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 50 horsepower diesel engine, minimum,
- Cutting width of 10 feet
- (1) main deck and (2) wing decks
- 1" to 5" cutting height
- Hydraulic powered rotary cutting decks
- Full time all wheel drive
- Driver station with steering wheel and adjustable seat

**CATEGORY 5: Self Propelled Riding Mowers - Medium duty wide coverage single deck type rotary blade riding mower for large grass area mowing, mowing of golf course rough turf, and large grass sports fields:**

**ITEM 3.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 50 horsepower diesel engine, minimum,
- Cutting width of 10 feet
- (1) main deck with swing-up side deck sections for (3) cut widths
- 1" to 5" cutting height
- Hydraulic powered rotary cutting blades
- Full time all wheel drive
- Driver station with steering wheel and adjustable seat

**CATEGORY 5: Self Propelled Riding Mowers - Wide coverage gang reel type riding mower for large grass area medium finish mowing, and mowing of golf course fairway turf:**

**ITEM 4.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 30 horsepower diesel engine,
- Cutting width of 8 feet
- (5) reel mowing units
- 0.25" to 2" cutting height
- Hydraulic powered mowing reels
- Hydrostatic all wheel drive
- Driver station with steering wheel and adjustable seat

**CATEGORY 5: Self Propelled Riding Mowers - Gang reel type riding mower for small to medium area finish mowing, and mowing of golf course rough, trim, and surrounds areas turf:**

**ITEM 5.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 18 horsepower diesel engine,
- Cutting width of 72 inches or 84 inches
- (3) reel mowing units
- 0.375" to 2" cutting height
- Hydraulic powered mowing reels
- Hydrostatic all wheel drive
- Driver station with steering wheel and adjustable seat

**CATEGORY 5: Self Propelled Riding Mowers - Gang reel type riding mower for small to medium area very fine finish mowing, and mowing of golf course greens:**

**ITEM 6.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 16 horsepower diesel engine,
- Cutting width of 59 inches
- (3) reel mowing units
- 0.062" to 0.297" or .0258" to 1" cutting heights
- Drive shaft powered mowing reels
- Hydrostatic all wheel drive
- Driver station with steering wheel and adjustable seat

**CATEGORY 5: Self Propelled Riding Mowers - Zero turn type rotary blade riding mower for medium and large size area general mowing and lawn area maintenance:**

**ITEM 7.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 30 horsepower diesel engine,
- Cutting width of 72 inches
- (3) rotary mowing blades
- 1½" to 5" cutting height
- Drive shaft driven cutter deck
- Hydrostatic two wheel drive
- Driver station with adjustable seat or control arms

**CATEGORY 5: Self Propelled Riding Mowers - Zero turn type rotary blade riding mower for medium size area general mowing:**

**ITEM 8.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 25 horsepower gasoline engine,
- Cutting width of 60 inches, minimum
- (3) rotary mowing blades
- 1½" to 5" cutting height
- Drive shaft driven cutter deck
- Two wheel drive
- Driver station with adjustable seat or control arms
- Anti-scalping wheels or rollers

**CATEGORY 5: Self Propelled Riding Mowers:  
Zero turn type rotary blade riding mower for small to medium size area general mowing and lawn area maintenance:**

**ITEM 9.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 20 horsepower gasoline engine,
- Cutting width of 50 inches, minimum
- (3) rotary mowing blades
- 1½" to 5" cutting height
- Belt driven cutter deck
- Two wheel drive
- Driver station with adjustable seat or control arms
- Anti-scalping wheels or rollers

**CATEGORY 5: Self Propelled Riding Mowers -  
Zero turn type rotary blade riding mower for small size area general mowing and lawn area maintenance:**

**ITEM 10.**

All self propelled riding mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 18 horsepower gasoline engine,
- Cutting width of 48 inches
- (2) rotary mowing blades
- 1½" to 4 ½" cutting height
- Belt driven cutter deck
- Two wheel drive
- Driver station with adjustable seat or control arms
- Anti-scalping wheels or rollers

**----- CATEGORY 6: Walk-Behind Mowing Equipment -----**

**CATEGORY 6: Walk-Behind Mowing Equipment - Walk-behind self propelled rotary blade mower for medium size area general mowing and lawn area maintenance:**

**ITEM 1.**

All walk-behind mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 14 horsepower gasoline engine,
- Cutting width of 48 inches, minimum
- (3) rotary mowing blades
- 1½" to 4" cutting height
- Belt driven cutter deck
- 5-speed transmission or hydrostatic to drive wheel
- Manual engine starting
- Handle mounted controls
- Anti-scalping wheels or rollers

**CATEGORY 6: Walk-Behind Mowing Equipment: - Walk-behind self propelled rotary blade mower for small size area general mowing and lawn area maintenance:**

**ITEM 2.**

All walk-behind mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 5 horsepower gasoline engine,
- Cutting width of 21 inches
- (1) rotary mowing blade
- 1" to 3" cutting height
- Crankshaft driven cutter blade
- 3-speed transmission to drive wheel
- Rear discharge, with bag and mulch plug
- Handle mounted controls

**CATEGORY 6: Walk-Behind Mowing Equipment - Walk-behind self propelled reel type mower for finish mowing of golf greens:**

**ITEM 3.**

All walk-behind mowing equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 4 horsepower gasoline engine,
- Cutting width of 21 inches, minimum
- (1) 11-blade cutting reel
- 1/8" to 7/16" cutting height
- Belt or chain drive cutting reel
- Clutch engagement drive to drive wheel
- Handle mounted controls
- Grass basket

**-----CATEGORY 7: Turf Maintenance & Material Handling Equipment -----**

**CATEGORY 7: Turf Maintenance Equipment - Tractor towed material handler and large area hydraulic driven top dresser for lawn area maintenance, material handling, and golf course sand trap maintenance:**

**ITEM 1.**

All towed top dresser equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum hopper capacity 4 cubic yards
- Adjustable spreading width of 9' to 35', minimum, with broadcast spinner attachment
- Towing tractor hydraulic system activates unit
- 30" wide conveyor belt
- Metering rear gate
- Swiveling cross conveyor attachment
- 11,500 pounds payload

**CATEGORY 7: Turf Maintenance Equipment - Tractor towed large area hydraulic driven top dresser for lawn area maintenance:**

**ITEM 2.**

All towed top dresser equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum hopper capacity 2.5 cubic yards
- Spreading width of 72 inches
- Towing tractor hydraulic system activates unit
- 72" wide conveyor belt
- Metering rear gate
- Hydraulic driven finishing brush
- 11,000 pounds payload
- Option for tractor PTO drive

**CATEGORY 7: Turf Maintenance Equipment:  
Ground driven top dresser for medium to large lawn area maintenance:**

**ITEM 3.**

All ground driven top dresser equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum hopper capacity 2 cubic yards
- Spreading width of 60 inches, minimum
- Ground drive wheels activate unit when towed
- 9" diameter brush
- 60" wide conveyor belt
- Metering rear gate
- Clutch for conveyor and brush drive
- 6,000 pounds payload

**CATEGORY 7: Turf Maintenance Equipment:  
Ground driven top dresser for small to medium lawn area maintenance:**

**ITEM 4**

All ground driven top dresser equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum hopper capacity 25 cubic feet
- Spreading width of 60 inches
- Ground drive wheels activate unit when towed
- 9" diameter brush
- 60" wide conveyor belt
- Metering rear gate
- Clutch for conveyor and brush drive
- 2,000 pounds payload

**CATEGORY 7: Turf Maintenance Equipment - Truck mounted broadcast spinner type top dresser for small to medium lawn area maintenance:**

**ITEM 5.**

All truck mounted top dresser equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum hopper capacity 18 cubic feet
- Spreading width of 15' to 30' with broadcast spinner
- Mounts on off road service vehicle with flatbed
- Uses carry vehicle hydraulic system for activation
- 18" wide conveyor belt
- Metering rear gate
- 1/32 inch to 1/4 inch spread depth

**CATEGORY 7: Turf Maintenance Equipment - Truck mounted drop type top dresser for small lawn area maintenance:**

**ITEM 6.**

All truck mounted top dresser equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum hopper capacity 18 cubic feet
- Spread width of 60"
- Mounts on off road service vehicle with flatbed
- Uses carry vehicle hydraulic system for activation
- 60" wide conveyor belt
- Metering rear gate
- Variable application rate

**----- CATEGORY 8: Recreation Area Equipment -----**

**CATEGORY 8: Recreation area Equipment - Self propelled riding ball field and golf course bunker conditioner:**

**ITEM 1.**

All self propelled riding ball field conditioning equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 12 horsepower gasoline engine,
- 3-wheel Hydrostatic drive
- Adjustable driver seat with steering wheel
- Uses a variety of attachments for grounds conditioning, which may include, but not limited to:
  - Leveling blade
  - Field rake or finisher
  - Drag mat
  - Scarifier
  - Grooming broom or brush

**CATEGORY 8: Recreation area Equipment - Self propelled Electric riding ball field conditioner:**

**ITEM 2.**

All self propelled riding ball field conditioning equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 5 peak horsepower, 48 volt DC electric motor
- (4) 12 volt deep cycle batteries
- Charging system for 110 VAC or 220 VAC input
- Direct drive motor to rear wheels transaxle
- Adjustable driver seat with steering wheel
- Uses a variety of attachments for grounds conditioning, which may include, but not limited to:
  - Leveling blade
  - Field rake or finisher
  - Drag mat
  - Scarifier
  - Grooming broom or brush

**CATEGORY 8: Recreation area Equipment - Towed ball field scarifier, rake, and surface conditioner:**

**ITEM 3.**

All towed ball field conditioning equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Towed behind small tractor or off road service vehicle
- Basic unit with locked and float position selection
- Basic towed unit 70" minimum width
- Uses a variety of attachments for grounds conditioning, which may include, but not limited to:
  - Heavy duty scarifier
  - Light duty scarifier
  - Double brush broom

**CATEGORY 8: Recreation area Equipment - Walk-behind self propelled field line painter:**

**ITEM 4.**

All walk behind line painting equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 3 HP Gasoline engine, drives unit and paint pump system,
- 3-wheel tricycle chassis, with pneumatic tires
- Self propelled, with handle mounted drive engagement
- Variable line width, 2" to 6" wide
- Agitation system to keep paint mixed
- 10 gallons minimum capacity line paint tank

**----- CATEGORY 9: Aerator Equipment -----**

**CATEGORY 9: Aerator Equipment - Tractor towed PTO driven large area aerator:**

**ITEM 1.**

All tractor towed aerator equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 98" minimum aeration width
- Up to 5" aeration depth capability
- 3-point tractor hitch towed, tractor PTO driven
- 540 RPM tractor PTO required, 2,300 pounds 3-point hitch lift capacity
- Choice of coring or solid tines

**CATEGORY 9: Aerator Equipment - Tractor towed PTO driven deep tine aerator:**

**ITEM 2.**

All tractor towed aerator equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 72" minimum aeration width
- Minimum 8" aeration depth capability
- 3-point tractor hitch towed, tractor PTO driven
- 540 RPM tractor PTO required, 2,800 pounds 3-point hitch lift capacity
- Choice of coring or solid tines

**CATEGORY 9: Aerator Equipment - Self propelled small to medium area walk-behind aerator:**

**ITEM 3.**

All walk-behind aerator equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 48" aeration width
- Up to 4" aeration depth capability
- 20 horsepower gasoline engine,
- 7.5 gallon fuel tank
- 3-wheel hydrostatic drive system

**CATEGORY 9: Aerator Equipment - Self propelled small area walk-behind aerator:**

**ITEM 4.**

All walk-behind aerator equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 31" aeration width
- Up to 3" aeration depth capability
- 20 horsepower gasoline engine,
- 5 gallon fuel tank
- 2 wheel drive system

**----- CATEGORY 10: Debris Blower Equipment -----**

**CATEGORY 10: Blower Equipment - Towed engine driven debris blower, to be towed behind an off road service vehicle:**

**ITEM 1.**

All truck towed engine driven blower equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 20 horsepower gasoline engine,
- Turbine fan
- Single nozzle blower air chute, 360 degrees rotation
- 5 gallon fuel tank
- Remote control of unit from vehicle driver station, to include blower air chute rotation

**CATEGORY 10: Blower Equipment - Tractor Towed PTO driven debris blower, medium air volume:**

**ITEM 2**

All tractor towed PTO driven blower equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 540 RPM PTO powered
- 3-point hitch mounted
- Single nozzle blower air chute, 180 degrees rotation
- 6,000 Cubic feet per minute (CFM) air flow
- Turf protection roller

**CATEGORY 10: Blower Equipment - Tractor Towed PTO driven debris blower, high air volume:**

**ITEM 3.**

All tractor towed PTO driven blower equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 540 RPM PTO powered
- 3-point hitch mounted
- Single nozzle blower air chute, 180 degrees rotation
- 7,000 Cubic feet per minute (CFM) air flow, minimum
- Turf protection roller

**----- CATEGORY 11: Seeding Equipment -----**

**CATEGORY 11: Seeding Equipment - Tractor Towed PTO driven overseeder equipment for large area seeding:**

**ITEM 1.**

All tractor towed PTO driven over seeding equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Tractor PTO powered, 540 RPM
- 3-point hitch mounted
- 72" seeding width
- 0" to 1½" seed depth
- Slip clutch drive line protection
- 5 bushel waterproof seed box with seed agitator
- Soil slicing knives for seed deposit

**CATEGORY 11: Seeding Equipment - Tractor Towed ground driven overseeder equipment for medium area seeding:**

**ITEM 2.**

All tractor towed ground driven over seeding equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 3-point hitch mounted
- 48" seeding width
- 0" to 1½" seed depth
- 3 bushel seed box
- Metering seed cups

**CATEGORY 11: Seeding Equipment - Walk-Behind self propelled overseeder equipment for small area seeding:**

**ITEM 3.**

All walk behind self propelled over seeding equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 11 horsepower gasoline engine
- V-belt drive
- 19" seeding width
- 0" to 1½" seed depth
- Belt tightening clutch drive
- .8 cubic ft. seed box
- Soil slicing system for seed deposit
- Seed metering system

**----- CATEGORY 12: Spraying Equipment -----**

**CATEGORY 12: Spraying Equipment - Self propelled riding boom type sprayer:**

**ITEM 1.**

All self propelled riding boom type sprayer equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 30 horsepower diesel engine,
- Hydrostatic drive
- 10 gallons fuel tank
- 18 ft. 3-section folding spray boom, with break-away protection
- 300 gallons spray solution tank
- Enclosed driver cab

**CATEGORY 12: Spraying Equipment - Trailer mounted boom type sprayer:**

**ITEM 2.**

All trailer mounted sprayer equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Gasoline engine driven spray media pump,
- 200 gallons fiberglass or polyethylene spray media tank
- Media agitation system in tank
- 18 ft. 3-section folding spray boom, with break-away protection
- Hand held tree sprayer with 100 ft. of hose
- 50 ft. minimum tree spray height
- Spray control system

**CATEGORY 12: Spraying Equipment - Off road service vehicle mounted boom type sprayer:**

**ITEM 3.**

All service vehicle mounted sprayer equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Mounts on heavy duty flatbed off road service vehicle
- Uses carry vehicle hydraulic system for spray pump drive
- 200 gallons fiberglass or polyethylene spray media tank
- Media agitation system in tank
- 3-section folding spray boom, with break-away protection
- Hand held spray gun capability with 50 ft. minimum hose
- 200 psi available spray pressure
- Spray control system

**----- CATEGORY 13: Hand Held Equipment -----**

**CATEGORY 13: Hand Held Equipment - Gasoline powered string trimmer:**

**ITEM 1.**

All hand held equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum 28cc gasoline engine,
- 17" width of cut
- Weight of 14 pounds or less
- Straight shaft, 58" minimum length
- Minimum fuel capacity 17 ounces
- Dual trimmer line head

**CATEGORY 13: Hand Held Equipment - Gasoline powered backpack mounted blower unit:**

**ITEM 2.**

All hand held equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum 60cc gasoline engine,
- Tube mounted throttle
- Weight of 25 pounds or less
- Minimum 45 ounce fuel tank capacity
- Back rest and shoulder straps
- Minimum air volume with tube 700 cubic feet per minute
- Exit air speed up to 200 MPH minimum
- 75 Db(A) maximum noise level

***CATEGORY 13: Hand Held Equipment - Gasoline powered Chain Saw:***

**ITEM 3.**

All hand held equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum 50cc gasoline engine
- Minimum 3 horsepower,
- 18" bar length
- Weight of 13 pounds or less
- Chain stop brake
- Minimum fuel capacity 12 ounces
- Vibration reduction system

**CATEGORY 13: Hand Held Equipment - Gasoline powered Backpack Sprayer:**

**ITEM 4.**

All hand held equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Minimum 21cc gasoline engine,
- Minimum 16 ounces fuel capacity
- Minimum 5 gallon media tank
- Metal spray wand
- 20 ft. spray distance
- Minimum 140 psi rating
- Shoulder strap system

**----- CATEGORY 14: Miscellaneous Equipment -----**

**CATEGORY 14: Miscellaneous Equipment - Ground driven towed fertilizer and sand/salt broadcast spreader:**

**ITEM 1.**

All ground driven towed fertilizer spreader equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Hopper capacity holds 800 pounds of material
- Equipment is ground wheel driven, no motor drives
- Broadcast spreading of fertilizer up to 50 feet total width
- Spreading of sand and road salts up to 18 feet total width
- Choice of traction profile tires or lawn flotation tires

**CATEGORY 14: Miscellaneous Equipment - Tractor Towed PTO driven artificial turf sweeper:**

**ITEM 2.**

All tractor towed PTO driven artificial turf sweeper equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- Tractor PTO driven, 540 RPM
- 3-point hitch mounted, 1,550 lbs lift
- 60" width of sweeping path
- Rotary brush
- Turbine fan
- Filter and sifter

**CATEGORY 14: Miscellaneous Equipment - Tractor towed engine driven vacuum turf sweeper:**

**ITEM 3.**

All towed engine driven turf vacuum sweeper equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 20 horsepower gasoline engine,
- ¾" pin type hitch
- 5 cubic yards capacity debris hopper
- 60 inch sweep width
- Spring loaded flex tip reel for small debris pick up

**CATEGORY 14: Miscellaneous Equipment - Walk-Behind self propelled sod cutter:**

**ITEM 4.**

All walk behind self propelled sod cutter equipment offered as an equivalent shall meet or exceed the following minimum requirements:

- 5 horsepower gasoline engine,
- V-belt drive
- 18" sod cutting width
- Sod cutting thickness adjustable to 2½"
- Minimum of (2) forward speeds
- Clutch operation at handle controls