**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL**

**Manufacturer/Model:** Click or tap here to enter text.

**Engine:** Click or tap here to enter text.

**COMPLIANCE**

**YES NO**

**GENERAL SPECIFICATIONS**

Manufacturer/Model: John Deere 4066RLV, or equal

Engine Family: EYDXL2.09HDA, FYDXL2.09HDA, GYDXL2.09HDA, or equal

Engine Manufacture: Yanmar, or equal

Power Take-Off Power (PTO): PRT – 40.4kW, 54.2HP; eHST-38.7 kW 51.9HP;

Per SAE J1995

Rated Engine Speed: 2600 rpm

Diesel Powered

Injection Pump Type: High pressure Common Rail Direct Injection

Aspiration: Turbocharged and charge air-cooled

Emissions compliance: Final Tier 4

Cylinders/Displacement: 4/2.091 L; 4/127.6 Cu. In.

Number of Cylinders: Four (4)

Cylinder Liners: Cast-in-Block

Bore and Stroke: 86 X 90mm; 3.4 X 3.54 in.

Compression Ratio: 19.1:1

Lubrication: Pressurized

Cooling system: Liquid

Air Cleaner: Dual element with electronic restriction indicator

FT4 Regeneration:

* Regeneration of tractor will not require any addition of DEF fluid

or any operator input for completion; passive regeneration

* Active of Parked Regeneration will also be an option with a toggle switch inside

cab

Full set of filters and fluids for initial service – oil, air, fuel and fluids and HY-Gard

Low Visc Fluid; five (5) gallons of manufacturer recommended hydraulic fluid

Engine Torque at Rated Speed: 178 Nm, 131.3 lb.-ft.

Fuel Tank Capacity: Cab-52.2L; 13.8 U.S. Gallons

**ELECTRICAL**

Battery size: 770 CCA

Alternator – 12V: 75 amp

Starter Size: 2 kW; 2.68 HP

Lighting: both forward and rear facing work lights on all four (4) corners of cab

Safety Light: Beacon Light

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**FUEL SYSTEM**

Type: High Pressure Common Rail Direction Injection

**TRANSMISSION**

Standard Transmission; Forward/Reverse: eHydro Transmission (eHST)

Creep Forward and Reverse:

* Tractor shall have the ability to creep forward and

reverse from a panel outside the cab when safety conditions are met

* Assists in attaching and detaching various 3-point implements without

assistance

Transmission Gear Ranges: eHydro-Infinitely variable 3-range

Final Drive: Planetary

Brakes: Multi-Plate Wet Disc

Steering: Hydrostatic Power Steering

Clutch, Wet/Dry: Wet

Clutch Disk Diameter Wet Clutch: 129 mm; 5.08 in.

Axle Capacity:

* Front: 1600 kg; 3,528 lb.
* Rear: 2400 kg; 5,292 lb.

Creeper: Speedmatch Standard- Tractor shall be able to throttle along with the

forward or reverse pedals in correlation to pressure

Cruise Control: Standard

Differential Lock: Yes

Rollout Adjustment: Tractor shall be equipped with a rollout adjustment knob on the

right hand console; operator shall be able to adjust the automatic stopping distance of

the tractor on the fly

**HYDRAULICS**

Type: Open center

Pump Rated Output: 65.8 L/min; 17.4 gpm

Steering: 23.5 L/min; 6.2 gpm

Implement: 42.3 L/min; 11.2 gpm

Pump Type: Single Gear

Draft Control Sensing: Position Control

**3-POINT HITCH**

Type: Category 1

Operation: Shall be able to operate from the operator’s seat and from a handle on the

rear of the tractor to aid in attaching and detaching implements safely.

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**POWER TAKE-OFF (PTO)**

Standard: Independent 540 rpm at 2600 rpm

Control: Independent

Clutch: Wet Disc

**FLUID CAPACITIES**

Crankcase with Filter: 5.3L; 1.4 qt.

Transmission and Hydraulic System: 47.3 L; 12.5 gal.

**FINAL DRIVE**

Type: Planetary

Shall have Differential Lock

**OPERATOR’S STATION**

Shall be equipped with a rollover protective structure

Shall be a CAB type

Shall have a flat platform

**CAB**

Shall be in compliance with OSHA, SAE and ASAE

Cab Trim: Deluxe Factory Cab with Heat/Air 360° Visibility Noise Reduction

Speakers and Radio

Visibility: 360° angle

A/C Temperature Differential: 14.4 & #176;C / 58 & #176;F

Doors: Two (2) both left and right sides open for safety

Noise Rating: 78 dBA

Horn: Equipped with electrical horn on dashboard

Seat Equipment: deluxe air suspension with swivel

Radio: Factory Installed Radio with Bluetooth Capability

Safety Alarms: Equipped with Backup Alarm

**DIMENSIONS**

Wheelbase: 185.5 cm; 73 in.

Front Axle Clearance: 35.1 cm; 13.8 in.

Turning Radius with Brakes: 2.8 m; 9.19 ft.

Turning Radius without Brakes: 3.0 m; 9.84 ft.

Approximate Weight: cab – 2,120 kg; 4,675 lb.

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**TIRES**

Front: Industrial 10-16.5

Rear: Industrial 16.9L x 24

Front Tread Range: 148.1 cm; 58.3 in.

Front Tread Spacing: 137.2 cm; 54 in.

One (1) spare front tire with rim and one (1) spare rear tire with rim shall be included

**WARRANTY**

Comprehensive - Two (2) year/2,000 Hours, whichever comes first

Powertrain - Six (6) years/2,000 Hours, whichever comes first

**OPTIONS**

**1A. Sickle Bar**

**Manufacturer/Model:** Click or tap here to enter text.

Manufacturer: Frontier PCI Model SB31 XF, Model SB3106, or equal

**DIMENSIONS**

Working Width: 175 cm; 68.9 in.

Minimum cutting height: 2.5 cm; 1 in.

Maximum cutting height: 7.6 cm; 3 in.

Weight: Shipping – 277.6 kg; 612 lb.; Operational – 230 kg; 507 lb.

**HITCH**

* Type: 3-point category 1
* iMatch Compatible: Yes
* Quick-coupler compatible: Yes

**COMPATIBILITY**

PTO Minimum HP: 18.6 kW; 25 HP

PTO Maximum HP: 37.3 kW; 50 HP

PTO RPM: 540 rpm

**WARRANTY**

Frontier Implements and Attachments – Twelve (12) Months

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1B. Flail**

**Manufacturer/Model:** Click or tap here to enter text.

John Deere PCI Model 0390XP, or equal

**GENERAL**

Cutting width: 2.3 m; 90.5 in.

Offset: 26 in.

Cutting height: 13-127 mm; 0.5 in. to 5 in.

Hood thickness: 4.8 mm; 0.19 in.

**BLADES**

Number: 168 Blades (84 Pairs)

Type: Heat-treated reversible slide-slice

Full set (84 pairs) of blades, hangers and hardware for replacement shall be provided

**ROTOR**

Speed: 1,850 rpm

Diameter: 114 mm; 4.5 in.

**DRIVES**

PTO: 540 rpm

Belts: 2-section 5VX-2 notched

Gauge roller: 140 mm; 5.5 in.

**TRACTOR HP REQUIRED**

Minimum: 22 kW; 30 HP

Maximum: 56 kW; 75 HP

**3-POINT HITCH**

Shall be quick coupler compatible – Category 1 or 2

**DIMENSIONS**

Overall Width: 2.5 m; 99 in.

Overall Height: 0.99 m; 39 in.

Overall Length: 1 m; 40 in.

Weight: 495 kg; 1,093 lb.

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1B. Flail (Cont’d)**

**WARRANTY**

Two (2) years; standard coverage

**1C. Loader**

**Manufacturer/Model:** Click or tap here to enter text.

**Engine:** Click or tap here to enter text.

John Deere PCI Model 440RXP/440R NSL/on 4066R Tractors, or equal

**SPECIFICATIONS**

Base Weight: 302 kg; 665.8 lb.

Levelling Configuration: Non-self-Leveling

Bucket shall use materials with replaceable cutting edge

Additional cutting edge and hardware shall be provided

Lift Capacity at full height:

* Measured at pivot: 1,154 kg; 2,539 lb.
* Measured at 500 mm ahead of pivot: 857 kg; 1.885 lb.

Lift Capacity at 59 in. (1500 mm):

* Measured at pivot: 1,374 kg; 3,023 lb.
* Measured at 500 mm ahead of pivot: 1,097 kg; 2,413 lb.

Boom Breakout Force:

* Measured at pivot: 1,826 kg; 4,017 lb.
* Measured at 500 mm ahead of pivot: 1,377 kg; 3,029 lb.

Bucket Rollback Force Capacity:

* At Max Height: 940 kg; 2,068 lb.
* At 59-in. (1500-mm) lift height: 1,491 kg; 3,280 lb.
* At ground-level line: 1,554 kg; 3,419 lb.

Dimensions:

* Max. Lift Height: 2798.7 mm; 110 in.
* At full height – bucket level: 2593 mm; 102 in.
* At full height – bucket dumped: 2195 mm; 86 in.
* Overall length: 3.5 m; 11.67 ft.
* Overall height in carry position: 1.53 m; 5 ft.
* Digging Depth: 119 mm; 5 in.

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1C. Loader (Cont’d)**

**SPECIFICATIONS (Cont’d)**

Reach:

* At Max Height: 753 mm; 30 in.
* At ground level – bucket level: 1703 mm; 67 in.

Bucket Angle:

* Dump Angle – 47.47°
* Rollback Angle – 33.42°
* Dump Angle – Ground – 129.54°

Cycle Times:

* Loader Raise: 2.6 seconds
* Loader Lower: 1.75 seconds
* Bucket Dump: 1.96 seconds
* Bucket Rollback: 1.16 seconds

**WARRANTY**

Two (2) years; standard coverage

**1D. Extended Warranty**

6 Year/5,000 Hour Comprehensive Warranty

**1E. Diagnostic Tools / Test Equipment**

1. Successful bidder may be required to supply between one (1) to three (3)

complete sets of OEM test/diagnostic/ programming equipment (i.e. laptop,

software, cabling, and adapters) and special tools required to perform the

full range of diagnostic and maintenance actions necessary to maintain

vehicle operability. This equipment will cover the vehicle chassis, engine,

transmission, brakes, hydraulics, and all additional equipment (if applicable).

1. All laptop computers will be of the newest available technology and have

sufficient storage and memory to operate all required software.

1. Provide a list of all test/diagnostic/programming equipment and special tools

being supplied at the time of bid.

1. All software installations and activations will be completed by the successful

bidder at no cost to the County.

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1E. Diagnostic Tools / Test Equipment (Cont’d)**

1. All software updates and renewal will be provided at no cost to the County

for a period of five (5) years from the acceptance of the equipment.

1. All technical issues relating to test/diagnostic/programming equipment and

special tools shall be resolved by the successful bidder at no cost to the

County for a period of five (5) years from the acceptance of the equipment.

1. Training shall be provided on all items in this section at a County location.

**1F. Technical Support**

Technical Support is to be provided by factory authorized technical representatives and

is to be the original equipment Manufacturer’s industry standard technical presentation

in a classroom setting.

The support provided shall be at the journeyman/equipment technician level and should

address limited theory, fault diagnosis and repair pertaining specifically to the equipment

supplied under this specification.

Technical support may be requested in the following areas:

1. Engine (cooling, fuel, ignition, lubrication systems) – 1 day at each location.

2. Transmission – 1 day at each location

3. Electrical – 1 day at each location

4. Brakes – 1 day at each location

5. Hydraulic system (dump body, spreader, snow plow) – 1 day at each location

6. Upfitter (dump body, sweeper, etc.) – 1 day at each location

A technical representative(s) shall be made available for a total of 180 training/support

hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days will be

allowed only with consent of Vehicle Services. The total training hours will be required

to be provided and no additional compensation will be considered. The actual time to be

spent on each area will be by mutual agreement of the Vehicle Services Department and

the successful bidder.

For the purposes of determining materials and other training costs, class size is

anticipated to be comprised of six (6) to ten (10) Vehicle Services Department personnel.

Actual class size will be determined by the Vehicle Services Department at the time the

classes are scheduled.

**ITEM #1 – MODEL YEAR 2022, OR NEWER JOHN DEERE 4066RLV 4WD MOWER WITH FLAIL AND BUCKET, AS SPECIFIED OR EQUAL (CONT’D)**

**COMPLIANCE**

**YES NO**

**OPTIONS (Cont’d)**

**1F. Technical Support (Cont’d)**

Before the training is scheduled, Vehicle Services and the contractor will agree on the

scope of the training, and the type and quantity of manuals, etc. that are necessary for

proper coverage.

Technical Support for Vehicle Services may be provided at the following fleet

maintenance facility location as scheduled by a Vehicle Services Department

representative:

a. Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions

will be provided at this location. One beginning at 7 am and another beginning

at 1:30 pm)

b. Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050

Technical Support for other Departments will be held at a location within

Ocean County. The requesting Department will notify the successful bidder of

the location.

Training at the successful bidder’s site, rather than the designated locations, will

be by mutual consent only.

Technical support will be requested and scheduled on an as needed basis up to

but not exceeding the 180 hours total during a period not to exceed twelve (12)

months from the date of placing the last unit in service.