



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

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Deputy Director Virginia E. Haines
Commissioner Barbara Jo Crea
Commissioner Gary Quinn
Commissioner Joseph H. Vicari

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Board Meeting Agenda

Date: January 19, 2022 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLE: LOADER NO. II to Jesco, Inc., the sole qualified bidder. (B2022-04)

Official Resolution#	2022000038						
Meeting Date	01/19/2022						
Introduced Date	01/19/2022						
Adopted Date	01/19/2022						
Agenda Item	m-4						
CAF #							
Purchase Req. #	B2022-04						
Result	Adopted						
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Kelly		✓					
Haines	✓				✓		
Crea	✓		✓		✓		
Quinn	✓				✓		
Vicari	✓			✓	✓		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board

CONTRACT NO. MUST BE ON ALL
PAPERS, DOCUMENTS, INVOICES, VOUCHERS
NO. B2022-04

RESOLUTION

January 19, 2022

WHEREAS, on December 7, 2021, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLE: LOADER NO. II for the County of Ocean; and

WHEREAS, at the advertised time, one response was received from the following bidder:

Name of Bidder

Address of Bidder

Jesco, Inc.

118 St. Nicholas Ave.
South Plainfield, NJ 07080
(908) 753-8080

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the sole qualified bid, according to specifications, namely that of, JESCO, INC. be accepted.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract accepting the bid for the furnishing and delivery of Motor Vehicle: Loader No. II for the County of Ocean, for the contract period from date of award through January 18, 2023, a period of one (1) year or until delivery is complete. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15, as follows:

JESCO, INC. for ten (10) items, to wit:

ITEMS NO. 1, 1a, 1b, 1c, 1d, 1e, 1f, 1g, 1h and 1i.

For a Total Lump Sum Award (Item #'s 1-1i) of \$1,300,017.00.

This vendor has extended this contract to County Cooperative Contract System Participants.

2. Payments for the equipment to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for equipment shall be available within the following funding Sources: County Road Department O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2022-04.

5. BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, County Road Department and Jesco, Inc., the successful bidder.

PROPOSAL DOCUMENT REPORT
 Bid No. TBD
 MOTOR VEHICLE: LOADER NO. II

Line/Item	Description	Qty.	Max. Qty.	Unit of Measure	Unit Cost	Total	Comments
✓ 1	Model Year 2022, or Newer, John Deere 724P 4-Wheel Drive Loader, As Specified, or Equal	1	3	EA	\$294,890.00	\$884,670.00	
OPTIONS							
✓ 1a	Warranty Upgrade Package #1, As Specified	1	3	EA	\$15,407.00	\$46,221.00	
✓ 1b	Warranty Upgrade Package #2, As Specified	1	3	EA	\$18,859.00	\$56,577.00	
✓ 1c	Warranty Upgrade Package #3, As Specified	1	3	EA	\$18,859.00	\$56,577.00	
✓ 1d	Preventative Maintenance Package, As Specified	1	3	EA	\$25,824.00	\$77,472.00	
✓ 1e	Brush Bucket, As Specified	1	3	EA	\$29,750.00	\$89,250.00	
✓ 1f	Diagnostic Tools/Test Equipment, As Specified	1	3	SET	\$23,000.00	\$69,000.00	
✓ 1g	Two-Way Radio Power and Wiring Requirements for New Vehicles, As Specified	1	3	EA	\$750.00	\$2,250.00	
✓ 1h	Installation of County-Supplied Two-Way Radio Accessories, As Specified	1	3	EA	\$900.00	\$2,700.00	
✓ 1i	Technical Support, As Specified	1	180	HOUR	\$85.00	\$15,300.00	
TOTAL						\$1,300,017.00	

MOTOR VEHICLE – LOADER

ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL

Manufacturer/Model: John Deere 724 P Tier Wheel Loader

Engine: John Deere Power Tech PSS 6090 EPA Final Tier 4 9.0 L.

Transmission: Powershift 5-Speed with Lockup Torque Converter

Warranty: Standard Warranty: Full Machine Coverage For 12 Months

Extended Warranty Option #1 : 5 Year (60 Month)/7,000 Hour Comprehensive Warranty Travel Time/Mileage included for the first year.

Extended Warranty Option #2 : 7 Year (84 Month)/7,000 Hour Comprehensive Warranty Travel Time /Mileage included for the first year.

Extended Warranty Option #3 : 7 Year (84 Month)/7,000 Hour Comprehensive Warranty Travel Time/Mileage unlimited for the first year.

Delivery, A.R.O.: 180 Days Approximately – Subject to world wide supply chain issues.

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
ENGINE		
Six (6) cylinder, turbocharged, charge air cooled diesel engine and shall be designed and built by the manufacturer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine shall be certified to EPA Final Tier 4/EU Stage V	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine shall have a wet-sleeve cylinder liner design for improved cylinder cooling over dry sleeve and cast-in-bore design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine displacement shall be no less than 9.0 liters (548 cu. in.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gross peak power not less than 276 hp at 1800 rpm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine net peak power shall be no less than 268 hp (200 kW) @ 1800 rpm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine shall develop at least a 48% torque rise and should have at least 951 lb per foot (1290 Nm) net peak torque @1400 rpm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fuel system shall be high-pressure, common rail, and compatible with B20 biodiesel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Daily check points shall be accessible from one side of the engine and shall be done from ground level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Under-hood engine air cleaner shall be dry type, dual element with a restriction sensor and in-cab restriction warning light. Must be able to access air cleaner without tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The loader shall have pre-screened under hood air intake to minimize plugging	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The loader shall have automatic exhaust filter regeneration with de-rating when exceeding
 Adopted on: January 19, 2022
 Official Resolution#: 2022000038

MOTOR VEHICLE – LOADER

- system temperatures
- Access to engine will be open from both sides with side opening, full access service doors
- Engine shall have no less than 10-micron rated primary fuel filter with water separator

ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

ENGINE (Cont'd)

- Loader shall be equipped with a heavy-duty steel fuel tank guard
- Service interval for the engine oil and filter shall be 500 hours
- The unit shall have a programmable auto-shutdown and auto-idle (900-1250rpm) feature for the engine as standard equipment
- The electrical system shall be 24 volt with 100 amp (140 amp optional) alternator

COOLING

- Unit shall have a proportionally controlled, hydraulically driven reversing, 90° swing-out fan, standard equipment
- The unit will have two-sided access to all coolers
- Air intake shall be pre-screened .12 inches (3 mm perforations) for each cooling component
- Cooling system shall be isolated from the engine compartment
- Unit shall have a coolant recovery tank provided
- Unit shall have a fan-guard
- Fluid levels should be easily checked by sight gauges or overflow tank
- Unit shall have a 6000 hour interval of service for cooling system

POWER TRAIN

- Unit shall have a counter shaft power shift transmission with Lockup torque-converter, Five (5) forward, Three (3) reverse gears to provide improved fuel economy in load-and-carry or road applications.
- The transmission shall be electronically controlled, adaptive, with load and speed dependent shift modulation
- Shift modes shall be manual, auto to 1st or 2nd, kick down or kick up/down.

MOTOR VEHICLE – LOADER

- Service interval for the transmission oil filter shall be 2000 hours
- The transmission clutch calibration shall be performed from the cab monitor

ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

POWER TRAIN (Cont'd)

- Unit shall have a joystick mounted F-N-R and gear-select lever, kick-down button on hydraulic lever. Shall have quick shift feature that allows pushbutton gear changes, one gear at a time
- Sight gauge showing transmission fluid shall be at ground level
- Transmission filter restriction shall be displayed in the cab
- The transmission shall be able to reach 24.9 mph in 5th gear and 12.7 in 3rd gear with 23.5R25 tires

AXLES/BRAKES

- The final drives shall be heavy-duty inboard planetary
- The loader shall have the brake pedal function as an adaptive clutch cut off or brake only function
- The service brake shall be hydraulically actuated, spring-retracted, inboard sun shaft mounted, oil cooled, self-adjusting, single disc, and sealed from water, mud, and dust contamination
- The parking brake shall be automatic spring applied, hydraulically released, driveline mounted, oil-cooled, multi-disc and sealed from water, mud and dust contamination
- The brakes shall have easy access for inspection with elevated axle breathers
- Rear axle shall not have less than 26 degrees oscillation, stop to stop. when equipped with 23.5R25 radial tires
- The dipstick port and housing fill shall be at the top of the axle
- The front axle shall be dual locking hydraulically actuated, disc clutch style, locking differential. Automatic differential lock shall be supplied.
- The loader shall have a standard hydraulic locking front with conventional rear and optional dual locking front and rear axle

MOTOR VEHICLE – LOADER

HYDRAULIC SYSTEM

The Hydraulic flow shall not be less than 82 gpm.

The hydraulic filter shall be in-tank, vertical mounting with service interval of 4000 hours.

The hydraulic fluid shall have a rated life of 4000 hours

✓ **ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

HYDRAULIC SYSTEM (Cont'd)

The hydraulic system shall be pressure-compensating load-sensing

Hydraulic tank capacity should be no less than 27.8 gallons

Unit shall be equipped with single-lever joystick

Unit shall have in cab programmable return to carry, boom height kick out, and two separate return to dig savable settings

Unit shall have two programmable multi-function buttons on the joystick

All auxiliary flow functions will have the ability to be adjustable and continuous

Unit will have ability to set hydraulic flow and response rates for up to ten (10) attachments

Unit shall have a bucket shake feature for fine metering of loose materials programed on the multi-function buttons

Unit shall have a precision mode for operations requiring slow and precise control of hydraulics

A sight gauge will be provided for checking hydraulic reservoir fluid

Hydraulic pump shall be variable-displacement, axial-piston pump: closed-center, pressure-compensating system

Third function valve and plumbing shall be provided, third function shall be activated via rocker switch on joystick

Loader steering articulation angle shall be no less than 80° (40° in each direction)

ELECTRICAL

Two batteries shall be included, 24-volt, 950 CCA, 200-min. rated reserve of no less than 25 amps for 200-min at 80°F

Introduced on: January 19, 2022
 The unit shall have a solenoid electrical power distribution system using circuit board
 Official Resolution#: 2022000038

MOTOR VEHICLE – LOADER
technology and solid-state switches

The unit shall have a keyless starting system with configurable security settings

Unit's electrical system will be protected by a 150 amp circuit breaker.

✓ **ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

ELECTRICAL (Cont'd)

The unit shall be provided with a lockable master electrical disconnect switch

Cab will be pre-wired for a rotating beacon/strobe light

The in-cab switch module shall be sealed to keep out dirt, dust and airborne debris

Unit shall be equipped with (4) front; (2) rear driving lights with guards, turn signals and flashers, stop and tail lights. The tail lights shall be type mounted high up in the rear grille for protection from damage and better sight visibility and shall have a normal service life equal to the machine. All Lights shall be LED.

Unit shall come standard with three (3) 12v power ports

Unit shall be equipped with analog display for:

- engine coolant temperature
- transmission oil temperature
- hydraulic oil temperature
- engine oil pressure

Unit shall have digital readout for: engine rpm, odometer, transmission gear/direction indicator, speedometer, hour meter, fuel level, average fuel level, and DEF level

Unit shall have operator warning lights for:

- check engine
- engine oil pressure
- engine air restriction
- battery voltage
- transmission filter restriction
- brake pressure
- hydraulic oil filter
- transmission fault
- hydraulic oil temperature

The monitor will have the diagnostic capability to test electrical switches in the cab without the use of special tools.

MOTOR VEHICLE – LOADER

performance and productivity (e.g. fuel consumed, idle time, ride control utilization) when Operator Security PINs are enabled and assigned.

OPERATOR STATION

Unit shall be equipped with a Cab with ROPS/FOPS Level 1 protection, including A/C and heater and be multiplane isolation mounted for noise/vibration reduction

✓ ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPERATOR STATION (Cont'd)

Automatic temperature controlled HVAC shall be standard

Orange colored 3" retractable seat belt shall be provided

Dual tilt steering wheel shall be standard for maximum operator comfort

3-point contact at all times at the front and rear of the loader and around the roof-line

Standard AM/FM/Weather Band (WB) with remote auxiliary port

Front sun visor shall be pull down type

The cab shall have continuous and unobstructed glass from roofline to floor.

Cab shall come with premium high back seat which includes heat control

A seat backrest extension will be standard

Heated seat with headrest and independent height and weight adjustment

Cab shall have a minimum of 1 cup holder, 1 cup/thermos holder with strap, personal cooler holder/storage, compartment for operator's manual, rubber floor mat and coat hook

Unit shall have separate 7 inch monitor which will act as rear view camera only.

Unit shall have a 7" standard monitor.

GENERAL

Unit shall be equipped with 23.5R25 1-Star L3 Radial tires with 3-piece rims

Machine tipping load straight with Hi Lift Z-Bar linkage and 4.75 cubic yard bucket and no tire deflection, shall be at least 30,153 lbs.

Machine full turn tipping load with high lift Z-bar linkage and 4.75 cubic yard pin on bucket with tire deflection shall be at least 25,964 lbs.

MOTOR VEHICLE – LOADER

- Front tires shall be covered with fenders
- Easily accessible remote start battery terminals
- The counterweight shall be built-in

✓ ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

GENERAL (Cont'd)

- Unit will be provided with a rear hitch with locking pin
- Unit shall have an articulation locking bar
- Unit shall have vandal protection with lockable engine enclosures, right counterweight storage, filler access for radiator/fuel/DEF/hydraulic/transmission
- The unit shall be provided with a loader boom service locking bar
- Loader shall have reinforced articulation joints with double tapered roller bearings
- Fuel tank capacity shall be no less than 92.6 gallons (351 L) with ground-level fueling and lockable cap
- Operating weight with standard equipment, 4.75 cubic yard bucket with bolt-on edge, 23.5R25 tires, high Lift Linkage, ROPS cab, 175 lb. operator and full fuel tank shall be NO less than 44,058 lbs.
- Breakout force with 4.75 yard high lift linkage shall not be less than 35,155 lbs.
- Ground clearance under the loader shall be no less than 15.2" (386 mm)
- Loader shall have height to hinge-pin (fully raised) no less than 14' 9"
- Dump clearance 45° full height High Lift Linkage with 4.75 yard bucket not to be less than 10 ft. 7 in.
- Rated operating load 50% Full Turn tipping Load not less than 12,982 lbs. with High Lift Linkage.
- Reach at 45° dump, 7 ft. clearance shall be no less than 6ft. 9 in with 4.75 cubic yard Bolt-on Edge bucket, high lift linkage

FRAMES AND STRUCTURES

- Machine front frame shall be of a 4-plate design of four vertical plates extending from boom pivot pins reaching to the front axle to distribute boom loads on the axle.

Introduced on: January 19, 2022
 Adopted on: January 19, 2022
 Official Resolution#: 202200038

MOTOR VEHICLE – LOADER

Loader bucket bell crank linkage shall be fabricated of high strength steel

INCLUDED FEATURES

Automatic reversing fan drive with monitor adjustable 20 - 40 minute time increments

Ride control, automatic with monitor adjustable speed settings

✓ ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

INCLUDED FEATURES (Cont'd)

License plate bracket and light

Hydraulic axle coolers

Automatic differential lock

High-lift loader linkage for additional 13.6" height to hinge pin, fully raised

Electrical corrosion-prevention protection in corrosive environments

Centrifugal cab fresh air and engine air intake pre-cleaner

Heated, or remote-adjustable heated, mirrors

Environmental drains and oil sampling for the engine oil, transmission oil, hydraulic oil, and engine coolant.

Heated/ventilated seat with headrest and independent height and weight adjustment

LED lighting

Spare tire and rim assembly

Dedicated rear view camera monitor

Rear view camera and radar object detection

Five (5) speed forward, three (3) reverse lockup torque converter transmission

One (1) 5 lb. Fire extinguisher

One (1) complete set of all filters

Five (5) gallons of recommended use hydraulic oil

All 3rd function hydraulic functions all operable from the primary joystick controller

MOTOR VEHICLE – LOADER

- Engine compartment light, and Cycle counter switch in cab
- Engine block heater
- Premium AM/FM/Weather Band (WB) with Bluetooth, Aux and USB Port

✓ **ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

INCLUDED FEATURES (Cont'd)

- SMV installed (cannot be installed on rear grille)
- One (1) spare complete tire and rim assembly

INCLUDED ATTACHMENTS

- 4.75 cubic yard coupler bucket with edge
- 418 style JRB coupler factory installed
- JD Link machine monitoring system with five (5) year subscription

OPTIONS

- ✓ **1A. Warranty Upgrade Package #1**
Five (5) Year/60 Month/7,000 Hour Comprehensive Warranty
Travel Time/Mileage included for the first year
- ✓ **1B. Warranty Upgrade Package #2**
Seven (7) Year/84 Month/7,000 Hour Comprehensive Warranty
Travel Time/Mileage included for the first year
- ✓ **1C. Warranty Upgrade Package #3**
7 Year/84 Month/7,000 Hours Comprehensive Warranty
Travel Time/Mileage unlimited for first year
- ✓ **1D. Preventative Maintenance Package**
On site for 4,000 hours of service as per manufacturer's guidelines
all oils and filters to be removed by dealer.
- Oil analysis shall be included in all services
- ✓ **1E. Brush Bucket**
Gem GR QC BC Extreme Root Rake 418 coupler ears, 120" width, seven (7) tine,
with seven (7) replaceable teeth, weight 7,100 lbs.

✓ **ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

✓ **OPTIONS (Cont'd)**

✓ **1F. Diagnostic Tools / Test Equipment**

Cummins Quickserv Unlimited Service plan, with renewals, shall be provided at no cost to the county for a period of five (5) years from the acceptance of the equipment

- | | |
|---|---|
| <ol style="list-style-type: none"> 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). 2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software. 3. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid. 4. All software installations and activations will be completed by the successful bidder at no cost to the County. 5. 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. 6. 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. 7. Training shall be provided on all items in this section at a County location. | <p>☒ ☐</p> <p>☒ ☐</p> <p>☒ ☐</p> <p>☒ ☐</p> <p>☒ ☐</p> <p>☒ ☐</p> <p>☒ ☐</p> |
|---|---|

✓ **1G. Two-Way Radio Power and Wiring Requirements for New Vehicles**

For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
2. #12 AWG BLACK wire connected to chassis ground.
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator.

The wiring harness shall be clearly labeled "TWO-WAY RADIO". The wires shall

MOTOR VEHICLE – LOADER

be unterminated. The 12VDC sources shall be protected from making contact with grounded metal surfaces.

ITEM 1 – MODEL YEAR 2022, OR NEWER, JOHN DEERE 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

1H. Installation of County Supplied Two Way Radio and Accessories

Install is to include but not limited to antenna cable, mounts, speakers, brackets, etc.

For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12VDC Battery Source rated at 20 Amps.
2. #12 AWG BLACK wire connected to chassis ground.
3. #16 AWG YELLOW wire connected to 12VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The 12VDC sources shall be protected from making contact with grounded metal surfaces.

✓ 1I. 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.

MOTOR VEHICLE – LOADER

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 724P 4-WHEEL DRIVE LOADER, AS SPECIFIED OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS (Cont'd)

II. 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.