

# **CALL-FOR-BIDS**

ONE OR MORE NEW 10/12 YD DUMP TRUCKS

**TO:**

LEWIS COUNTY COURTHOUSE

BOARD OF COUNTY COMMISSIONERS OFFICE

351 NW NORTH STREET

CHEHALIS, WASHINGTON 98532

**BID OPENING:**

WHERE: Lewis County Courthouse  
Board of County Commissioners Meeting Room  
351 NW North Street  
Chehalis, Washington 98532

DATE: October 5, 2021

TIME: On or after 12:30 PM

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# CALL FOR BIDS

## CALL FOR BIDS

**NOTICE IS HEREBY GIVEN** that the Board of County Commissioners of Lewis County, Washington will open sealed bids and publicly read them aloud on or after 12:30 p.m. on October 5, 2021, at the Lewis County Historic Courthouse – 2<sup>nd</sup> floor, Board of County Commissioners Meeting Room, 351 NW North Street, Chehalis, Washington, for furnishing one or more new 10/12 yd. dump trucks.

### **SEALED BIDS MUST BE DELIVERED BY 12:30 P.M.**

(Lewis County official time is displayed on Axxess Intertel phones in the office of Board of County Commissioners.)

Sealed bids must be delivered to the Lewis County Commissioner's Office (Lewis County Historic Courthouse, 2<sup>nd</sup> Floor, 351 NW North Street, Chehalis, WA 98532) by 12:30 p.m. on the date specified for opening and in an envelope clearly marked "**SEALED BID FOR ONE OR MORE NEW 10/12 YD DUMP TRUCKS**" - **TO BE OPENED OCTOBER 5, 2021 ON OR AFTER 12:30 PM.**

Specifications and bid forms may be obtained from Lewis County Department of Public Works Fleet Division located at 476 W. Main St., Chehalis, WA 98532, telephone 360-740-1194 or from Lewis County's website at [www.lewiscountywa.gov](http://www.lewiscountywa.gov).

The Lewis County Public Works Department in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, nondiscrimination in Federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin, or sex in consideration for an award.

The Board of County Commissioners reserves the right to reject any or all bids and to waive all informalities in the bidding.

**DATED** this 14<sup>th</sup> day of SEPTEMBER, 2021.

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Clerk of the Board of County Commissioners  
Lewis County, Washington

**PUBLISH:** The Chronicle – September 16 & 23, 2021  
Lewis County Web Site @ [www.lewiscountywa.gov/](http://www.lewiscountywa.gov/)

## FEDERAL CONTRACT PROVISIONS

### STATE AND FEDERAL LAWS TO BE OBSERVED

The applicant must comply with all state and federal laws in performing all tasks undertaken with respect to the Public Assistance (PA) Grant Program. The following sections are included for informational purpose and are not professed to include all relevant laws. It is the applicant's responsibility to comply with all federal, state, and local laws.

**1. EQUAL EMPLOYMENT OPPORTUNITY** – All contracts shall contain a provision requiring compliance with E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

**2. COPELAND "ANTI-KICKBACK" ACT (18 U.S.C. 874 AND 40 U.S.C. 276c)** – All contracts and subgrants in excess of \$2,000 for construction or repair awarded by recipients and subrecipients shall include a provision for compliance with the Copeland "Anti-Kickback" Act (18 U.S.C. 874), as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or sub-recipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled. The recipient shall report all suspected or reported violations to the Federal awarding agency.

**3. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (40 U.S.C 327-333)** – Where applicable, all contracts awarded by recipients in excess of \$2,000 for construction contracts and in excess of \$2,500 for other contracts that involve the employment of mechanics or laborers shall include a provision for compliance with Sections 102 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), as supplemented by Department of Labor regulations (29 CFR part 5). Under Section 102 of the Act, each contractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than 1 ½ times the basic rate of pay for all hours worked in excess of 40 hours in the work week. Section 107 of the Act is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

#### **4. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT**

– Contracts or agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

#### **5. CLEAN AIR ACT (42 U.S.C. 7401 et seq.) AND THE FEDERAL WATER POLLUTION CONTROL ACT (33 U.S.C. 1251 et seq.), as amended**

– Contractors and subgrants of amounts in excess of \$100,000 shall contain a provision that requires the recipient to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.) Violations shall be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

**6. BYRD ANTI-LOBBYING AMENDMENT (31 U.S.C. 1352)** – Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying in non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

#### **7. DEBARMENT AND SUSPENSION**

**(E.O.s 12549 and 12689)** – No contract shall be made to parties listed on the General Services Administration’s List of Parties Excluded from Federal Procurement or Nonprocurement Programs in accordance with E.O.s 12549 and 12689, “Debarment and Suspension.” This list contains the names of parties debarred, suspended, or otherwise excluded by agencies, and contractors declared ineligible under statutory or regulatory authority other than E.O. 12549. Contractors with awards that exceed the small purchase threshold shall provide the required certification regarding its exclusion status and that of its principal employees.

#### **8. PUBLIC LAW 88-352, TITLE VI OF THE CIVIL RIGHTS ACT OF 1964(42 U.S.C. 2000d et seq.) (24 CFR Part 1).**

The APPLICANT must comply with the provisions of "Public Law 88-352," which refers to Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.). The law provides that no person in the United States shall, on the grounds of race, color or national origin, be denied the benefits of, be excluded from participation in, or be subjected to discrimination under any program or activity receiving federal financial assistance.

## **9. SECTION 504 OF THE REHABILITATION ACT, 1973, AS AMENDED (29 U.S.C. 794).**

The APPLICANT must comply with Section 504 of the Rehabilitation Act of 1973, as amended, which provides that no otherwise qualified individual shall, solely by reason of his or her disability, be excluded from participation (including employment), denied program benefits or be subjected to discrimination under any program or activity receiving federal assistance funds.

## **10. AMERICANS WITH DISABILITIES ACT (42 U.S.C. 12101, et seq.)**

The APPLICANT shall comply with the provisions of the Americans with Disabilities Act, 42 U.S.C. 12101, et. seq. That Act provides a comprehensive national mandate to eliminate discrimination against individuals with disabilities. The Act may impose requirements on the APPLICANT in four principle ways: 1) with respect to employment; 2) with respect to the provision of public services; 3) with respect to transportation; 4) with respect to existing facilities and new construction.

## **11. THE NATIONAL ENVIRONMENTAL POLICY ACT OF 1969 (NEPA) (42 U.S.C Section 4321 et seq., and 24 CFR Part 58).**

The APPLICANT shall comply with the provisions of the National Environmental Policy Act of 1969. The purpose of this Act is to attain the widest use of the environment without degradation, risk to health or safety, or other undesirable and unintended consequences. Environmental review procedures, including determining and publishing a Finding of Significance or of No Significance for a proposal, are a necessary part of this process. Pursuant to these provisions, the APPLICANT must also submit environmental certifications to the DEPARTMENT when requesting that funds be released for the project. The APPLICANT must certify that the proposed project will not significantly impact the environment and that the APPLICANT has complied with environmental regulations and fulfilled its obligations to give public notice of the funding request, environmental findings and compliance performance.

## **12. EXECUTIVE ORDER 11990, MAY 24, 1977: PROTECTION OF WETLANDS (42 F.R. 26961 et seq.)**

The APPLICANT shall comply with Executive Order 11990. The intent of this Executive Order is (1) to avoid, to the extent possible, adverse impacts associated with the destruction or modification of wetland, and (2) to avoid direct or indirect support of new construction in wetlands wherever there is a practical alternative. The APPLICANT, to the extent permitted by law, must avoid undertaking or providing assistance for new construction located in wetlands unless (1) there is no practical alternative to such construction, and (2) the proposed action includes all practical measures to minimize harm to wetlands which may result from such use. In making this determination, the APPLICANT may take into account economic, environmental and other pertinent factors.

**13. EXECUTIVE ORDER 11988, MAY 24, 1977: FLOODPLAIN MANAGEMENT (42 F.R. 26951 et seq).**

The APPLICANT shall comply with the provisions of Executive Order 11988. The intent of this Executive Order is to (1) avoid, to the extent possible, adverse impacts associated with the occupancy and modification of floodplains, and (2) avoid direct or indirect support of floodplain development wherever there is a practical alternative. If the APPLICANT proposes to conduct, support or allow an action to be located in a floodplain, the APPLICANT must consider alternatives to avoid adverse effects and incompatible involvement in the floodplain. If siting in a floodplain is the only practical alternative, the APPLICANT must, prior to taking any action (1) design or modify its actions in order to minimize any potential harm to the floodplain, and (2) prepare and circulate a notice containing an explanation of why the action is proposed to be located in a floodplain.

**14. THE WILD AND SCENIC RIVERS ACT OF 1968, AS AMENDED (16 U.S.C. 1271 et seq.)** The APPLICANT shall comply with the Wild and Scenic Rivers Act. The purpose of this Act is to preserve selected rivers or sections of rivers in their free-flowing condition, to protect the water quality of such rivers and to fulfill other vital national conservation goals. Federal assistance by loan, grant, license, or other mechanism cannot be provided to water resources construction projects that would have a direct and adverse effect on any river included or designated for study or inclusion in the National Wild and Scenic River System.

**15. COASTAL ZONE MANAGEMENT ACT OF 1972, AS AMENDED (16 U.S.C. 1451 et seq.)** The APPLICANT shall comply with the Coastal Zone Management Act of 1972, as amended. The intent of this Act is to preserve, protect, develop, and where possible, restore or enhance the resources of the nation's coastal zone. Federal agencies cannot approve assistance for proposed projects that are inconsistent with the state's Coastal Zone Management program except upon a finding by the U.S. Secretary of Commerce that such a project is consistent with the purpose of this chapter or necessary in the interests of national security.

**16. THE ENDANGERED SPECIES ACT OF 1973, AS AMENDED (16 U.S.C. 1531 et seq.)** The APPLICANT shall comply with the Endangered Species Act of 1973, as amended. The intent of this Act is to ensure that all federally assisted projects seek to preserve endangered or threatened species. Federally authorized and funded projects must not jeopardize the continued existence of endangered and threatened species or result in the destruction of or modification of habitat of such species which is determined by the U.S. Department of the Interior, after consultation with the state, to be critical.

**17. THE RESERVOIR SALVAGE ACT OF 1960, AS AMENDED BY THE ARCHAEOLOGICAL AND HISTORIC PRESERVATION ACT OF 1974 (16 U.S.C. 469 et seq.)** Under the Reservoir Salvage Act, the APPLICANT must comply with provisions for the preservation of historical and archaeological data (including relics and specimens) that might otherwise be irreparably lost or



destroyed as a result of any alteration of the terrain caused as a result of any federal construction project or federally licensed activity or program. Whenever the APPLICANT finds, or is notified in writing by an appropriate historical or archaeological authority, that its activities in connection with any federal funded construction project or federally licensed project, activity or program may cause irreparable loss or destruction of significant scientific, prehistoric, historical or archaeological data, the APPLICANT must stop work immediately and must notify the U.S. Secretary of Interior and the Department in writing and provide appropriate information concerning the project or program activity.

**18. THE ARCHAEOLOGICAL AND HISTORICAL DATA PRESERVATION ACT OF 1974 (16 U.S.C. 469 a-1 et seq.).**

The APPLICANT shall comply with the Archaeological and Historical Data Preservation Act, which provides for the preservation of historic and archaeological information that would be lost due to development and construction activities as a result of federally funded activities.

**19. THE SAFE DRINKING WATER ACT OF 1974, AS AMENDED (42 U.S.C. Section 201, 300(f) et seq., and U.S.C. Section 349).** The APPLICANT must comply with the Safe Drinking Water Act, as amended, which is intended to protect underground sources of water. No commitment for federal financial assistance, according to this Act, shall be entered into for any project, which the U.S. Environmental Protection Agency determines, may contaminate an aquifer that is the sole or principal drinking water source for an area.

**20. THE FEDERAL WATER POLLUTION CONTROL ACT OF 1972, AS AMENDED, INCLUDING THE CLEAR WATER ACT OF 1977, PUBLIC LAW 92-212 (33 U.S.C. SECTION 1251 et seq.).**

The APPLICANT must assure compliance with the Water Pollution Control Act, as amended, which provides for the restoration of chemical, physical and biological integrity of the nation's water.

**21. THE SOLID WASTE DISPOSAL ACT, AS AMENDED BY THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 (42 U.S.C. SECTION 6901 et seq.)**

The APPLICANT must assure compliance with the Solid Waste Disposal Act, as amended. The purpose of this Act is to promote the protection of health and the environment and to conserve valuable material and energy resources.

**22. THE FISH AND WILDLIFE COORDINATION ACT OF 1958, AS AMENDED (16 U.S.C. SECTION 661 et seq.)**

The APPLICANT must assure compliance with the Fish and Wildlife Coordination Act, as amended. The Act assures that wildlife conservation receives equal consideration and is coordinated with other features of water resources development programs.

**23. RELOCATION ASSISTANCE AND REAL PROPERTY ACQUISITION POLICY, CHAPTER 8.26 RCW.**

The APPLICANT shall comply with the provisions of Chapter 8.26 RCW and Chapter 365-24 WAC when its activities involve any acquisition of real property assisted under this Grant Agreement or the displacement of any family, individual, business, nonprofit organization or farm that results from such acquisition.

**24. STATE ENVIRONMENTAL POLICY ACT (SEPA), CHAPTER 43.21 (C) RCW.**

The APPLICANT shall comply with the provisions of Chapter 43.21(C) RCW and Chapter 197-11 WAC, the guidelines by which local agencies will (1) require environmental checklists from private and public entities considering an action potentially subject to the Environmental Impact Statement (EIS) requirement of SEPA, (2) make "threshold determinations" that such an action will not have a significant environmental impact, (3) provide for the preparation of a draft and final EIS if the action has significant impact, and (4) circulate the EIS to other agencies and interested parties.

**25. NOISE CONTROL, CHAPTER 70.107 RCW.**

The APPLICANT shall assure compliance with the state Noise Control Act. Objectives of the Act are to assist local governments in implementing local noise ordinances and to control and reduce excessive noise in Washington.

**26. SHORELINE MANAGEMENT ACT OF 1971, CHAPTER 90.58 RCW.**

The APPLICANT shall comply with the provisions of Chapter 90.58 RCW. This Act defines a planning program and a permit system, which are initiated at the local government level under state guidance. Its purpose is to protect and enhance the state's shoreline and it includes a comprehensive shoreline inventory process and a master program for regulation of shoreline uses. A permit application at the local level must be in compliance with those plans and consistent with the state Coastal Zone Management program if substantial developments and shoreline modifications occur, and a record of the application and decision must be submitted to the state.

**27. STATE BUILDING CODE, CHAPTER 19.27 RCW; ENERGY RELATED BUILDING STANDARDS, CHAPTER 19.27A RCW; AND PROVISIONS IN BUILDINGS FOR AGED AND HANDICAPPED PERSONS, CHAPTER 70.92 RCW.** The APPLICANT shall comply with the provisions of Chapter 19.27 RCW, Chapter 19.27A RCW, Chapter 70.92 RCW and the regulations for building construction and for barrier free facilities adopted by the Washington State Building Code Council pursuant to these statutes. The State Building Code Act provides for a uniform state building code and mandates counties, cities and towns to administer and enforce its provisions. Local governments are authorized to modify the state building code to fit local conditions as long as such modifications do not result in a code that is less than the minimum performance standards and objectives contained in the state code.

**28. OPEN PUBLIC MEETINGS ACT, CHAPTER 42.30 RCW.**

The APPLICANT shall comply with provisions of Chapter 42.30 RCW which require that all meetings of the governing body which pertain to this Grant Agreement shall be open to the public except those where specific provision is made for executive sessions pursuant to RCW 42.30.110.

**29. LAW AGAINST DISCRIMINATION, CHAPTER 49.60 RCW.**

The APPLICANT shall comply with the provisions of Chapter 49.60 RCW in all activities relating to this Grant Agreement.

**30. GOVERNOR'S EXECUTIVE ORDER 89-10, DECEMBER 11, 1989: PROTECTION OF WETLANDS, AND GOVERNOR'S EXECUTIVE ORDER 90- 04, APRIL 21, 1990: PROTECTION OF WETLANDS.**

The APPLICANT shall ensure that it avoids any activities that would adversely affect wetlands and adequately mitigates unavoidable impacts. For the purposes of this requirement, except where a contrary definition is provided by statute, mitigation means: (1) avoiding the impact altogether by not taking certain action or part of an action; (2) minimizing impacts by limiting the degree or magnitude of the action and its implementation, by using appropriate technology, or by taking affirmative steps to avoid or reduce impacts; (3) rectifying the impact by repairing, rehabilitating, or restoring the affected environment; (4) reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action; (5) compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and (6) monitoring the impact and taking appropriate corrective measures. Mitigation for individual actions may include a combination of the above measures. Mitigation may not include any of the above measures to the extent that they may be contrary to statute as applied under the particular circumstances. Emergency work that is essential to save lives and protect property and public health is exempt from these provisions.

**31. PREVAILING WAGES ON PUBLIC WORKS, CHAPTER 39.12 RCW.**

The applicant shall comply with the provisions of Chapter 39.12, Prevailing Wages on Public Works. This statute mandates that the prevailing rate of wage, as determined by the State Department of Labor and Industries, be paid to workers performing under public works contracts.

**32. CONTRACTING WITH SMALL MINORITY FIRMS, WOMEN'S BUSINESS ENTERPRISE AND LABOR SURPLUS AREA FIRMS.**

In accordance 44 CFR 13.36(e), Contracting With Small and Minority Firms, if employing contractors or suppliers the Contractor will take affirmative steps to assure that minority firms, women's business enterprises, and labor surplus area firms are used when possible. (1) The grantee and subgrantee will take all necessary affirmative steps to assure that minority firms, women's enterprises and labor surplus

area firms are used when possible. (2) Affirmative steps shall include: (i) Placing qualified small and minority businesses, and women's business enterprises on solicitation lists; (ii) Assuring that small and minority enterprises are solicited whenever they are potential sources; (iii) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority business, and women's business

enterprises; (iv) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority business, and women's business

enterprises; (v) Using the services and assistance of the Small Business Administration, and the Minority Business Development Agency of the Department of Commerce; and (vi) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (e)(2)(i) through (v) of this section.

2.

# ADVERTISING PLAN

## ADVERTISING PLAN

**The Call for Bids will be advertised in the following publications:**

- The Chronicle - Thursday, September 16 & 23, 2021

Bid information will also be available on the Lewis County website at [www.Lewiscountywa.gov](http://www.Lewiscountywa.gov)

3.

# BID FORM

**LEWIS COUNTY PUBLIC WORKS DEPARTMENT  
FLEET SERVICES DIVISION  
476 W. MAIN ST.  
CHEHALIS, WA 98532**

The Board of Lewis County Commissioners will open sealed bids and publicly read them aloud at the Lewis County Courthouse-2<sup>nd</sup> floor, Board of County Commissioners Meeting Room, 351 NW North Street, Chehalis, Washington, on:

**TUESDAY, OCTOBER 5, 2021 ON OR AFTER 12:30 P.M.**

For the following specified items:

**ONE OR MORE NEW 10/12 YD DUMP TRUCKS**

Sealed bids must be delivered to the Lewis County Courthouse – 2<sup>nd</sup> Floor, Board of County Commissioner’s Office, 351 NW North Street, Chehalis, Washington, 98532, by 12:30 PM on the above-specified date in a sealed envelope clearly marked:

**SEALED BIDS FOR: ONE OR MORE NEW 10/12 YD DUMP TRUCKS**

**TO BE OPENED: TUESDAY, OCTOBER 5, 2021 ON OR AFTER 12:30 P.M.**



# BID FORM

SEE ATTACHED CONDITIONS AND SPECIFICATIONS

- |                                |            |
|--------------------------------|------------|
| 1. ONE NEW 10/12 YD DUMP TRUCK | \$ _____   |
| 2. WASHINGTON STATE SALES TAX  | + \$ _____ |
| 3. PURCHASER PAYS THIS AMOUNT  | = \$ _____ |

**Guaranteed delivery completion will be within ninety (270) days after award of bid.**

\_\_\_\_\_  
Bidder

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Firm Address

\_\_\_\_\_  
Title of Person Signing

\_\_\_\_\_  
City, State

\_\_\_\_\_  
Zip

\_\_\_\_\_  
Telephone Number

4.

# BID DOCUMENT CHECK LIST

The following items must be returned in the completed bid package:

1. \_\_\_\_\_ BID FORM
2. \_\_\_\_\_ SPECIFICATION SHEET (DESCRIBE FULLY ANY EXCEPTIONS)
3. \_\_\_\_\_ WARRANTY INFORMATION
4. \_\_\_\_\_ TERMS, CONDITIONS, & SPECIFICATIONS  
ACKNOWLEDGEMENT (Page 23 of Bid Document)
5. \_\_\_\_\_ LIST OF REFERENCES (Complete name, address and phone number of three customers that have purchased said piece of equipment within the last three (3) years).

5.

# GENERAL CONDITIONS

## **GENERAL CONDITIONS**

### **BID CONSIDERATION:**

The Board of Lewis County Commissioners reserves the right to reject any or all bids, waive informalities, and to contract as the best interest of the County may appear.

### **DOCUMENT FORM:**

The bidder shall completely fill in the information required in all the blank spaces provided and shall return all forms and other documentation requested when submitting bid forms. Information may be obtained from the Department of Public Works, Maintenance & Operations Division, 476 W. Main St., Chehalis, WA 98532, telephone 360-740-1194 or Lewis County's website at [www.lewiscountywa.gov](http://www.lewiscountywa.gov).

### **PROPOSAL SHEET:**

Vendors not meeting specifications must list all exceptions and note by placing an "X" beside the respective number associated with the particular specification. Any exceptions are subject to inspection, testing, and approval prior to acceptance by Lewis County.

Truck/s shall be a new model and shall:

1. Conform to or exceed the minimum specifications listed.
2. Conform to the current Motor Vehicle Laws/Codes of the State of Washington.
3. Comply with the current Federal Motor Vehicle Safety Standards.
4. Shall meet the manufacturer's standard specifications and shall be further equipped as stated in these specifications whether considered standard or not.

### **PAYMENT:**

Payment will be made by Lewis County on or about 30 days following date of delivery, providing billing invoice is in the office of the Lewis County Fiscal Department, 351 NW North Street, Chehalis, WA 98532 prior to the 10th of the month.

Federal Excise Tax Exemption Certificate shall be furnished.

**PRE-DELIVERY:**

All items shall receive dealer factory pre-delivery service before being delivered. Transportation damage shall be repaired by dealer prior to delivery. All equipment will be in turnkey condition and subject to inspection prior to acceptance.

**DELIVERY OF EQUIPMENT PURCHASES:**

Packing and transportation expenses are the responsibility of the offeror. All prices quoted must be F.O.B. Destination, Freight Prepaid and Allowed, delivered and unloaded at the delivery address below.

*Lewis County Central Shop  
109 Forest Napavine Rd.  
Chehalis, WA 98532*

**SERVICE TRAINING:**

Dealer shall schedule a program on proper operation and maintenance of vehicle/equipment prior to acceptance of vehicle/equipment by Lewis County.

**LITERATURE:**

Complete sets of the specified manuals shall be furnished in the quantities shown, and shall be delivered with the vehicle/equipment.

**ILLUSTRATIONS:**

Descriptive literature with reasonably detailed specifications for the unit offered must be enclosed with the bid documents.

**COOPERATIVE PURCHASES:**

Lewis County has entered into Interlocal Purchase Agreements with other governmental agencies pursuant to RCW 39.34. Successful bidder, if agrees, can sell additional items at the bid price, terms and conditions to other governmental agencies. Lewis County accepts no responsibility for the payment of the purchase price by other governmental agencies.

**PROPOSAL:**

The undersigned hereby certifies that he/she has read and thoroughly understands and agrees to the terms, conditions, and specifications of this document for furnishing the item(s) listed to Lewis County and hereby submits the proposal on page 9.

\_\_\_\_\_  
Firm Name (Type or Print)

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title of Person Signing

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

6.

## **SPECIFICATIONS**



**I. General Conditions:**

Dumptruck shall be new, delivered, and in turn-key condition. **Make** \_\_\_\_\_  
*"shipping address listed on page 22"* **Model** \_\_\_\_\_  
 Shall include brochure with model bid. **Year** \_\_\_\_\_

The following are the requirements. If your quote meets or exceeds the specifications you may simply mark "yes" in the space provided. Any requirement that is marked "no" or has something listed different than what is specified, may render your bid non-responsive. **Failure to complete this form as required will cause your bid to be considered non-responsive and ineligible for award.**

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

**II. TRUCK CHASSIS MODEL**

- |   |       |       |
|---|-------|-------|
| 1. Conventional hood forward cab "Set Forward Front Axle" (SFFA) design                               | _____ | _____ |
| 2. 72,000 GVW minimum, 8x4 configuration  | _____ | _____ |
| 3. Truck manufacturer shall have a parts & service center within a 75 mile radius of shipping address | _____ | _____ |
| 4. Truck to be completed and delivered within 270 days of purchase order date                         | _____ | _____ |

**III. ENGINE**

- |  |       |       |
|--|-------|-------|
| 1. 6 cylinder diesel engine shall be a Paccar (MX-13) 510 HP @ 1,700 RPM with a torque rating of 1,850 @ 1,100 RPM | _____ | _____ |
| 2. Meets all current applicable EPA standards  | _____ | _____ |

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

**IV. EXHAUST SYSTEM**

- |   |       |       |
|---|-------|-------|
| 1. Horizontal muffler location with shields   | _____ | _____ |
| 2. Cab or frame mounted right-side vertical tail-pipe with shield. Top of tailpipe must be a minimum of 12" above cab roof and not to exceed 24" above cab roof | _____ | _____ |

**V. ELECTRICAL**

- |  |       |       |
|--|-------|-------|
| 1. Minimum 160 amp alternator with a 12 volt negative ground system  | _____ | _____ |
| 2. Four (4) batteries (threaded stud type) with a combined minimum CCA of 2,800. Shall also include two battery shut-off/disconnect switches (one for each battery bank) must have lock-out capabilities | _____ | _____ |
| 3. Frame ground return for battery cables  | _____ | _____ |
| 4. Frame mounted battery box and cover with stud & wing-nut easy access (No rubber snubbers)   | _____ | _____ |
| 5. Isolate all electrical circuits installed for body builder. Number circuits TBD at time of order  | _____ | _____ |
| 6. Rear lighting shall be Truck-Lite LED   | _____ | _____ |
| 7. Wiring shall be stranded copper. Aluminum wire is not acceptable  | _____ | _____ |
| 8. Wire insulation shall be cross-linked polyethylene  | _____ | _____ |

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

9. Wiring shall be routed to minimize exposure to tire throw-off; all connections shall be sealed

\_\_\_\_\_

\_\_\_\_\_

10. Wires shall not be routed closer than 6 inches from heat sources

\_\_\_\_\_

\_\_\_\_\_

11. Wires shall not come in contact with moving parts

\_\_\_\_\_

\_\_\_\_\_

12. Wires shall be protected from sharp edges

\_\_\_\_\_

\_\_\_\_\_

13. Self-stripping wiring connectors (scotch locks) are unacceptable

\_\_\_\_\_

\_\_\_\_\_

14. Back up alarm to be 102db minimum

\_\_\_\_\_

\_\_\_\_\_

15. Seven wire trailer connector to be wired as per SAE J560B specification

\_\_\_\_\_

\_\_\_\_\_

16. All cab & chassis wiring shall be color coded and numbered

**VI. ENGINE EQUIPMENT**

1. Coolant overflow system

\_\_\_\_\_

\_\_\_\_\_

2. Shall include a left side cab-mounted 1,500 watt block heater with a standard 120V cord/plug access under driver's door

\_\_\_\_\_

\_\_\_\_\_

3. Shall include heavy duty cooling with recovery system, and shall have sufficient antifreeze installed to protect the cooling system to 0 degrees F

\_\_\_\_\_

\_\_\_\_\_

4. Shall include stationary grille mounted in front with radiator bug screen

\_\_\_\_\_

\_\_\_\_\_

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

- |  |       |       |
|--|-------|-------|
| 5. Air compressor shall produce 25 CFM minimum                 | _____ | _____ |
| 6. Shall include compressor discharge line                     | _____ | _____ |
| 7. Shall include dual intake pre-cleaners                      | _____ | _____ |
| 8. Automatic frontal air engine 2-speed fan clutch             | _____ | _____ |
| 9. Engine shutdown protection                                  | _____ | _____ |
| 10. Engine mounted oil check and fill                          | _____ | _____ |
| 11. Provide emissions certification                            | _____ | _____ |
| 12. Radiator size shall be a minimum of<br>1,435 square inches | _____ | _____ |

**VII. TRANSMISSION & EQUIPMENT**

- |   |       |       |
|---|-------|-------|
| 1. Allison 4500 RDS, HD 6 speed on/off highway automatic transmission with PTO provision. Gear ratio should be such that the truck can travel fully loaded at a top speed of 72 MPH or higher. Provide grade ability and speed data for vehicle as specified. | _____ | _____ |
| 2. Shall include heavy duty transmission cooler   | _____ | _____ |
| 3. Transmission oil check and fill with electronic oil level check.   | _____ | _____ |
| 4. Provide magnetic plug for transmission drain   | _____ | _____ |
| 5. Shall provide shifter plate PTO access hole  | _____ | _____ |

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

**VIII. FRONT AXLE & SUSPENSION**

- |   |       |       |
|---|-------|-------|
| 1. Shall have a 20,000 lbs. Front Axle and include heavy duty shock absorbers | _____ | _____ |
| 2. Shall have oil bath hubs, side fill, with oil level window                 | _____ | _____ |
| 3. Suspension to match load capacity and include greasable spring pins        | _____ | _____ |

**IX. REAR AXLE & SUSPENSION**

- |  |       |       |
|--|-------|-------|
| 1. Dual rear axle 46,000 lbs. (Dana Spicer D46-170H) with driver controlled differential lock, and inter-axle lock   | _____ | _____ |
| 2. Shall include a 4:30 rear axle ratio  | _____ | _____ |
| 3. Shall include heavy duty rear shock absorbers   | _____ | _____ |
| 4. Shall include Chalmers (854-46-L) non-air ride suspension   | _____ | _____ |
| 5. Steerable Lift Axle with a 13,200# rating Watson Chalin with Split controls. Regulator to be installed outside of cab, controlled by a dash mounted lift switch inside of cab. The tires shall be low profile 22.5 mounted on 8.25x22.5" aluminum rims. | _____ | _____ |

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

**X. WHEEL BASE**

- 1. 202" wheel base minimum (exact length to be determined at time of order.)

\_\_\_\_\_

\_\_\_\_\_

**XI. STEERING**

- 1. Shall include dual power steering gears

\_\_\_\_\_

\_\_\_\_\_

**XII. FRAME**

- 1. Shall include a front drop frame for snowplow mounting. Front frame shall adapt to Lewis County's snowplow mounting
- 2. Each cross member to be 5-piece and to include; (main cross member with upper & lower flange gussets on each side)
- 3. Frame rails shall be 3/8" thickness with a minimum tensile yield of 120,000 lbs. per square inch

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**XIII. FUEL TANKS & EQUIPMENT**

- 1. Step mounted aluminum 90 useable gallon capacity minimum (apprx. 26" diameter)

\_\_\_\_\_

\_\_\_\_\_

**XIV. FRONT TIRES, HUBS & WHEELS**

- 1. Shall include aluminum rims
- 2. Radial tires shall be 425/65R22.5
- 3. Shall include Michelin XZY-3 tires

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

**XV. REAR TIRES, HUBS & WHEELS**

- |   |       |       |
|---|-------|-------|
| 1. Shall include white steel rims                                     | _____ | _____ |
| 2. Radial tires shall be 11R22.5                                      | _____ | _____ |
| 3. Tires shall be 16-ply Michelin X Works (XDY)<br>or Goodyear (G177) | _____ | _____ |
| 4. Shall include Smart Tire “Tire Pressure<br>Monitoring System”      | _____ | _____ |

**XVI. BRAKE SYSTEM EQUIPMENT**

- |   |       |       |
|---|-------|-------|
| 1. A Meritor WABCO system saver 1200 or Bendix<br>ADIP or ADIS automatic air dryer with 12V, 100<br>watt minimum heater | _____ | _____ |
| 2. Shall include parking brake  | _____ | _____ |
| 3. Truck to be equipped with Air & Disc Brakes  | _____ | _____ |
| 4. Glad hands and hydraulic connections to be<br>positioned at rear of chassis – set up for pup<br>towing               | _____ | _____ |
| 5. A low air pressure warning buzzer and light<br>shall be installed  | _____ | _____ |
| 6. Shall have the compressor air supply routed<br>through the engine air cleaner  | _____ | _____ |

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

**XVII. CAB EXTERIOR**

- |  |       |       |
|--|-------|-------|
| 1. Tilt forward hood with stationary grille. Engine hood shall be constructed of fiberglass/Metton material  | _____ | _____ |
| 2. Aero type mirrors and brackets (stainless steel or painted to match cab) mounted to the cab (not the door). Swings forward and rearward for break-a-way. 16" x 7 heated mirrors with heated 8"-10" convex mirror at bottom. Mirrors to be electrically adjustable | _____ | _____ |
| 3. Grab handles and grab handle extensions to be installed on drivers side for ease of entry and exit from the cab   | _____ | _____ |
| 4. Daytime running lights shall be installed   | _____ | _____ |
| 5. Single air horn with air horn cover to be mounted under cab   | _____ | _____ |
| 6. Front bumper shall be single piece (steel chrome) and shall be compatible with Lewis County's low profile snowplow bracket design   | _____ | _____ |
| 7. Factory headlamps to be wired in such a manner that when snowplow lights are connected and turned on, the factory headlamps will shut off   | _____ | _____ |
| 8. Marker, clearance, signal, stop, tail, and backup lights shall be LED   | _____ | _____ |
| 9. Horizontal muffler with vertical tailpipe and exhaust stack guard   | _____ | _____ |
| 10. Shall include rear air cab mounts  | _____ | _____ |



Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

11. Shall include rear license plate mount at end of frame with light

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\_\_\_\_\_

12. Shall include sunvisor

\_\_\_\_\_

\_\_\_\_\_

13. Shall include amber clearance lights on cab roof, or on sunvisor

\_\_\_\_\_

\_\_\_\_\_

14. Ignition/doors to be keyed alike (4 keys)

\_\_\_\_\_

\_\_\_\_\_

15. Cab construction shall be aluminum & metton

\_\_\_\_\_

\_\_\_\_\_

16. Shall include ergonomically positioned cab entry traction-grip aluminum steps (each side)

\_\_\_\_\_

\_\_\_\_\_

**XVIII. CAB INTERIOR**

1. Driver’s side: National high back, Mordura cloth air ride and air adjustable lumbar seat with fold down armrests. Color to match interior

\_\_\_\_\_

\_\_\_\_\_

2. Passenger side: High back, Mordura cloth non-air ride seat with dual fold down armrests. Color to match interior. Shall include pass through tool box under seat

\_\_\_\_\_

\_\_\_\_\_

3. Factory installed heater, defrost, and A/C system with all vents, ducts and controls

\_\_\_\_\_

\_\_\_\_\_

4. Intermittent, electric windshield wipers and a washer system

\_\_\_\_\_

\_\_\_\_\_

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
5. Driver and passenger sun visors	_____	_____
6. Power window and door lock controls	_____	_____
7. A minimum of one auxiliary Power Port	_____	_____
8. Locking hand throttle or engine speed control through the cruise control system while in PTO mode is acceptable	_____	_____
9. Shall include AM/FM radio with weather channel	_____	_____
10. Prewired for fleet radio installation. Fleet radio circuit shall be 20 amp	_____	_____
11. Shall include a 40 channel CB radio (Cobra 29) wired on its own circuit	_____	_____
12. Adjustable tilt & telescoping steering wheel (18")	_____	_____
13. Right and left door armrests	_____	_____
14. Dome door activated dual reading lights with manual switches on the right and left forward cab roof or center position map light providing it is directional and a dedicated light source to each seat	_____	_____
15. Grab handles on both sides for easy entry and egress	_____	_____
16. Self-canceling turn signals	_____	_____
17. Diagnostic interface connector	_____	_____
18. Three spare switches wired to power. Each switch circuit to be 20 amps	_____	_____

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
19. Shall include black rubber floor mats	_____	_____
20. Shall include passenger side cab door lookdown mirror	_____	_____
21. Shall include a Quiet Cab insulation package	_____	_____
22. Shall include storage pockets in each door	_____	_____
<b>XIX. <u>INSTRUMENTAL PANEL &amp; CONTROLS</u></b>		
1. Shall include all of the following warning lights:		
Oil pressure Coolant temperature Low voltage Emissions Engine Air Cleaner Restriction Indicator	_____	_____
2. Shall include all of the following gauges:		
Electronic tachometer Electronic speedometer Oil pressure Engine Oil temperature Coolant temperature Voltage meter Fuel gauge Odometer Hour meter Axle oil temperature Transmission temperature Air filter restriction	_____	_____
3. All gauges shall be illuminated for night driving	_____	_____
4. 2" primary and secondary air pressure gauges	_____	_____

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

5. Separate control switches for axle interlock, and for differential lock

\_\_\_\_\_

\_\_\_\_\_

6. Electronic cruise control

\_\_\_\_\_

\_\_\_\_\_

7. Low air pressure light and buzzer

\_\_\_\_\_

\_\_\_\_\_

8. Trailer brake valve, hand control

\_\_\_\_\_

\_\_\_\_\_

9. Tractor protection valve

\_\_\_\_\_

\_\_\_\_\_

**XX. EXTERIOR PAINT**

1. Cab shall be Imron base coat clear coat 'Oxford white'

\_\_\_\_\_

\_\_\_\_\_

2. Shall have primer undercoat that is compatible with Imron base coat clear coat paint

\_\_\_\_\_

\_\_\_\_\_

**XXI. CHASSIS EQUIPMENT**

1. Shall include front wheel (steer axle) mud flaps, and rear (of dual axles) mud flaps with Minimizer Fast Flaps

\_\_\_\_\_

\_\_\_\_\_

**XXII. AIR SYSTEM INSTALLATION**

1. All air hoses shall be plastic and DOT approved

\_\_\_\_\_

\_\_\_\_\_

2. The bend radius of airlines shall not be less than the manufacturer's recommended minimum

\_\_\_\_\_

\_\_\_\_\_

3. Airlines shall not be routed through holes or across sharp edges without protection from being chafed or cut

\_\_\_\_\_

\_\_\_\_\_

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

4. Airlines shall be adequately clamped or tied to supporting structures \_\_\_\_\_

**XXIII. PUBLICATIONS**

The following manuals shall be provided (paper or electronically):

- |                             |       |       |
|-----------------------------|-------|-------|
| 1. Two (2) Operator manuals | _____ | _____ |
| 2. One (1) Parts manual     | _____ | _____ |
| 3. One (1) Service manual   | _____ | _____ |

**XXIV. WARRANTY**

Truck Cab & Chassis shall include the following minimum warranty:

- |  |       |       |
|--|-------|-------|
| 1. Basic vehicle warranty shall be 12 month / 100,000 miles  | _____ | _____ |
| 2. Major components (i.e., Front & rear axles, steering components, brakes, structural components of cab, etc.) 36 month / 300,000 miles | _____ | _____ |
| 3. Frame, Gussets, Cross-members, and Cab corrosion shall be 60 month / 500,000 miles  | _____ | _____ |
| 4. Full engine warranty 24 month / 250,000 miles   | _____ | _____ |
| 5. Allison transmission warranty shall be 36 month / 250,000 miles   | _____ | _____ |

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
----------------------------	----------------------------------	----------------------------------

6. Shall include complete warranty specifications with bid

\_\_\_\_\_

\_\_\_\_\_

**XXV. DUMP BODY**

1. Dump Body shall be 10/12 Yd. capacity (Approx. 14.5' length) with sloped tailgate

\_\_\_\_\_

\_\_\_\_\_

2. 3/16" dash & tailgate

\_\_\_\_\_

\_\_\_\_\_

3. 3/16" AR400 steel tub style dump body

\_\_\_\_\_

\_\_\_\_\_

4. 1/4" Scandia floor

\_\_\_\_\_

\_\_\_\_\_

5. Asphalt doors in tailgate (2 outboard with lock pins)

\_\_\_\_\_

\_\_\_\_\_

6. Backup light mounted in rear hitch plate, with license plate light

\_\_\_\_\_

\_\_\_\_\_

7. Oval LED taillights

\_\_\_\_\_

\_\_\_\_\_

8. Stationary cab shield/oil tank (with body shaver)

\_\_\_\_\_

\_\_\_\_\_

9. PTO for Allison transmission (hot-shift)

\_\_\_\_\_

\_\_\_\_\_

10. Six-inch hydraulic cylinder

\_\_\_\_\_

\_\_\_\_\_

11. Bale Mount Cylinder (no dog-house)

\_\_\_\_\_

\_\_\_\_\_

12. Commercial P-50 pump with A-35 valve for basic system

\_\_\_\_\_

\_\_\_\_\_

13. Roll\*Rite Manual Tarp System

\_\_\_\_\_

\_\_\_\_\_

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
14. High-lift tailgate (rock guard)	_____	_____
15. Separate hydraulic circuit for "High-lift" tailgate	_____	_____
16. Pony package upgrade (with standard hydraulic system, uses plow-up circuit, for wet line, includes trailer gate and reach controls)	_____	_____
17. NTE "Quick Release" plow hitch (requires stationary grille & front frame rail extensions)	_____	_____
18. Federal 252650-02 amber strobe light mounted to cab guard	_____	_____
19. A-35 Valve section for plow, sander, and hi-lift circuits	_____	_____
20. ¼" AR dash, tailgate, and sides	_____	_____
21. Aluminum diamond plate overlay on fenders (stainless steel pop rivets)	_____	_____
22. Dual air tailgate cylinders	_____	_____
23. Chip spreader bar	_____	_____
24. Fabricated brackets for shovel, chock blocks, and stop sign	_____	_____
25. Recycled plastic side boards (bolt to center brace)	_____	_____
26. One (1) extra set of spreader bar brackets	_____	_____
27. Dump body to be painted silver	_____	_____

Specification Requirements	Check if; Meet or Exceeded	Describe Offered Alternatives
28. Install mounting holes for County sander	_____	_____
29. 4-way plow lift circuit with down side returned to tank	_____	_____
30. Return oil on left side of truck (providing exhaust will allow)	_____	_____
31. Standard steps over rear tires with rebar ladder and grab handle at front ILO rebar walk rail and fold-down ladder. Two toe steps inside on drivers side front corner	_____	_____
32. No chain eyes on sides at top	_____	_____
33. Check cylinder to body clearance at lower front corner	_____	_____
34. Check baffles in oil tank	_____	_____
35. Hydraulics plumbed to rear of chassis for trailer & sander, and must have hydraulic capacity for proper cooling	_____	_____
36. Hydraulic Quip Couplers shall be installed as specified by attachments (pages 41 – 43)	_____	_____



LEFT



RIGHT

**PLOW SIDE**



PART# 5601-6-6



PART# 5601-6-6



PART# 5602-6-6

ANGLE LEFT

LIFT CYLINDER

ANGLE RIGHT



PART# 5602-6-6



PART# 5602-6-6



PART# 5601-6-6

**TRUCK SIDE**

DRIVERS  
(LEFT)

PASSENGER  
(RIGHT)

\*\*\*\*\*NOTE: ANGLE LEFT AND LIFT CYLINDER ARE ON LEFT SIDE OF PLOW HITCH FRAME CLOSE TOGETHER\*\*\*\*\*

Part # **2021-6-6** is the straight # 6 male pipe to # 6 JIC fitting

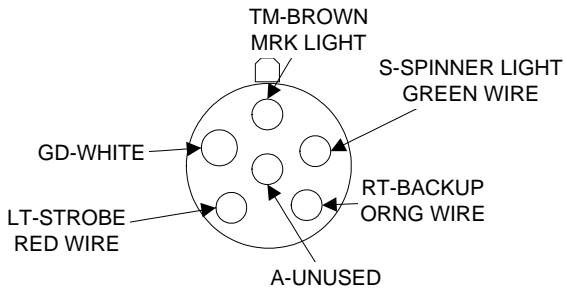
The hoses should have #6 female JIC swivel fittings on both sides

The cushion valve on the plow, may require a **fitting 2023-8-6** which is a 45 degree # 8 male pipe to # 6 male JIC

**ELECTRICAL HOOK-UP FOR 6 PIN SANDER PLUG** ↘

PART # 11-604 SANDER SIDE 11-608 TRUCK SIDE

**TRUCK SIDE**



PART# 5602-8-10



PART# 5602-12-12



PART# 5602-8-10

Dixon #

Dixon # K4F4

Parker # 6602-12-12

Parker # 6602-8-10

**SPREADER**

**RETURN**

**CONVEYOR**



PART# 5601-8-10



PART# 5601-12-12



PART# 5601-8-10

Dixon #

Dixon # 4KF4

Parker # 6601-12-12

Parker # 6601-8-10

**DRIVERS**                      **SANDER SIDE**                      **PASSENGER**  
**(LEFT)**                      **(Watertank Side)**                      **(RIGHT)**

\*\*\*\*\*NOTE: \*\*\*\*\*

Part # 2083-8-12 male pipe to male pipe reducer is used behind the QD 5602-8-10 on truck going to bulkhead

Part# 2083-12-12 male pipe to male pipe union is used behind the QD 5602-12-12 on truck going to bulkhead

The hoses for **supply** should have #8 female JIC swivel fittings on motor side and #8 male pipe on QD side

The **Return** hose should have #12 female JIC swivel on T fitting and # 12 male pipe on QD side