CITY
OF
JOPLIN, MISSOURI

REQUEST FOR BID PACKAGE

#2017-11

for

(1) ADULT PASSENGER LIGHT DUTY CUTAWAY TYPE VEHICLE .
23 FOOT BODY WITH ADA LIFT

PUBLIC WORKS DEPARTMENT
602 S. MAIN ST.
JOPLIN, MO 64801

(417) 625-4793

REQUEST FOR BID S

The City of Joplin, Missouri will accept sealed bids until 10:30 A.M, Wednesday, April 26th, 2017 at the Public Works offices located at 602 S. Main Street, Joplin, Missouri, 64801 for the following:

(1) ADULT PASSENGER LIGHT DUTY CUTAWAY TYPE VEHICL E.
23 FOOT BODY WITH ADA LIFT

Specifications and bid forms are available from Robert Lolley, Transit Coordinator at 417-625-4793. Any bids received after the specified deadline will be returned to the vendor.

The City reserves the right to evaluate all bids, to reject any or all bids and solicit again at a later date. The City may waive any irregularities in the bid or negotiate variances from specifications, and make awards that are in the best interests of the City. The City will have final decision in all matters regarding acceptance of bids and issuance of awards.

The City encourages minority and female owned businesses to submit bids on all City purchases.

Nicholas A. Heatherly,
Director of Public Works

Publication Date: Tuesday, March 28th, 2017

INSTRUCTIONS FOR BID S

The City of Joplin, Missouri bids to PURCHASE the following:

(1) ADULT PASSENGER L IGHT DUTY CUTAWAY TYPE VEHICLES
23 FOOT BODY WITH ADA LIFT

All Bids shall have firm-fixed F.O.B. Joplin; Missouri, 64801 price and shall be honored for a minimum of ninety (90) days following the bid opening.

All bids shall be exclusive of Federal, State, and City taxes.

It is the intent of the specifications included with this proposal document to generally describe the item(s) desired in sufficient detail as to secure bids on comparable items. All parts not specifically mentioned which are necessary in order for the item(s) to perform, as intended shall be included. The strength, quality of workmanship, and material shall be in accordance with the best trade practices.

Specification variances, manufacturer's literature and additional information should be included with the bid. Any bid not meeting this requirement may be considered non-responsive.

Any protest or grievance must be issued in writing and delivered to the office of the Director of Finance within ten (10) days following the bid opening. Any protest filed after this time period has elapsed will not be considered.

The City encourages selection of products manufactured, assembled and/or produced in the United States, as long as the quality and price are comparable with other items bid.

Once the bids are reviewed and evaluated, the successful vendor will be notified, in writing, and will receive an authorized City of Joplin purchase order. Verbal acknowledgments will not be considered as official notification and will not obligate the City in any way. Delivery or performance should not be completed without the receipt of an authorized purchase order.

MARK PROPOSAL ENVELOPES: "BID 2017-11 PURCHASE OF LIGHT DUTY CUTAWAY TYPE VEHICLES 10:30 A.M. APRIL 26th, 2017"

Questions concerning the specifications and bidding procedures should be directed to Robert Lolley, Transportation Coordinator at 417-625-4793, or mailed to Public Works Offices at 602 S. Main St, Joplin, MO, 64801.

Notice of Certifications

FTA Clauses (Exhibit B)
Purchases $100,000 or greater

The following certifications and assurances are a part of this Request for Bid and must be

certified and submitted in order for this bid to be considered responsive.

By signing and submitting this bid, the prospective lower tier participant is providing the signed certification set out below.

The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, The City of Joplin may pursue available remedies, including suspension and/or debarment.

The prospective lower tier participant shall provide immediate written notice to The City of Joplin if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "persons," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549 [49 CFR Part 29]. You may contact The City of Joplin for assistance in obtaining a copy of those regulations.

The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized in writing by The City of Joplin.

The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction", without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List issued by U.S. General Service Administration.

Nothing contained in the foregoing shall be construed to require establishment of system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
Except for transactions authorized under Paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to all remedies available to the Federal Government, The City of Joplin may pursue available remedies including suspension and/or debarment.

"Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction"

(1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its "principals" [as defined at 49 C.F.R. 29.105(p)] is presently debarred, suspended, proposed for

debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(2) When the prospective lower tier participant is unable to certify to the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The Contractor also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

Energy Conservation- The contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

Access to Records- The Contractor agrees to provide the Purchaser, the FTA Administrator, the Comptroller General of the United States or any of their authorized representatives access to any books, documents, papers and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts and transcriptions. The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed. The Contractor agrees to maintain all books, records, accounts and reports required under this contract for a period of not less than three years after the date of termination or expiration of this contract, except in the event of litigation or settlement of claims arising from the performance of this contract, in which case Contractor agrees to maintain same until the Purchaser, the FTA Administrator, the Comptroller General, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto. Reference 49 CFR 18.39(i)(11).

Fraud and False or Fraudulent Statements or Related Acts- (1) The Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. 3801 et seq. and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to the Project. Upon execution of the underlying contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the FTA assisted project for which this contract work is being performed. In addition to other penalties that may be applicable, the Contractor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Contractor to the extent the Federal Government deems appropriate. (2) The Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority

of 49 U.S.C. 5307, the Government reserves the right to impose the penalties of 18 U.S.C. 1001 and 49 U.S.C. 5307(n)(1) on the Contractor, to the extent the Federal Government deems appropriate. (3) The Contractor agrees to include the above tow clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

Federal Changes- Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Agreement (Form FTA MA (6) dated October, 1999) between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

Civil Rights Requirements- (1) Nondiscrimination-In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. 12132, and Federal transit law at 49 U.S.C. 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue. (2) Equal Employment Opportunity-The following equal employment opportunity requirements apply to the underlying contract:

Race, Color, Creed, National Origin, Sex-In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. 2000e, and Federal transit laws at 49 U.S.C. 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Opportunity," 42 U.S.C. 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

Age-In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. 623 and Federal transit law at 49 U.S.C. 5332, the Contractor

agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

Disabilities-In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. 12112, the Contractor agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

Incorporation of Federal Transit Administration (FTA) Terms- The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1D, dated April 15, 1996, are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The Contractor shall not perform any act, fail to perform any act, or refuse to comply with any City of Joplin requests which would cause City of Joplin to be in violation of the FTA terms and conditions.

No Obligation by the Federal Government:

(1) The City of Joplin and the contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the City of Joplin, contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.
(2) Contractor agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

Termination Provisions:

(1) If contractor refuses or fails to prosecute the work or any separable part, with the diligence that will ensure its completion within the time specified in this contract including any extension, or fails to complete the work within this time, the City of Joplin may, by written notice to contractor, terminate the rights to proceed with the work (or the separable part of the work) that has been delayed. In this event, the City of Joplin may take over the work and complete it by contract or otherwise, and may take possession of and use any materials,

appliances, and plant on the work site necessary for completing the work. The contractor and its sureties shall be liable for any damage to the City of Joplin resulting from contractor's failure or refusal to complete the work within the specified time, whether or not contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the City of Joplin in completing the work.

(2) Contractor's right to proceed shall not be terminated nor contractor charged with damages under this clause if:
    (A) The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of contractor. Examples of such cause include (i)Acts of God or of the public enemy, (ii) Acts of the City of Joplin in either its governmental or contractual capacity, (iii) Acts of another Contractor in the performance of a contract with the City of Joplin, (iv) strikes, (v) freight embargoes, (vi) unusually severe weather, or (vii) delays of subcontractors or suppliers on any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both contractor and the subcontractors or suppliers; and
    (B) Contractor, promptly following the beginning of any delay (unless extended by the City of Joplin), notifies the City of Joplin orally and followed up in writing in the causes of delay. If, in the judgment of the City of Joplin, the findings of fact warrant such action, the time for completion the work shall be extended. The findings of the Director of Public Works shall be final and conclusive

(3) The rights and remedies of the City of Joplin in this clause are in addition to any other rights and remedies provided by law or under this agreement.

(4) The City of Joplin, by written notice, may terminate this contract in whole or in part, when it is in the City's interest. If this contract is terminated, the City of Joplin shall be liable only for payment under the payment provisions of the contract for services rendered before the effective date of termination. If reasons beyond the control of the City of Joplin (such as reduction in funding appropriation) so dictate, the City of Joplin may cancel this contract for convenience upon thirty (30) days written notice to contractor. Upon such termination, any materials, supplies or equipment for which the City of Joplin pays will be delivered to the City of Joplin. Additionally, the City of Joplin retains the right to cancel the contract for convenience in the event that contractor or its agents behave in any manner detrimental for the security of the City of Joplin personnel or property. In the event of any such termination for convenience, the City of Joplin shall pay to contractor reasonable expense of termination including costs associated with the early termination of any leases and employee termination expenses.

(5) Contractor may terminate this agreement in the event that the City of Joplin fails to pay the agreed compensation, outlined elsewhere in this agreement. In the event that contractor determines that termination is necessary, Contractor shall

provide the City of Joplin with written notice of their intentions thirty (30) days prior to termination.

Contract Work Hours and Safety Standards Act- (1) Overtime requirements-No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages- In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, I in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages-The City of Joplin shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy and liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) Subcontracts- The contractor or subcontractor shall insert in any subcontracts the clauses set forth in this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in this section.

(5) Payrolls and basic records- (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site or the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in

the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in the section 1 (b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1 (b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the programs.

Clean Air- (1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. The Contractor agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office. (2) The Contractor also agrees to include these requirements in each subcontract exceeding $100,000 financed in whole or in part with Federal assistance provided by FTA.

Privacy Act- (1) The Contractor agrees to comply with, and assures the compliance of its employees with, the information restrictions and other applicable requirements of the Privacy Act of 1974, 5 U.S.C. 552a. Among other things, the Contractor agrees to obtain the express consent of the Federal Government before the Contractor or its employees operate a system of records on behalf of the Federal Government. The Contractor understands that the requirements of the Privacy Act, including the civil and criminal penalties for violation of that Act, apply to those individuals involved, and that failure to comply with the terms of the Privacy Act may result in termination of the underlying contract. (2) The Contractor also agrees to include these requirements in each subcontract to administer and system of records on behalf of the Federal Government financed in whole or in part with Federal assistance provided by FTA.

Clean Water- (1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The Contractor agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office. (2) The Contractor also agrees to include these requirements in each subcontract exceeding $100,000 financed in whole or in part with Federal assistance provided by FTA.

_____Signature of Contractor's Authorized Official

_____Name and Title of Authorized Official

_____Date

Buy America Certification

Buy America - The contractor agrees to comply with 49 U.S.C. 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. 661.7, and include final assembly in the United States for 15 passenger vans and 15 passenger wagons produced by Chrysler

Corporation, and microcomputer equipment and software. Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11. Rolling stock must be assembled in the United States and have a 60 percent domestic content.

A bidder or offeror must submit to the FTA recipient the appropriate Buy America certification (below) with all bids or offers on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America certification must be rejected as nonresponsive. This requirement does not apply to lower tier subcontractors.

Certification requirement for procurement of steel, iron, or manufactured products.

Certificate of Compliance with 49 U.S.C. 5323(j)(1)

The bidder or offeror hereby certifies that it will meet the requirements of 49 U.S.C. 5323(j)(1) and the applicable regulations in 49 CFR Part 661.5.

Date _____

Signature_____

Company Name_____

Title _____

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(1)

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(1) and 49 C.F.R. 661.5, but it may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Date _____

Signature _____

Company Name

_____

Title _____

Certification Regarding Lobbying

The undersigned (Contractor) certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member

of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form—LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions (as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L 104-65, to be codified at 2 U.S.C. 1601, et seq.)

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and nor more than $100,000 for each such failure. Note: Pursuant to 31 U.S.C. 1352©(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or emend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, et seq., apply to this certification and disclosure, if an.

_____Signature of Contractor's Authorized Official

_____Name and Title of Authorized Official

_____Date.

ADULT PASSENGER LIGHT DUTY CUTAWAY TYPE VEHICLE SPECIFICATIONS 23 FOOT BODY

1. The intent of these general specifications is to describe a commercial non-school

bus type vehicle that will be manufactured, structured and assembled by using best quality materials, components and workmanship in accordance with sound engineering principles and manufacturing practices to provide safe and reliable highway and city transportation for ambulatory and nonambulatory adult passengers. Please provide bid quotes for both diesel and gasoline powered versions of the vehicle.

Chassis types - Cutaway Vans, Commercial Cutaways or R.V. Cutaways, 2017 or 2018 if 2017 model year is no longer available, General Motors 12,300 GVW, Ford Super Duty 14,500 GVW or approved equal (60% minimum domestic content, final assembly point in USA).

The City of Joplin reserves the right to conduct in-plant inspections.

These vehicles shall be tested at the FTA's Altoona Bus Testing and Research Center and the testing report submitted with the bid. These vehicles will also meet all current Federal Motor Carrier regulations at time of manufacture.

2. Body Exterior, Construction - The materials used and the assembly method of the roof, side panels, and floor will be the manufacturer's standard construction, uniformly connected, lapped and sealed providing a weather and dust proof body. Drip rails shall be installed above all doors to prevent water leakage into bus. Drip rails will be 3/4" or more in width. Each vehicle will be thoroughly water tested before delivery. Decals and all forms of dealer advertising will not be allowed.

Vehicle shall be warranted against any paint rust-through for three years from the date of delivery to the end user.

Vehicle will have a complete application of undercoating that will not interfere with OEM requirements.

3. Body Interior Construction - The inner construction must provide equal protection to passengers regardless of where they are seated. Interior height shall be minimum of 70".

The inner frame, at the floor, front and rear ends shall be heavy steel construction that will provide solid support for inner crash shield and exterior panels. The frame shall be securely anchored to adequately spaced steel floor cross members.

The entire structure must provide maximum resistance to impact and collision and meet or exceed the rollover protection requirement of all federal regulations. (FMVSS 220).

Headliner - Shall be full length for driver and passenger area. This headliner shall

have longitudinal and cross member supports where needed to prevent flexing and vibrations.

Side and End Panels - To be complete on all doors, sidewalls and rear end. It shall conform to Federal Motor Vehicle Safety Standards and meet all static load test requirements. All materials used in the interior of the vehicle shall meet or exceed all aspects of FMVSS 302.

Floor and Floor Covering - The entire floor except driver's area shall be made with marine grade plywood or fiberglass re-enforced a minimum of 3/4" thick securely installed by glue, screws or a combination of methods that will assure a permanent fitted floor. The plywood floor shall be covered with a minimum of 2.2 mm thick, vinyl transit type floor covering. All seams are to be heat welded. Heat welding only applies when mating of similar surfaces. There will also be an aluminum polyethylene or galvanized, belly pan located under the floor to prevent moisture entrance.

Exposed rear wheel wells are acceptable.

The entranceway and aisle will be non-skid type and under the seats it will be smooth with anti-skid properties. The driver area and wheelhouse covering may be either smooth or anti-skid type. All floor coverings will meet ADA requirements 49 CFR 38.25. Flooring in Securement area will meet ADA requirement 49 CFR 38.25(a) for slip resistance (anti-skid throughout).

There will also be a standee line in aisleway that meets all Federal Motor Carrier Safety Regulations 49 CFR 393.90.

All exposed edges around the wall, doors and entranceways shall be trimmed with a molding securely attached or quality waterproof seal.

Insulation - The interior dash firewall, lower panels, doors, floor, sidewalls, roof headliner and etc. shall be insulated.

Grabrail, Grabhandle, Guardrails and Stanchions - A floor to ceiling stanchion shall be installed near the aisle and immediately left of the entrance door. This stanchion shall be connected to the vehicle right side by a guardrail approximately 30" above the floor. The stanchion and guardrail shall not impair the driver's seat adjustment.

A floor to ceiling stanchion shall be installed in close proximity to the rear, right side of the driver's seat. This stanchion shall be connected to the vehicle's left hand side wall by a guardrail approximately 30" above the floor. The stanchion

and guardrail shall not impair the driver's seat adjustment. Two stanchions with modesty panels behind the driver’s seat are also acceptable.

A solid material modesty panel shall be provided with the entry door stanchion and guardrail (right hand front seat).Spacing of these guardrails and panels must provide adequate passenger knee room.

Two grabrails or handles a minimum of 18" in length shall be installed to the left and right of the right hand front entrance door within easy reach of boarding passengers to discourage the use of a door opening device for support when boarding.

There will also be two overhead grabrails mounted securely above the passenger aisleway. These grabrails will meet ADA requirement 49 CFR 38.29.

There shall be a passenger grabrail and stanchion floor to ceiling mounted along the right side of the stepwell. This handle is to be approximately 18" in length and to be securely mounted to the vehicle to provide a secure handhold for boarding passengers. All handrailsand stanchions will meet ADA requirement 49 CFR 38.29. Both stepwell handrails will be parallel to each other and be mounted along the entire length of the stepwell..

Stanchions, grabhandles, and guardrails shall be tubular metal covered with pre-molded energy absorbing padding. All stanchions guardrails, grabhandles, and grabrails will be mounted to the floor or ceiling with at least four screws.

Seating - See Exhibit A. The arrangements shall provide seating as listed and as shown on exhibit A.

The driver's seat shall be a power adjustable (vertical and horizontal) high-back bucket type with full depth foam padded seat cushion and backrest covered with a level 3 grade vinyl material. There will be an armrest on the right hand side and the back shall be adjustable.

The conventional type two-passenger seats shall be a minimum width of 35" and spaced on a minimum of 30" centers. No exceptions will be allowed in seat spacing or width.
All one-passenger seats shall be 17” wide and shall be on 30” centers. (Mid back height). No exceptions will be allowed in seat spacing or width.

All two-passenger seats shall be a minimum depth of 16", the backrests shall be a minimum thickness of 2". All seats frames will be completely painted or powder coated.

All two-passenger seat cushions and backrests shall be covered with a minimum level 3 grade vinyl materials. Seat cushions and backrests shall have full depth foam padding. The seat cushion padding shall have a density (4" minimum)

sufficient to support occupants without bottoming. Mid-back style seats manufactured by the Freedman, C. E. White Seating Company, or American Seating (or approved equal) will be preferred type. All seats will meet or exceed the requirements of FMVSS 210. Please include testing certification with your bid.

All passenger seats will have folding armrests on the aisle sides.

The walk-through aisle between right and left hand seats shall be a minimum of 14".

Interior components shall be of a neutral color or color keyed to the vehicle's exterior color.

The driver and all passenger seats shall have best quality seat belts and retractors properly located and easily accessible. The driver's seat belts shall have minimum usable extension of 60" measured from the seat cushion to the buckle.
The passenger seat belts will have to be designed to encircle the largest of individuals (minimum usable extensions of 60"). All seating positions will have 60" seat belts with retractors (no traveling retractors). The permanent front seats will be designated as priority seating. There will be three (3) 12" extensions provided. These extensions will interchange with other belts used on the vehicle.
Cutaways will have two ambulatory seating positions that have non-retractable lap belts, for the use with child safety seats. These will be located in the center of the vehicle on the aisle sides of the seats.

Fold-A-Way Type Seat Requirements:
Fold-A-Way type seats shall meet all dimensional, structural and testing requirements of the standard seat specification.
All seats shall be forward facing for ambulatory passengers and fold against the wall when wheelchair space is required.
In the folded position, the seat may extend into the bus no further than 12" installed at 90 degree to maximize space for wheelchair loading and positioning.
A full 30" x 48" free securement area must be maintained.
In the down, fixed position, the seat may not extend into the aisle more than 38" to preserve aisle space, mounted maximum 12" from wall.
Fold-A-Way type seats shall be Braun Series 5, Freedman 3 step Fold Away, C. E. White model 35, American E-Z fold, or approved equal.
Fold-A-Way seats mounted over a wheel well may have non-retractable seat belts in lieu of retractable seat belts.

The vehicle will have (2) two integrated child seats that will safely accommodate children between 20 and 60 lbs. This seat will be of a fixed two-passenger design and will be located near the rear of the vehicle. Freedman ICS, American ICS or approved equal will be acceptable.

The vehicle will have at least two seating positions that meet the FMVSS 225 latch system requirement for child safety seats. They may be located on either fixed seats, or folding seats and must be designated safety seat locations. The preferred location of these positions will be on the aisle side of two-passenger seats. All FMVSS 225 seating positions will have a non-retractable 60” lap belt.

4. Windshield, Door Glass and Window Glass - Safety plate windshield and window glass all around.

Passenger side windows shall be provided throughout the passenger area. These windows will be a horizontal opening type that easily open and close. These windows shall meet all the latest federal regulations for retention and release. Kick-out type windows will be hinged at the top. All windows that are considered as emergency exits will be clearly marked. A full-length drip molding of at least 3/4" will be installed over each passenger window opening.

The driver position, on buses with right hand front entrance door only, shall have a window that can be opened for ventilation at the left side.

The dual right hand passenger entrance doors shall have full-length windows that will allow the driver to judge curb location.

The emergency rear door shall have an upper and lower fixed glass 22” high x 58” wide and meet FMVSS 205 & 217.

There will be glass on each side of the emergency door, approximately 7” X 30”.

The windshield, driver position side window, and rear emergency window glass will be tinted. The passenger entrance door glass will be tinted in the upper and lower part.

All passenger area side window glass will be tinted. An approximate tinting of 28%-30% light transfer is acceptable.

All side windows will have inside latches for security.
All windows, doors, and windshield will be installed to keep water and dust leakage to an absolute minimum. Proper sealing during installation is essential.

5. Doors
Front - One door RH or two doors LH and RH acceptable.

Entrance LH - If required - This door shall be the chassis manufacturer's standard front side door with tinted drop glass armrest and lock. This door may be modified if necessary.

Entrance RH - Main service door may be either forward folding, in-out or out-out opening type. This door shall provide no stoop entry headroom with a minimum of 72" entrance height from the top of the first entrance step to the door headliners. The minimum width shall be a 24". The top of the door entrance shall be fully enclosed and protected from weather and other elements. It shall have protective padding to prevent head injury when entering or exiting.

All vehicles will have an electrically operated door. The electric door will also be forward folding, in out or out-out opening type. This door will be operated by a switch from the driver's areas. There will also be a key activated switch on the right exterior of the bus so the door can be opened from the outside. The door and control arms will be located above the door area, not beneath the stepwell.

Either door shall have a below floor level entrance stepwell, with a minimum of two steps. These steps shall be stationery, corrosion resistant steel adequately braced and be an integral part of the basic structure. The height from ground to top of first step of empty vehicle be a maximum of 13-1/2" and a minimum of 10". Additional step heights will be a maximum of 11", the head depth for all steps shall be a minimum of 8". All of the steps shall be level and the risers shall be vertical and not angled.
Each step will be covered with molded rubber or vinyl. The step covering will be non-skid type tread with white or yellow nosing. The riser shall be covered or coated with scuff resistant material.

These steps will be fully recessed, enclosed and protected from weather and other elements. Door sweeps will be installed on bottom edges of doors.

A stepwell light shall be provided and automatically operated by door control.

The entire door shall be weather stripped to provide a water and airtight seal. The door edge seals will be the over-lapping type to provide maximum sealing ability. The door openings shall be structurally reinforced to have the same structural integrity as the body.

RH side lift door or doors - This entranceway may have either single or dual swing-out type door or doors (single preferred). Positive exterior latching mechanism will be provided to keep door(s) held open during lift operations.

The door(s) height extended from the floor to the top and side-to-side of the entranceway shall provide adequate clearance for the ramp and wheelchair entry. (68" minimum)

This entranceway will be located across from the wheelchair securement area in the rear of the bus, along the curbside. Please note lift position in exhibit A.

Lift door will meet all requirements of ADA 49 CFR 38.25.

The entranceway shall be protected from weather and other elements and be padded to prevent head and other injuries to passengers when exiting or entering.

Rear Emergency Door - This door shall be outward opening type, clearly marked as an exit. The dimensions of this door will be approximately 32" wide and 50" high. This door shall have an open door warning buzzer and will be sealed to minimize dust and moisture entry. A red light will be installed to meet Federal Motor Carrier Safety regulations 49 CFR 393.92. This door opening shall have protective padding to prevent head injury when exiting. The rear emergency door must have an inside latch and release mechanism and outside handle. This door shall have factory installed position hold and check arm. All doors will meet ADA requirement 49 CFR 38.25. Vehicles will have a warning buzzer that indicates a locked rear emergency door. Emergency door will have an inside lock. This warning device will meet all FMVSS requirements.

Security Lock System - The bus shall have a security door lock system for all doors.

6. Wheelchair Lift
The lift shall be an electro hydraulic type providing power-up, power or gravity down and power automatic fold. The power source shall be the vehicle 12-volt electrical system. The lift will be mounted within the body with access through the right hand side load door or doors. Modifications for the lift installation must not affect the structural integrity of the basic vehicle. Main power source for lift will be protected by fuses or breakers. All lifts and installation must meet all requirements of FMVSS 403 & 404 for public use lifts.

The lift shall have a minimum rated working load capacity of 800 lbs. Working parks must have a safety factor of at least six and non-working parts shall have a safety factor of at least three 49 CFR Part 38.23(b)(1).

The lift will have no dirty or greasy surfaces that will contact the wheelchair occupant during normal operation.

The lift platform shall be constructed of expanded metal with a minimum usable width of 33" and a minimum depth of 51".

Platform will be painted high visibility yellow and the platform surface must be slip resistant with no protrusions over ¼ inch. 49 CFR Part 38.23(b)(6)

The platform must be at least 28 ½-inches wide measured at the platform surface and at least 30 inches wide measured from 2 inches above the platform surface to 30 inches above the surface. It must also be at least 48 inches long measured from 2 inches above the surface to 30 inches above the surface. 49 CFR Part 38.23(b)(6)

Gaps between the platform surface and any barrier can be no more than 5/8 inch. Semi-automatic lifts can have a handhold in the platform that measures no more than 1 ½ inches by 4 ½ inches. 49 CFR Part 38.23(b)(7)

When in the fully raised position, the platform surface must be vertically within 5/8 inch of the finished floor and horizontally within ½ inch of the finished floor. 49 CFR Part 38.23(b)(7)

The platform must not deflect more than 3 degrees in any direction when a 600 pound load is placed on the center of the platform (49 CFR Part 38.23(b)(9) and the platform must raise or lower in no more than 6 inches per second. The platform must be stowed or deployed in no more than 12 inches per second. Horizontal acceleration can be no more than 0.3g. 49 CFR Part 38.23(b)(10)

Components of a lift must be designed to allow boarding in either direction. 40 CFR Part 38.23(b)(11)

The lift shall have the following:

A manual override to lower, to raise and an emergency platform release for use in the event of power failure. The pump handle will be able to function without interference from interior obstructions.

Lifts must be equipped with an emergency backup system capable of being operated both up and down without the platforms “stowing” wile occupied. 49 CFR Part 38.23(b)(3)

The lift must be designed so that in the event of a power failure, the platform cannot fall faster than 12 inches per second. 49 CFR Part 38.23(b)(4)

The lift will have nine interlocks as defined in FMVSS 403.

On lift platform operation, there will be a device that locks in an upward position acting as a curb as the platform is departing ground level and pivots downward upon ground contact, acting as an entry ramp. There will also be a similar safety barrier on the inboard side of the lift platform. Both barriers shall be a minimum of 6" in height.

Door activated power cutoff device to prevent movement of the lift when vehicle doors are closed.

Two handrails for use by the wheelchair occupant. These rails shall automatically fold up or down with platform movement and shall fold flat against the platform during transport. These handrails must move in tandem with the lift platform, must be 30-38 inches above the platform surface, and must have a useable grasping area of at least 8 inches. Handrails must be capable of supporting 100 pounds, must have a cross-sectional diameter of 1 ¼

to 1 ½ inches, and must have at least 1 ½ inches of "knuckle clearance." 49 CFR Part 38.23(b)(13)

An automatic down pressure cutoff device shall stop downward movement of the platform upon contact with any obstruction or the ground.

The lift shall have automatic controls to perform all functions. The control shall be hand held, cord mounted console control, with sufficient cord length to allow operator to control the lift from inside or outside the vehicle.

Controls must be interlocked with the brakes, transmission, or door so that the vehicle cannot move unless the interlock is engaged and the controls must be "momentary contact type" (meaning they require constant pressure). The controls must allow the up/down cycle to be reversed without causing the platform to "stow" while occupied. 49 CFR Part 38.23(b)(2)(i)

Any part of the lift assembly protruding into the body that could be hazardous must be properly padded for passenger protection. Manufacturer's flexible end barrier meets this requirement.

Platform must have an inner barrier or inherent design feature to prevent the mobility aid from rolling off the side closest to the vehicle until the platform is in its fully raised position. 49 CFR Part 38.23(b)(5)

Side barriers must be at least 1 ½ inches high and the "loading-edge" or outer barrier shall be sufficient to prevent a power wheelchair from riding over or otherwise defeating it. If this barrier is automatic, it must close when the platform is no more than 3 inches off the ground. If the outer barrier is to be driver operated, it must have an interlock or inherent design that prevents the platform from being raised until the barrier is closed or other system is engaged. 49 CFR Part 38.23(b)(5)

The electrohydraulic lift system shall have a monitoring device requiring no tools to allow for a quick and easy fluid level check.

The lift system and mechanisms must be easily accessible for repair and maintenance without dismantling and removal from body. The lift circuit breakers will be mounted near the second battery and in the battery box.

The preferred lift will be a S-5510, S2010 series Ricon, Maxon WL-7, Braun Millennium Or Century Series 2, or approved equal.

Lifts other than those specified will be considered but they must be equal in type. quality and performance. Descriptive literature and detailed specifications must be included with your bid. All lifts will meet requirements of ADA 49 CFR 38.23.

The lift must provide either a safety belt occupant restraint system inter-locked to lift operation or an outside end barrier that locks in place before the lift platform leaves the ground more than 4”. Both systems are to reduce the chances of a lift passenger falling or rolling off the lift platform.

7. Retractable Wheelchair Securement System and Area
Each wheelchair tie down securement area shall be equipped with a minimum of four (4) Sure-Lok Titan wheelchair restraint securement belts designed to meet all ADA requirements and 30-mph/20g impact.

The wheelchair securement tie down belts shall be retractable into a protected steel housing and eliminate the need for belt cleaning and storage (Sure-Lok Titan).
The belt housing and mechanical retractor shall be designed for a minimum of five (5) year life. Belts will incorporate a S-hook or J-hook design to secure belts to the mobility aid. Include four (4) 16” "quick straps", or approved equal for each securement location

The location of the rear belts shall be positioned to allow the driver to secure the wheelchair frame between the rear wheelchair wheels. The retractable belts shall feature positive locking mechanisms. The belts shall be equipped with a release tab to release tension on the belts when unfastening the wheelchair and to take up the excess belt when securing the wheelchair.

The retractable belts shall feature positive locking mechanisms. All belts shall have automatic tensioners. All belts shall be designed for a minimum life of five (5) years. All belts may also utilize a flush floor mount L-Track with flanged edges for securment to the floor. The wheelchair occupant restraints shall be FMVSS Type II (combination lap and shoulder belt) with an adjustable height shoulder belt featuring a single-point release buckle for quick release at hip point. This system will also be fully retractable. Include one 20” lap belt extension for each wheel chair position.

All equipment shall comply with all applicable federal standards.
The restraint system shall be so designed, configured and installed as to accommodate the greatest possible variety of wheelchair designs and sizes. There will be wall-mounted pouches for storing all belts and Securement devices.
Use of the restraint system under normal conditions shall not cause any damage to the mobility aid.
A clear floor area of 30 inches wide by 48 inches long must be provided for each securement area. This can include an area up to 6 inches under a seat as long as there is a vertical clearance of at least 9 inches. If flip-seats are utilized, they cannot obstruct the required floor area. The required floor area can overlap the access path (the path of travel from the accessible entrance to the securement area, 49 CFR Part 38.23(d)(2).

A sign must be provided which indicates that the securement area is to be used by persons who use wheelchairs and mobility aids. Characters on these signs shall have a width to height ratio between 3:5 and 1:1 and a stroke width to height ration between

1:35 and 1:10. Minimum character height (using c capital X) shall be 5/8 inch. Wide spacing shall be used(generally the space between letters shall be 1/16 the height of upper case letters.) Letters must contrast with the sign's background color, 49 CFR Part 38.27).

The (2) after and the (2) forward restraints shall be securely anchored to the vehicle seating components or to anchor floor points and all belts shall be retracted back into their cases for storage, organization, and cleanliness when not in use. Distance between the two anchor points shall be 48" minimum. The location of the rear belts shall be positioned to allow the driver to secure the wheelchair frame between the rear wheelchair wheels. All belts and belt anchor points shall be strong enough to comply with FMVSS 210 and FMVSS 222.
The wheelchair occupant restraints shall be FMVSS Type II (combination lap and shoulder belt) with an adjustable height shoulder belt featuring a single-point release buckle for quick release at hip point. All belts shall feature positive locking mechanisms to ensure passenger security.
Include one set of the following (or combination of to make one complete occupant restraint set) Sure-Lok AL700842, FE 200637-020-05 and FE 200732 for each wheelchair position.

Easy to secure and release torso pads which encompass both the wheelchair and occupant and a 20" lap belt extension shall be included for each wheelchair position. All securement devices and lift area designs will meet ADA requirement 49 CFR 38.23.

8. Air Conditioning, Heating, Defrosting and Cooling - Front and Rear

Heating and Defrosting - The high out-put heating system shall consist of front units to provide heat in the driver's, the entranceway and surrounding area. Underseat units shall provide for passenger comfort in the rear compartment. They shall be floor mounted and provide a minimum of 45,000 BTU's. Rear unit will be floor or wall mounted and located near the center of the passenger rear compartment behind the rear wheel wells. No non-OEM heaters will be mounted in front of the passenger compartment. Mounting will not interfere with any wheelchair or occupant securement devices.

An integral defrosting and defogging system shall keep the windshield and all windows free of frost and condensation.

The system shall be supplied with hot water from the vehicle engine. Shut-off valves shall be provided and easily accessed from under the hood or body and be clearly labeled.
A description of the system and the BTU output will be included with all bids.
All controls shall be installed in a panel easily accessible to the driver.

Cooling - The system shall be powered by the vehicle engine and have a rated total output capacity of approximately 65,000 BTU's. All system components (body and chassis) will be compatible with R-134A Refrigerant. All bolts used in

mounting and securement of both compressors will be a grade 5 or higher. Hoses, fittings and clamps will be constructed to meet or exceed SAE specification J2064-Type D. The construction of the clamps will be of stainless steel and will be of a quick click design (or approved equal) to ensure coupling integrity all aftermarket hoses will be nylon lined.

Free blow cool air distribution shall be mounted overhead of the passenger seats. Adjustable air outlets to control and direct the flow of cooled air shall be installed for the comfort of passengers. The rear-cooling unit shall have a capacity of at least 55,000 BTU's. This rear-cooling unit will have a 3-speed fan control switch (off, low, medium, and high). Unit will be roof mounted and located of the very rear of the passenger compartment. Air circulation ducts will also be provided to give passengers in very rear of bus full comfort. Free blow units may be utilized provided they do not interfere with lift area headroom.

Chassis manufacturer's optional front air conditioning will be included. Approximately 12,000 BTU's.

This system will provide cooling in the front of the bus and have adjustable outlets for the driver to control and direct the flow of air.

The skirt-mounted condenser will be protected from debris thrown from tires by rustproof shields. There will be two, one located at the front and one located at the rear of the condenser.

All controls for fan speed and temperature shall be installed in a panel easily accessible to the driver.

For increased circulation in the driver area, a two-speed fan with a minimum diameter of 6" shall be mounted to the driver’s side wall area above the driver’s head so that it does not interfere with the driver’s field of vision. The three-position control switch will be located on the dash panel.

Roof Ventilator/Emergency Exit- A dual purpose manually operated roof hatch ventilator/emergency exit shall be installed in the roof of the vehicle at approximately the center of the passenger compartment. The hatch shall be 23” X 23” minimum and shall be installed so that when it is open and the vehicle is in motion, fresh air will be provided inside the vehicle. The hatch shall be a Transpec, Inc. Model 1000 regular profile Dual Purpose Safety vent, Transpec Model 1075 Low profile or an approved equal. Econo Model not acceptable.

Vehicle will also be equipped with a Pentax Automatic or InterMotive AFIS Fast idle control solenoid, (or approved equal). Ford factory fast idle on diesel is acceptable. Fast idle will operate under low voltage condition with parking brake set.

Heating and Cooling Certification - The supplier must certify that the heating and cooling system he proposes to use will be adequate for passenger and driver comfort based on interior dimensions and anticipated passenger load.

Ignition Cutoff - An automatic ignition body circuit cutoff for heaters, defroster, and air conditioning shall be provided.

9. Chassis and Body - Requirements and Performance
The chassis, fully loaded and equipped body, must provide proper weight distribution. The front and rear weights must not exceed the chassis manufacturer' gross axle weight rating.

Front Section, Exterior - Shall have manufacturer's standard grill; grill frame, lamp moldings, etc.
Front Section, Interior - Shall have all items regularly furnished as standard by the manufacturer.

Color-Base color is to be white.

Lights and Signals
Exterior - High and low beam headlights, parking, tail, stop, backup, front and side marker lights or reflectors, license plate, hazard warning flashers and directional signals. There will also be a reverse or back-up alarm.
Stop, tail, and turn lights will be LED design.

Interior - Instrument panel, front and rear overhead lights, and all doors. Overhead lighting activated by a dash mounted switch, shall provide lighting intensity at a reading level. All door lights and RH front door stepwell shall illuminate automatically when doors are open. All vehicles shall have Priority seating signs as required by ADA requirement 49 CFR 38.27 and red emergency exit lights that meets FMCSR (Federal Motor Carrier Safety Regulations) 49 CFR 383.92.

All interior lights shall be adequately recessed so as to not be a hazard to occupants. Interior light fixtures shall be operable with or without engine running. All interior and exterior lighting will meet ADA requirement 49 CFR 38.27.

There will be two red strobe type lights mounted on the upper rear end cap of the vehicle (not roof mounted). They will be 6” in diameter. The two red strobe lights will be activated only by a dash-mounted switch with a pilot light to indicate activation.

All interior wiring shall be insulated and covered.

Instrument Panel and Instruments - Standard panel with gauge instrumentation

for fuel, engine temperature, oil pressure, alternator, speedometer and odometer.
All switches installed by body manufacturer will be a full metal, heavy-duty type. (push pull or rocker)

Horns - Dual electric.

Mirrors, Rearview - Interior, adequate size to provide the driver a full view of the passenger area (approximate 6" x 12", 8” convex is acceptable).
Mirrors, Rearview Exterior (RH & LH) One piece or Separate – Power adjustable heated type, approximate size 7" x 10". The mirrors must be mounted so as not to obstruct the driver's front or side vision. Separate convex mirrors of 5" in diameter will also be installed (RH and LH). Also include an 8" convex mirror mounted on the leftrear corner of vehicle to allow for a view directly behind bus. All bolts will be grade 5 or higher. Mirrors will not vibrate during operation. OEM mounting is acceptable.

Windshield Wiper and Washer - Electric, two-speed with intermittent wipe and mist option.

Tilt Steering Wheel and Cruise Control - Include in your bid price.

Sun Visor - For driver.

Storage Compartment – For personal items and/or valuables, a key-lockable storage compartment will be located immediately above the driver.

Public Address System & AM-FM CD Radio with clock
An AM-FM CD and public address system shall be installed in each vehicle. The system shall consist of at least four (4) interior speakers and one (1) exterior speaker with protective screen located on the curb side of the vehicle near the passenger entrance door and flush mounted. The four (4) internal speakers shall be mounted so that announcements can be heard equally throughout the vehicle. The microphone shall be conveniently located near the driver.

Emergency Exits
At least two windows on each side of coach to be designed as an emergency exit and to be permanently labeled with adequate operating instructions. Emergency exits to meet all FMVSS and all other state and local standards. Additional exits will be provided to meet all FMVSS.
At least one combination pop open emergency hatch and ventilator shall be provided in the roof of the bus. The hatch shall be so designed that either the leading or trailing edge or entire hatch can be raised to provide ventilation. Transpec model 1000, 1075 Low profile or approved equal.

Engine - Gasoline V-8, or V-10, minimum of 275 hp, providing necessary horsepower and torque at governed R.P.M. for road speed and grade ability. The engine shall have a full flow replaceable or spin on type oil filter. The air filter shall be a dry type. The engine shall be equipped with oil cooler. Ford Chassis to include Super Duty service package.

Diesel, V-8 minimum 275 horsepower, providing necessary horsepower and torque at governed RPM for road speed and grade ability. This engine shall be equipped with a full flow replaceable spin on oil filter, dry type air filter, external oil cooler and engine block heater for cold weather operation. The engine compartment will also have extra insulation to provide sound deadening qualities along with additional passenger and driver comfort. Please include this engine option as an extra cost for each floor plan. Engine will meet 2011 emission standards.

Exhaust System- The exhaust is to be discharged out the driver's side unless doing so greatly reduces the vehicle's rear ground clearance. Exhaust may be discharged out the back/rear if doing so prevents a reduction in vehicle's rear ground clearance.

Fast Idle- Vehicle will be equipped with a Pentax Automatic or InterMotive AFIS Fast idle control solenoid, (or approved equal.) Fast idle will operate under low voltage condition with or without parking brake activation.

Cooling System - Heavy duty or maximum cooling radiator with overflow recovery reservoir and permanent type anti-freeze installed to protect the vehicle to at least 20 degrees below zero.

Transmission - Automatic, 4-speed or 5-speed with an electronic shift control, auxiliary exterior oil cooler and overdrive.

Alternator(s) - Minimum of 220 Amps cold. All mounting bolts will be grade 5 or higher. (May require dual alternators)

Batteries (2) - HD with adequate CCA and reserve capacity (Minimum 625 CCA) each for operating chassis and wheelchair lift components. One battery will be relocated so access can be gained through a door on the passenger side of the bus. Battery will be mounted on a slide out-tray to allow easy access. This tray will be sealed to prevent road debris from entering. Include an emergency battery disconnect switch located in the driver's area running board.

Steering – Power steering.

Brakes - HD power, four-wheel front and rear disc system.

Axle, Front - Minimum of 4,300 lbs. capacity.
Axle, Rear - Minimum of 8,600 lbs. capacity, ratio 4.10/1 or 4.56/1. Include Mor

Ryde, Roll Guard or approved equal.

Drive Shaft Guard(s) – One for each section. (FMCSR 393.89)

Springs, Front - Heavy-duty coil or leaf with a front stabilizer bar.
Springs, Rear - Heavy duty, leaf type, with stabilizer bar.

Shock Absorbers- Heavy duty, front and rear.

Fuel Tank or Tanks - Minimum capacity 33 gallons with outside fill spout. For diesel engines, mark diesel fuel only.

Tires and Wheels - The tires and wheels will conform to the tire and rim association standards. They will be factory installed by truck manufacturing assembly. Acceptable tire makes will be those listed as being available in the tire section of manufacturer's Truck Data Book on specification date.

Mud Flaps - For both front and rear wheels.

Running Board – Vehicle will be equipped with one 12” wide by 36” long aluminum running board mounted at the driver’s door location. It will be a minimum of 1/8” thick and will have a diamond embossed or other anti-slip design on the footing area. This running board will be securely mounted with at least 3 braces that will be made of galvanized steel to resist rust. A non-skid expanded metal will be installed on the entire step surface to prevent slipping. Diamond embossed only will not be acceptable. Running board design will allow for ample water drainage.

Tires - Tires will be a major brand, (preferably not Firestone) factory installed, metric sized, and meeting manufacturer's specifications and GVW requirements. Seven (front, dual rear and spare), approximate size LT 225/75R 16E, 10 PR, blackwall tubeless or tube type highway tread. Spare tire and wheel will be furnished. Spare tire is to be permanently mounted under vehicle. All tires including spare to meet or exceed GVW requirements, and be of radial design. A jack (rated for vehicle GVW) and all tire changing tools will be included with vehicle. All tire changing tools will be securely mounted anywhere in the passenger compartment, as long as it does not impede operation or safety. The jack and tire tools may be chassis supplied OEM.

Wheels - seven (7) disc with size and capacity to match load-carrying requirements of tire to vehicle.

Bumpers - Front and rear.

Undercoating - The entire body under structure shall be covered with a heavy, long lasting undercoating material. Automotive quality undercoating will not be

acceptable. This undercoating will meet FMVSS 302 for flammability.

Safety Equipment - New unit to have all the latest standard safety equipment required by laws and regulations.

Destination Signs -The vehicle is to be equipped with TwinVision Mobilite all LED front and curb side electronic destination signs. The front destination sign shall have twelve (12) alphanumeric characters (minimum), each a minimum of nine and one-half (9 1/2) inches high and four and one-half (4 1/2) inches wide. Each display shall be a minimum of three-fourth (3/4) inches high and one-half (1/2) inches wide. The length of the display area shall be a minimum of sixty-seven (67) inches.

The curb side destination sign shall be located on the right side near the front door and capable of displaying the same information as presented on the front sign (12 alphanumeric characters). The character height to be a minimum of 2.7 inches high

Emergency Equipment - A fire extinguisher certified for this type vehicle (minimum 5 lb. 10-BC type) and a 16-unit first aid kit with contents recommended for this type and capacity vehicle shall be provided. Three reflective bi-directional triangles with 3 LED warning lights (Tri-Alert or approved equal) shall also be provided. These emergency items shall be securely mounted in the driver area and easily accessible. Also include an assortment of spare fuses used in chassis and body components along with an emergency seat belt cutter.
Each vehicle will have a blood borne disease kit including the following items:
A. Latex gloves
B. CPR mask
C. Goggles
D. Apron
E. Disinfectant wipes
F. Absorbent and scoop
G. I.D. tag and red plastic bag
All first aid and blood-borne disease kits will be packaged in a durable hard plastic or metal case.

10. **The following shall be furnished and included with your bid:**

Copy of the most recent Altoona Test Report.
All bidders shall describe and furnish a complete detailed listing of the vehicle, requested drawings and modifications of the equipment they propose to furnish.
A detailed drawing, showing interior floor plan, dimensions and seating arrangements shall be included.
A detailed drawing of vehicle exterior or photos of similar vehicle shall be included with bid.
A SCHEMATIC OF ANY INSTALLED WIRING SHALL BE FURNISHED

WITH EACH VEHICLE
A guarantee that the chassis manufacturer's warranty will be in effect at the time of delivery and acceptance.
A copy of the manufacturer's bumper to bumper warranty as well as copies of all major components.(heating and cooling assemblies, engine, transmission, wheelchair lift and alternator) Warranty terms on these components to be a minimum of 2 years, or 24,000 miles.
Priority seating signs that meet ADA requirement 49 CFR 38.27.
FMVSS 210 Seat Certification.
Descriptive literature and detailed specifications for lift system.
Description of air-conditioning, heating and defrosting system and BTU output.
Certification of adequacy of heating and cooling systems.

11. **To be furnished with each vehicle at time of delivery**
A. (2) copies of the operator's manual for the basic chassis and other systems.
B. (2) copies of the parts book and maintenance manual for add on equipment used in modification.

12. Color
Exterior - White

Interior - The interior trim, upholstery, seat belts, visors, and etc., will be selected at the time purchase orders are issued.

13. Advertisements- Decals and all other forms of dealer advertisements will not be allowed.

14. Exceptions to specifications must be clearly noted and included with your bid for consideration.

15. All hardware to attach folding seats to the floor shall be recessed to prevent tripping and stumbling.

16. The bidder will supply with the bid, the following items:
A. An itemized list of domestic produced parts or components used in the manufacturing of the vehicle.
B. The estimated cost for each item.
C. The estimated total percent of domestic components used in manufacturing of the vehicle.

17. Floor Plan Descriptions
Exhibit A - this plan consists of (3) stationary two-passenger forward facing seats and (3) folding two-passenger forward facing seats allowing for a total ambulatory capacity for 12 adults and (2) wheelchair positions. The floor plan allows total ambulatory capacity for 6 adults and (4) wheelchair positions when folding two-passenger seats are retracted.

If there is a conflict between the written specification and the floor plan diagram, the written narrative controls. The floor plan diagram controls the design.
NOTE - All folding or fold-a-way seats will be two passengers.

18. Bidder will supply a vehicle that meets all Federal Motor Carrier safety Regulations.

19. Vehicle will be checked for proper front-end alignment before delivery.

CITY OF JOPLIN

BID FORM

DESCRIPTION:

Manufacturer: _____

Model: _____Year:_____

Fuel Type:_____

BID PRICE/DELIVERED

$_____

F.O.B. JOPLIN, MISSOURI

COMPLETION TIME AFTER RECEIPT OF ORDER: _____DAYS

COMPANY_____

ADDRESS_____

_____

SIGNATURE_____

TELEPHONE_____

EMAIL_____

MBE_____WBE_____

MARK BID ENVELOPE: "BID # 2017-11 PURCHASE OF LIGHT DUTY CUTAWAY TYPE VEHICLES 10:30 A.M. APRIL 26, 2017"