



**REQUEST FOR PROPOSAL
for
MOBILE LIBRARY PURCHASE
PIKES PEAK LIBRARY DISTRICT
Colorado Springs, CO**

RFP # 430-23-01

The Pikes Peak Library District (PPLD) in Colorado Springs, Colorado is seeking proposals from qualified specialty vehicle upfitters to construct a mobile library (Bookmobile) to be used for library purposes.

Proposal deadline is **2 p.m. MST on Monday April 17, 2023**

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1. Terms & Condition

- 1.1. Purpose: PPLD is seeking proposals from qualified vendors to construct a mobile library to be used for library purposes. Qualified firms must have verifiable experience in building a bookmobile and assembling accessories in accordance with the Pikes Peak Library District's specifications and conform to the best practices in the industry.

Vendors must be able to certify they have the capabilities and resources to provide all services outlined in the scope of work for this project.

This project is targeted for Spring of 2023.

- 1.2. Interested Parties: All interested vendors that have the qualifications as stated herein and are licensed to operate within El Paso County and the State of Colorado, are invited to submit a proposal in accordance with the terms, conditions, and specifications contained herein. An electronic version of this document can be accessed at: <http://ppld.org/request-for-proposals>.

- 1.3. Sole Point of Contact:

All contractual questions and requests for clarification must be sent via e-mail to Lisa Ward, Mobile Library Services Manager, at lward@ppld.org and Cc: khoggat@ppld.org; gsyling@ppld.org.

All technical questions and requests for clarification must be sent via e-mail to Michael Swendrowski, Specialty Vehicle Services, at mwendrowski@vehiclesuccess.com and Cc: khoggat@ppld.org; gsyling@ppld.org.

Please include the RFP number, title, and words "question" and/or "clarification" in the subject line of the e-mail.

Questions and requests without this subject identification may be considered routine emails and may not be properly addressed.

All answers to questions and requests for clarification will be posted on the PPLD website: <http://ppld.org/request-for-proposals>.

Any PPLD response that is considered to be a change in terms, conditions, and specifications of this RFP will be published as an addendum. No communications of any kind may be considered as a change to the terms, conditions, and specifications in this RFP unless posted as a formal addendum on the link above.

- 1.4. Equal Opportunity: The Contractor agrees not to refuse to hire, discharge, promote, or demote, nor to discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, marital status, or physical or mental disability.

- 1.5. Expenses: PPLD assumes no liability for payment of expenses incurred by proposers in the preparation and submission of proposals in response to this invitation.

- 1.6. Conflict of Interest: Bidder shall promptly disclose in writing to the appropriate representatives of Pikes Peak Library District any actual or potentially perceived conflicts of interest (collectively, "Conflicts of Interest") that may affect the integrity of the bidding process. The appropriate disclosure shall take into consideration the nature of the Conflict of Interest; (e.g., a Conflict of Interest involving the Chief Executive Officer should be disclosed to the Board of Trustees). Pikes Peak Library District is generally subject to the Standards of Conduct set forth in C.R.S. §24- 18-101 et. seq., and the determination of Conflicts of Interest shall take into consideration such guidance. Upon identification of any such Conflict of Interest, Bidder and Pikes Peak Library District shall each take appropriate steps, if possible, to protect against any improper influence resulting from such Conflict of Interest (e.g., requiring recusal of a conflicted individual from the decision-making process) and to comply with applicable law. No individual associated with Bidder shall offer, and no individual associated with Pikes Peak Library District shall solicit or accept, any gift, gratuity favor, entertainment, kickback, or any items of monetary value from any person who has or is seeking to do business with Pikes Peak Library District.

- 1.7. Independent Contractor: Independent Contractor. The Vendor is an independent contractor. Notwithstanding any provision appearing in this RFP, all personnel assigned by the Vendor to perform work under the terms of this RFP and any subsequent agreement shall be, and remain at all times, employees or agents of the Vendor for all purposes. The Vendor shall make no representation that it is the employee of PPLD for any purpose.
- 1.8. Immigration Clause: The Vendor is aware of Colorado’s Immigration /Illegal alien laws pertained to public contracts. Addendum B - Immigration Clause for Contracts (Colorado Statute 8-17.5-102) must be signed and attached.
- 1.9. General Requirements: PPLD reserves the right to amend this RFP up to seven (7) business days prior to the date set for receipt of proposals. In addition, PPLD may extend deadlines or withdraw this RFP at any time prior to an award.
- 1.10. Tax Exemption: PPLD, as a local government entity, is exempt from sales and use taxes. Vendors will inform all prospective subcontractors and suppliers, as necessary, from whom they expect to obtain services or supplies of the tax-exempt status of PPLD. Following the contract award, PPLD will furnish tax exemption certificate(s) to the Vendor.
- 1.11. Governing Law: The laws of the State of Colorado shall govern any contract executed between the successful proposer and PPLD. Further, the place of performance and transaction of business shall be deemed to be in the County of El Paso, State of Colorado, and in the event of litigation, the exclusive venue and place of jurisdiction shall be the State of Colorado, and more specifically, El Paso County, Colorado.
- 1.12. RFP Schedule:
 - RFP released..... Friday, 17 March 2023
 - Deadline for final questions..... Friday, 24 March 2023
 - Deadline to return answered questions Monday, 27 March 2023
 - Proposals due..... Monday, 17 April 2023 at 2:00pm
 - Board Review and Decision Wednesday, 17 May 2023
 - Award Notification..... on or about Friday, 19 May 2023
- 1.13. Open Records Act Disclosure: Pikes Peak Library District is subject to the Colorado Open Records Act, which permits public access to most records and documents including Bidder's RFP response and any contract resulting from this RFP process. Confidential proprietary information in Bidder's response must be clearly identified as "Confidential and Proprietary," and preferably should be contained completely in a separate Appendix so marked. Proposals may not be marked "Confidential and Proprietary" in their entirety. Information considered confidential and proprietary is generally limited to information that Bidder consistently treats as confidential that constitutes trade secrets, privileged information, and confidential commercial, financial, geological, or geophysical data. Pikes Peak Library District will use reasonable commercial efforts to preserve the confidentiality of the portion of Bidder's materials expressly marked as "Confidential and Proprietary," but it cannot guarantee that Bidder's designations will be respected in a legal challenge. Pikes Peak Library District reserves the right to require additional evidence that the information so marked is Confidential and Proprietary. Pikes Peak Library District may also reject in good faith Bidder's designation of information as Confidential and Proprietary, in which case Bidder may accept such determination or alter such information in light of such determination

2. Proposal Submission, Selection, and Contract Formation

2.1. Proposal Submission

- 2.1.1. Substantive proposals: By submitting a proposal, the proposer guarantees that (a) its proposal is genuine and is not made in the interest of, or on behalf of, any undisclosed person, vendor, or corporation; (b) it has not directly or indirectly induced or solicited any other respondent to put in a false or sham bid; (c) it has not solicited or induced any other person, vendor, or corporation from proposing; (d) it has not sought by collusion to obtain for itself any advantage over any other proposer or over PPLD.

- 2.1.2. Submission Information and Documents: The proposal must be comprehensive and address all RFP requirements. To assure that the information provided can be readily identified, the proposal must include, but not limited, to the submission of the following signed documents:
- 2.1.2.1. Addendum A - PROPOSAL COVER SHEET
- 2.1.2.2. Addendum B - CHECKLIST, QUESTIONNAIRE, AND PRICING
- Vendors are requested to submit a response for each numbered or lettered item of Addendum B, The response must be in the same format and sequence as in the RFP. The response must include description, schedules, when required, and any additional clarifying information, such as appendices, charts, diagrams, etc..
- 2.1.2.3. Addendum C – IMMIGRATION CLAUSE FOR CONTRACTS
- 2.1.2.4. List of exceptions or deviations (if any)
- 2.1.3. Signatures: The proposal must be signed by an officer of the proposing vendor.
- 2.1.4. Exceptions and Deviations: Any exception to or deviations from these Terms & Conditions must be identified, in writing, on an attachment to the proposal submission. PPLD reserves the right to accept or reject, at its sole discretion, any exceptions or deviations by the proposer.
- 2.1.5. Integration with Contract: The winning proposal will be included and integrated into the final contract documents.
- 2.1.6. Proposal Submission: Proposals are to be submitted in sealed envelopes, identified with the proposal number and title with all attachments. See the Schedule of Events for due dates. Vendors must submit one (1) hard copies and soft copy (i.e., flash drive, magnetic media, etc.) of the Proposal to:

Pikes Peak Library District
Attn: Kim Hoggatt
Finance Office
RFP # 430-23-01
1175 Chapel Hills Drive,
Colorado Springs, CO, 80920

Additional copies may be requested by Pikes Peak Library District. Pikes Peak Library District is not liable for any cost incurred by prospective respondents prior to the issuance of contract(s).

The deadline (firm) is Monday, 17 April 2023, no later than 2 p.m. local time. Proposals delivered after that time will be received but will be rejected for being late.

A complete submission includes all required components, as stated in this document.

- 2.1.6.1. Basis of Award: An evaluation team will judge the merit of proposals received in accordance with the general criteria defined within this invitation. The recommendations of this committee will be forwarded to the Board of Trustees for approval and execution. The following criteria will be taken into consideration when making evaluations of proposals. This list is not intended to be exhaustive:
- 2.1.6.1.1. Completeness of the Proposal.
- 2.1.6.1.2. References.
- 2.1.6.1.3. Pricing.
- 2.1.6.1.4. Quality of Services.
- 2.1.6.1.5. Contractor Qualifications and History.
- 2.1.6.1.6. Any other items deemed in the best interests of PPLD.
- 2.1.7. Duration of Proposal Offer: Price offers are irrevocable for 90 days following the proposal due date. Once a proposal is accepted, all prices, terms and conditions will remain unchanged throughout the contract period unless specifically agreed otherwise by both PPLD and the successful Vendor through documented change orders.
- 2.1.8. Withdrawal of Proposal: A Proposer may withdraw its own proposal at any time prior to the proposal due date and time as identified herein. After that date and time, no proposal may withdraw its proposal

for any reason. All proposals shall be valid for a period not less than 90 calendar days after the proposal due date.

2.1.9. Information to Vendors:

2.1.9.1. No proposal shall be accepted from and no contract will be awarded to any person, vendor or corporation that is deemed irresponsible or unreliable by PPLD. If requested, Vendors will submit satisfactory evidence that they have a practical knowledge of the service bid upon and that they have the necessary financial resources to provide the proposed service called for as described in this Request for Proposal.

2.1.9.2. PPLD reserves the right to investigate and confirm the vendor's financial stability. This may include reviewing financial statements, checking bank reference, and interviewing past contractors, employees, and creditors. Unfavorable responses to these investigations are grounds for rejection of the proposal.

2.1.10. Confidentiality: All materials submitted in response to this RFP become the property of PPLD, upon delivery.

Proposals are public information. If a vendor submits proprietary information, the vendor will label each proprietary page as "CONFIDENTIAL" and submit in a separate package so PPLD will not release any information marked as Confidential.

2.1.11. Subcontracting: The Contractor must be responsible for the performance of all of its sub-contractors, sub-sub-contractors, and consultants. The use of specific sub-contractors and consultants is subject to the approval of PPLD. The Contractor is responsible for ensuring that all sub-contractors and consultants comply with all the terms of the Contractor's contract with PPLD.

If the Contractor uses subsidiary companies, explain their role and how they will be involved in this project.

2.1.12. Insurance Requirements: The successful proposer shall have, at the minimum, the following coverage: commercial general liability, automobile liability, excess liability, and worker's compensation liability. The Vendor shall submit in their proposals, ACORD certificates and/or other proof of the following insurances:

2.1.12.1. General Liability \$2,000,000

2.1.12.2. Worker's Compensation liability that meets statutory requirements.

2.1.12.3. Contractual liability assumed by the contractor under the indemnity agreement set forth below. If any of the work is sub-contracted, independent contractor's liability providing coverage in connection with such portion of the work, which may be sub-contracted, broad form property damage liability, and personal injury liability.

2.1.13. Indemnification: The proposer agrees to, and shall, defend, release, and indemnify, and save and hold harmless PPLD, its officer, agents, and employees from and against any and all damages to property or injuries to or death of any person or persons, including property and officers, employees, and agents of PPLD, and further agrees to, and shall, defend, indemnify, and save and hold harmless PPLD, its officers, agents, and employees, from and against any and all claims, costs, demands, liabilities, suits, actions, causes of action, and other legal or equitable proceedings of any kind or nature whatsoever, of or by anyone whomsoever, including, but not limited to claims arising out of and/or predicated upon negligence, breach of contract, tort, or strict liability, in any way resulting from, connected with, or arising out of the Contractor's operations or performance in connection herewith, including operations or performance of subcontractors and suppliers and acts or omissions of officers, employees, or agents of the Contractor or its subcontractors or suppliers.

2.1.14. Schedule: By submitting a proposal, the proposer guarantees that it will be able to comply with the overall schedule of cleaning at all library facilities.

2.1.15. Continuity: By submitting a proposal, the proposer will make its best efforts to ensure that the key team member(s) remain assigned to the PPLD's project for the duration of contract. Any changes to the staffing of this engagement must be discussed up front with PPLD personnel.

2.2. Selection

2.2.1. Right of Acceptance and Rejection: PPLD reserves the right to accept or reject any or all proposals and to waive any formalities, informalities, and deviations, which, in its opinion, best serve the interests of PPLD. PPLD is not bound to accept the lowest price proposal.

2.2.2. Selection: It is the intent of PPLD to select only responsible and responsive vendors. Bidder's proposal should include the most favorable terms and conditions.

2.2.3. Negotiation: PPLD reserves the right to negotiate terms and conditions of the contract with the winning vendor.

2.2.4. Basis of Award: An evaluation team will judge the merit of proposals received in accordance with the general criteria defined within this RFP. The recommendations of this team will be forwarded to the Board of Trustees for approval and execution. The following criteria will be taken into consideration when making evaluations of proposals. This list is not intended to be exhaustive:

2.2.4.1. Completeness of Proposal

2.2.4.2. References

2.2.4.3. Pricing

2.2.4.4. Quality of Services

2.2.4.5. Vendor Qualifications and History

2.2.4.6. Any other items deemed in the best interests of PPLD

2.3. Contract Formation

2.3.1. Agreement in Writing: Following selection of a proposal, the vendor will be required to enter-into a written contract with PPLD.

The winning Bidder's RFP proposal will be included and integrated into the final contract documents. It is in the Bidder's best interest to ensure the proposal is accurate to allow for the integration with minimal changes.

If you have a formal or standard contract that you typically use with such projects, please attach a copy to your Proposal. A Service Agreement is not a condition of accepting an RFP.

If, in PPLD's sole discretion, the selected proposer has not executed the contract documents within a reasonable time after selection, PPLD reserves the right to rescind the award and select another contractor.

2.3.2. Amendments to Contract: Parties hereto reserve the right to make amendments or modifications to the contract by written amendment signed by both parties.

2.3.3. Termination of Contract for Cause: If, through any cause, the successful Bidder shall fail to fulfill in a timely and proper manner its obligations or if the successful Bidder shall violate any of the covenants, agreements or stipulations of the Contract, PPLD shall thereupon have the right to terminate the Contract by giving written notice to the successful Bidder of such termination and specifying the effective date of termination. In that event, all finished or unfinished services, reports or other materials prepared by the successful Bidder shall, at the option of PPLD, become its property, and the successful Bidder shall be entitled to receive just, equitable compensation for any satisfactory work completed, prepared documents or materials as furnished. Notwithstanding the above, the successful Bidder shall not be relieved of liability to PPLD for damage sustained by PPLD by virtue of breach of the Contract by the successful Bidder and PPLD may withhold any payments to the successful vendor for the purpose of set off until such time as the exact amount of damages due PPLD from the successful Bidder is determined.

2.3.4. Termination of Contract for Convenience: PPLD may terminate the Contract at any time by giving written notice to the successful vendor of such termination and specifying the effective date thereof, at least thirty (30) working days before the effective date of such termination. In that event, all finished or unfinished services, reports, material(s) prepared or furnished by the successful Bidder under the Contract shall, at the option of PPLD, become its property.

- 2.3.5. Cancellation: Either party may cancel the Contract in the event that a petition, either voluntary or involuntary, is filed to declare the other party bankrupt or insolvent or in the event that such party makes an assignment for the benefit of creditors.

3. Scope of Work

- 3.1. General Information: This bookmobile will operate six days per week with some evening/night stops. Two PPLD staff members will always be working on the vehicle with an occasional third staff member accompanying them.

3.1.1. The specification of this project is listed in Exhibit A at the end of the RFP.

Addendum A - Proposal Cover Sheet

Addendum B - Checklist, Questionnaire, and Pricing Form

Addendum C - Immigration Clause for Contracts

Exhibit A- Specifications for New Vehicle

3.2. The successful proposer shall be required to furnish all permits, equipment, tools, machinery, transportation and other implements necessary to fulfill the provisions of this Contract. This includes but is not limited to all procurement and contracting requirement specifications included within.

3.3. All work shall be done to the highest of industry quality and standards.

3.4. Contractor shall ensure all materials and workmanship are in accordance with specifications provided in Exhibit A and shall correct all deficiencies, found not meeting such requirements.

3.5. No non-employees, employee's significant others, employee's children, or employee's pet(s) shall be permitted on the job site, by the Contractor, during the performance of this contract.

3.6 Manuals and Documentation

3.6.1. The following shall be provided for each unit at the time the equipment is delivered (unless otherwise noted):

- 3.6.1.1. One (1) line set for chassis.
- 3.6.1.2. Two (2) each technical service manuals for the chassis, generator, air conditioners and heaters
- 3.6.1.3. Two (2) each visual parts books for the chassis, generator, air conditioners and heaters
- 3.6.1.4. One (1) each operator's and maintenance manual
- 3.6.1.5. One (1) certified CO weight ticket listing front axle, rear axle and total weights. Ticket shall also notate the fuel tank level and whether a driver was aboard during the measurements.
- 3.6.1.6. Four (4) complete key sets (ignition, doors, auxiliary locks, compartments, fuel); maximum keys per set shall be five (5).
- 3.6.1.7. One (1) complete dimensional layout drawing of exterior and interior front, rear, and both sides.
- 3.6.1.8. Two (2) sets of "as built" electrical schematics accurately detailing AC and DC electrical systems used in the upfitting.
- 3.6.1.9. Drawings and schematics shall also be provided in a digital format.

3.7 New Equipment

3.7.1. Equipment shall be new (unused), and of manufacturer's current model year production and shall comply with all applicable Federal environmental, motor vehicle, and safety regulations. The conversion shall be equipped with all features and accessories considered standard for the make and model vehicle/equipment provided as well as those specifically detailed within this specification.

3.7 Quality & Standards

3.7.1. Brand names and model numbers are used throughout this document to convey desired quality levels, with the option for equivalents. The library and/or its authorized agents shall be the sole judge of whether a manufacturer's offerings are deemed equivalent for the purpose of this project, and all proposed "equivalent" or "equal" substitutes shall be expressly accepted prior to installation.

3.7.2. Conversion accessories shall be built and assembled in accordance with the specifications and shall conform

to the best standard practices in the industry at the time of construction. All dimensions, weight, and performance values shall be in accordance with SAE J732c and J742b, as last revised. The vendor will provide all systems integration and testing. All electronics will be installed, fully operational, and tested by the vendor. The vehicle shall be equipped with all features and accessories considered standard for the make and model vehicle/equipment provided.

- 3.7.3. All equipment and construction methods shall meet all applicable regulations of the Occupational Safety and Health Act (OSHA), Federal Motor Vehicle Safety Standards (FMVSS), Department of Transportation (DOT), National Electrical Code (NEC), Federal and State noise and pollution control restrictions, and all other applicable local, state and/or federal regulations in effect at the time of execution.
- 3.7.4. All workmanship, welding, and construction shall be in the best manner of the trade. Workmanship shall be subject to inspection and approval by the library and/or its authorized representatives.
- 3.7.5. Welding fillets shall have good penetration, good fusion, good appearance, and shall show no cracks or undercutting.

3.8 Guarantee

- 3.8.1. The successful vendor shall furnish a warranty stating that the equipment is suitable for the service intended in accordance with the specifications. The vendor shall also furnish the library with a minimum FULL ONE (1) YEAR BUMPER-TO-BUMPER WARRANTY and shall agree to replace and install without charge, within the warranty, any defective part, or parts not suitable for the service intended or found to be defective due to poor workmanship. The proposal will be weighted toward longer warranties and vendor is encouraged to offer, as an option, any available extended warranties with related literature and their costs. Warranty period shall start on the date the unit is put into service by the library.
- 3.8.2. All warranty work shall be completed by the vendor within a reasonable time or repaired by the vendor at the library facility. The library reserves the right to schedule and complete warranty work at a local facility of its choice if requests for resolution are not satisfied in a reasonable time frame. Vendor shall be given proper notice of such intent prior to execution and an invoice shall be forwarded to the vendor for payment.
- 3.8.3. Proposal shall list names, locations, and contact information for the nearest authorized service, parts, and warranty facilities. This list shall include facilities related to chassis, body, generator, conversion, etc.
- 3.8.4. All extended warranty options applicable to this vehicle and its components shall be listed within vendor's proposal with associated costs.

3.9. Meetings and Inspections

- 3.9.1. Vendor shall coordinate a virtual pre-construction meeting with representatives of Pikes Peak Library District within 45 calendar days of bid award to discuss technical specifications, exterior and interior dimensions, and location of equipment before construction begins and before the chassis is ordered.
- 3.9.2. Equipment/vehicle(s) may be inspected at vendor's place of business twice during the conversion process by authorized representatives of the library. The cost of these trips shall be the responsibility of the library.
- 3.9.3. If the equipment/vehicle(s) is inspected after delivery and rejected because of deficiencies, it shall be the vendor's responsibility to make the necessary corrections and re-deliver the vehicle for inspection and acceptance. Payment and/or the commencement of a discount period (if applicable) will not be made until the defects are corrected.
- 3.9.4. Library will make every endeavor to note deficiencies. However, if a variation or an omission between the vehicle and the written specifications is discovered, the contract's written specifications will prevail.
- 3.9.5. Equipment/vehicle(s) will be inspected at vendor's place of business at least once before delivery by an authorized representative of SVS for workmanship, appearance, proper functioning of all equipment and systems, and conformance to all other requirements of this specification. The costs of these trip(s) shall be the

responsibility of SVS. If deficiencies are detected, the vehicle may be rejected, and the vendor will be required to make the necessary repairs, adjustments, or replacements.

3.9.5.1. *Dependent on the severity of inspection discrepancies and/or the vehicle is not deemed adequately complete at the time of final (pre-delivery) inspection; vendor shall be responsible for all SVS costs and fees related to a re-inspection. The library shall have final decision regarding the need for a re-inspection.*

3.10. Training

3.10.1. Vendor shall provide in service training and familiarization at the time of delivery. Training shall be conducted by factory-trained personnel and shall be comprehensive enough to allow Library staff to operate and maintain the equipment provided with maximum safety and design efficiencies.

3.10.1.1. Both trainings shall occur at the time of delivery and last a total of approximately 6 hours.

4. Vendor Qualification and Information

The following information and documents must be included in submitted proposal:

- 4.1. Provide the name of the proposing vendor, address, telephone and primary contact person.
- 4.2. Include an affirmative statement that the vendor is licensed in the State of Colorado.
- 4.3. State the size of the vendor and provide a vendor history summary.
- 4.4. Your organization's qualifications and experience. If you have experience with PPLD Libraries, describe your current or past relationship. Describe any similar projects performed by your organization.
- 4.5. Provide references from minimum three (3) recent similar projects including name, telephone number and a brief statement describing their association with your vendor (e.g., other library, educational or public sector clients). References from the Colorado Front Range are also preferred.
- 4.6. Provide the resume of the person that will be assigned as the lead on this project.
- 4.7. Any other information you feel should be considered in the selection process.

5. Pricing

5.1 Minimum Services: PPLD is looking for the best-value proposal that meets the needs of the district to include all cost aspects of service.

Please include all price information in the table(s) located on Addendum B; Checklist, Questionnaire, and Pricing Form.

ADDENDUM A - PROPOSAL COVER SHEET

I. GENERAL INFORMATION

1. VENDOR NAME _____

2. ADDRESS _____

3. PHONE _____

5. E-MAIL AND WEBSITE _____

6. CONTACT _____

II. STATEMENT OF MINIMUM QUALIFICATION

I, _____ (printed name) hereby declare

that I am the _____ (title) of

_____ (name of vendor) submitting this profile and declaration, and that I am duly authorized to sign this profile and declaration on behalf of the above named vendor. All information set forth in this profile and declaration and all attachments hereto are, to the best of my knowledge, true, accurate, and complete as of the submission date.

The signer further certifies that (please initial):

- a. _____ The Vendor has carefully examined all instructions, requirements, specifications, and terms and conditions of the RFP for which this proposal is submitted. The Vendor understands all instructions, requirements, specifications, and terms and conditions of this RFP, and hereby offers and proposes to furnish the goods and services described herein at the prices, fees, and/or rates identified in this proposal, in accordance with the instructions, requirements, specifications, and terms and conditions of this RFP.
- b. _____ This proposal is a valid and irrevocable offer that will not be revoked and shall remain open for the PPLD's acceptance for a period of ninety (90) calendar days from the proposal due date.
- c. _____ The Vendor is in full compliance with all applicable federal, state, and local laws, rules, regulations, and ordinances governing business practices.
- d. _____ All statements, information, and representations prepared and submitted in this proposal are current, complete, true, and accurate.

- e. _____ Submission of this proposal indicates the signer’s acceptance of the evaluation technique and that some subjective judgments may be made by PPLD as part of the evaluation.
- f. _____ The Vendor has to provide proof of all required insurance coverage.
- g. _____ A list of exceptions and deviations (if any) is attached.
- h. _____ A proof of eligibility to operate in El Paso County and the State of Colorado is attached.
- i. _____ There have been no claims, litigation, or other issues filed or pending against our firm in the past 5 years except as listed below.

- j. _____ The Vendor is aware of Colorado’s Immigration / illegal alien laws pertaining to public contracts. Addendum C (Colorado Statutes 8-17.5 – 102) is signed and attached.

Authorized Signature

Date

ADDENDUM B - CHECKLIST, QUESTIONNAIRE, AND PRICING FORM

I. STATEMENT OF QUALIFICATIONS (Fill in or attach):

A. COMPANY'S BACKGROUND

1. General Information

- a. A brief company history, including number of years in existence,
- b. Total number of employees,

2. Details of company's financial status, stability and ownership structure.

3. Indicate whether your company has been involved in an acquisition or merger within the last five years? If so, please describe how the change has impacted your clients.

B. COMPANY'S EXPERIENCE: Please attach:

A list of all clients for whom your company built and sold a bookmobile during the last five years. Please describe any unique Features of the constructed bookmobile.

1. List of references:

Company Name: _____ Contact Name: _____
 Address: _____ Phone: _____
 Scope of service performed: _____

Company Name: _____ Contact Name: _____
 Address: _____ Phone: _____
 Scope of service performed: _____

Company Name: _____ Contact Name: _____
 Address: _____ Phone: _____
 Scope of service performed: _____

2. Pricing

Provide lump sum and unit cost information as requested. All costs stated shall be "complete": costs to include materials

as specified on the plans, labor, delivery to site, OH&P, applicable taxes, permits, and one year warranty for all materials and workmanship. Total bid shall include items listed below and all other elements indicated on the plans and in the specifications.

BASE BID \$ _____

Submittal of this bid form implies that the contractor can adequately staff and schedule all work at the required time and has the resources available to procure all required materials at the required time. All costs indicated shall be maintained by the contractor for not less than 30 days from the submittal date and shall be maintained throughout the duration of the contract after award.

II. OTHER INFORMATION

A. **Delivery / Training:** Please state if you can meet the Delivery /Training requirements.

B. **Quality Issuance**

Describe the firm's philosophy for servicing a client and commitment to customer service and quality assurance.

Please provide any other information that you feel should be considered in the selection process.

ADDENDUM C - IMMIGRATION CLAUSE FOR CONTRACTS

Pursuant to Colorado Revised Statutes Section 8-17.5-102, the Pikes Peak Library District (“PPLD”) shall not enter into or renew a public contract for services with a contractor who knowingly employs or contracts with an illegal alien to perform work under the contract or who knowingly contracts with a subcontractor who knowingly employs or contracts with an illegal alien to perform work under the contract.

Accordingly, Contractor agrees that it shall not:

Knowingly employ or contract with an illegal alien to perform work under this Agreement; or

Enter into a contract with a subcontractor for work under this Agreement that fails to certify to the Contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this Agreement.

Further, Contractor agrees that it shall comply with the following:

Contractor has confirmed the employment eligibility for all employees who are newly hired for employment to perform work under this Agreement through participation in either the e-verify program administered jointly by the U.S. Department of Homeland Security and the Social Security Administration (the “E-Verify Program”) or the department program administered by the Colorado Department of Labor and Employment (the “Department Program”).

Contractor shall not use the E-Verify Program or the Department Program procedures to undertake pre-employment screening of job applicants while the services under this Agreement are being performed.

Should Contractor obtain actual knowledge that a subcontractor performing work under this Agreement knowingly employs or contracts with an illegal alien, the Contractor shall:

Notify the subcontractor and PPLD within three days that Contractor has actual knowledge that the subcontractor is employing or contracting with an illegal alien; and

Terminate the subcontract with the subcontractor if, within three days of receiving the notice, the subcontractor does not stop employing or contracting with the illegal alien; except that Contractor shall not terminate the contract with the subcontractor if, during such three days, the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with an illegal alien.

Contractor shall comply with any reasonable request by the Colorado Department of Labor and Employment (the “Department”) made in the course of an investigation that the Department may undertake pursuant to its authority under Colorado Revised Statutes Section 8-17.5-102(5).

Authorized Signature

Date

Exhibit A- Vehicle Specifications

1.1. General Information

1.1.1 The intent of this specification is to describe the construction of one (1) 32-foot (approximate) long front-engine forward control cab step van style vehicle into a mobile outreach vehicle (“vehicle”) for use by the Pike’s Peak Library District (“Library”). The unit shall be built on a 25,900 lb. GVWR (approximate) chassis for adequate support of the van body, conversion, and diversified collection of approximately 3,500 items.

1.1.2. The vehicle described herein is intended to provide contemporary mobile library and literacy services to patrons of all ages in an operationally efficient manner. The unit will operate within a suburban/rural environment in Colorado and shall be designed and equipped to safely operate in an environment of flat paved roadways with a few hills. The unit will be kept in the library garage when not in service.

1.1.3. It is the library’s utmost goal to ensure that the bookmobile is well-equipped to operate efficiently and safely in this environment.

1.1.4. Weight loading shall be of significant concern during the conversion of this vehicle for efficiency reasons. Substantial effort has been put into the interior design with this factor in mind. Vendor is cautioned to use the lightest materials and construction methods available that will meet all specifications as described herein and make recommendations as appropriate for lightening the static load of the conversion.

1.1.5. Renewable and/or recycled materials shall be used as practical during the conversion of this vehicle.

1.1.6. The successful vendor shall furnish all materials not specifically denoted as “customer supplied”, as well as the labor to complete the conversion of the bookmobile specified herein, as shown on the attached drawings, or as required to complete and/or exceed the general intent of these specifications.

1.1.7. These specifications have been developed by Specialty Vehicle Services, LLC. (“SVS”) under contract with the library.

1.1.8. Any reference to a specific manufacturer or make or model of product not followed by "or equivalent" or "or equal" may not be substituted. The library and/or its authorized agents shall be the sole judge of whether a manufacturer’s offerings are deemed equivalent for the purpose of this project, and all proposed “equivalent” or “equal” substitutes shall be expressly accepted prior to installation.

2. VEHICLE SPECIFICATIONS

2.1. Intent

2.1.1. It is the intent of the following section to describe the type of vehicle that shall be used for the bookmobile. Accessories and construction techniques not specifically mentioned herein, but necessary to furnish a complete unit ready for immediate use shall also be included.

2.2. Type

2.2.1. The vehicle shall be a current model year Utilimaster (only) walk-in van type vehicle built on a Freightliner MT55 or equivalent chassis. The chassis, body and accessories shall be built and assembled in accordance with these specifications and shall conform to the best standard practices in the industry at the time of construction.

2.2.2. The cab chassis, body and accessories shall be built and assembled in accordance with the specifications and shall conform to the best standard practices in the industry at the time of construction.

2.3. Capacities/Dimensions

2.3.1.	Overall exterior length:	393” (approximate)
2.3.2.	Overall exterior width:	95.75” (excluding mirrors)
2.3.3.	Overall exterior height:	10’-8” (cannot exceed 11’-6”)
2.3.4.	Interior length:	288” (load space)
2.3.5.	Interior height:	81”
2.3.6.	Floor height from ground:	35” (approximate)
2.3.7.	Interior width:	93.5”
2.3.8.	Wheelbase:	250”
2.3.9.	Ground Clearance:	12”
2.3.10.	Fuel tank capacity:	40.00 gallons
2.3.11.	GVWR:	25,900 lbs. (no CDL required)

2.4. Chassis

2.4.1. 2024 or current model year Freightliner MT55 or equivalent front-engine walk-in van, set-forward front axle chassis, LH primary steering location and low-profile tires.

2.4.2. Engine

2.4.2.1. Cummins B6.7 or equivalent 220-hp engine

2.4.2.1.1. Engine shall be capable of running on #2 diesel or ultra-low sulfur diesel.

2.4.2.1.2. The engine offered shall comply with all applicable California Air Resources Board (CARB) and Environmental Protection Agency (EPA) regulations in effect at the time of order.

2.4.2.1.3. Engine oil check mounted on radiator.

2.4.2.1.4. Oil fill mounted on valve cover.

2.4.2.1.5. Frontal air intake.

2.4.2.1.6. Air cleaner, rail mounted.

2.4.2.1.7. 12V, 200-amp (minimum) pad-mount alternator.

2.4.2.1.7.1. Alternator charging circuit shall be modified to charge both main and auxiliary battery banks.

2.4.2.1.8. Two (2) group 31 12V MF, 1900 CCA threaded stud batteries.

2.4.2.1.9. Battery box mounted on outside right-hand rail.

2.4.2.1.10. Frame ground return & battery cables with eyelet connectors.

2.4.2.1.11. Electronic engine integral shutdown protection with override switch.

2.4.2.1.12. Single horizontal inboard muffler and inline SCR with tailpipe exiting at rear axle, driver's side.

2.4.2.1.13. ADC on/off engine fan clutch.

2.4.2.1.14. Remote-mounted fuel filter & fuel/water separator with heater.

2.4.2.1.15. Full flow oil filter.

2.4.2.1.16. 680 sq. in. down flow front-mounted radiator.

2.4.2.1.17. Radiator mounted surge tank.

2.4.2.1.18. Antifreeze to -34F, ethylene glycol pre-mixed 50/50 coolant.

2.4.2.1.19. Rubber coolant hoses.

2.4.2.1.20. Electric grid air intake heater.

2.4.2.1.21. 12V starter with copper contacts.

2.4.2.1.22. Air compressor

2.4.2.1.23. Regen inhibit speed threshold 5 MPH

2.4.2.1.24. Cummins engine integral brake with variable geometry turbo on/off

2.4.2.2. Transmission and Equipment

2.4.2.2.1. Allison or equivalent automatic transmission with park pawl, no PTO provision.

2.4.2.2.2. Water to oil transmission cooler.

2.4.2.2.3. Transmission oil check and fill inside engine cover.

2.4.2.2.4. Synthetic transmission fluid (TES-295 compliant)

2.4.2.3. Front Axle and Suspension

2.4.2.3.1. 10,000lb. single front axle.

2.4.2.3.2. Front wet hubs with oil bath seals.

2.4.2.3.3. Power steering with 50-degree wheel cut

2.4.2.3.4. Power steering pump.

2.4.2.3.5. Synthetic wet hub lubricant.

2.4.2.3.6. 10,000 lb. rated taper leaf front suspension.

2.4.2.3.7. Maintenance-free rubber bushings.

2.4.2.3.8. Two (2) front shock absorbers.

2.4.2.4. Rear Axle and Suspension

2.4.2.4.1. 17,500lb single rear axle.

2.4.2.4.2. Iron rear axle carrier with standard axle housing.

2.4.2.4.3. SPL 70 Dana Spicer or equivalent main driveline with half-round yokes.

2.4.2.4.4. Synthetic SAE gear oil.

2.4.2.4.5. 18,000lb rear air-ride suspension with auto dump and dual leveling valves.

- 2.4.2.4.6. Rear sway bar.
- 2.4.2.4.7. Two (2) rear shock absorbers.

- 2.4.2.5. Brake System
 - 2.4.2.5.1. Air brake system.
 - 2.4.2.5.2. Engine mounted compressor
 - 2.4.2.5.3. Wabco or equivalent hydraulic 4S/4M without traction control.
 - 2.4.2.5.4. One (1) air accessory reservoir.
 - 2.4.2.5.5. Automatic drain valves

- 2.4.2.6. Wheelbase & Frame
 - 2.4.2.6.1. 250" wheelbase.
 - 2.4.2.6.2. 5/16" X 2.81" x 9-1/8" steel frame, 50,000 PSI
 - 2.4.2.6.3. Square frame end.
 - 2.4.2.6.4. Standard rearmost cross member.

- 2.4.2.7. Chassis Equipment
 - 2.4.2.7.1. Chrome front bumper.

- 2.4.2.8. Fuel Tank and Equipment
 - 2.4.2.8.1. 40-gallon rectangular steel fuel tank, mounted between rails.
 - 2.4.2.8.2. Fuel filter/water separator with primer pump and indicator light.
 - 2.4.2.8.3. 10-gallon DEF plastic tank mounted on the same side as the fuel tank.
 - 2.4.2.8.4. Fuel filler tube shall not contain any bends that inhibit fuel flow during refueling process.

- 2.4.2.9. Tires
 - 2.4.2.9.1. Two (2) Michelin or equivalent 245/70R 19.5, 14-ply radial steer tread front tires.
 - 2.4.2.9.2. Four (4) Michelin or equivalent 245/70R 19.5, 14-ply radial traction tread rear tires.

- 2.4.2.10. Wheels
 - 2.4.2.10.1. Two (2) 19.5X6.75 8-hub pilot 5.12 inset 4-hand polished aluminum front wheels.
 - 2.4.2.10.2. Four (4) 19.5X6.75 8-hub pilot 5.12 inset 4-hand aluminum rear wheels, exterior polished.

- 2.4.2.11. Cab Exterior
 - 2.4.2.11.1. Operator station (control support) - outboard mounted with angle mounted park brake.
 - 2.4.2.11.2. Dual electric horn.

- 2.4.2.12. Cab Interior
 - 2.4.2.12.1. 5/8" heater plumbing hose - to front of chassis.
 - 2.4.2.12.2. Auto self-reset circuit breakers and fuses.
 - 2.4.2.12.3. Tilt/3.00" telescopic steering column with foot actuated pedal.

- 2.4.2.13. Instruments and Controls
 - 2.4.2.13.1. Intake mounted air restriction indicator.
 - 2.4.2.13.2. Key operated ignition switch and integral start position; 4 position off/run/start/accessory.
 - 2.4.2.13.3. Integrated speedometer message center LCD display, data linked.
 - 2.4.2.13.4. Electronic fuel level gauge contained in multi-gauge.
 - 2.4.2.13.5. Multiplexed engine coolant temperature gauge.
 - 2.4.2.13.6. Multiplexed speedometer with LCD message display, odometer (MPH).
 - 2.4.2.13.7. Engine hour meter integral to message center LCD display.
 - 2.4.2.13.8. Multiplexed engine oil pressure gauge.
 - 2.4.2.13.9. Multiplexed voltmeter.
 - 2.4.2.13.10. Multiplexed tachometer.
 - 2.4.2.13.11. Transmission temperature gauge
 - 2.4.2.13.12. 360-degree camera system with integrated dash monitor
 - 2.4.2.13.13. All driver controls shall comply with FMVSS 101

- 2.4.2.14. Miscellaneous Equipment
 - 2.4.2.14.1. Rust prevention coating - chassis.

2.5. Body

- 2.5.1. Utilimaster walk-in type body, 24' trade length (393.5" OA length), 95.75" exterior width.
- 2.5.2. 81" interior height
- 2.5.3. MT55 Freightliner or equivalent chassis.
- 2.5.4. FCCC or equivalent front hood.
- 2.5.5. Two (2) auxiliary 7.5" sq. (approx.) hood-mounted cross view convex mirrors, right and left hand sides.
- 2.5.6. Heavy duty stud profile wall posts, 16" on center
- 2.5.7. 0.10" upper/0.10 lower aluminum sidewall sheeting
- 2.5.8. Round rub rail profile
- 2.5.9. Neoprene wheel well flares
- 2.5.10. Anti-slag roof bows, 12" on center
- 2.5.11. 0.32" smooth aluminum, one-piece roof
- 2.5.12. Clearance and ID recessed LED roof lamps.
- 2.5.13. LED turn, stop and back-up lamps.
- 2.5.14. Velvac or equivalent 12VDC remote control, adjustable arm mirrors shall be installed with a control kit. Mirror heads shall be black, approximately 13"H x 8" W and feature a 50.25 sq. in. flat mirror and 22.7 sq. in. convex mirror with a 21" spherical radius.
- 2.5.15. Sloped windshield with one-piece rubber seal.
- 2.5.16. Wet arm windshield wiper system, two-speed with intermittent.
- 2.5.17. Driver and passenger front (side) windows shall be a half-slide configuration.
- 2.5.18. Removable drivers' floor for service access to transmission.
- 2.5.19. Aluminum engine cover with document holder
- 2.5.20. Cab headlining and insulation.
- 2.5.21. Aluminum extruded load space floor planks
- 2.5.22. Two (2) 32" x 80" passenger side "sedan type" mid entry (patron) doors with lowered step wells; placed per drawings.
 - 2.5.22.1. Door interiors shall be finished to complement interior.
 - 2.5.22.2. Doors shall have deep tinted safety glass upper horizontal sliding window with screen and deep tinted safety lower fixed-pane window.
 - 2.5.22.3. Doors shall utilize aluminum or stainless-steel recessed piano hinges.
 - 2.5.22.4. Step wells shall be a two or three-step configuration with minimum 11" deep treads and maximum 9" risers. Each step shall incorporate heavy-duty, slip resistant commercial rubber step tread reinforced with aluminum back. The front edge of each tread shall incorporate a 2" safety yellow edge.
- 2.5.23. One (1) high quality electric-operated auxiliary step shall be installed at each side doorway.
 - 2.5.23.1. Height of steps shall be consistent with the overall staircase run for smooth patron entry/egress. All steps (including the interior step well) shall be of equal height (+/- 1/4"), except for the first (auxiliary) step, as measured from ground level.
 - 2.5.23.2. Steps shall be finished with a non-skid surface and a safety yellow, non-skid front strip.

- 2.5.23.3. Steps shall include a local defeat switch, and automatically retract when the vehicle ignition is engaged.
- 2.5.24. High-output 40,000 BTU heater/defroster with dash-mounted automotive type heater controls.
- 2.5.25. Rear back-up alarm, 112db, installed behind rear axle.
- 2.5.26. Driver and passenger air suspension seats shall be high back, deluxe type seats with adjustments for fore/aft, height and recline.
 - 2.5.26.1. Driver and passenger seats shall swivel, but only lock in the forward "driving" position (no lock toward desk position).
 - 2.5.26.2. Seats shall include FMVSS approved and installed, three-point seat belt systems. Driver's side shall include an easily detachable shoulder strap to allow ease of rotation.
 - 2.5.26.3. Seats shall meet FMVSS302 flammability standards. Fabric/finish shall be selected by the Library.
 - 2.5.26.4. Seats shall be positioned and installed to allow drivers varying in size from 5'0" tall weighing 95lbs. to 6'4" tall weighing 250lbs. to be equally comfortable in using all controls required to safely operate and maneuver the vehicle.
- 2.5.27. Illuminated license plate holders front and rear.

3. CONVERSION SPECIFICATIONS

3.1. Exterior

- 3.1.1. Patron doors shall be configured with the following:
 - 3.1.1.1. One (1) LCN4040XP or equivalent door closer withhold-open detent each to control the movement of the door.
 - 3.1.1.2. One (1) heavy-duty, cast aluminum, positive hold-open device. Device shall be attached to the vehicle in a manner consistent with the intended use and lifetime of the vehicle and hold the door at approximately 160 degrees.
 - 3.1.1.3. One (1) interior pull handle to assist in closing the door.
 - 3.1.1.4. One (1) Yale push-bar "classroom" or equivalent entrance latch shall be installed. Latch shall include provisions to temporarily compress the bar for "free swing" (non-latching) operation at stops.
 - 3.1.1.5. One (1) Yale 112 series or equivalent heavy-duty "deadbolt" latch shall be installed, in addition to the main latch, keyed alike to the entrance latch and second door.
 - 3.1.1.6. Four (4) 1.25" diameter stainless steel handrails each to provide solid entry/egress assistance.
 - 3.1.1.6.1. One (1) 36" approximate length handrail shall be installed vertically on the exterior, just aft of the door.
 - 3.1.1.6.2. Two (2) angle-mounted handrails shall be installed one (1) each side of the step well.
 - 3.1.1.6.3. One (1) angle-mounted handrail shall be installed to the interior of the door below the upper window.
 - 3.1.1.7. One (1) premium quality, electric-operated single auxiliary step or approved equal shall be installed beneath each step well.
 - 3.1.1.7.1. Height of deployed steps shall be consistent with the overall staircase run - for smooth patron entry/egress.
 - 3.1.1.7.2. Height of retracted steps shall not impede clearance requirements of section 2.3.9.
 - 3.1.1.7.3. Step shall be finished with a non-skid surface and a safety yellow, nonskid front strip.
 - 3.1.1.7.4. Step shall operate with the condition of the door and include a local switch to allow the unit to be kept extended, but still retract when the vehicle engine is started.
 - 3.1.1.7.5. Step shall be installed to allow for ease of frequent replacement without special tools or equipment.
- 3.1.2. Three (3) 14" x 22" single dome translucent white acrylic skylights shall be installed with white PVC interior trim.
 - 3.1.2.1. Skylights and installation shall be consistent with the intended lifecycle of this vehicle and be warranted against leaking for a minimum of 5 years.

- 3.1.3. One (1) generator compartment shall be installed street side to mount and enclose the

- generator. Generator mounting shall be configured to allow easy access to the unit for service, as well as easy removal of the unit for overhauls. This compartment shall be located on the driver's side, fully beneath the floor (no interior protrusion).
- 3.1.3.1. This compartment MUST maintain a minimum 12" ground clearance but shall not protrude through the cabin floor.
 - 3.1.3.2. Compartment structure shall be designed of adequate strength to hold the weight of the generator and have superior corrosion protection for longevity.
 - 3.1.3.3. Door(s) shall be constructed of aluminum and hinged with ¼" pin stainless steel continuous hinges.
 - 3.1.3.4. Doors shall have locking, positive "compression" style, "slam latch", or approved equal latches and a door hold-back device.
 - 3.1.3.5. Doors shall be keyed-alike with other exterior compartments.
 - 3.1.3.6. Doors shall include weatherstripping to reduce vibration.
 - 3.1.3.7. Compartment ceiling shall be insulated with Glacier Bay Barrier Ultra dB Flex and Panel or equivalent acoustical insulation.
 - 3.1.3.8. Compartment shall be ventilated to allow ambient heat escape, but adequately sealed to protect the generator from road debris and dust.
- 3.1.4. One (1) auxiliary battery compartment shall be installed curbside to house the auxiliary battery bank. Compartment shall contain a slide tray with positive latch and hold downs for ease of battery maintenance. Tray shall be lined with an isolation material to help prevent battery corrosion.
- 3.1.4.1. Compartment shall be constructed of aluminum or equivalent materials.
 - 3.1.4.2. Door shall be constructed of aluminum and vertically hinged with ¼" pin stainless steel continuous hinges.
 - 3.1.4.3. Door shall have locking, positive "compression" style, "slam latch", or equivalent latches
 - 3.1.4.4. Doors shall be keyed-alike with other exterior compartments.
 - 3.1.4.5. This compartment shall be sealed to prevent moisture penetration.
- 3.1.5. Two (2) general storage compartments shall be installed below the floor line.
- 3.1.5.1. Compartments shall be constructed of aluminum or equivalent materials.
 - 3.1.5.2. Doors shall be constructed of aluminum and vertically hinged with ¼" pin stainless steel continuous hinges
 - 3.1.5.3. Doors shall have locking positive "compression" style, "slam latch", or equivalent latches.
 - 3.1.5.4. Doors shall be keyed-alike with other exterior compartments.
 - 3.1.5.5. These compartments shall be sealed to prevent moisture penetration.
- 3.1.6. One (1) 26"T x 26"W (approximate) high-quality window shall be installed in the side wall as depicted in the preliminary drawing.
- 3.1.6.1. Window shall be a "half-slide" configuration with fiberglass screens.
 - 3.1.6.2. Window shall be dark tinted.
 - 3.1.6.3. Window shall be emergency egress type.
 - 3.1.6.4. All glass furnished shall be automotive approved safety type. All glass shall be safety glazed and meet DOT GMVSS 205, SAE recommended practice J673b and J674a, and ANSI "Safety Code for Safety Glazing Materials" Z26.1-1977 as supplemented by Z26.1a-1980.
- 3.1.7. Compartments, doors, and appropriate added components shall be finished to match the OEM body exterior color.
- 3.1.7.1. Additionally, where the vehicle is cut or modified, or additional fabricated components are added to the exterior, exposed metal shall be properly prepared and painted to match vehicle exterior color.
 - 3.1.7.2. Panels shall be properly cleaned and prepared for paint application in accordance with standard commercial practice and to requirements of the construction materials involved. Surfaces shall be properly cleaned and inspected before cover materials are applied.
 - 3.1.7.3. The prepared surfaces shall be spray primed with synthetic base primer, which contains corrosion resistant pigments and resins. Extra coats shall be applied around moisture catching moldings, etc. All hidden areas such as overlapping metal, underside of moldings, underside or rubber extrusions at windows shall be cleaned and primed and where necessary and caulked with sealing compound during construction.

- 3.1.7.4. DuPont or equivalent paint shall be applied to all areas of the metal. Each coat shall be properly dried and evenly sanded before the following coat is applied. "Orange peel" surfacing will not be acceptable.
- 3.1.8. Lumar or equivalent UV Shield window film shall be applied to the vehicle windshields and driver/passenger area front windows (those that cannot be dark tinted) to provide 99.9% protection from harmful UV and UVB rays. Film shall be virtually clear, legal for use in automotive applications in all 50 states, and have a lifetime warranty against bubbling, peeling or cracking.
- 3.1.9. Vehicle shall have a "mid" level vinyl graphics package in addition to the base paint. Vendor shall indicate organization or persons that the library will work with in the development of this graphics scheme
 - 3.1.9.1. Vendor shall include a \$10,000 allowance for the development, printing, and installation of this graphics package within their proposal.
 - 3.1.9.2. The library shall approve the final design prior to printing and installation.
- 3.1.10. Vehicle underbody shall be fully undercoated with rubberized spray to provide additional sound resonance dampening and underbody insulation protection.

3.2. Interior

- 3.2.1. The vehicle interior shall be designed to accommodate a collection of approximately 3,500 items, which includes but is not limited to books of various sizes, DVDs, CDs, oversized materials of odd shapes, magazines, etc.
- 3.2.2. Since this unit is a mobile library and literacy vehicle, and a quiet environment is most important in the successful operation of any library, all interior finishes shall contribute to absorbing ambient sounds. Appropriate panels, ceiling and flooring shall have superior acoustic qualities in addition to durability and aesthetics. Sound control measures shall comply with the Occupational Safety and Health Act (OSHA) sound level (dbA) requirement in effect at time of award of contract, for an eight (8) hour maximum operator exposure time; measured at operator's ear with engine at governed RPM.
- 3.2.3. Completed unit shall utilize environmentally conscious "green" elements wherever practical, including, but not limited to energy efficient technologies and recycled and/or sustainable construction materials.
- 3.2.4. Weight loading shall be of significant concern during the conversion of this vehicle for efficiency reasons. Substantial effort has been put into the interior design with this factor in mind. Vendor is cautioned to use the lightest materials available that will meet all specifications as described herein and make recommendations as appropriate for lightening the static load of the conversion.
- 3.2.5. Vehicle ceiling and walls, shall be insulated with 1.5" nominal thickness rigid dense foam board insulation or approved equivalent.
 - 3.2.5.1. Insulation board shall be carefully trimmed during installation to provide maximum insulation values
 - 3.2.5.2. Vehicle floor structure shall be insulated from beneath with 2" (minimum) nominal thickness spray foam insulation or approved equivalent.
- 3.2.6. Floor covering shall be commercial-grade wood grain plank vinyl or equivalent.
 - 3.2.6.1. Covering shall have a 10-year minimum wear warranty
 - 3.2.6.2. Sub-flooring shall be properly prepared prior to installation of the floor covering.
 - 3.2.6.3. Flooring shall be installed in a manner consistent with the manufacturer's recommendations
 - 3.2.6.4. Any flooring remnants remaining from the installation shall be shipped loose with the completed vehicle.
 - 3.2.6.5. The library will select the exact color and pattern of the flooring from vendor's selections, to coordinate with other interior color choices.
- 3.2.7. Interior walls shall have a ½" plywood substrate adhered to the body structure and finished with materials selected by the library from manufacturer's standard offerings.
 - 3.2.7.1. Interior walls shall be covered with a 1/4" layer of cork, and then covered again with tight woven or Velcro friendly fabric. The finish of these panels shall be chosen by the library from manufacturer's standard selections.
 - 3.2.7.2. Wall structure shall allow for the widest interior aisle feasible when all components are

installed.

- 3.2.8. Ceiling shall be finished with eco-friendly, soft, sound absorbing materials chosen by the library from manufacturer's selections.
- 3.2.9. Two (2) infinitely adjustable fabric honeycomb shades shall be installed; one (1) each on the driver and passenger front windows.
- 3.2.9.1. Shade color shall be chosen from manufacturer's standard selections.
- 3.2.10. One (1) mechanical cabinet shall be fabricated over the vehicle windshields.
- 3.2.10.1. Cabinet shall house AC and DC electrical distribution equipment as well as specified control panels and the AM/FM stereo.
- 3.2.10.2. Cabinet shall be finished to compliment the interior.
- 3.2.11. Fabric-covered cork bulletin boards shall be installed throughout the vehicle where feasible, including, but not limited to, above the door(s) and all overhead cabinet doors. Number and size of bulletin boards furnished shall be determined by the exact configuration of interior. Bulletin boards shall be as large as possible and installed where space is available inside the coach. Fabric shall be chosen by the library from manufacturer's standard selections.
- 3.2.12. Two (2) fixed sitting height staff desks shall be furnished and installed per finalized plans. Desks shall be constructed of furniture grade plywood or equivalent. Work surface shall be finished with high-impact laminate or equivalent materials. Surface shall be bonded to a substrate and installed to allow easy removal and replacement as these surfaces experience excessive wear and tear.
- 3.2.12.1. Desks shall be appropriately configured for installation of technologies by the library, including cable pass-through grommets and defined wire paths from desktop to other locations as designated.
- 3.2.12.2. Desks shall have a finished height of 30-34".
- 3.2.12.3. Front desk shall include a 3-drawer cabinet below the worksurface, to the outboard side of the desk.
- 3.2.12.3.1. Drawers shall include positive latching mechanisms
- 3.2.12.4. Desks shall have an 8" height (minimum) opening at the bottom of the modesty panel for heat circulation.
- 3.2.12.5. Desks shall each have an 18" flip-up extension per preliminary drawings.
- 3.2.12.5.1. Extension shall utilize extra heavy-duty hardware for support and include provisions for securing it when in the relaxed (down) position.
- 3.2.12.6. Desks shall include a keyboard/pencil drawer below the work surface. Drawers shall include a positive latching mechanism.
- 3.2.12.7. The finalized design and placement of the desks shall be approved by the library prior to fabrication and installation.
- 3.2.13. One (1) high quality rolling task chair shall be provided for the rear workstation.
- 3.2.13.1. Chair color/finish shall be selected by the library from manufacturer's standard selections. 5.2.13.2. Chair shall include a method to easily secure at desk for transport.
- 3.2.14. One (1) closet shall be constructed per the preliminary plans. Closet shall no shelves and a locking fabric covered cork door.
- 3.2.15. One (1) cab area worktable shall be constructed on the passenger side of the cab. Worktable shall be designed to provide maximum utilization of the area above the engine cover, but below the windshield.
- 3.2.15.1. Worktable shall be finished to compliment the desks and general interior.
- 3.2.16. The passenger side wheel box shall be kept at minimal height, boxed with plywood and finished with carpet chosen by library from manufacturer's standard selections.
- 3.2.17. The driver's side wheel box shall be finished as a bench seat with storage beneath.
- 3.2.17.1. Plywood box shall rise above the wheel box to a height of approximately 15".
- 3.2.17.2. Plywood box shall be finished with the same carpet as the passenger side, but include a padded vinyl seat cushion finishing at approximately 18" off the floor.
- 3.2.17.3. The box lid and/or seat cushion shall be hinged to lift in the front, to access the storage

space within.

3.2.17.3.1. All upholstery shall be of heavy-duty, stain resistant cloth or fabric that meets or exceeds FMVSS flammability requirements. The color shall be chosen to complement the other interior colors by the library.

3.2.18. Two (2) flanged aircraft style L-track cargo tie-down tracks shall be recessed into the interior floor per the preliminary drawing(s).

3.2.18.1. Tracks shall be securely mounted to the floor structure for maximum load rating.

3.2.19. An Acore Shelving & Products, Inc. aluminum shelving system shall be supplied and installed.

Shelving components shall be powder coated after assembly where possible using coatings containing no lead or lead products. All components shall be constructed from superior grade lightweight materials and be built to withstand the unique stresses imposed by a mobile environment. The shelving layout shall be designed to accommodate approximately 3,500 items, which includes but is not limited to: books of various sizes, DVDs, CDs, videos, books on CD, oversized materials of odd shapes, magazines, etc. All shelving running along the sidewalls of the vehicle shall tilt back 15 degrees. The completed modular shelving system shall include the following components:

3.2.19.1. Nineteen (19) one-piece aluminum slotted shelving uprights, set at 36" and 24" centers (only).

3.2.19.1.1. Uprights shall be secured to sidewalls in a manner consistent with the anticipated stresses that will be imposed and expected lifecycle of this vehicle.

3.2.19.1.2. Uprights shall be properly installed per manufacturer's instruction for smooth operation, including but not limited to ensuring centerlines are accurate (36" +/- 1/16" typical), uprights are plumb, and lateral alignment is true the entire length of each section.

3.2.19.2. Sixty-four (64) Acore 7" deep wall shelves with aluminum center and integral 15° slope.

3.2.19.3. Four (4) Acore 9" deep wall shelves with aluminum center and integral 15° slope.

3.2.19.4. Two (2) Acore 9" double DVD shelves.

3.2.19.5. One (1) Acore face-out magazine rack.

3.2.19.6. One (1) Acore 24" wide flat shelf, sized to accommodate the microwave oven.

3.2.19.7. Two (2) Acore double-sided "wall hugger" book cart with six (6) 7" shelves.

3.2.19.8. Seven (7) Acore single-sided "wall hugger" book carts with three (3) 7" shelves.

3.2.19.9. Nine (9) Acore "Wall Security Units", to allow locking of wall hugger, worktop, and book return carts to the upright system.

3.2.19.10. Two (2) modular overhead cabinets shall be fabricated and installed per finalized plans.

3.2.19.10.1. Cabinets shall include lockable, top hinged fabric covered cork door, with mechanical stays, per final design.

3.2.19.10.2. Cabinets shall include one (1) interior adjustable shelf and cable grommets in the base panel for future wiring

3.2.19.10.3. Cabinets shall have a lower, open shelf for placement of printers and other peripherals. This shelf shall contain a cable grommet for easy technology connection.

3.2.19.11. Vehicle shall be configured as depicted in the finalized drawing upon delivery. Any remaining components (extras) of this system shall be shipped loose with each vehicle.

3.2.19.12. System shall include two (2) full sets of shelf label color strips, colors to be determined.

3.2.19.13. System shall be powder coated for maximum durability; color to be chosen by the library from vendor's standard color selections.

3.2.20. Finish, cabinetry, and shelving installation shall provide the maximum aisle width feasible.

3.2.21. Final configuration of the interior shelving and cabinetry shall be subject to approval of the library prior to installation.

3.3. Electrical System – AC

3.3.1. System shall be a 120/240-volt rated, single-phase type system designed to provide and distribute electrical power at a level of performance that meets the requirements of all components and/or accessories utilizing such power throughout the vehicle.

3.3.1.1. System furnished shall be designed and installed to meet all requirements of the National Electrical Code (NEC), with all system components, accessories, plugs, receptacles, switches, and circuit breakers being Underwriter's Laboratories (UL) listed and approved.

3.3.1.2. System furnished shall also meet all applicable state code requirements and regulations

- pertaining to the design and installation of AC electrical systems.
- 3.3.2. All AC wiring shall be installed using multi-stranded, multi-conductor flexible armored, THHN (in non-metallic conduit), or boat rated cable; 600 volts rated, UL approved or equivalent. All wire shall be color-coded and grounded throughout the system. Aluminum wire is not acceptable due to its history of involvement in electrical system fires. Since the body and chassis of a motor vehicle is constantly flexing in torsion when in use, fixed type conduit is not acceptable due to the long-term potential electrical shorting and the resulting potential of fire hazard.
- 3.3.2.1. Wiring and harnesses shall be installed in easily accessible locations to aid long-term serviceability and maintain a minimum 2" air-insulated clearance from parallel low-voltage wiring harnesses per NEMA standards.
- 3.3.2.2. All wiring shall be sized using NEMA ratings to 125% of anticipated load.
- 3.3.3. One (1) Onan 8 HDKAU/41934, 8.0KW or equivalent, 120VAC quiet diesel generator set shall be installed. Unit shall be certified by the Environmental Protection Agency (EPA) to conform to Tier 4 emissions regulations and feature Advanced Control.
- 3.3.3.1. Unit shall contain integral shut-down protection system to protect against high engine temperature, low oil pressure, loss of coolant, over crank safety, over speed, over/under voltage, over/under frequency, and auxiliary fault.
- 3.3.3.2. Unit shall draw its fuel from the main vehicle fuel tank through a separate tap that does not allow the generator to draw the fuel level below 1/8 tank.
- 3.3.3.3. Unit shall be capable of running on ultra-low sulfur B20 fuel in addition to ultra-low sulfur diesel with no modification necessary.
- 3.3.3.4. Unit shall utilize the auxiliary battery bank for starting/re-charging.
- 3.3.3.5. Unit exhaust shall exit on the driver's side. Exhaust shall be mounted as high as feasible and include a warning label reading "HOT" in large red font
- 3.3.3.6. Installation shall include an interior-mounted remote-control panel, located in the windshield cabinet. Panel shall be mounted out of sight, but within easy reach for operators.
- 3.3.3.7. Unit shall be mounted in an underbody compartment with an exterior access, ventilated aluminum door. Generator mounting compartment shall maintain a minimum 12" ground clearance.
- 3.3.4. One (1) Marinco 125/250VAC, 50A rated weatherproof twist-lock inlet shall be installed on the exterior passenger side of the vehicle, mid-body.
- 3.3.5. One (1) Marinco 25' long, 125/250VAC, 50A rated, 3-pole 4-wire weatherproof twist lock shore cord shall be provided to connect the vehicle to shore power.
- 3.3.5.1. Cord shall be one continuous length (no splices).
- 3.3.6. One (1) ATS3W50 or equivalent automatic transfer switch shall be installed to provide automatic switching between generator and shoreline power sources. Unit shall have a 24kW maximum rating and mechanical interlocks to prevent any possibility of electrical feedback.
- 3.3.7. One (1) Xantrex Freedom SW 3012, 3000w inverter/charger shall be installed to back-up the onboard "orange" receptacles and recharge the auxiliary battery bank whenever there is shore or generator power available.
- 3.3.7.1. Unit shall feature pure sine wave output and battery over-voltage and under voltage protection.
- 3.3.7.2. Unit shall include a 100A, 3-stage battery charger with manual equalize connected to the auxiliary battery bank.
- 3.3.7.3. Unit shall be controlled with a Xantrex Freedom SW 808-9002 (simplified) remote switch mounted near the front workstation, for daily, simplified use/control by Library staff
- 3.3.7.3.1. The 808-9002 remote switch trigger wire shall be connected to a power source that is only active when the master circuit breaker (ref. 3.4.7) is engaged.
- 3.3.7.4. System shall also include a Freedom SCP system control panel mounted in an accessible location within the cab-over mechanical area, for programming, monitoring and diagnostics as needed.
- 3.3.7.5. Unit shall be mounted in the cab-over mechanical area.
- 3.3.7.5.1. Length of battery cables shall be considered when calculating cable size per manufacturer's recommendations.
- 3.3.8. Install one (1) Xantrex Freedom SW Xanbus 809-0915 automatic generator start module shall be mounted in the driver's side cabover mechanical area.
- 3.3.8.1. System shall automatically activate the generator upon low battery voltage, battery state of

charge, over-current, heater or air conditioner operation.

- 3.3.9. One (1) 100A (minimum) rated Square D or equivalent distribution panel(s) shall be installed in the windshield mechanical area, per finalized design.
- 3.3.9.1. All AC electrical circuits shall be safety protected from short circuits and current overloading by UL approved resetting type circuit breakers, each properly capacity sized to the circuit they serve. A master circuit breaker that controls all AC electrical system circuits shall also be furnished.
- 3.3.9.2. Panel(s) shall be readily accessible, yet out of view of the general public.
- 3.3.10. A minimum of two (2) 15A-rated, UL listed, NEMA 5-15, three-hole grounded white duplex receptacles shall be furnished inside the vehicle for general and specific uses. These shall be powered by the generator or shore power only.
- 3.3.11. A minimum of twenty (20) additional 15A-rated, UL listed, NEMA 5-15, three-hole isolated ground orange duplex receptacles shall be furnished inside the vehicle for electronics and sensitive equipment use. These shall be powered by the inverter when the generator or shore power is not being used.
- 3.3.11.1. Receptacles at the staff workstations shall be a quad configuration.
- 3.3.11.2. Four (4) of these orange receptacles shall be weatherproof and installed on the exterior per finalized design.
- 3.3.12 One (1) 22" high-resolution monitor shall be installed on the rear wall per preliminary plans.
- 3.3.12.1. Installation shall include one (1) HDMI cable run from the front workstation and one (1) HDMI cable run from the rear workstation.
- 3.3.12.2. Monitor shall be powered by an inverted circuit.
- 3.3.13. Two (2) 13,500 BTU low-profile air conditioners shall be installed per drawings.
- 3.3.13.1. Units shall provide 13,500 BTUs of cooling each.
- 3.3.13.2. Units shall include self-contained, low-profile ceiling assembly with remote controls.
- 3.3.13.3. Unit shall stand a maximum of 10" above the roof and be included in the overall height measurement (reference 2.3.3).
- 3.3.14. Two (2) 1,500-watt electric heaters shall be installed per finalized drawings.
- 3.3.14.1. Units shall be controlled by the multi zone central thermostat.
- 3.3.15. One (1) multi zone central thermostat shall be installed near the front workstation.
- 3.3.15.1. Thermostat shall split the interior into 2 zones: front and rear.
- 3.3.15.2. Thermostat shall control the associated air conditioner and heater for that zone.
- 3.3.16. Two (2) APC BackUPS CS 350VA, 120V, uninterruptable power supplies shall be provided and shipped loose with completed vehicle.
- 3.3.17. One (1) 700-watt microwave oven shall be provided and installed.
- 3.3.17.1. Oven shall mount high on the flat shelf in the section directly behind the passenger seat.
- 3.3.17.2. Oven shall be securely attached to the shelf in a manner that lends itself to easy replacement in the future.
- 3.4. Electrical System – DC/Other
- 3.4.1. Shall be a 12-volt, negative ground type system designed to provide and distribute electrical power at a level of performance that meets the requirements of all components and/or accessories utilizing such power throughout the vehicle.
- 3.4.2. Design emphasis of system furnished shall be on both reliability and serviceability. System furnished shall be a modular type design, modular being defined as a system where major power train, chassis, body component assemblies, including lighting, wiring and switch harnesses, and heater harnesses are easily separable for purposes of repair or replacement, using either simple hand tool or automotive type plug-in connectors. Special emphasis shall be made on accessibility to all wiring harnesses in all locations. Wiring shall not be rendered un-accessible behind permanently installed panels or appointments.
- 3.4.3. The power source for all body electrical equipment furnished shall be taken from a single point on the power train specifically designed for this purpose.

- 3.4.4. The main ground wire grounding the body to the chassis shall be minimum 8-gauge size, all ground wires furnished for insulated-return type systems shall be equal in size to the feed wire in the respective circuit. Redundant grounds shall be used if required to attain a satisfactory level of system performance desired. For maximum system reliability, all serrated eyelets and screws or bolts utilized at points of ground shall be either coated or plated with an electrically conductive type of material to improve their resistance to corrosion.
- 3.4.5. All electromagnetic type switches, relays and solenoids furnished shall be suppressed to protect the entire electrical system from major damage from the large negative voltage spikes these devices can produce.
- 3.4.6. All auxiliary electrical circuits shall be safety protected from current overloading by automatic resetting type heavy-duty automotive circuit breakers, each properly capacity sized to the circuit they serve.
- 3.4.7. System shall include an easy to use “master shutoff” switch located in a readily accessible area inside the main cabin. This switch shall remove battery power to all installed components (with the exception of memory circuits) for safe and total shutdown of the vehicle when a shore connection is not available.
- 3.4.8. A master high-amp circuit breaker, minimum 150-amp shall also be furnished in an accessible area to allow a complete shutdown of 12VDC electrical systems for long-term storage.
- 3.4.9. All terminals and connectors furnished shall be designed and approved by their manufacturer for heavy-duty automotive vocational application: material shall be a corrosion-resistant type. To eliminate disconnects; all terminals furnished shall incorporate a positive locking, seated type design to assure terminal position. Socket (female side of connectors shall be wired to electrical source side of circuit and plug (male) side of connector shall be wired to electrical load side of the circuit to help prevent a short circuit when disconnected. All connections made on the vehicle underbody shall be adequately protected against moisture and corrosion with dielectric grease, heat shrink tubing, or other similar techniques.
- 3.4.10. All insulated cable furnished shall comply with SAE Standards J1127 and J1128. All wiring furnished in the engine compartment area, where extreme heat and fire are of concern, shall be multi-stranded, low voltage insulated automotive type crosslinked polyethylene fire-retardant SAE approved SXL type. All wiring furnished in the body portion of the coach shall be multi-stranded, low voltage insulated automotive type; either SAE approved SXL or GXL types are acceptable. All wiring in each circuit shall be of sufficient size, and with 125% capacity rating of anticipated load to transmit the electrical current load of the circuit. Sizing shall consider the length of the circuit and the voltage drop occurring in the circuit. Voltage at the load shall be +/- 5% of rated voltage when measured in a normal operating state.
- 3.4.11. All wiring shall be routed meeting the following minimum requirements:
- 3.4.11.1. No contact with sharp or puncturing edges.
 - 3.4.11.2. No tension or strain between fixed points.
 - 3.4.11.3. Adequate and safe clearance of moving parts.
 - 3.4.11.4. 5-inch clearance from radiant heat sources
 - 3.4.11.5. Adequately secured to prevent pinching.
 - 3.4.11.6. Wiring to be color-coded and numbered, grease-, oil- and moisture-resistant and securely fastened.
- 3.4.12. All wiring furnished shall be routed in protective harnesses, either woven vinyl or corrugated vinyl or nylon types acceptable. When harnesses go through metal structure, rubber grommets shall be used to further protect the integrity of the harnesses.
- 3.4.13. Four (4) Trojan L16P-AC or equivalent, group 903, 6V deep-cycle, batteries shall be provided as an auxiliary battery bank for stationary 12VDC component power.
- 3.4.13.1. Each battery shall have 420 Ah capacity (@20hr), for a total bank capacity of 840Ah. Batteries shall be connected in a “series/parallel” manner to provide a 12VDC reference.
 - 3.4.13.2. Batteries shall be installed within the underbody battery compartment with a positive hold-down system.
 - 3.4.13.3. Batteries shall power installed auxiliary systems only.
 - 3.4.13.4. The vehicle engine alternator, inverter/charger, and (optional) solar panels shall charge these batteries.

- 3.4.14. One (1) Blue Sea ML-ACR or equivalent heavy-duty battery isolation/merge system shall be installed to allow charging of both the main and auxiliary battery banks from the vehicle alternator, isolation during stationary operations, and merging of the battery banks for emergency starting.
 - 3.4.14.1. System shall include dash-mounted control switch with indicator lights.
 - 3.4.14.2. System shall include one (1) Blue Sea 7635B-BSS or equivalent low voltage disconnect.
 - 3.4.14.3. Battery connection cables associated with this system shall be protected on both sides with a 150A minimum, high amp, resettable circuit breaker.

- 3.4.15. A 12VDC, LED main cabin lighting system shall be installed to provide interior lighting meeting library minimum stack ratings.
 - 3.4.15.1. Lighting fixtures shall be alternately configured on two (2) switches to allow a “zigzag” lighting option at the user’s discretion.
 - 3.4.15.2. Lighting level should be 6 foot-candles (ft-c) minimum measured on the stack face (vertically) at a height of 12”, and 35 ft-c maximum at any height to achieve no more than a 6-to-1 maximum-to-minimum ratio across the entire stack face.
 - 3.4.15.3. Light output temperature shall be a “warm” white between 3000K – 4400K.
 - 3.4.15.4. Lighting fixtures shall be of a rectangular design for a more linear light pattern.
 - 3.4.15.5. Lighting system design shall be approved by the library prior to installation.

- 3.4.16. LED stepwell lighting (12VDC) shall be provided at the side entries.
 - 3.4.16.1. Lighting shall be wired to operate in conjunction with the condition of the door.

- 3.4.17. LED mechanical cavity lighting shall be installed inside the windshield mechanical area. Lighting shall activate with the condition of the access doors.

- 3.4.18. Two (2) 12VDC powered sun visors shall be installed over the windshields with controls within easy reach of the driver and passenger.

- 3.4.19. Two (2) Fantastic Vent 3350 or equivalent, 3-speed, reversible roof vents shall be installed. Vents shall include thermostatic control, automatic opening dome, and automatic rain sensors.

- 3.4.20. One (1) AM/FM/WB/XM/Bluetooth stereo with auxiliary input system and public address capabilities shall be installed.
 - 3.4.20.1. System shall include four (4) high-quality interior speakers mounted in the ceiling and four (4) high quality; flush-mounted exterior speakers mounted on the exterior; two (2) on each side of the vehicle.
 - 3.4.20.2. Each set of exterior speakers shall have a separate volume control.

- 3.4.21. One (1) Cradlepoint IBR900 mobile version or most current series at time of installation, wireless 5G and LTE advanced ruggedized modem shall be provided.
 - 3.4.21.1. Modem shall be powered by the auxiliary 12VDC system.
 - 3.4.21.2. Modem shall support LTE advanced 600Mbps and DC-HSPA with SIM based auto-carrier selection.
 - 3.4.21.3. Modem shall include 802.11 a/b/g/n/ac wave 2 MU-MIMO WiFi to provide a hotspot in and around the vehicle.
 - 3.4.21.4. Modem shall include the ability to configure a virtual private network (VPN).
 - 3.4.21.5. Modem shall include two (2) Cradlepoint 170654-000 or equivalent 5-in-1 GPS, modem & WiFi antennas, mounted to the exterior roof of the vehicle.
 - 3.4.21.6. Unit shall be installed in the cab-over mechanical area.
 - 3.4.21.7. Installation shall include one (1) CAT6 10/100 Mbps RJ-45 hardwire run to the primary workstation.

- 3.4.22. One (1) panic alarm system shall be installed with exterior siren/strobe and two (2) call buttons; one (1) mounted at each of the staff workstations.

- 3.4.23. One (1) parking sensor system with 4 front and 4 rear in-bumper sensors shall be installed. System shall detect obstacles using ultrasonic wave (sonar) echolocation technology and include a wired LED digital display with audible alert mounted in the dash area.

3.5. Miscellaneous Components

- 3.5.1. One (1) battery-operated Carbon Monoxide (CO) detector shall be installed on the interior ceiling.
- 3.5.2. One (1) battery-operated smoke detector shall be installed on the interior ceiling.
- 3.5.3. Two (2) 5 lb. ABC fire extinguishers shall be installed in the interior, one front and one rear.
- 3.5.4. One (1) CO State DOT approved first aid kit shall be supplied and installed within the completed vehicle.
- 3.5.5. One (1) set of three (3) red emergency reflective triangles with dedicated ABS plastic enclosure shall be provided and installed.

4. OPTIONAL ITEMS (please quote these items separately)

4.1. Exterior 55" monitor with compartment

4.1.1. One (1) recessed monitor compartment shall be installed curbside to house the exterior 55" monitor. Compartment shall include a back panel for monitor mounting, and a top-hinged door that acts as a sun and weather shield when open.

- 4.1.1.1. Compartment shall be constructed of aluminum or equivalent materials, as shallow as feasible to accommodate the screen and have minimal impact on the interior cabin width.
- 4.1.1.2. Compartment shall have a connection plate below the screen for powering and connecting a video game console or other content source to the screen.
- 4.1.1.3. Back panel shall be colored black for improved screen visibility.
- 4.1.1.4. Door shall be constructed of aluminum and horizontally hinged with ¼" pin stainless steel continuous hinge, and have positive "compression" style, "slam latch", or equivalent latches.
- 4.1.1.5. Door shall have pneumatic lift assist struts with mechanical locks to support the door horizontally when open, and a nylon pull strap attached to assist in reaching the door for closing.

4.1.2. One (1) 55" high-resolution LCD monitor shall be installed inside the passenger side exterior monitor compartment.

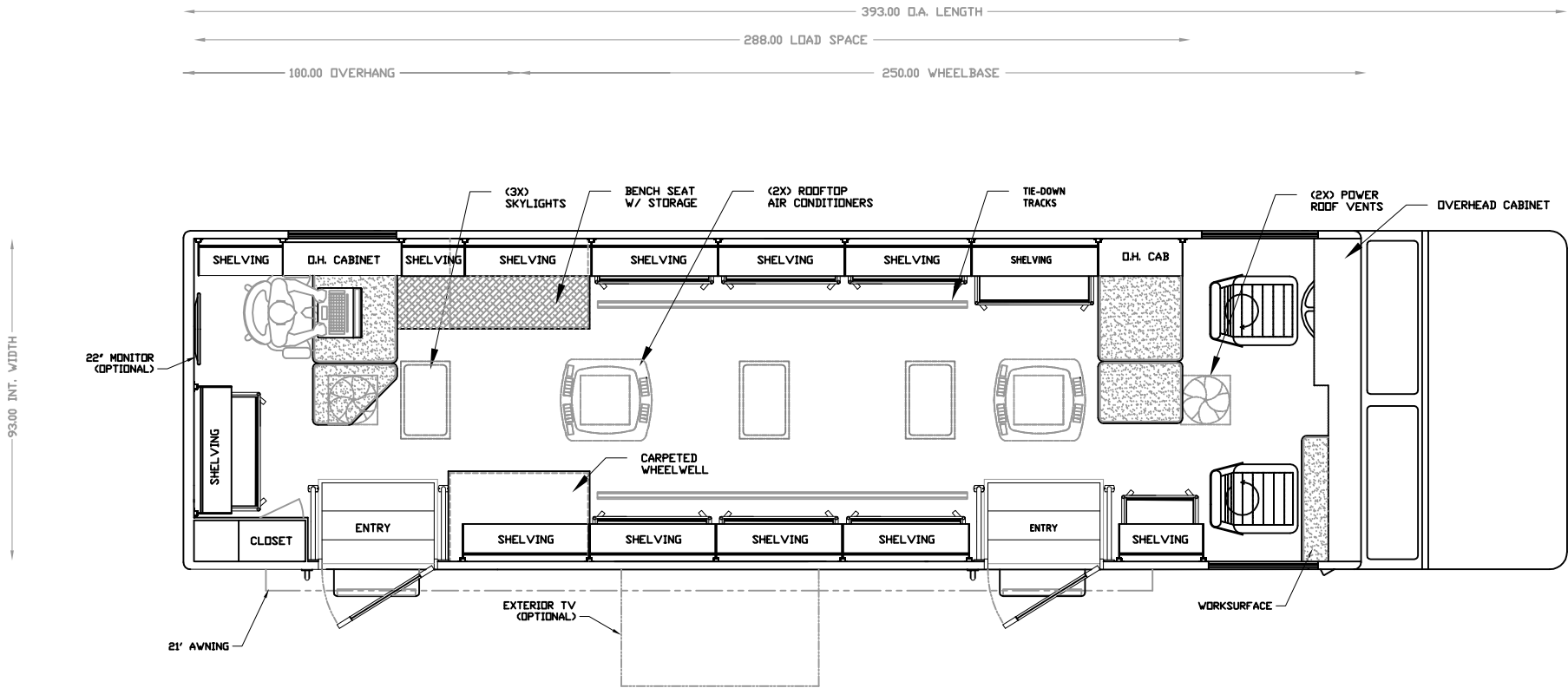
- 4.1.2.1. Unit shall be shock-mounted, but easily removable for service and/or replacement.
- 4.1.2.2. Unit shall be capable of playing content via USB device.
- 4.1.2.3. Installation shall include one (1) HDMI cable from the cab-over area and one (1) HDMI cable from the game connection plate mounted below the screen in the exterior box.
- 4.1.2.4. One (1) Bose Solo 5 or equivalent sound bar shall be provided and mounted to the screen

4.2. Exterior awning

4.2.1. One (1) 21-foot-long (approx.) Dometic WeatherPro or equivalent 12VDC power awning shall be installed on the exterior.

- 4.2.1.1. Awning shall utilize a metal wrapped weather shield and a woven acrylic fabric in a color/pattern chosen by the library from manufacturer selections.
- 4.2.1.2. Awning shall utilize a "knee action" design support system to allow the awning to flex in the wind.
- 4.2.1.3. Awning shall include a wind sensor to automatically close the awning in high sustained winds.
- 4.2.1.4. Awning shall include a hand-held remote control in addition to a wall mounted switch located just inside the entry door.

RevNo	Revision note	Date	Signature	Checked
2.0	33' OA length w/ 100" overhang	11/1/22		
2.1	Remove rear door and lift, staff station revisions	1/25/23		
2.2	Staff station revisions	2/8/23		
2.3	Shelving and seating revisions	2/17/23		
2.4	Closest and carts	2/24/23		



FLOOR PLAN

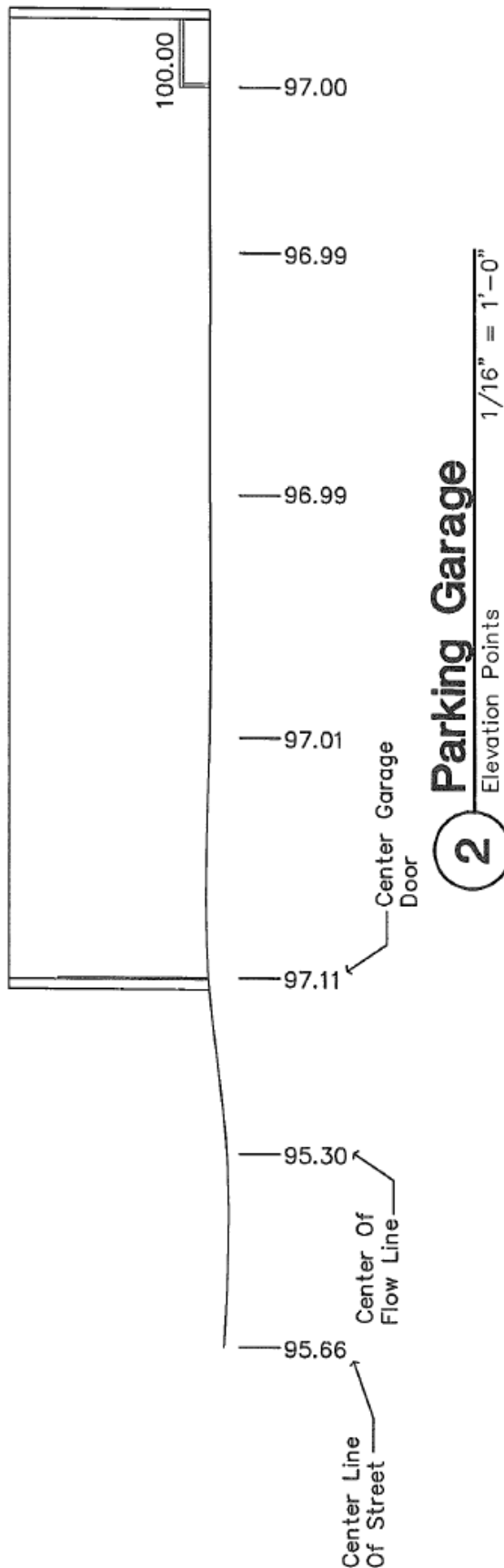
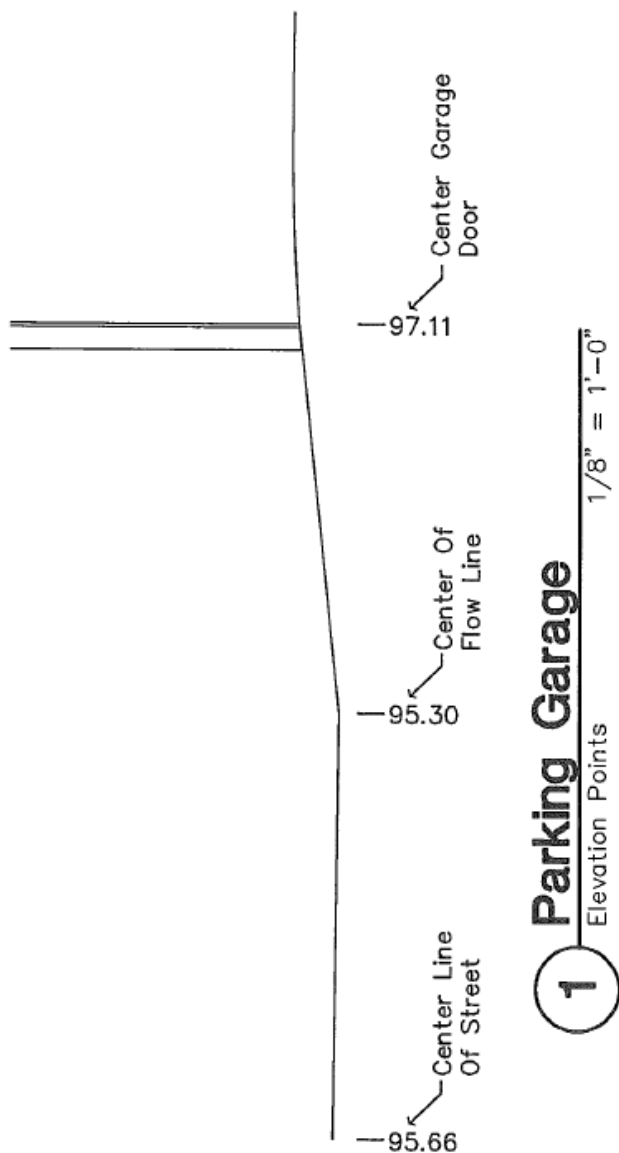
GENERAL INFORMATION

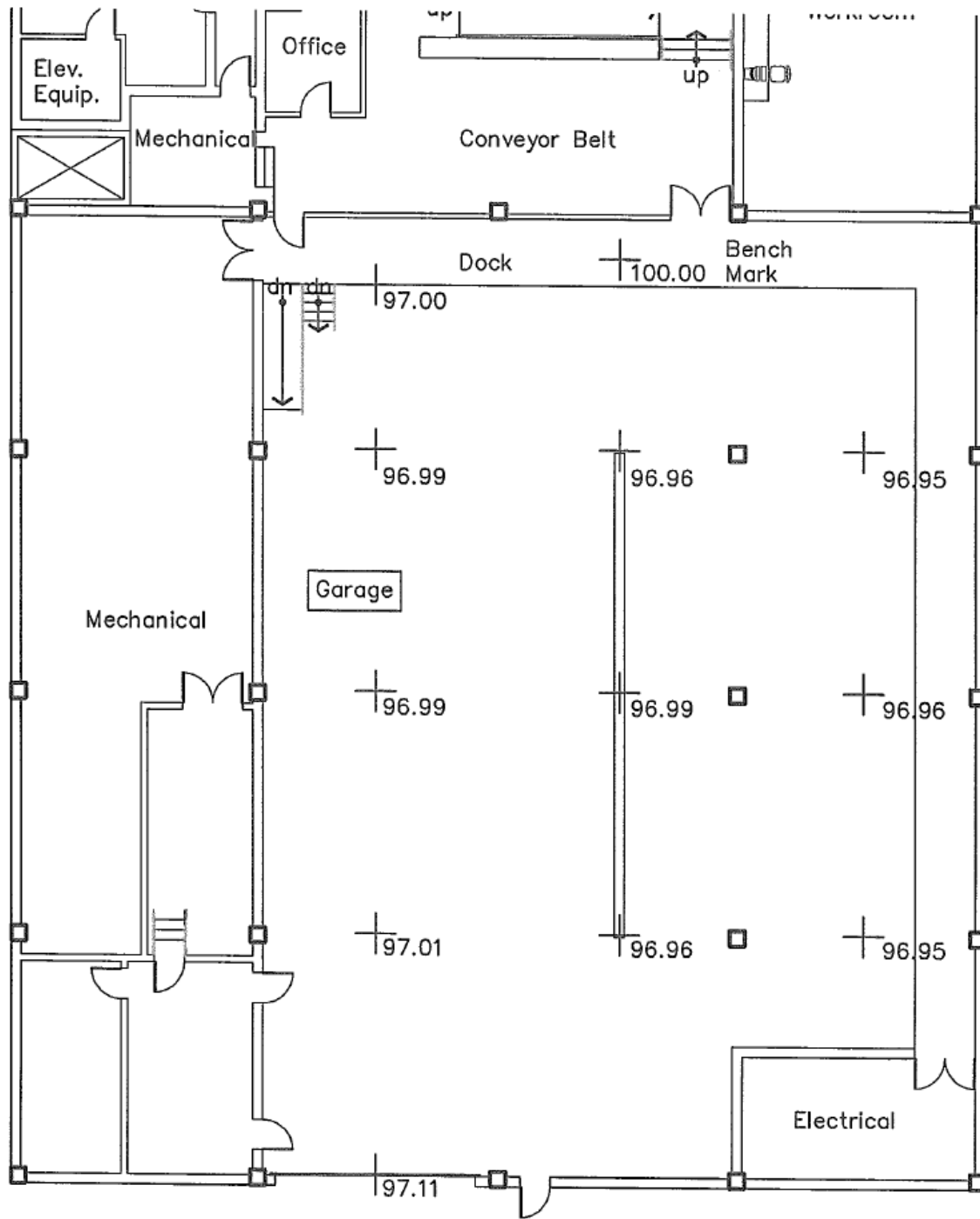
- FREIGHTLINER MT55 SERIES CHASSIS
- 250 INCH WHEELBASE
- 33' OVERALL LENGTH
- 26,000LB GWR

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Lowest Point @ Garage Entrance Flow Line
94.46 95.30 96.00

1 Parking Garage
Elevation Points 1/16" = 1'-0"

Center Line Of Street
94.76 95.66 96.50