

# **CAMINO REAL REGIONAL MOBILITY AUTHORITY BOARD RESOLUTION**

**WHEREAS**, the Camino Real Regional Mobility Authority (CRRMA) and HDR Engineering, Inc. (Engineer) executed a Contract for Indefinite Deliverable Professional Engineering Design Services dated March 14, 2023 for the Engineer to provide various design services to the CRRMA, as may be requested from time to time, via execution of a Work Authorization; and

**WHEREAS**, the CRRMA and Engineer executed Work Authorization No. 2 for the Engineer to provide various planning and initial design services for the El Paso County Transit Facility Project, which was subsequently amended twice; and

**WHEREAS**, the CRRMA and Engineer now desire to further amend the referenced work authorization to allow the Engineer to advance design plans to 30% for the El Paso County Transit Facility Project.

**NOW, THEREFORE, BE IT RESOLVED BY THE CAMINO REAL REGIONAL MOBILITY AUTHORITY:**

**THAT** the Executive Director be authorized to execute **Amendment No. 3 to Work Authorization No. 2** with HDR Engineering, Inc., including any additional documents or materials as may be required, for the provision of additional design services for the El Paso County Transit Facility Project.

**PASSED AND APPROVED THIS 13<sup>TH</sup> DAY OF AUGUST 2025.**

**CAMINO REAL  
REGIONAL MOBILITY AUTHORITY**

**ATTEST:**

\_\_\_\_\_  
Joyce A. Wilson, Chair

\_\_\_\_\_  
Lina Ortega  
Board Secretary

**APPROVED AS TO CONTENT:**

\_\_\_\_\_  
Raymond L. Telles  
Executive Director

**WORK AUTHORIZATION NO. 2  
CONTRACT FOR ENGINEERING SERVICES**

**AMENDMENT NO. 3**

**THIS AMENDMENT** is made pursuant to the terms and conditions of Article 5 of the Contract for Indefinite Deliverable Professional Engineering Design Services dated March 14, 2023 (Contract) between the CAMINO REAL REGIONAL MOBILITY AUTHORITY (CRRMA) and HDR ENGINEERING, INC. (Engineer).

Pursuant to the Contract, the CRRMA and the Engineer executed Work Authorization No. 2, dated January 30, 2024, as amended by Amendment No. 1 dated August 21, 2024, and Amendment No. 2 dated February 6, 2025, in which the Engineer agreed to provide various engineering services to the CRRMA in furtherance of the El Paso County Transit Facility Project (Project). This Amendment seeks to further revise Work Authorization No. 2.

The terms and conditions of Work Authorization No. 2, as previously amended, are hereby further supplemented to provide additional design services necessary for the advancement of the Project's design plans to 30%. Such additional services are more fully enumerated within **EXHIBIT A-3**. The additional services shall be provided in accordance with the Project Schedule dates identified within **EXHIBIT B-3**. The additional services shall be provided by the Engineer in exchange for the additional compensation enumerated in **EXHIBIT C-3**. Each of the **EXHIBITS A-3, B-3, and C-3** are attached hereto and incorporated herein for all purposes.

This Amendment shall become effective on the date of final execution of the Parties hereto. All other terms and conditions of Work Authorization No. 2, as amended, not hereby expressly amended are to remain in full force and effect.

**IN WITNESS WHEREOF**, this Amendment is executed in duplicate counterparts and hereby accepted and acknowledged below.

**CAMINO REAL  
REGIONAL MOBILITY AUTHORITY**

By: \_\_\_\_\_  
Raymond L. Telles  
Executive Director  
Date: \_\_\_\_\_

**HDR ENGINEERING, INC.**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

## **EXHIBIT A-3**

### **SERVICES TO BE PROVIDED BY ENGINEER**

#### **Scope of Services**

This Amendment No. 3 is intended to provide engineering services for Schematic and PS&E of the ETA's Transit OMF. The supplemental services requested of the ENGINEER in this amendment include advancing the approved ETA Transit Operations and Maintenance Facility 15% Final Design Report (January 31, 2025) to the 30% Schematic design level.

#### **Overview**

The OMF is planned to be located in eastern El Paso County and shall house the transit administration, operations, and maintenance functions supporting the ETA provided rural and paratransit services in El Paso County. The ENGINEER anticipates that limited resources could dictate that this new facility be constructed, and designed, in three phases. This design Scope of Services for the new OMF includes 30% Schematic professional design services for the Initial Phase.

The Initial Phase OMF includes Office and Support areas for Administration, Operations and Maintenance, shop and repair bay areas, shop support areas, parts and material storage areas, bus and vehicle services areas, conventional diesel and Compressed Natural Gas (CNG) Fast Fueling, Interior Clean, Fare Recovery and Exterior Wash Lanes.

The ETA fleet parking (storage) shall accommodate approximately 60 Rural Transit Buses (Paratransit type cutaway vans and large capacity vans). The facility shall also accommodate parking for approximately 79 employee and visitors' spaces.

The new Transit OMF shall be designed taking into consideration infrastructure, utilities, access, and security needs for the Final Phase. The ENGINEER understands that the Final Phase is to be constructed without compromising the Maintenance Complex operation, security, or access.

The subject site is an 8.149-acre (354,996.44-square foot) parcel of land. The parcel is rectangular in shape and has frontage on three streets: Windermere Drive, Cherrington Street and Scioto Avenue.

**Attachment A** – Site Diagram conveys the extent of the project limits.

The project is expected to use relevant sustainable strategies and opportunities. The Owner requests that sustainable design strategies be incorporated in the project. However, the Owner shall not pursue a USGBC LEED® certification at this time.

The project design shall comply with the applicable building codes currently adopted and enforced by the City of El Paso, El Paso County and other Agencies Having Jurisdiction (AHJ).

([Chapter 18.08 - BUILDING CODE](#) | [Code of Ordinances](#) | [El Paso, TX](#) | [Municode Library](#))

#### **Technical Disciplines**

The ENGINEER shall provide professional services for the following architectural, engineering, and design of the proposed facility:

- Project Management

- Geotechnical Investigations
- Survey
- Civil Design
- Architectural Design
- Industrial Equipment Design
- Structural Engineering Design
- Mechanical Engineering (HVAC) Design
- Plumbing Design
- Electrical Engineering Design
- Battery-Electric Bus (BEB) Charging Infrastructure Design
- Communications/Security Design
- Fire/Life Safety Design
- Landscape Design
- Conventional Fueling Design
- Compressed Natural Gas (GNG) Fueling Design
- Cost Estimating

The following Scope of Services outlines the tasks to be performed by the ENGINEER for CRRMA/ETA Transit Operations and Maintenance Facility (O&M Facility) Initial Phase.

#### **Task 4. PROJECT MANAGEMENT AND ADMINISTRATION**

The ENGINEER's Project Manager shall provide management of the ENGINEER's effort associated with the scope of services which includes project oversight for the duration of the project, including day-to-day management of resources and schedules, budget tracking and review; telephone conversations; file management; conflict and problem resolution; staff management; accounting; contracts administration; and project control.

##### **4.1 PROJECT INITIATION**

The ENGINEER shall lead internal project initiation elements that include:

- Development of a detailed Project Management Plan.
- Establishing project invoicing procedures with the CRRMA/ETA.
- Establishing the Quality Management Plan (QMP) and adjusting that plan to meet the Owner's special reporting or auditing requirements.
- Establishing the project controls and procedures to be used through the project to track and report physical percent complete and work progress by discipline.
- Establishing project closeout procedures and convey those requirements to team members.
- Evaluation and confirmation of ETA Transit Operations and Maintenance Facility 15% Final Design Report. Noted revisions shall be recorded and delivered to Owner for approval.

##### **4.2 MONTHLY INVOICING AND PROGRESS REPORTING**

The ENGINEER shall submit monthly invoices based on Fixed Fee and Physical Percent Complete. A monthly progress report shall be included with the invoice. The Invoice and Progress Report format shall be approved by the Owner.

#### **4.3 TEAM AND SUB-CONSULTANT COORDINATION**

The ENGINEER shall conduct regular design team coordination meetings throughout the design of the project to support consistent and effective communication and coordination between members of the design team. Meeting minutes/notes shall be kept and distributed following each meeting, if requested by CRRMA & ETA with an on-going listing of required action items. Each design discipline shall be managed by a Discipline Lead, including sub-consultants. Client Status Meetings shall include The ENGINEER's Project Manager, Deputy Project Manager, and specific design team discipline representatives if required and as appropriate. One-hour Client Status Meetings shall be held once per month as needed.

#### **4.4 QUALITY MANAGEMENT**

A project specific Quality Management Plan (QMP) shall be developed and followed by the design disciplines and sub consultants. QA/QC reviews shall be provided by experienced staff who are not directly involved in the project. The quality process shall be supported by senior level staff and shall follow The ENGINEER QC protocols.

#### **4.5 DESIGN SCHEDULE**

The ENGINEER shall prepare a master design schedule with activities and milestones for the architectural and engineering disciplines, including Owner review activities. The master schedule shall be reviewed, evaluated, and updated as needed and with approval from Owner. Schedule adherence shall be reviewed at each team coordination meeting.

#### **4.6 BIM MODEL AND FILE MANAGEMENT**

A central used BIM (Building Information Modeling) Model shall be developed. The design disciplines shall utilize the central model via Autodesk Construction Cloud (ACC). Overall model management shall be provided by The ENGINEER. The ENGINEER shall provide day-to-day model management using REVIT® and ACC. Horizontal Site Design shall use Civil 3D® design software. Additionally, the team shall interface and utilize ProjectWise, Newforma and/or SharePoint project file management platforms. These platforms are used for design deliverables and other project related submittals. Appropriate permissions, if requested, shall be granted to the CRRMA team, ETA team, and/or sub-consultants as necessary.

#### **4.7 SUBCONSULTANT DESIGN AND ENGINEERING DISCIPLINES**

The ENGINEER Design Team shall provide oversight and coordination of the assigned sub-consultants for the following disciplines:

<b>Discipline</b>	<b>Firm</b>	<b>Key Contact(s)</b>
<b>Survey &amp; SUE</b>	FXSA	John Barnes
<b>Geotechnical Field and Laboratory Testing Services</b>	HVJ	Arthur Aranda/Anil Raavi

#### **4.8 MEETINGS AND CONFERENCES**

##### **4.8.1 Project Kick Off Meeting**

The ENGINEER shall conduct a one-hour Project Kick Off Meeting. Meeting shall be in-person and virtual. Attendees should include CRRMA and ETA Stakeholders and HDR Design Discipline Leads. Topics of discussion: Introductions, Scope, Schedule, Project Cadence, Communication Protocols.

#### **4.8.2 Client Review Conference**

Prior to the 30% Design deliverable, The ENGINEER shall host a Client Review Conference. At this conference (meeting), The ENGINEER shall present the design and its key elements to key Owner user groups and stakeholders. This conference allows the Owner an opportunity to interact with the design team and ask questions of key design disciplines. This Client Review Conference shall be virtual and last no more than 2 hours. The conclusion of this conference shall signal the Owner that their review period has started, and the 30% design package shall be delivered via PDF file transfer.

#### **4.8.3 Other Scheduled Meetings**

The ENGINEER PM and design leads shall attend the following scheduled meetings:

- Regularly scheduled, virtual internal Design Team Coordination Meetings biweekly or as determined necessary by the Project Manager.

A meeting schedule shall be developed in coordination with the Design Schedule.

### **4.9 PROJECT MANAGEMENT RELATED DELIVERABLES**

- Kickoff/Orientation Meeting Notes
- Project Design Schedule
- Monthly Invoices and Progress Reports
- Meeting agendas and minutes

### **4.10 PROJECT MANAGEMENT RELATED TRAVEL**

Four people for one day to conduct Project Kick-Off Meeting

#### **Task 6. 30% SCHEMATIC DESIGN**

Upon approval from Owner to progress the 15% design, The ENGINEER shall begin development of the 30% Design Package which is intended to refine the various components of the project.

Owner requested cost cutting measures shall be evaluated and incorporated into the design.

During this task, the dimensions of the building shall be established, and the building concepts shall be further developed.

### **6.1 PRE-DESIGN EFFORTS**

#### **6.1.1 Design to Budget Workshop**

The ENGINEER shall conduct an in-person, two-day workshop with participation of up to four The ENGINEER Discipline Leads, up to two technical advisors, and project management. The purpose of this workshop is to evaluate the existing 15% concept design in the context of the available construction budget. Understanding that this budget is fluid, the Design Team and key Owner stakeholders shall collaboratively evaluate programmatic elements that may need to be deferred to later stages of design to align with finalized construction budget.

The team shall explore potential deferral elements, apply rough order of magnitude (ROM) cost estimates to those elements and develop design solutions that allow a fully functional facility in their absence. Deferred elements shall be documented and considered for future phases of design.

It is important to note that the outcomes of this workshop must remain consistent with the constraints outlined in the approved Environmental Document. This shall help maintain the project's eligibility for environmental clearance and avoid triggering additional review or re-evaluation.

### **Program To Plan Lock Report**

The ENGINEER shall use ETA Transit Operations and Maintenance Facility 15% Final Design Report (January 31, 2025), as the starting point for the project. Program to Lock report shall identify changes programmatically, and other refinements made to the plan from Owner comments, team decisions, code input, or constructability concerns as identified in task 6.1.1. The report shall include a comparison of the proposed concept to the original program and provide justification or explanation as to the differences. The ENGINEER shall also identify changes to the Conceptual Drawings for use as the basis for the 30% Design. The purpose of the Program to Plan Lock is to establish and confirm key design elements in the project. This is done through a detailed review and evaluation of the existing programming and conceptual design documentation, including the space needs program, functional requirements, concept site and building design.

Program to Lock Report shall be submitted to Owner for a seven-day review/approval period.

### **Orientation/Kickoff and Design Review Meeting**

The ENGINEER Design Team shall conduct an internal orientation/kick-off and design review meeting attended by design team discipline leads and project management staff. During this meeting, the existing concept shall be carefully reviewed, analyzed, and discussed.

Project Elements to be reviewed are:

- Key design issues for each space and/or functional area within the planned facility.
- Hours of operation and site and building security requirements.
- Office, assembly, and operational spaces.
- Staff support space needs including restroom, shower, and locker areas, break rooms, and vending areas.
- Supervisory, and control requirements.
- Meeting, training, and conference room needs.
- Site layout, setbacks, easements, and other limitations on the property.
- Requirements for vehicle and equipment repair, inspection, and exclusive use bays.
- Review fleet type, age, and average annual miles.
- Fleet vehicle fueling plan.
- Unique vehicle servicing requirements.
- Storage requirements for parts, supplies, materials, and archives.
- Special shop requirements and equipment needs.
- Parking requirements for CRRMA, employee, visitor, and delivery vehicles.

### **6.1.2 Preliminary Specifications (TOC)**

During this task the Team shall produce a Project Specification Table of Contents (TOC) that identifies the anticipated specification sections, and specifications to be included in the project.

### **6.1.3 Colored Perspective Renderings**

The ENGINEER shall prepare two architectural colored renderings of the project as a size of 24" x 36". The two perspectives shall show the maintenance facility and site, from two different vantage points. Both renderings shall be appropriate for framing.

### **6.1.4 Basis of Design (30% Design Report)**

The ENGINEER shall prepare a Basis of Design (30% Design Report), 8 1/2" x 11" format, which defines design intent from included disciplines, and illustrates the 30% design in narrative format. The report and accompanying attachments shall be submitted to the CRRMA/ETA as electronic PDF files.

## **6.2 PRELIMINARY GEOTECHNICAL**

The Engineer shall utilize a Geotechnical Engineering sub-consultant to drill geotechnical borings, perform on-site percolation testing, perform laboratory tests, and prepare a Geotechnical Data Report (GDR). The preliminary geotechnical investigation, reporting, and scope shall be developed and coordinated by a Geotechnical Engineer. Preliminary foundation and rigid pavement recommendations shall be included in the preliminary geotechnical report developed by the ENGINEER

The preliminary field investigation shall include one 50-ft deep, one 25-ft deep, and two 15-ft deep borings and a shallow percolation test. Laboratory testing program shall include water contents, Atterberg limits, sieve analyses, and unconfined compression tests. The GDR shall include a description of field and laboratory testing services, a plan of boring, boring logs, and laboratory test results.

The preliminary geotechnical engineering shall include a review of publicly available geologic information from the US Geological Survey (USGS), soil data from the US Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, available geotechnical reports from nearby projects, and review of the GDR prepared by our geotechnical subconsultant. The preliminary geotechnical engineering report shall include a summary of our findings, potential foundation types, range of design parameters, and preliminary range of rigid pavement thickness for the parking lot.

The ENGINEER is not aware of environmental concerns at this project site that would create health or safety hazards associated with the exploration program outlined at the proposed site; thus, this Scope of Work should be based on adherence to standard OSHA Level D Personal Protection Equipment (PPE) as appropriate. This Scope of Services does not include environmental site assessment services, however, if the ENGINEER identifies unusual or unnatural materials encountered while drilling the ENGINEER shall notify these issues immediately and on the field logs and in the report deliverable.

Exploration efforts require borings (and possible excavations) into the subsurface, therefore the ENGINEER shall comply with Texas 811, a free utility locating service, to help locate public utilities within dedicated public easements. The ENGINEER shall consult with the owner/client regarding potential private utilities, or other unmarked underground hazards. Based upon the results of this consultation, the ENGINEER shall consider the need for alternative subsurface exploration methods, as the safety of field crews is a priority. The ENGINEER shall not be responsible for damage to private utilities not disclosed to the Geotechnical Engineering Firm prior to commencement of field exploration tasks.



### 6.3 SURVEY & SUE

Survey parameters and scope shall be developed and coordinated by the ENGINEER Civil Engineer. The Survey sub-consultant shall prepare the site survey of the property which shall include boundaries, easements, legal descriptions, and location of existing utilities, horizontal controls, benchmark, surface features, and topographic contours at one-foot intervals.

#### Control Establishment:

- Establish a minimum of two permanent horizontal and vertical control points (NAD83(2011), NAVD88).
- Integrate FEMA and CRRMA/EPC benchmarks as needed.
- Locate controls away from future construction zones.

#### Topographic Survey:

- 50-foot grid survey including break lines.
- Survey all visible site features (i.e. drainage structures, utilities, fences, poles, lighting, buildings, culverts, etc.)
- Open accessible manholes and inlets to measure inverts and pipe sizes.
- Survey surface-visible utility markings by Texas 811.

The preliminary survey shall be reviewed by the ENGINEER Civil Engineer, and necessary revisions shall be made prior to integration of the survey into site design documents.

A SUE investigation to identify and map existing underground utilities using ASCE 38-02 standards (Quality Level C and D).

- Quality Level D
  - Collect utility record data from agencies and utility owners.
- Quality Level C
  - Survey surface-visible utility features and correlate with records.

### 6.4 CIVIL DESIGN

Site Civil design is site specific. This Scope of Services is only applicable to the proposed site identified in ETA Transit Operations and Maintenance Facility (January 31, 2025). The site is located at the Northeast Corner of Windermere Avenue and Cherrington Street along the Eastern border of El Paso. The Civil Tasks shall include:

- **Site Evaluation:**
  - Perform site reconnaissance of the site to obtain information on surface features and other information that would impact construction cost and methodology.
  - Coordinate civil design elements with the surveying sub-consultant. Review and coordinate survey updates with the surveying sub-consultant.
  - Research local governmental requirements and obtain design criteria, regulations and information regarding the site.
  - Evaluate existing easements for impact to proposed design elements.
  - Evaluate existing utilities on the site and integrate into the design documents.
  - Review the preliminary geotechnical report and incorporate findings into the design documents.

- **Programming and Design Coordination:**

- Investigate required setbacks and coordinate building locations with Architectural team. Document established locations in a Site Layout Plan, showing dimensions and critical survey points.
- Establish a preliminary grading design to include the Finished Floor Elevation (FFE) of each structure and preliminary sizing of the stormwater detention pond (sized for initial phase build out only).
- Coordinate water and sanitary building connections with the Plumbing team. Confirm adequate capacity in the proposed mains of connection. Consider routing of these utilities that shall serve the full build-out needs. Document proposed routing on plans and confirm clear crossings.
- Coordinate location and clearances for ground-mounted mechanical units with the Mechanical design team.
- Coordinate power delivery, proposed electrical yard, layout of conduit and transformers on site, and connections to existing infrastructure with design team.
- Investigate applicable codes related to battery storage and charging. Coordinate programming needs of equipment with Electrical team. Evaluate siting of equipment for compliance with codes and document equipment locations and clearances on plans.
- Investigate applicable codes related to CNG and diesel storage and dispensing. Coordinate programming needs of equipment with Fueling team. Evaluate siting of fueling station(s) and related equipment layout for compliance with codes and document equipment locations and clearances on plans.
- Coordinate and document routing of communication conduit in collaboration with the Communication and Security team.
- Analyze vehicle turning movements based on roadway layouts and site feature locations.

- **Preparation of Design Documents:**

- Prepare 30% civil design drawings, consisting of the following general items:
  - Existing Conditions Plan
  - Erosion & Sediment Control Drawings (up to 3 sheets)
  - Erosion & Sediment Control Details
  - Demo Plan (if found to be necessary)
  - Site Layout Plan
  - Site Paving & Striping Plan
  - Site Grading and Drainage Plan
  - Site Utilities Plan ( to within 5' of structures)
  - Vehicle Turning Exhibit
  - Site Details as necessary
- Prepare a Table of Contents of civil technical specifications.
- Prepare 30% level drainage report.
- Provide discipline specific contributions to the Basis of Design report.

- **Permitting Pre-Application Meeting:**

- Develop the necessary documents to submit a request for a Pre-Application meeting with the AHJ.
- Request and schedule the Pre-Application meeting.

- Attend the Pre-Application meeting, to be held virtually and last no more than 1 hour.
- Provide a summary of the meeting for use in defining the 60% scope.

- **Project delivery:**

- Provide plans and specifications for coordination, QC, and Client review and comment at the submittal review period.
- Provide a summary of findings from the Pre-Application meeting.

## **6.5 ARCHITECTURAL DESIGN**

Architectural Design Tasks shall include:

- Provide 30% Design plans (drawings using Revit BIM software) and initial specifications for coordination, QC, and Client review and comment resolution as a part of the 30% effort.
- Communicating directly with Owner and Design Team to refine the design, as necessary.
- Managing cross-discipline coordination and resolution of design conflicts, as necessary.
- Coordinating the Design Team response to comments generated through internal QC and Owner reviews.
- Driving sustainable strategies and performance of the project through construction.
- Overseeing the engineering disciplines and coordination of engineering design in the overall project submittals.
- Building Architecture and site elements requiring architectural or design input such as decorative fencing, ancillary buildings, canopies, guard houses and other structures.
- OMF Building Architectural 30% Design including:
  - Building Floorplans
  - Building Ceiling plans
  - Sections and Elevations
  - Preliminary Fixtures and Furnishings selection and documentation (for cost estimating purposes)
- Coordination and oversight of the permitting deliverables and process.
- Colored Perspective Renderings: The ENGINEER Design Team shall prepare two architectural colored renderings of the project from various vantage points. The renderings shall show the Bus Operations & Maintenance Facility (OMF) and site from different vantage points. These renderings shall be more conceptual and illustrative style to show the design intent, not photorealistic. Renderings shall be provided to Owner as digital files.
- Discipline specific contributions to Basis of Design report.

## **6.6 EQUIPMENT INDUSTRIAL DESIGN**

Tasks shall include:

- Equipment Programming
  - Inventory existing shop equipment, by functional area, which shall be relocated to the new facility. Include description, quantity, manufacturer, model number, and utility requirements.
  - Participate in equipment discussion meetings with CRRMA to identify, by functional area, maintenance and service equipment needed to support maintenance activities. Maintenance equipment includes storage equipment, shop equipment, wash equipment, vehicle exhaust systems, lifts, and cranes. Service equipment includes compressed air system components (i.e., compressor, dryer, hose reels, filter/regulator/lubricator) and lubrication system components (i.e., pumps, tanks, hose reels).

- Develop preliminary equipment list to be consistent with equipment layout drawings and facility design. Equipment to be listed by functional area within each department, by description and numerically by equipment identifier. Equipment list includes information regarding description, quantity, price, dimensions, procurement strategies, and specification responsibility, and discipline coordination matrix.
- Equipment Coordination Guide
  - Assemble Equipment List with description, quantity, price, dimensions, procurement strategies, specification responsibility, and discipline coordination matrix
  - Assemble Equipment Discipline Coordination Sheets
  - Assemble Equipment Cutsheets on maintenance and service equipment to be specified by The ENGINEER O&M Facilities Design specialists (approximately 50 items).
- Equipment Layout Drawings
  - Develop initial maintenance equipment layout drawings on Revit Model, which provides an efficient, cost effective, industrial workflow through the facility. Include workstation layouts and materials handling storeroom layouts.
  - Develop initial one-line service equipment (lubrication distribution and compressed air systems) layout drawings.
- Coordination
  - Coordinate operational and equipment related functional requirements for building systems and components including architectural, structural, mechanical, electrical, plumbing, and human engineering.
  - Review architectural/engineering design for functional response to program equipment requirements.
- Discipline specific contributions to Basis of Design report.

## **6.7 STRUCTURAL DESIGN**

Tasks shall include:

- Coordination with the AHJ related to the structural design during application for building permits in compliance with the 2021 International Building Code and the City of El Paso, Texas, Code Amendments.
- Development of the structural basis of design during the 30% design, including code required and owner specified loads and structural criteria, for the OMF and associated structures.
- Coordination with the preliminary geotechnical scope and program in determining the preliminary structural foundation design parameters for the listed facilities.
- Structural design of the listed facilities in accordance with the structural basis of design. Structural design shall include the building exterior envelopes, framing systems, floor systems and structural foundations.
- Structural design of ancillary structures such as site retaining walls (if required) buried vault structures and isolated equipment foundations for structural loadings.
- Provide plans and specifications for coordination, QC, and Client review and comment at each of the submittal milestones.
- Specific contributions to the Basis of Design (30% Design Report) sections which outlines structural elements of the OMF project.

## **6.8 MECHANICAL DESIGN (HVAC AND PLUMBING)**

Tasks shall include:

- Plumbing system design to include water (domestic hot, recirculating hot, and cold), storm, waste, industrial waste, and vent systems to a point five (5) feet beyond the building footprint where they shall be picked up by the Civil Engineer.
- Industrial waste system design shall include assisting the Civil Engineer in the sizing of sand and oil interceptor(s) for the equipment maintenance bays, shops, and service facilities.
- Building natural gas distribution system (if required by selected system type and if natural gas distribution is available to the site). No design or engineering for a new gas utility is provided.
- HVAC system parameters shall be developed with CRRMA input and designed in compliance with applicable codes, standards, and regulations. HVAC system design shall include systems for the evacuation of lighter than air and heavier than air gasses as required, including design of applicable gas detection systems
- Air conditioning and heating shall be provided in the office and crew support areas, and enclosed shop areas. Destratification fans shall be designed to improve staff comfort in open air spaces.
- Vehicle maintenance bay areas shall be ventilation and heating only. No mechanical cooling shall be planned for these spaces.
- Provisions in the HVAC and Mechanical design throughout the maintenance areas shall be made to accommodate vehicles fueled by Compressed Natural Gas (CNG).
- The HVAC mechanical design for the other administrative and operations office and support areas shall include ventilation, and HVAC systems appropriate and in coordination with the El Paso County's current requirements for HVAC systems. Restroom and locker area exhaust shall be designed according to the mechanical code and ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers).
- Dedicated cooling systems (ductless split systems or similar) shall be utilized for IT/Communication rooms/closets or other systems as appropriate and in coordination with CRRMA current requirements for HVAC systems.
- A Building Automation System shall monitor and control HVAC system(s) operation. This system shall also be an integral element of the sustainable design strategies for the facility.
- Compressed Air systems, Lubrication Storage and Distribution system, and Waste Fluid Recovery and Storage systems design and engineering shall be provided in coordination with the Industrial Equipment Designers.
- Discipline specific contributions to Basis of Design report.
- Provide plans and specifications for coordination, QC, and client review and comments.
- Work with the Fire and Life Safety Engineer to provide ventilation systems that support the area classification strategy. Ventilation shall be designed to achieve air change rates required to reduce or eliminate hazardous classifications (e.g., from Class I, Division 1 to Division 2, or from Division 2 to unclassified), in accordance with NFPA 52 and NFPA 30A. The design shall include documentation of ventilation rates and system performance necessary to support the defined hazardous classifications.

## 6.9 ELECTRICAL DESIGN

Tasks shall include:

- **Utility Coordination:** Coordinate with the electrical utility to provide a new electrical service to the facility, including completing the required utility company load sheets.
- **Lighting Design:** Collaborate with the architectural design team to provide a lighting design compliant with Illuminating Engineering Society (IES) guidelines. The lighting design includes

interior and exterior lighting and controls. Only LED fixtures shall be used throughout the facility's interior and exterior.

- **Power Distribution Design:** Provide power design services for the facility, including:
  - Design the electrical distribution system for normal, optional standby (NEC Article 702), emergency power (NEC Article 700), and legally required standby power (NEC Article 701).
  - Layout of convenience (general use) electrical receptacles.
  - Power design for mechanical equipment and other electrically powered systems specified by other disciplines.
- Coordinate power distribution with available site power, existing sub-stations, underground conduit duct bank system, and the local utility provider.
- **CNG Vehicle Accommodations:** Work with Fire and Life Safety Engineers to provide electrical and lighting design within the maintenance areas to accommodate vehicles fueled by Compressed Natural Gas (CNG) as required by NFPA 52 and NFPA 30A.
- **Lightning Protection:** Provide performance specifications for the Operations and Maintenance Facility (OMF) lightning protection.
- **Emergency Power System Design:** In coordination with mechanical, structural, and life safety engineers, and the AHJ, design standby power systems utilizing natural gas or diesel-fired generator(s). If natural gas is proposed as the primary fuel, confirm its reliability and code compatibility with the AHJ. Diesel generators shall include base-mounted, double-wall fuel tanks. Coordinate fuel storage capacity with the Owner's operational requirements during utility outages and to support systems mandated by applicable codes and Owner directives. Applicable codes include the International Building Code (IBC), NFPA 101, and NEC Articles 700 and 701. Design shall support power for egress lighting, fire alarm systems, fire pumps, smoke control, life safety ventilation, hazardous industrial processes, and critical sewage systems.
- **Basis of Design Contribution:** Provide discipline-specific contributions to the Basis of Design report.
- **Documentation:** Provide plans and specifications for coordination, quality control, and Client review.

## 6.10 BATTERY ELECTRIC BUS (BEB) CHARGING AND CHARGING INFRASTRUCTURE PRELIMINARY DESIGN

Tasks shall include:

- **Fleet Energy Consumption Analysis:** The ENGINEER shall work with ETA staff to assess how paratransit and non-revenue fleet vehicles are used and to identify revenue and non-revenue service requirements. This task shall give ETA information on which vehicles are feasible for electrification now and how far away unfeasible vehicles are in terms of range, charging, and fleet expansion requirements. The ENGINEER shall use an Excel-based modeling tool to perform an energy consumption analysis on a per-vehicle basis to determine range requirements and expected operating energy efficiency; the model shall include a review of the existing fleet, daily average and maximum miles traveled, and daily average and maximum hours in service. The ENGINEER shall model up to three (3) scenarios for the Paratransit and Non-Revenue Fleet: a baseline scenario, a BEV scenario with an expanded fleet, and a BEV scenario with mid-day recharging (if needed). Results from the analysis shall be included in the Basis of Design report.

- **Charger Determination Coordination:** Facilitate up to two (2) virtual meetings with ETA to review the State of the EV Charger Industry, develop pros and cons of different charging methods, and gather feedback to inform the design on the types and quantities of buses/vehicles that should include plans for future charging, the size and quantity of those chargers, and the charging products to move forward with in the 30% design plans. Results from these meetings shall be included in the Basis of Design report.
- Discipline specific contributions to Basis of Design report.
- Provide plans and specifications for coordination, QC, and Client review.

## **6.11 COMMUNICATIONS AND SECURITY DESIGN**

Tasks shall include:

- An entrance facility (EF) shall be established to connect to existing port communications or external ISP. New underground duct banks shall be provided from the EF to connect the Maintenance Facility building with the existing site telecom buried distribution network (if available). The EF shall include Building Entrance Protectors (BEP) for the copper OSP cabling and fiber splice closures for transition from OSP to interior rated optical fiber cables.
- Outside Plant (OSP) Cabling shall be designed to support the function of the facility. OSP cabling requirements will be determined in close coordination with the User and port requirements.
- Telecom Rooms shall be designed in accordance with TIA and BICSI guidelines and customary practices. Sizes and locations of the Telecom Rooms shall be coordinated with the building layout. Each Telecom Room shall be integrated with the EF and adjacent Telecom Rooms with a backbone conduit and cabling design in a hierarchical star topology. Spare backbone conduits shall be provided for future additions and modifications to the backbone cabling infrastructure.
- Horizontal cabling pathways shall be designed in accordance with user requirements. Pathways include recessed j-boxes, conduit concealed in walls, and cable trays in common corridors.
- Horizontal cabling shall be included from designated patch panels in the Telecom Rooms to the work area outlets. Horizontal cabling shall be Cat 6 for data and VoIP and Cat 6A for wireless access points.
- Electronic security systems (ESS), Intrusion Detection Systems (IDS) and Access Control Systems (ACS) shall be provided based on CRRMA/ETA requirements including special systems at the new Entry/Exit gate that requires a fiber optic connection.
- Communication and Security System details, software, hardware, and firmware shall be recommended by the CRRMA/ETA.
- Discipline specific contributions to Basis of Design report.
- Provide plans and specifications for coordination, QC, and Client review.

## **6.12 FIRE AND LIFE SAFETY DESIGN**

Tasks shall include:

- The Fire and Life Safety and design team representatives shall participate in necessary meetings with the City of El Paso and/or El Paso County Fire Department Chief or designee. Code Analysis shall be provided by the design team including Code Plans with code analysis documenting Building, Fire, and Life Safety Code compliance; drawings indicating egress, occupant loads, wall fire ratings, site egress/fire access, fire extinguisher layouts, exit signs.
- Fire suppression system design (drawings and specification); design shall be a performance specification with delegated design to a fire sprinkler contractor; drawings shall include coordinating riser locations, special conditions for the sprinkler contractor, hazard classification,

and standard details. Preliminary hydraulic calculations shall verify the water supply is adequate to serve the fire sprinkler system.

- Fire alarm system design (drawings and specification); design shall be a performance specification with delegated design to a fire alarm contractor; drawings shall include coordinating panel locations, special conditions for the contractor, device layouts, and conceptual riser diagram and control matrix.
- Determining the extent of Class I, Division 1 and Division 2 hazardous areas resulting from the presence of compressed natural gas (CNG), in accordance with NFPA 52 (Vehicular Gaseous Fuel Systems Code), and NFPA 30A (Code for Motor Fuel Dispensing Facilities and Repair Garages).
- Fire and Life Safety System details, components, hardware, and supporting software as approved by the City of El Paso or El Paso County Fire Department.
- Discipline specific contributions to Basis of Design report.
- Provide plans and specifications for coordination, QC, and Client review and comment.

### **6.13 LANDSCAPE ARCHITECTURE**

The scope shall include landscaping design and irrigation system design as appropriate for El Paso County standards, climate, and maintenance expectations. The design shall support the project's phased development, contribute to long-term site performance, and reinforce the facility's integration into the surrounding context, including adjacent residential neighborhoods and future infrastructure.

The Consultant's landscape architecture services shall include the following:

- **Site Coordination and Integration**  
Coordinate with civil, architectural, and site utility disciplines to develop a cohesive site plan that accommodates planting, stormwater management, and outdoor site features without conflict. Landscape elements shall be planned to promote continuity and function across the Initial, Interim, and Final Phases.
- **Planting and Irrigation Design**  
Develop a conceptual planting plan that uses drought-tolerant, regionally appropriate species suited to El Paso County. Planting design shall address screening, visual buffering, and site enhancement goals. An irrigation strategy shall be developed as appropriate for the County, prioritizing efficiency and minimal maintenance.
- **Hardscape and Site Elements**  
Prepare layout concepts for sidewalks, outdoor employee areas, and other site interface elements. This includes recommendations for paving, finishes, seating areas, and bicycle parking, with an emphasis on usability, aesthetics, and safety.
- **Sustainable and Stormwater Integration**  
Coordinate with civil engineering to align planting and grading strategies with stormwater management features. Landscape shall support sustainable site development goals through integrated green infrastructure and passive cooling where possible.
- **30% Deliverables**
  - 30% Landscape Site Plan
  - Preliminary Planting Plan with species list and concept palette
  - Irrigation strategy diagram and preliminary zone recommendations
  - Site Furnishing and Hardscape Layout Diagrams
  - Narrative summary of design intent and cross-discipline coordination needs
  - Contribution to the Basis of Design Report



Design shall comply with applicable County guidelines and reflect standard practices for the region's climate and operational needs.

#### **6.14 CONVENTIONAL UNLEADED GASOLINE AND CNG FUEL SYSTEM DESIGN**

Tasks shall include:

- Design of a vehicle fueling (conventional Unleaded Gasoline and Compressed Natural Gas (CNG)) fueling station including receipt, storage, and dispensing. The fueling station shall include commercial fueling dispensers located on islands with canopy coverage. Final volumes and number of compressors and volume of the storage vessels for both fuels shall be determined during 30% Design following evaluation of fleet daily consumption and fuel supplier filling schedules.
- CNG Fuel shall be received via large volume distribution pipeline. Two fueling islands shall be provided with two CNG fast fill fuel dispensers on each.
- Unleaded gasoline fuel shall be stored in above ground storage tanks (ASTs) compliant with local standards and NFPA standards. ASTs shall be specified as UL-2085 Fireguard, which includes double-walled containment, fire insulated interstice, and impact resistant features. Remote fill boxes shall be installed adjacent to the delivery tanker truck parking area to facilitate transfer of fuel for tank filling.
- Unleaded gasoline fuel system shall feature a tank monitoring system for automatic level gauging and leak detection.
- Fueling island shall feature a fuel management system for operator authentication and transaction accounting capabilities.
- Design shall conform to NFPA 30, NFPA 30A, NFPA 52, as well as state and local regulations.
- CNG Storage Vessels shall be specified as ASME Boiler and Pressure Vessel Code rated.
- Fuel island area shall include a canopy area to reduce to a reasonable level of storm water runoff from the dispensing area. The perimeter of the fueling island shall be graded to hydraulically isolate the area underneath the canopy.
- Prepare Unleaded Gasoline and CNG fuel design drawings, consisting of the following general items:
  - General CNG Compressing Area Layout
  - Fuel System Piping Plan
  - Piping Plans
  - Fuel System Flow Schematics including tank layout, tank nozzle schedule, equipment, piping, instrumentation, and controls.
- Prepare CNG and unleaded gasoline fuel system technical specifications for components and installation.
- Discipline specific contributions to Basis of Design report.
- Provide plans and specifications for coordination, QC, and Client review and comment at each of the submittal milestones.

#### **6.15 COST ESTIMATING**

The Engineer's estimator shall prepare an estimate of probable construction cost of the project at the 30% design level. The estimate shall include the cost of the work, escalation factors, local market factors, general conditions, bonds and other costs associated with the construction and as directed by CRRMA/ETA.

- The Engineer shall provide an AACE Class 4 Estimate at the end of the 30% Design Task.

- Detailed quantity take-offs and cost breakdown when scope is defined. Some assumptions and lump sum allowances shall be incorporated.
- Detailed definition of indirect costs (staffing, construction equipment, insurance, etc., Time-related elements shall be based on a milestone schedule).
- The OPCC estimate shall incorporate a high-level assessment of engineering design, site productivity, labor wage rate, escalation, fee and other factors which influence the job costs. Installation hours shall be based on performance assessments by trade, skill levels and estimated construction equipment usage.
- The final deliverable shall include a cost estimate with assumptions and clarifications used in creating the estimate.
- The detailed cost estimate shall be prepared using Microsoft Excel and follow the UFII or Uniformat II breakdown.

## **6.16 30% DESIGN DELIVERABLES**

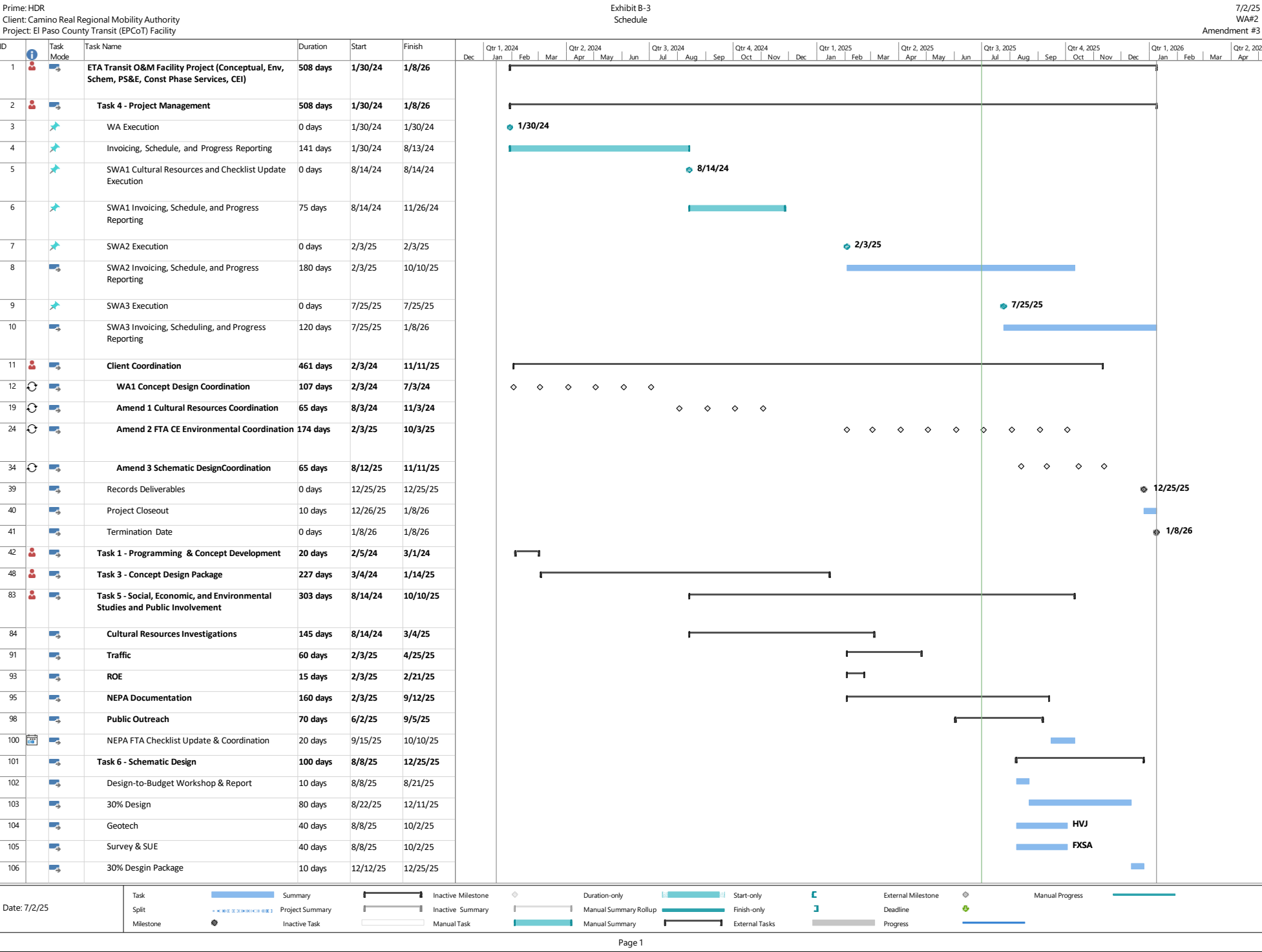
### **6.16.1 30% Design Package**

- 30% Design Drawings (Draft and Final (PDF Files))
- Draft Technical Specifications (TOC)
- Program to Plan Lock Report (delivered electronically via PDF) including:
  - Confirmed Space Needs Program and Concept Plan agreement (Spreadsheet)
  - Justification and explanation of plan resolution changes.
- Basis of Design Report (Draft and Final) including:
  - Final Space Needs Program
  - Design Narratives
  - Appendices:
    - Reduced 30% Design One Line Drawings
    - Property Survey
    - Preliminary Geotechnical Report
    - Preliminary Drainage Study
- Industrial Equipment Coordination Guide
  - Maintenance Equipment List with Cost Data
  - Maintenance Equipment cut sheets and discipline coordination sheets
- Code Analysis
- 30% Design Cost Estimate
- Colored Perspective Renderings
- Pre-Application Meeting Findings

### **6.17 30% Design Travel**

- Six people for two days to attend Design to Budget Workshop (6.1.1)
- One person for two days to perform site reconnaissance (6.4)
- Two people for three days to inventory existing industrial/shop equipment and conduct equipment programming meetings. (6.6)
- Two People for two days to review the equipment list and equipment layout drawings. (6.6)
- One person for two days to coordinate with electrical utility (6.9)

## El Paso County, TX



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EXHIBIT C-3  
FEE SCHEDULE

TASK		SUBTOTAL TASK 4	SUBTOTAL TASK 6	ODE	Total	DBE % of Total WA
		Project Management and Administration	30% Schematic Design			
Firm	DBE	Labor	Labor			
HDR Engineering, Inc.	NO	\$ 88,477.50	\$ 508,425.19	\$14,888.25	\$ 611,790.94	N/A
Frank X Spencer and Associates, Inc.	YES	\$ 5,234.29	\$ 38,129.47	\$15,580.00	\$ 58,943.76	8.44%
HVJ Associates, Inc	YES	\$ -	\$ 17,800.44	\$9,873.60	\$ 27,674.04	3.96%
		\$ 93,711.79	\$ 564,355.10	\$ 40,341.85	\$ 698,408.74	12.40%

EXHIBIT C-3  
FEE SCHEDULE

Prime: HDR Engineering Inc

BUSINESS TASK ID	TASK DESCRIPTION	HDR Engineering, Inc.- Project Manager	HDR Engineering, Inc.- Deputy Project Manager	HDR Engineering, Inc.- Principal	HDR Engineering, Inc.- Senior Engineer	HDR Engineering, Inc.- Project Engineer	HDR Engineering, Inc.- Design Engineer	HDR Engineering, Inc.- Transportation Planner	HDR Engineering, Inc.-EIT 2	HDR Engineering, Inc.- EIT 1
CONTRACT RATE PER HOUR - SPECIFIED RATES										
	CONTRACT RATE PER HOUR:	\$ 342.56	\$ 256.92	\$ 356.83	\$ 256.92	\$ 185.55	\$ 157.01	\$ 185.55	\$ 119.90	\$ 99.91
4	Project Management and Administration									
4.1	Project Initiation	8	4	2	0	0	12			
4.2	Invoicing and Progress Reports	8	4		0	0	0			
4.3	Team Coordination	8	4		24	14	12	12	2	4
4.4	Quality Management	8	4	4	24	0	0			
4.5	Design Schedule	4	4	1	2			2		2
4.6	Model Management				2	0	48			
4.7	Subconsultant Oversight	8	4	1	8	8	4			
4.8	Meetings	8	4	4	20	10	10	4		
					0	0	0			
Sub-Total		52	28	12	80	32	86	18	2	6
CONTRACT RATE PER HOUR		\$ 342.56	\$ 256.92	\$ 356.83	\$ 256.92	\$ 185.55	\$ 157.01	\$ 185.55	\$ 119.90	\$ 99.91
SUBTOTAL LABOR COST		\$ 17,813.12	\$ 7,193.76	\$ 4,281.96	\$ 20,553.60	\$ 5,937.60	\$ 13,502.86	\$ 3,339.90	\$ 239.80	\$ 599.46
% Distribution of Staffing		13%	7%	3%	20%	8%	22%	5%	1%	2%
SUBTOTAL TASK 4										\$
6	30% Schematic Design									
6.1	Pre Design/Kick-Off	4			6	10	4	2	4	2
6.1.1	Cost Cutting Design Workshop	16	16			20		24		20
6.1.1	Program to Lock Report	8			2				8	8
6.1.2	Specifications				16	8	4	2		2
6.1.3	Colored Renderings								16	
6.1.4	BOD Report				72	16	8	16	12	16
6.2	Preliminary Geotechnical				40				0	
6.3	Survey					8			0	
6.4	Civil Design				12	24	16		80	
6.5	Architectural Design					24			80	
6.6	Industrial EQ							24	60	45
6.7	Structural Design				74	10				
6.8	Mechanical Design				60		108			
6.9	Electrical Design				40				60	
6.10	BEB Infrastructure				8		102			
6.11	Comms/Security Design					32			52	
6.12	Fire/Life safety				6	36	80		8	
6.13	Landscape Architecture								8	
6.14	Fueling Design				80	60	40		24	
6.15	Cost Estimating				40	4	4		2	
	Meetings	32	16	8	24	16	28	8	8	8
	QC	8		2	60	30	24	16	32	8
Sub-Total		68	32	10	540	298	418	92	454	109
CONTRACT RATE PER HOUR		\$ 342.56	\$ 256.92	\$ 356.83	\$ 256.92	\$ 185.55	\$ 157.01	\$ 185.55	\$ 119.90	\$ 99.91
SUBTOTAL LABOR COST		\$ 23,294.08	\$ 8,221.44	\$ 3,568.30	\$ 138,736.80	\$ 55,293.90	\$ 65,630.18	\$ 17,070.60	\$ 54,434.60	\$ 10,890.19
% Distribution of Staffing		3%	1%	0%	20%	11%	16%	3%	17%	4%
SUBTOTAL TASK 6										\$
TOTAL HOURS		120	60	22	620	330	504	110	456	115
CONTRACT RATE PER HOUR		\$ 342.56	\$ 256.92	\$ 356.83	\$ 256.92	\$ 185.55	\$ 157.01	\$ 185.55	\$ 119.90	\$ 99.91
TOTAL LABOR COST		\$ 41,107.20	\$ 15,415.20	\$ 7,850.26	\$ 159,290.40	\$ 61,231.50	\$ 79,133.04	\$ 20,410.50	\$ 54,674.40	\$ 11,489.65
% Distribution of Staffing		4%	2%	1%	20%	11%	16%	4%	15%	4%
TOTAL										\$

**EXHIBIT C-3**  
**FEE SCHEDULE**

Prime: HDR Engineering Inc

BUSINESS TASK ID	TASK DESCRIPTION	HDR Engineering, Inc.-Engineer Technician - Senior	HDR Engineering, Inc.-Administrative/Clerical	HDR Engineering, Inc.-Architect - Senior	HDR Engineering, Inc.-Architect III	TOTAL LABOR HRS AND COSTS
<b>CONTRACT RATE PER HOUR - SPECIFIED RATES</b>						
	<b>CONTRACT RATE PER HOUR:</b>	\$ 185.55	\$ 114.19	\$ 228.37	\$ 157.01	
<b>4</b>	<b>Project Management and Administration</b>					N/A
4.1	Project Initiation					30
4.2	Invoicing and Progress Reports					20
4.3	Team Coordination			16		96
4.4	Quality Management					40
4.5	Design Schedule					15
4.6	Model Management	12		8		70
4.7	Subconsultant Oversight			12		45
4.8	Meetings		12	8		80
						0
	<b>Sub-Total</b>	12	24	44	0	396
	<b>CONTRACT RATE PER HOUR</b>	\$ 185.55	\$ 114.19	\$ 228.37	\$ 157.01	N/A
	<b>SUBTOTAL LABOR COST</b>	\$ 2,226.60	\$ 2,740.56	\$ 10,048.28	\$ -	\$ 88,477.50
	<b>% Distribution of Staffing</b>	3%	6%	11%	0%	100%
	<b>SUBTOTAL TASK 4</b>					<b>88,477.50</b>
<b>6</b>	<b>30% Schematic Design</b>					N/A
6.1	Pre Design/Kick-Off			6	2	40
6.1.1	Cost Cutting Design Workshop			40	10	146
6.1.1	Program to Lock Report			8		42
6.1.2	Specifications		16	10		58
6.1.3	Colored Renderings			8	12	36
6.1.4	BOD Report		24	44	16	224
6.2	Preliminary Geotechnical					40
6.3	Survey					8
6.4	Civil Design			4		136
6.5	Architectural Design			142	32	278
6.6	Industrial EQ		16			145
6.7	Structural Design	120				204
6.8	Mechanical Design					168
6.9	Electrical Design					100
6.10	BEB Infrastructure					110
6.11	Comms/Security Design					84
6.12	Fire/Life safety			24	8	162
6.13	Landscape Architecture			20	20	48
6.14	Fueling Design					204
6.15	Cost Estimating			2	2	54
	Meetings		12	20	2	182
	QC		8	32	2	222
	<b>Sub-Total</b>	128	76	360	106	2691
	<b>CONTRACT RATE PER HOUR</b>	\$ 185.55	\$ 114.19	\$ 228.37	\$ 157.01	N/A
	<b>SUBTOTAL LABOR COST</b>	\$ 23,750.40	\$ 8,678.44	\$ 82,213.20	\$ 16,643.06	\$ 508,425.19
	<b>% Distribution of Staffing</b>	5%	3%	13%	4%	100%
	<b>SUBTOTAL TASK 6</b>					<b>508,425.19</b>
	<b>TOTAL HOURS</b>	140	100	404	106	3087
	<b>CONTRACT RATE PER HOUR</b>	\$ 185.55	\$ 114.19	\$ 228.37	\$ 157.01	N/A
	<b>TOTAL LABOR COST</b>	\$ 25,977.00	\$ 11,419.00	\$ 92,261.48	\$ 16,643.06	\$ 596,902.69
	<b>% Distribution of Staffing</b>	5%	3%	13%	3%	100%
	<b>TOTAL</b>					<b>596,902.69</b>

PROJECT: CRRMA 2022 IDC Master Contract

HDR Engineering, Inc.  
OTHER DIRECT EXPENSES

FIRM	CATEGORY	SERVICES TO BE PROVIDED	UNIT	RATE	QUANTITY	COST
HDR Engineering, Inc.	Travel	Mileage (or at current state rate, whichever is greater)	mile	\$0.710	500	\$355.00
HDR Engineering, Inc.	Travel	Lodging/Hotel - Taxes and Fees (or at current state rate, whichever is greater)	day/person	\$45.00	24	\$1,080.00
HDR Engineering, Inc.	Travel	Lodging/Hotel (Taxes/fees not included) (or at current state rate, whichever is greater)	day/person	\$110.00	2	\$220.00
HDR Engineering, Inc.	Travel	Meals (Excluding alcohol & tips) (Overnight stay required) (or at current state rate, whichever is greater)	day/person	\$68.00	24	\$1,632.00
HDR Engineering, Inc.	Travel	Air Travel (Round Trip)	Rd Trip/person	\$650.00	12	\$7,800.00
HDR Engineering, Inc.	Travel	Oversize, special handling or extra baggage airline fees	each	\$100.00	12	\$1,200.00
HDR Engineering, Inc.	Travel	Parking	day	\$30.00	24	\$720.00
HDR Engineering, Inc.	Travel	Rental Car (Includes taxes and fees; Insurance costs will not be reimbursed)	day	\$100.00	12	\$1,200.00
HDR Engineering, Inc.	Travel	Rental Car Fuel	gallon	\$5.00	35	\$175.00
HDR Engineering, Inc.	Administrative	Photocopies B/W (11" X 17")	each	\$0.25	125	\$31.25
HDR Engineering, Inc.	Administrative	Photocopies B/W (8 1/2" X 11")	each	\$0.15	125	\$18.75
HDR Engineering, Inc.	Administrative	Photocopies Color (11" X 17")	each	\$1.25	125	\$156.25
HDR Engineering, Inc.	Administrative	Photocopies Color (8 1/2" X 11")	each	\$1.00	125	\$125.00
HDR Engineering, Inc.	Administrative	Plots (Color on Bond)	per sq. ft.	\$1.75	100	\$175.00
					Total	\$14,888.25



Subconsultant: Frank X Spencer and Associates

BUSINESS TASK ID	TASK DESCRIPTION	Frank X Spencer and Associates, Inc.- Project Manager	Frank X Spencer and Associates, Inc.- CADD Operator	Frank X Spencer and Associates, Inc.- Senior Utility Coordinator	Frank X Spencer and Associates, Inc.-Sr. GIS Operator	Frank X Spencer and Associates, Inc.- GIS Specialist	Frank X Spencer and Associates, Inc.- Survey Project Manager	Frank X Spencer and Associates, Inc.-Registered Professional Land Surveyor	Frank X Spencer and Associates, Inc.-Sr. Survey Technician
CONTRACT RATE PER HOUR - SPECIFIED RATES									
CONTRACT RATE PER HOUR:		\$ 207.24	\$ 98.79	\$ 201.50	\$ 143.93	\$ 122.35	\$ 165.03	\$ 236.76	\$ 129.53
4	Project Management and Administration								
7.1	Project Planning and Coordination								
	Kick-off meeting with HDR								
	Texas 811 Coordination								
	Field Services: Two (2) Designating Person with equipment								
Sub-Total		\$	\$	\$	\$	\$	\$	\$	\$
CONTRACT RATE PER HOUR		207.24	98.79	201.50	143.93	122.35	165.03	236.76	129.53
SUBTOTAL LABOR COST		\$ 1,036.20	\$ 197.58	\$ 2,015.00	\$ -	\$ -	\$ -	\$ 710.28	\$ -
% Distribution of Staffing		18%	7%	36%	0%	0%	0%	11%	0%
SUBTOTAL TASK 4									
6	30% Schematic Design								
	Project Control - With Level Loop (2 Permanent Control Points)							0.5	
	Set 2 temporary benchmarks Rebar and Cap for Horizontal and Vertical Control Points				0.5			0.25	
	FEMA and CRMA/EPC benchmarks will also be tied in as needed.				0.5			0.25	
	Collection of Aerial LIDAR Data						0.5	1	18
	Processing of LIDAR Data				33		1	2	
	Supplemental Topographic and Improvement Data Collection of Obscured Areas							1	
	Measure all drainage structures, culverts, channels, arroyos, manholes inverts within survey limits							0.5	
	Prepare a topographic map detailing all existing above ground improvements, visible utilities within said survey limits					4		5	
	Records Search: Research EP records, deeds, plats, and maps of subject parcel and adjoiners							3	
	working sketch							2	
	Locate or reset the property corners of subject parcel							2	
	Determine ROW							3	
	Prepare a plat of survey					4		5	
	Prepare a metes and bounds description of the subject parcel							4	
	Planning Meeting and Coordination								
	(SUE Level D, C, B & A) Prepare Final Utility Map (Project Limits)	2	32	2					
	Deliver the Final Utility Map to Client	2							
	GC/CA	2						1	
Sub-Total		\$	\$ 32	\$ 13	\$ 33	\$	\$ 15	\$ 24.5	\$ 18
CONTRACT RATE PER HOUR		\$ 207.24	\$ 98.79	\$ 201.50	\$ 143.93	\$ 122.35	\$ 165.03	\$ 236.76	\$ 129.53
SUBTOTAL LABOR COST		\$ 1,450.68	\$ 3,161.28	\$ 2,418.00	\$ 4,749.69	\$ 978.80	\$ 247.55	\$ 5,800.62	\$ 2,331.54
% Distribution of Staffing		3%	12%	4%	12%	3%	1%	9%	7%
SUBTOTAL TASK 6									
TOTAL HOURS		14	34	22	33	4	15	27.5	18
CONTRACT RATE PER HOUR		\$ 207.24	\$ 98.79	\$ 201.50	\$ 143.93	\$ 122.35	\$ 165.03	\$ 236.76	\$ 129.53
TOTAL LABOR COST		\$ 2,486.88	\$ 3,358.86	\$ 4,433.00	\$ 4,749.69	\$ 978.80	\$ 247.55	\$ 6,510.90	\$ 2,331.54
% Distribution of Staffing		4%	11%	7%	11%	3%	1%	9%	6%
TOTAL									

Subconsultant: Frank X Spencer and Associates

BUSINESS TASK ID	TASK DESCRIPTION	Frank X Spencer and Associates, Inc.- Survey Technician	Frank X Spencer and Associates, Inc.- Survey Technician - GPS	Frank X Spencer and Associates, Inc.-2-man Survey Crew	Frank X Spencer and Associates, Inc.- Admin / Clerical (Surv)	TOTAL LABOR HRS AND COSTS
CONTRACT RATE PER HOUR - SPECIFIED RATES						
CONTRACT RATE PER HOUR:		\$ 110.76	\$ 113.75	\$ 188.59	\$ 64.78	
4	Project Management and Administration					N/A
7.1	Project Planning and Coordination					16
	Kick-off meeting with HDR					4
	Texas 811 Coordination					4
	Field Services: Two (2) Designating Person with equipment					4
Sub-Total		\$	\$ 0	\$	\$ 0	28
CONTRACT RATE PER HOUR		\$ 110.76	\$ 113.75	\$ 188.59	\$ 64.78	N/A
SUBTOTAL LABOR COST		\$ 332.28	\$ -	\$ 942.95	\$ -	\$ 5,234.29
% Distribution of Staffing		11%	0%	18%	0%	100%
SUBTOTAL TASK 4		\$				5,234.29
6	30% Schematic Design					N/A
	Project Control - With Level Loop (2 Permanent Control Points)	1				6.5
	Set 2 temporary benchmarks Rebar and Cap for Horizontal and Vertical Control Points	0.5				3.25
	FEMA and CRRMA/EP C benchmarks will also be tied in as needed.	0.5				3.25
	Collection of Aerial LIDAR Data		5.25			26.75
	Processing of LIDAR Data					36
	Supplemental Topographic and Improvement Data Collection of Obscured Areas					12
	Measure all drainage structures, culverts, channels, arroyos, manholes inverts within survey limits	1				6.5
	Prepare a topographic map detailing all existing above ground improvements, visible utilities within said survey limits	40				49
	Records Search: Research EP records, deeds, plats, and maps of subject parcel and adjoiners					10
	working sketch					10
	Locate or reset the property corners of subject parcel					11
	Determine ROW					10
	Prepare a plat of survey	24				31
	Prepare a metes and bounds description of the subject parcel	2				6
	Planning Meeting and Coordination					4
	(SUE Level D, C, B & A) Prepare Final Utility Map (Project Limits)					36
	Deliver the Final Utility Map to Client					6
	OC/OA					4
Sub-Total		98	5.25	28	4	271.25
CONTRACT RATE PER HOUR		\$ 110.76	\$ 113.75	\$ 188.59	\$ 64.78	N/A
SUBTOTAL LABOR COST		\$ 10,854.48	\$ 597.19	\$ 5,280.52	\$ 259.12	\$ 38,129.47
% Distribution of Staffing		36%	2%	10%	1%	100%
SUBTOTAL TASK 6		\$				38,129.47
TOTAL HOURS		101	5.25	34	4	299.25
CONTRACT RATE PER HOUR		\$ 110.76	\$ 113.75	\$ 188.59	\$ 64.78	N/A
TOTAL LABOR COST		\$ 11,186.76	\$ 597.19	\$ 6,223.47	\$ 259.12	\$ 43,363.76
% Distribution of Staffing		34%	2%	11%	1%	100%
TOTAL		\$				43,363.76

Prime: HDR  
Client: Camino Real Regional Mobility Authority  
Project: El Paso County Transit (EPCoT) Facility

EXHIBIT C-3  
FEE SCHEDULE

7/15/2025  
WA #2  
Amendment #3

PROJECT: CRRMA 2022 IDC Master Contract  
FRANK X SPENCER AND ASSOCIATES INC.  
OTHER DIRECT EXPENSES

FIRM	CATEGORY	SERVICES TO BE PROVIDED	UNIT	RATE	QUANTITY	COST
Frank X Spencer and Associates, Inc.	Surveying / ROW	Level C and D. Includes labor and equipment for records research, CADD, and mapping.	LF	\$0.82	19000	\$15,580.00
					Total	\$15,580.00

FIRM: HVJ Associates, Inc

BUSINESS TASK ID	TASK DESCRIPTION	HVJ Associates, Inc- Support Manager	HVJ Associates, Inc- Engineer (Senior)	HVJ Associates, Inc- Engineer (Project)	HVJ Associates, Inc- Engineer-In-Training II	HVJ Associates, Inc- Engineer Technician	HVJ Associates, Inc- Administrative/Clerical	TOTAL LABOR HRS AND COSTS
CONTRACT RATE PER HOUR - SPECIFIED RATES								
	CONTRACT RATE PER HOUR:	\$ 316.82	\$ 269.36	\$ 221.80	\$ 136.77	\$ 108.76	\$ 98.87	
6	30% Schematic Design							N/A
2	Field Activities	2	2	12	16	40	2	74
	Engineering & Report	2	2	12	18	40	4	40
	Sub-Total	4	6	24	34	40	6	114
	CONTRACT RATE PER HOUR	\$ 316.82	\$ 269.36	\$ 221.80	\$ 136.77	\$ 108.76	\$ 98.87	N/A
	SUBTOTAL LABOR COST	\$ 1,267.28	\$ 1,616.16	\$ 5,323.20	\$ 4,650.18	\$ 4,350.40	\$ 593.22	\$ 17,800.44
	% Distribution of Staffing	4%	5%	21%	30%	35%	5%	100%
	SUBTOTAL TASK 6		\$					17,800.44
	TOTAL HOURS	4	6	24	34	40	6	114
	CONTRACT RATE PER HOUR	\$ 316.82	\$ 269.36	\$ 221.80	\$ 136.77	\$ 108.76	\$ 98.87	N/A
	TOTAL LABOR COST	\$ 1,267.28	\$ 1,616.16	\$ 5,323.20	\$ 4,650.18	\$ 4,350.40	\$ 593.22	\$ 17,800.44
	% Distribution of Staffing	4%	5%	21%	30%	35%	5%	100%
	TOTAL		\$					17,800.44

Prime: HDR

Client: Camino Real Regional Mobility Authority

Project: El Paso County Transit (EPCoT) Facility

**EXHIBIT C  
FEE SCHEDULE**

7/15/2025

WA #2

Amendment #3

**PROJECT: CRRMA 2022 IDC Master Contract**

**HVJ ASSOCIATES, INC.**

**OTHER DIRECT EXPENSES**

FIRM	CATEGORY	SERVICES TO BE PROVIDED	UNIT	RATE	QUANTITY	COST
HVJ Associates, Inc	Travel	Mileage (Current state rate)	mile	\$0.710	180	\$127.80
HVJ Associates, Inc	Geotechnical / Materials	Mobilization and Demobilization of Drilling Rig (Trips within 100 miles from office to site)	trip	\$600.00	2	\$1,200.00
HVJ Associates, Inc	Geotechnical / Materials	Determining Moisture Content in Soil Materials	each	\$17.60	12	\$211.20
HVJ Associates, Inc	Geotechnical / Materials	Determining Liquid Limits of Soils	each	\$41.80	12	\$501.60
HVJ Associates, Inc	Geotechnical / Materials	Determining Plastic Soil Limits	each	\$41.80	12	\$501.60
HVJ Associates, Inc	Geotechnical / Materials	Calculating the Plasticity Index of Soils	each	\$16.50	12	\$198.00
HVJ Associates, Inc	Geotechnical / Materials	Particle Size Analysis of Soils	each	\$130.00	12	\$1,560.00
HVJ Associates, Inc	Geotechnical / Materials	Soil Boring with SPT	LF	\$33.60	109	\$3,662.40
HVJ Associates, Inc	Geotechnical / Materials	Unconfined Compressive Strength (Soil)	each	\$77.00	5	\$385.00
HVJ Associates, Inc	Geotechnical / Materials	Borehole Grouting - Bentonite Chips	LF	\$14.00	109	\$1,526.00
					Total	\$9,873.60