The following constitutes changes, deletions, additions, and/or clarifications to the contract documents for the project titled herein. This addendum is hereby made a part of and shall be attached to each set of Contract Documents. The Contractor on the proposal form shall acknowledge addendum. Unless specifically modified herein, all work shall remain as indicated in the Contract Documents.

1. Response to Addendum 5 questions are provided with this addendum.

TECHNICAL SPECIFICATIONS

1. Bid Proposal Form and Invitation for Bids: Replace Bid Proposal Form and Invitation to Bids pages 8 through 11 provided with this addendum 5. (Alternates No 1-9)

2. Table of Contents:
   a. Delete Section 03 35 36 – Acid Stain Concrete Finish and replace with Section 03 35 21 – Concrete Finishes.
   b. Add Section 09 94 13 Texture Coating for Concrete Panels (2 pages) to Division 9 of the Table of Contents.

3. Section 01 23 00 – Alternates:
   a. Add: Alternate No. 9: Provide cost to apply stain finish at precast concrete panels in accordance with Section 03 35 21 in lieu of textured coating.

4. Section 03 35 21 – Concrete Finishes: Add section provided with this addendum.

5. Section 07 21 00 Building Insulation:
   b. Revise Article 2.2 Insulating Materials: add subparagraph F. More than 85% of the content by weight of AFT cellulose insulation is processed from recycled wood-based cellulose fibers. These fibers are chemically treated to create fire resistance. The additives are non-toxic, will not irritate normal skin, will not attract vermin or insects, and will not adversely affect other building materials. AFT complies with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976.
6. **Section 09 94 13 – Textured Coating for Concrete Panels**: Add section provided with this addendum.

7. **Section 12 42 13 – Manual Roller Shades**: Revise the following:
   a. Paragraph 2.1 Manufacturers, delete subparagraph C in its entirety.
   b. Paragraph 2.3 Shade Cloth, delete items 1 through 5.
   c. Paragraph 3.3 Installation, add subparagraph E. Install roller shades on all windows to include the Lobby area.

8. **Section 32 31 00 – Chain Link Fences and Gates**: Revise Paragraph 2.2 Components subparagraphs with the following changes:
   a. A. Line Posts: 2.88 inch diameter.
   b. B. Corner and Terminal Posts: 3.50 inch diameter.
   c. G. Gate Posts: 6.00 inch diameter.
   d. H. Gate Frame: 2.00 inch diameter for fittings and truss rod fabrication.

**CONSTRUCTION DRAWINGS**

1. Architectural:
   a. Sheet AC-104 – Temporary Construction Site Control Plan: Add sheet provided with this addendum.
   b. Sheet A-102A- Partial 2nd Floor / Guardrail Detail: Add sheet provided with this addendum.
   c. Sheet A402 - Enlarge Floor Plans Sections And Details – Add Elevator Waterproofing detail Sheet A402A provided with this addendum.
   d. Sheet A-403 – Courtroom Enlarged Floor Plan and Interior Elevations: Add sheet provided with this addendum.
   e. Sheet H-101 – Demolition Plan: Replace sheet with H-101R with provided with this addendum.

   Interior Design:
   a. Sheet AI-111A- Juvenile Probation Dept. First Floor: Add section provided with this addendum.
   b. Sheet AI-111B - Juvenile Probation Dept. First Floor: Add section provided with this addendum.

2. Civil:
   a. Location and limits of new chain link fencing given on Sheet C-5-A provided with this addendum.
   b. Delete Details 12 on Sheet C-11 and replace with details given on Sheets C-11-A & C-11-B provided with this addendum.
   c. Refer to Asphalt Pavement Parking Lot and Access Road drawing for required depths of pavement layers provided with this addendum.

**ADDENDUM NUMBER FIVE**
D. Delete Inlet Data Table on Sheet C-12 and replace with the New Inlet Data Table given on Sheet C-12-A provided with this addendum.

3. Structural
   A. Add details sheets for Exit Stair Plan; Stair Detail; Concrete Landing Detail; Concrete Footing & Foundation Detail; 2nd Floor Framing Detail; Exterior Stair Plan; Main Stair Plan; Concrete Slab Detail given in Sheets AS-1 through AS-9 provided with this addendum.

4. Plumbing:
   A. Sheet P-102 Plumbing Site Plan:
      1. Modify the site plan drawing with revised gas main relocations and abandonment and fire water main information as given on Partial Plumbing Site Plan provided with this addendum.
      2. Replace notes with those given on Sheet 2 of 2 for the Plumbing Remodel Notes and Plumbing Demolition Notes provided with this addendum.

5. Electrical:
   A. Sheet E5.01 – First Floor Special Systems Plan: Add an additional keyed note #23 to card reader symbol on exterior door #143A located next to Room 139.
   B. Sheet 5.02 – Second Floor Special Systems Plan: Add an outlet box and conduit provisions for door access card reader at First Floor elevator door. Coordinate location with Architect and elevator supplier.
ADDENDUM 5

To: All Interested Proposers

From: Linda Mena, Inventory Bid Technician

Date: May 13, 2010

Subject: BID # 10-024, Construction Improvements for the Juvenile Justice Center

The Purchasing Department received questions relating to the above referenced Bid; the response to the following questions:

1. Can you direct me to the specification section for the Door Access Control system shown on the Special Systems drawings?
   A= See Section 08 71 00, included in Addendum No. 3

2. In section 28 20 00 of the specification it refers to Digital Video Recorder. The recorder specified is a 16 camera unit and there are more than 16 cameras shown on the plans. Are all cameras to be connected to multiple DVR’s?
   A= All cameras are to be connected on multiple dvr units. See addendum item regarding specification section 28 20 00.

3. Will the County of El Paso allow plant-cast Tilt-Up Precast Concrete Wall Panels as an alternate to site-cast Tilt-Up Precast Wall Panels? The limitation of the plant-cast panel is the maximum width of 13’-11 1⁄4” (i.e. 21’-0” site-cast width would be two plant-cast panels at 10’-6” width). One valid reason to use plant-cast panels is to minimize the jobsite impact by casting the panels in a separate location and delivering the panels by truck to the jobsite as they are erected in place.
   A= No. This will not be feasible from a design standpoint, it will require to re-design the concrete panels, window locations etc...
**Specification: 09 51 12 ACOUSTICAL TILE CEILINGS**

4. Tectum Wall panels are called out for in the specification section 09 51 12 ACOUSTICAL TILE CEILINGS (page 8) at courtroom walls, but nothing is shown on the elevations or on the finish plan. Please indicate exactly where these are located and provide dimensions in order to properly quantify.

   \[A= \text{See replaced Interior Design Sheets in addendum No. 3}\]

**Specification: 04 42 00 STONE MASONRY VENEER**

5. There is a specification for 04 42 00 STONE MASONRY VENEER, but the elevations do not identify any. Please indicate where this is located

   \[A= \text{Refer to Addendum No. 3 questions, item No. 12}\]

**Specification: 32 32 25 ROCK MASONRY WORK**

Drawing No.: AC-101, AC-102

6. There is a specification for 32 32 25 ROCK MASONRY WORK, but the civil drawings or site architectural drawings do not identify where this work is located. Please advice

   \[A= \text{Refer to Addendum No. 3 questions, item No. 18}\]

**Specification: 09 51 12 ACOUSTICAL TILE CEILINGS**

Drawing No.: A-103, A-104

7. Referencing the Ceiling Legend on A-103 & A-104, the ceiling type is C1, but the specifications indicate a ceiling type ACT-1. Please confirm that these are the same.

   \[A= \text{Referred ceiling types are the same product.}\]

   Drawing No.: AC-101, AC-103

8. There are precast lighted bollards identified on sheet AC-101 detailed on sheet AC-103, but no specifications have been provided. Please provide specifications.

   \[A= \text{The bollards are to be furnished under specification Section 26 51 00 under Alternate #7 and are a Type 'T' fixture.}\]

   Drawing No.: AC-103

9. Referencing the detail for the precast lighted bollards, electrical is said to be by others. Please confirm, as there are no references on the electrical drawings for power and/or lighting relating to these bollards.

   \[A= \text{First Floor lighting plan on Sheet E1.0 shows the location of the bollard fixtures, Type 'T', and the power circuiting.}\]

**Specification: 32 31 00 CHAIN LINK FENCES AND GATES**

Drawing No.: C-5, C-9, C-11

10. Note no. 2 (14’ High Security Chain Link Fence) on C-5 refers you to details on C-9. However, C-9 is a drainage plan. Confirm that the note should refer to C-11.
A= On sheet C-3 of the project plans delete wording on keyed note 2; substitute with the following words: New 14’ Security Chain Link fence and Gate. See Sheet C-11 for details.

Specification: 32 31 00 CHAIN LINK FENCES AND GATES
Drawing No.: C-5
11. Referencing Note No. 2 on C-5 (14’ High Security Chain Link Fence), the drawings show the fence attaching to the south side of the building, but does not indicate the path of the fence or where the fence terminates. Please advice.
A= See sheet C-5-A provided in this addendum.

Specification: 32 31 00 CHAIN LINK FENCES AND GATES
Drawing No.: C-5
12. Specification section 32 31 00 CHAIN LINK FENCES AND GATES indicates that the fence post are sized at a 2.88” diameter and fabric is sized as a 2” 9ga. diamond mesh, but the fence details on C-11 indicate a 3-1/2”x3-1/2” roll formed terminal post with 1-3/4” x 1-3/4” gaw mesh, 11ga. Please indicate the correct material for the fencing components.
A= On Sheet C-11 delete “12’Fence with 2’ Barbed Wire & Chain link Sliding Gate Fence”; substitute with Sheets C-11-A & C-11-B provided with this addendum.

Specification: 05 50 00 METAL FABRICATIONS
Drawing No.: A201, A501
A= Clarification, there is no Sheet A5.02, the Sheet A2.01 should reference sheet A5.01.

Specification: 05 50 00 METAL FABRICATIONS
Drawing No.: A201, A501
14. There are no specifications or structural drawings for the steel stairs shown on A201 and A501. Please forward this information and structural design.
A= Drawings are provided as part of this Addendum No. 4

Drawing No.: A501
15. Are the stair treads on the stairs show on A501 concrete pan filled, precast or steel diamond plate?
A= Concrete pan filled.

16. Confirm that all 3rd Party Testing and Inspection is by the owner. In section 01 45 00 QUALITY CONTROL, it states that it is by the contractor unless noted otherwise. In other specification sections it states that the owner is engaging the testing agency. Please advise what, if any, trades that will require testing paid for by the contractor.
A= Each Specification Section refers to who is to perform Quality Control.
17. Section 084523 Translucent Panel Unit Systems has many items identified as optional (i.e. screens). There aren’t any alternates associated with this portion of work. Please advice.
   A= Refer to Section 08 45 23 provided in Addendum No. 3.

18. Since there is not a phasing plan provided, are we to assume that the areas where the new construction ties into the existing will be vacated and unoccupied? If not, please provide a phasing plan.
   A= A Temporary Construction Site Control Plan (TCS Plan) is attached to this addendum. First floor of the existing building will be vacated during the construction. However, it is the intent of the County to have the majority of the second floor operational. JPD understand that some coordination will be necessary and disturbance will occur when new structure is to be tied into the existing second floor and roof or when the elevator will be removed and floor patched. Also refer to drawing H101R, provided in Addendum No. 3

19. No phasing plan has been provided for the site work. Since this is an active facility, please indicate the phasing of the parking lot/site work.
   A= A Temporary Construction Site Control Plan is attached to this addendum.

20. Will onsite parking be made available free of charge for all workers on this project?
   A= Parking spaces will be available at the site of the former Western Playland parking area at Ascarate Park. The County is not responsible for any vehicle or equipment parked at this location. The JPD parking will not be available for the Contractor’s parking needs. Refer to TCS Plan for staging area for potential parking space.

21. Are there any special security programs in place that we should be made aware of while performing work at this facility? If so, please provide.
   A= Refer to Addendum No. 3 questions, item No. 3

22. Will work be performed behind and/or within a secured environment? Will there be a security check-in and check-out required for each and every worker? If so, please provide the procedures to be followed. Will this be a couple of minutes each way or an hour plus each way?
   A= Refer to Addendum No. 3 questions, item No. 3

23. Please verify that all permit costs and associated fees are not to be included in the bid price. If this is incorrect, please indicate the value to be carried in the estimate.
   A= Refer to Addendum No. 3 questions, item No. 21

Specification: 08 71 00 DOOR HARDWARE
Drawing No.: A-601
24. It was stated at the pre-bid meeting that there is a hardware discrepancy in the specifications. Please provide a new hardware schedule indicating these changes.
   A= Refer to Section 08 71 00 in Addendum No. 3

25. The elevator specification indicates that the hoist way, demolition, supports, foundations etc... will be performed by others. Please confirm.
   A= The specification refers only to the Elevator and work associated with itself. Work performed "by others" refers to work to be performed by other subcontractors [hired by GC] in preparation to the installation of the elevator.

26. There is a card reader identified as “Optional Equipment” in specification section 14 21 23. There isn’t any alternate identified on the bid form for this item. Please advice.
   A= The elevator shall have a card reader device installed. Refer to Section 08 71 00, in Addendum No. 3.

27. The wall sections indicate “07 21 00 R-13 Blown-In Cellulose Insulation”. Section 07 21 00 BUILDING INSULATION does not indicate this type of insulation. Please advice.
   A= See section added information Section 07 21 00 paragraphs 2.1.3, 2.2.F and 3.4.G provided with this addendum.

28. Referencing sheet A-302 Wall Sections, there are notes associated with each specification section. (i.e. 03 30 00.C1, 03 47 13.A1, and many others). What do the ".C1" and ".A1" type extensions stand for?
   A= These extensions are only to differentiate materials with the same spec section number.

29. There are notes referencing Alternates 1 and 2 under the Legend on sheets AC-101 and AC-102. In section 01 23 00 ALTERNATES, these stated alternates are not site related. Please advice.
   A= Disregard that particular note under the "Site Legend", however pay attention to the "Site Keyed Notes", where note "A" refers you to Alternate No. 7 Concrete Bollards.

30. The geotechnical report indicates that there is a substantial amount of over-excavation, soil haul off and imported select fill being required for this project. Does the county have a borrow site for the select fill?
   A= Excavation for the off-site storm water pond area including new drain flume and main pipe to the new ponding will be completed by the County own forces (Refer to C2). Fill of the on-site existing storm water pond will also be completed by the County. The County representative confirmed that there is no borrow pit available for this project. Excess dirt, if any, will be accepted by Ascarate Park next door.
31. Detail H on C-11 indicates “12” select fill as specified under Earthwork section. The earthwork specifications and the geotechnical report do not identify any select fill required at the site paving or curbs. Please indicate if select fill is required outside the building area and provide the required depths of select fill in these locations.
   
   A= Select Fill is specified on Section 31 20 00 Earthwork, part 2.2 of the project specifications; it is also called for on pages 14, 15 and 16 of 18 in the Geotechnical Soils Report. See attached sheet Detail "A" Asphalt Pavement on Parking Lot and Access Road.

32. There are symbols for fire extinguishers on the 2nd Floor and three (3) on the 1st Floor without any labeling? Do we price only the labeled ones or will this be amended?
   
   A= Sheet G-101 "Building Occupancy Plan, Fire Hydrant & Accessible Route Plan", shows 7 fire extinguishers on the first floor. Refer to drawing G-101A provided in Addendum No. 3.

33. Is there any Hazardous Materials present on this project? If so, is the county to perform the abatement prior to start of construction?
   
   A= According to the asbestos report, the existing structure is free of ACM's.

34. Please indicate where onsite the trees identified to be relocated are to be placed.
   
   A= See Alternate #8 in Addendum No 3

35. Please identify the finish of the drop inlet grates detailed on C-12.
   
   A= See sheet C-12-B provided in this addendum.

36. Please confirm that the gas line and meter are to be installed/relocated by the Gas Company and not the General Contractor.
   
   A= Gas line and meter to be relocated by the gas utility with the Contractor paying the bill. The Contractor should include an allowance of $10,000.00 for this gas meter and line relocation.

37. Are there any special baffles required at the waste lines in the holding cell areas?
   
   A= No special baffles are required for this project.

38. Will the pre-bid meeting sign in sheet be posted in a future addendum?
   
   A= see Attachment I

39. Please provide specifications for the ”12.48.19 Entrance Floor Grille” indicated in Rm. 001 VESTIBULE on sheet A-101.
   
   A= Refer to Addendum No 3 questions, item No. 19

40. Is there an Entrance Floor Grille as you enter Rm. 002 as well as Rm. 001?
   
   A= Yes, as per plan, also refer to previous question.
41. The two open to below areas just west of rooms 219 & 220 border along a corridor. Please indicate the type of fall protection to be constructed here. Is it to be a type of railing or a wall? Please advice.
   
   A= It is a railing. A detail is provided in this addendum.

42. Is the furniture, fixed seating and other furnishings shown on the furniture plan to be purchased and installed under another contract?
   
   A= Yes, the county will have a separate contract for FF&E.

43. The Demolition Plan H-101 does not identify any single objects that are to be removed. This plan only shows dashed lines indicating what is to be removed, but doesn’t identify what these items are. Please provide a detailed demolition plan.
   
   A= Remove everything indicated with dashed lines.

44. Is the existing elevator to be removed? If so, please provide structural details on how the 1st and 2nd floors are to be patched.
   
   A= Drawing is provided with this addendum.

45. Under section 02 41 16 SELECTIVE STRUCTURAL DEMOLITION it state that salvageable items are to be turned over to the owner, but drawings H-101 indicates that the owner has already removed all items of salvageable value. Which is correct?
   
   A= Refer to Addendum No. 3 questions, item No. 11

46. Are there any waterproofing requirements at the elevator pit?
   
   If so, please provide the specifications.
   
   A= Detail is provided with this addendum.

47. There is a specification section 10 75 00 flagpoles, but there aren’t any flagpoles indicated on the drawing. Please advice.
   
   A= There will be no flagpoles for this project.

48. Regarding Alternative No. 3 and section 01 91 00, please clarify who is responsible for the hiring of the Commissioning Authority (CA) (owner, architect, or the GC). Since commissioning starts with the design, the Architect normally hires the CA during the design phase. Please confirm advice if the GC will be responsible to hire the CA.
   
   A= Refer to Addendum No. 3 questions, item No. 8
BID FORM (LUMP SUM CONTRACT)

Place  County of El Paso Purchasing Department

Date______________

Project No. 10-024

Proposal of ______________ (hereinafter called Bidder), a corporation organized under the laws of the State of ___________/a partnership/an individual doing business as ________________(strike out inapplicable references).

To the ________________ (hereinafter called Owner).

Gentlemen:

The Bidder, in compliance with your invitation for bids for the construction of the Construction Improvements for the Juvenile Justice Center that consists of the following:

The project consists of but is not limited to the following:

BASE BID: New additions of approximately 23,385 square-feet and 3,000 square-feet of renovation to be integrated and connected to the existing Juvenile Probation Department located at 6314 Delta Drive, El Paso, Texas 79905. Two new additions are a 2-story and a 1-story concrete tilt-up panels, steel frame, SBS modified bituminous roofing, aluminum storefront and fixed insulated windows, finishes, passenger elevator, landscaping and site improvements as per Plans and Specifications.

Having examined the plans and specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies: and to construct the project in accordance with the Contract Documents within the time set forth herein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

Bidder hereby agrees to commence work under this contract on or before a date to be specified in a written “Notice to Proceed” by the Owner, substantial completion of the project within 244 consecutive calendar days thereafter, and final completion of the project within 91 consecutive calendar days as stipulated in the specifications. Bidder further agrees to pay as liquidated damages, the sum of $200.00 for each consecutive calendar day thereafter as hereinafter provided in the GENERAL CONDITIONS.

Bidder acknowledges receipt of the following addenda:

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BASE PROPOSAL: Bidder agrees to perform all of Work described in Base Bid as necessary and work described in the specifications and shown on the plans for the sum of
**Base Bid**

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternates**

**Alternate No. 1:** Provide and install a new day lighting dimming system in lieu of dual switch base bid system as shown on plans and specifications.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 2:** Provide and install surveillance cameras and wiring as shown on plans and specifications.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 3:** Provide new energy system commissioning as per plans and specifications.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 4:** Provide and install new screens and projectors as shown on plans and specifications. Wiring and preparation for screens and projectors shall be included in Base Bid.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 5:** Provide and install bulletproof glazing at front entrance doors and windows as shown on plans and specifications.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 6:** Provide and install new decorative metal grille (brise-soleil) at entrance wall as shown on plans and specifications.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 7:** Provide and install new concrete decorative bollards at selected areas as shown on plans and specifications.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 8:** Relocate twelve (12) palm trees within the project site as directed by Owner.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

**Alternate No 9:** Provide cost to apply stain finish at precast concrete panels in accordance with Section 03 35 21 in lieu of textured coating.

($________________________) __________________________________________________
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern).

*In the evaluation and comparison of bids, the lowest bidder will be determined based on the sum of the Base Bid and accepted Alternates.*
INVITATION FOR BIDS

(Must be modified if applicable State or local law so requires)

The County of El Paso will receive Bids for Construction Improvements for the Juvenile Justice Center, Bid #10-024, until 2:00 P.M., on Friday, May 28, 2010, at the County Purchasing Department, 800 East Overland, Rm 300, El Paso, Texas 79901 at which time and place all bids will be publicly opened and read aloud. Any questions or additional information required by interested vendors must be submitted in writing to the attention of the County Purchasing Agent before Tuesday, April 27, 2010 at 12:00 p.m. Questions can be faxed to (915)-546-8180.

A pre-bid conference and a walk-thru will be held on Wednesday, April 21, 2010 at 10:00 a.m. in the Gym of the Enrique Pena, Jr. Juvenile Justice Center located at 6400 Delta Drive, El Paso, Texas 79905.

Bids are invited upon the work as follow:

BASE BID: Bidder agrees to perform all work described in the Plans and Specifications.

ALTERNATES:
Alternate No. 1: Provide and install a new day lighting dimming system in lieu of dual switch base bid system as shown on plans and specifications.
Alternate No 2: Provide and install surveillance cameras and wiring as shown on plans and specifications.
Alternate No 3: Provide new energy system commissioning as per plans and specifications.
Alternate No 4: Provide and install new screens and projectors as shown on plans and specifications. Wiring and preparation for screens and projectors shall be included in Base Bid.
Alternate No 5: Provide and install bulletproof glazing at front entrance doors and windows as shown on plans and specifications.
Alternate No 6: Provide and install new decorative metal grille (brise-soleil) at entrance wall as shown on plans and specifications.
Alternate No 7: Provide and install new concrete decorative bollards at selected areas as shown on plans and specifications.
Alternate No 8: Relocate twelve (12) palm trees within the project site as directed by Owner.
Alternate No 9: Provide cost to apply stain finish at precast concrete panels in accordance with Section 03 35 21 in lieu of textured coating.

Copies of the Contract Documents may be obtained for a non-refundable sum of $100.00 per set of the documents at the office of the County Purchasing Agent, 800 E. Overland, Rm. 300, El Paso, Texas 79901, telephone number (915) 546-2048. Payment for the Contract Documents may be by cash, check or money order payable to the order of El Paso County.
A certified check, payable to the order of El Paso County or a satisfactory Bid Bond in the amount equal to five percent (5%) of the total contract price, executed with a surety company authorized to do business in the State of Texas must be included in the bid package.

The Contractor must ensure that employees and applications for employment are not discriminated against because of their race, color, religion, sex, or national origin.

The County of El Paso reserves the right to reject any or all Bids or to waive any technicalities in the bidding process.

Bids may be held by the County of El Paso for a period not to exceed ninety (90) days, or such longer time as may be required by the funding agencies, from the date of the bid opening for the purpose of reviewing the bids and investigating the qualifications of Bidders, prior to awarding of the Contract.
SECTION 09 94 13 – TEXTURE COATING FOR CONCRETE PANELS

PART 1 - GENERAL

1.1 General Requirements

A. Each material Manufacturer and/or Supplier shall investigate the Drawings and Project Manual for the installation and use of their particular product for its intended use and performance.

B. If it is determined that the specified item is not proper for its intended use and performance, then the Architect shall be notified for correction. If the Architect is not notified prior to bidding, then the proper product and or installation, will be furnished and installed at no increase in cost.

C. Each Manufacturer or Supplier shall furnish a signed statement, with their shop drawing submittal stating that his/her product is the proper item for its intended use.

1.2 Summary

A. Includes but not limited to - exterior concrete tilt-up panels.
   1. Preparing and painting walls with texture coating as described in Contract Documents.

B. Related Sections
   1. General Conditions, Division 1, and Section 09 91 00 apply to this Section.

1.3 Submittals

A. Product Data: For texture coating system indicated.
   1. Material List: An inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
   2. Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each coating material.

B. Samples for Initial Selection: For each type of texture coat material indicated.

C. Qualification Data: For Applicator.

PART 2 - PRODUCTS

2.01 Mixes: Factory Formulated First line Products.

A. Flat Textured Finish –Fine, Medium or Coarse Texture as designated by Architect.

2.01 Manufacturers: Kwal Paint Inc. or an approved equal.

A. Flat textured finish
   1. First Coat: Kwal Paint 5801 Accu-Pro Epotilt Epoxy Modified 100% Acrylic Primer or an approved equal. Applied at a DFT of not less than 3.0 mils.
a. Alternate to First Coat – Power Wash after 30 days to remove bond breakers and 59-000 texture coat is Self-Priming.
2. Texture Coat: Kwal Paint 59-000 Series Sunfoe Texture Coating or an approved equal. Applied at a DFT of not less than 12.0 mils.
3. Finish Coat: Kwal Paint 6300 ACCU-PRO 100% Acrylic flat Finish or an approved equal. Applied at a DFT of not less than 1.5 mils.

PART 3 - EXECUTION

3.1 Application

A. New Work - at all exterior surfaces of all concrete tilt-up wall panels only. No exceptions – Contractor shall not paint electrical boxes, conduit, pipes or any item(s) other than the concrete panels.
1. See appropriate paragraphs in General Section 09 91 00.
   a. Texture and colors as selected by the Architect.

END OF SECTION 09 94 13
SECTION 03 35 21 - CONCRETE FINISHES

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Product specification for stained/polished concrete for Flooring (F-1)
B. Enhanced backing system.

1.2 RELATED SECTIONS

A. Section 01 25 13 for procedures for approval of product substitution.
B. Section 01 62 05 for environmental construction product requirements.
C. Section 09 65 13 for flooring accessories – Cove Base (B-1) and Transition moldings (B-2 thru B-7).

1.3 SUBMITTALS

A. Alternates to submitted under section 01 33 00 as per Architects instructions.
B. Product Data Sheet: Provide manufacturers data sheets on each product to be used, including:
   1. Surface preparation and instructions on floor grinding.
   2. Storage, handling requirements, and recommendations
   3. Installation methods.
C. Shop Drawings: comply with drawing AI-212 and AI-222 for locations.
D. Samples: For each finish product specified, two complete sets of color chips representing manufacturers full range of available colors and patterns. Prior to installation a 36 inch x 36 inch square will be provided with the specified color. Sample will be used to verify workmanship, quality, and consistency for the project.
E. Installers Project References: Submit list of successfully completed projects, including project name and location, name of architect, and type and quantity of decorative concrete floor finish systems applied.
F. Sustainability: Low VOC

1.4 CLOSEOUT SUBMITTALS

A. Maintenance data: provided MSDS cut sheet.
1.5 QUALITY ASSURANCE

A. Installer Qualifications:

1. Successful experience in application of similar decorative concrete floor finish systems.

2. Employ persons trained for application of decorative concrete floor finish systems.

B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.

1. Finish areas designated by the Architect.

2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Interior Designer.

3. Refinish mock-up area as required to produce acceptable work.

C. Single Source Responsibility: Concrete floor finish materials shall be products of a single manufacturer.

D. Installation Meeting: Convene a meeting before the start of the application of concrete floor finish system. Require attendance of parties directly affecting work of this section, including Contractor, Architect, and applicator. Review surface preparation, application, protection, and coordination with other work.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

C. Concrete Floor Wax and Concrete Floor Sealer: Keep away from ignition sources. Do not allow to freeze.

D. Handling: Protect materials during handling and application to prevent damage or contamination.

1.7 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits. WARRANTY.

B. Concrete Floor Stain: Do not apply when air or surface temperature is below 40 degrees F (4 degrees C).

C. Concrete Floor Sealer: Do not apply when air or surface temperature is below 55 degrees F (13 degrees C).
1.8 SEQUENCING
A. Prepare surface and apply concrete floor stain after other interior finish work is completed and before baseboards and trim are installed.

PART 2 - PRODUCTS

2.1 MANUFACTURER
A. Ameripolish, Polished Concrete Dye System and/or equal
B. Substitution: In accordance with section’s (012300), (012500), and architects instructions.

2.2 CONCRETE FLOOR STAIN
A. PRODUCT 1: Concrete Dye by AmeriPolish
   1. Type: AmeriPoslish water based dye. Added to concrete after two step process, of grinding and honing, have been completed.
   2. Color: Black with coordinating edge tint
   3. Color: Midnight black with coordinating edge tint
   4. Color: Slate Blue with edge coordinating edge tint.
B. PRODUCT 2: Concrete Hardener by BASF Chemical Co.
   1. Type: Lapidolith, magnesium-flurosilicate compound. Applied to concrete after dye / pigmentation process has been completed.
   2. V.O.C. compliant.
C. FLOOR SEALER: DNS400 Sprayable Sealer by AmeriPolish
   1. Type: Acrylic water-based sealer. Applied to concrete after polishing has been completed.
   2. Solid Content: 30 Percent
   3. Non-yellowing
   4. Clear gloss
   5. V.O.C. Compliant
   6. Quick Drying.
PART 3 - EXECUTION

3.1 INSTALLATION

A. Inspect project for any oil, dirt, wax, paint, adhesives, and other staining chemicals, in order to clean off the stains prior to commencing work.

B. Concrete Subfloors: Verify that concrete slabs comply with ASTM F 710. All floors to be leveled, all imperfections to be sanded down, all concrete repairs, holes, saw cuts, coring, performed by other trades must filled and leveled by the flooring contractor and installers.

C. Provide protection for all fixed walls, fixtures, and items that may be damaged during the installation.

D. Proceed with floor grinding to achieve peppered appearance, only after unsatisfactory conditions have been corrected.

E. Proceed with honing and smoothing of the concrete after grinding has been completed.

F. Completely clean floor surface of any remnants and/or dust. In order to achieve a consistent coloration the concrete dye will be sprayed on. No mopping will be allowed on this installation.

G. Completely clean floor surface of any remnants and/or dust, before applying concrete sealer.

H. Allow concrete sealer to completely dry before commencing final polish and/or burnishing.

I. Provide 3" border around perimeter with water based epoxy, to coordinate with concrete dye, along all walls and door ways.

3.2 PROTECTION

A. Protect decorative concrete floor finishes from damage during construction.

B. Protect concrete surfaces from foot traffic for a minimum of 24 hours.

C. Avoid washing concrete surfaces for a minimum of 48 hours.

D. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 03 35 21
PARTIAL 2nd FLOOR

SCALE: 1/8" - 1'-0"

ELEVATION GUARDRAIL

SCALE: 3/8" - 1'-0"

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ELEVATOR WATERPROOFING

A1

SCALE: 3/8" - 1'-0"

BITUMINOUS LIQUID
APPLIED WATERPROOFING
FONDA COAT BY SIPLAST
OR EQUAL
ALL AROUND ELEVATOR PIT WALLS
BY MANUFACTURER’S SPECS.
NEW 14' SECURITY CHAINLINK FENCE AND 5' WIDE GATE. SEE SHEET C-11 FOR DETAIL.

PROPOSED HANDRAIL AND CONCRETE STEM WALL. LENGTH= 28.5', SEE SHEET C-8 FOR DETAILS.
LOCK WIRE FOR BARBED WIRE PLACED INSIDE OF ARM

PROPOSED 3 STRANDS OF BARBED WIRE

PROPOSED 1.66" DIA. GALV. STEEL PIPE SCH. 40 TOP AND BRACE RAIL

2.0"X 2.0" GAW MESH, 9 GAGE ASTM A392

PROPOSED 3 1/2" DIA. GALV. STEEL PIPE SCH. 40 FOR TERMINAL POST OR 2.88" DIA. GALV. STEEL PIPE SCH. 40 FOR LINE POST

PROPOSED NATURAL GROUND

PROPOSED 3000 P.S.I CONCRETE FOOTING

NEW 12' FENCE WITH 2' BARBED WIRE

SHEET C-11-A

05/04/2010
NEW CHAIN LINK SLIDING GATE FENCE

NOT TO SCALE

SHEET C-11-B

05/04/2010
2" HOT-MIX ASPHALTIC CONCRETE
SURFACE COURSE (HMAC) Tx DOT ITEM
340, TYPE C, GRADE 3, AS PER ASTM D-1557

12" SELECT FILL
AS SPECIFIED UNDER EARTHWORK
SECTION AND AS APPROVED BY THE
ENGINEER WITH 95% COMPACTION
AS PER ASTM D-1557

6" CRUSHED STONE BASE
Tx DOT ITEM 247, TYPE A,
GRADE 3, 100% COMPACTION
ASTM D-1557

STANDARD CURB
AND GUTTER

VARIES SEE PLANS

ASPHALT PAVEMENT PARKING LOT
AND ACCESS ROAD
|       | INLET | TYPE | # GRAATES | RCP TOP | WATER ELEV. | SOFT ELEV. | PIPE DIAM. | RCP BOTTOM | RCP | 36" RCp | 3688.71 | 3691.82 | 3698.72 | INLET #1 | L. BOX | 1 6'-5" 1/2" |
|-------|-------|------|-----------|---------|-------------|-------------|------------|------------|------|--------|---------|---------|---------|-----------|--------|------------|            |
|       | INLET #1 | L  6'-5" 1/2" |          |         |             |             |            |            |      |        |         | 3681.75 | 3690.30 | 3692.45 | 2      |             |            |
|       | INLET #2 | L  6'-5" 1/2" |          |         |             |             |            |            |      |        |         | 3690.75 | 3692.50 | 3693.70 | 2      |             |            |
|       | INLET #1 | L  6'-5" 1/2" |          |         |             |             |            |            |      |        |         | 3687.57 | 3690.75 | 3692.50 | 2      |             |            |
|       | INLET #1 | L  6'-5" 1/2" |          |         |             |             |            |            |      |        |         | 3687.57 | 3690.47 | 3692.50 | 2      |             |            |
|       | INLET #1 | L  6'-5" 1/2" |          |         |             |             |            |            |      |        |         | 3687.57 | 3690.00 | 3692.50 | 2      |             |            |

NEW INLET DATA TABLE
MC 12x10.6 STRINGER

CONC. LANDING

PL 12x12x¾ W/4—
¾" O D. X 4" H.S. @
8" GA.

CONC. TILT-WALL

< 4x4x¾x0'-9",
WELD TO EMBED. PL

DETAIL

SC: 3/4" = 1' - 0"

Juvenile Probation Department
6314 Delta Drive, El Paso TX, 79905
NOTES:
1. FIELD VERIFY ALL DIMENSIONS.
2. NEW BEAMS TO BE EVENLY SPACED @ 4'± ON CENTERS.
EXIST. OPENING - VERIFY SIZE

CONC. SLAB ON 2" x 22
GA VL DECK REINF. W/ WWF 6x6W1.4xW1.4

< 3x3x1/4x0'-6"
W 6x9 (SET TO AVOID EXIST. < BRACES)

DETAIL

SC: 3/4" = 1'-0"

 Juvenile Probation Department
6314 Delta Drive, El Paso TX, 79905

AS–9

HENRY K. NG
50824
REG. PROFESSIONAL ENGINEER

5-4-2010

STATE OF TEXAS

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