

Border Patrol Facilities and Tactical Infrastructure & Air and Marine PMO
Wall Program - Project Requirements Document

PROJECT SUMMARY	
Project Name:	[As defined by project naming convention. Should also match TRIRIGA] Example: FC SDC (b) (7)(E) Agent Station
FM&E Project #:	[BPAM Project Analyst will assign once the PM creates the project in TRIRIGA] Example: PFWC-RP2005321
Program:	Tactical Infrastructure
Project Category:	Major Construction
Servicing Agency:	USACE
Location of the work to be performed:	El Paso Sector, (b) (7)(E)
Procurement Method:	IAA
Proposed contract type(s):	Design Build, MATOC
Project Length	(b) (7)(E)
Initial Cost Estimate:	(b)(3)
Total Risk Estimate:	(b)(3)
Planned Start Date:	(b) (5)
Planned End Date:	(b) (5)

Points of Contact (POC) and Roles

BPAM PMO POC	
Name	Role
(b) (6)	BPAM PMO Project Manager
	BPAM PMO Project Analyst
	BPAM Design Lead
	BPAM PMO Real Estate Lead
	BPAM PMO Environmental Lead
Service Provider POC	
Name	Role
(b) (6)	USACE Project Manager (Albuquerque District)
	USACE Program Manager

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(b) (6)	USACE Real Estate Lead
USBP POC	
Name	Role
(b) (6)	USBP Field Contact (San Diego Sector Mission Support Director)
(b) (6)	USBP Field Contact (El Paso Sector Operations Officer)
(b) (6)	USBP Headquarters, Tactical Infrastructure Director

Business Partner Requirement:

[This section should be developed by the Business Partner. It should detail the Mission Need and Operational Requirement being met by this project. If replacing a station or asset, indicate the requirement for the replacement, not the original requirement for the original asset. If project is requirement is born out of an FCA rather than a Business Partner requirement, reference the FCA by title and the year instead of reaching out to the Business Partner. It is acceptable to have some overlap in the Business Partner Requirement, The Project Description, and justification sections]

Project Description/Objective:

The project consists of the ~~demolishing-replacement of~~ the existing legacy vehicular fence, ~~constructing with~~ a new pedestrian (b) (7)(E) and the installation of (b) (7)(E) for the future deployment of (b) (7)(E). The existing all weather road shall remain and all new site work shall be constructed to ensure proper drainage and alignment with the existing roadway. The removal of the existing vehicular fence shall start (b) (7)(E) (b) (7)(E) shall be provided for at each international (b) (7)(E) location ~~and at~~ ~~x-miles-on-center~~. The installation of the (b) (7)(E) shall begin at the (b) (7)(E)

Commented [RS1]: (b) (7)(E)

The project will be a design-build construction project under a MATOC at USACE. The design and completed construction will be done in accordance with the most current CBP Tactical Infrastructure (TI) Design Standards.

Commented [RS2]: Need to verify...I thought they were using a (b) (7)(E)

The primary objective of this project is fence replacement and (b) (7)(E) installation. Secondary objectives, should available funding support, include the creation of a (b) (7)(E). Based on this acquisition strategy, the USACE shall include a (b) (7)(E). The fence replacement and (b) (7)(E) installation can be done within the existing (b) (5). The additional (b) (7)(E) will require additional land acquisition along the entire (b) (7)(E) length. These items will be included in the RFP as separate optional contract line items in the RFP. Details of these project features include:

Lighting:

Should funding support, (b) (7)(E) located within the approximate (b) (7)(E) but restrictions may dictate the location. The lights-lighting characteristics (quality and quantity) will be designed and constructed in accordance with the lighting design standards developed and confirmed as part of the (b) (7)(E) lighting retrofit project recently completed in (b) (7)(E). Fixtures that can accommodate a (b) (7)(E) may be used if deemed appropriate. If funding is available, the lights will be made fully functional as part of this project.

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Vegetation Clearing and Grading:

~~Should funding support. All~~ vegetation in the (b) (7)(E) will be cleared and existing grading shall match the contours of the existing all weather road.

(b) (7)(E) (b) (7)(E) (b) (7)(E) will be completed by USBP and provided to BPAM. Analysis will be required to ensure (b) (7)(E) does not occur. All technology will be provided by USBP. Infrastructure will be constructed ~~and funded~~ by BPAM ~~dependent on available funding.~~

Project Justification:

[Provide background information detailing the following things: Mission Capability Gap, Strategic Objective Met, Safety Env & Security, Amount of Space, Space Type & Configuration, Quality of Space, & Life Cycle Cost Reduction. It is acceptable to have some overlap in the Business Partner Requirement, The Project Description, and justification sections]

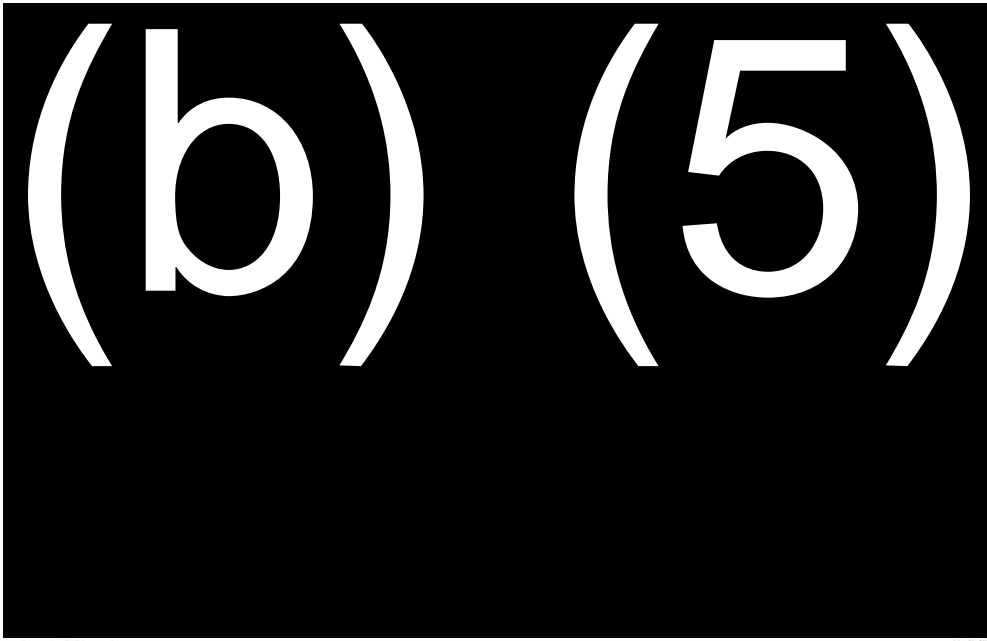
Under Executive Order (EO) 13767, CBP is directed to "...secure the southern border of the United States through the immediate construction of a physical wall on the southern border, monitored and supported by adequate personnel so as to prevent illegal immigration, drug and human trafficking, and acts of terrorism."

Diagrams/Exhibits/Conceptual Designs:

[CBP Design standard or industry standards, site adapt information, specs, floor plan references and architectural renderings if available. Be specific and provide as much detail as available. May also include pictures (with captions) of existing site conditions if applicable to design (e.g., existing fence to be replaced, dilapidated condition of existing dock), and for TI, perhaps a picture of a project utilizing a similar structure, if available. If the project is not using a design standard, provide an explanation as to why.]

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The project will be executed utilizing a design-build approach. All design work will be done in accordance with the most current CBP Tactical Infrastructure (TI) Design Standards.



Map Request 046 - 1117 Proposed Section
May 11, 2017
Figure #1: Project Location Map

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Figure #2: Pedestrian Fence Start Location



Figure #3: Existing "(b) (7)(E)" Vehicle Fence

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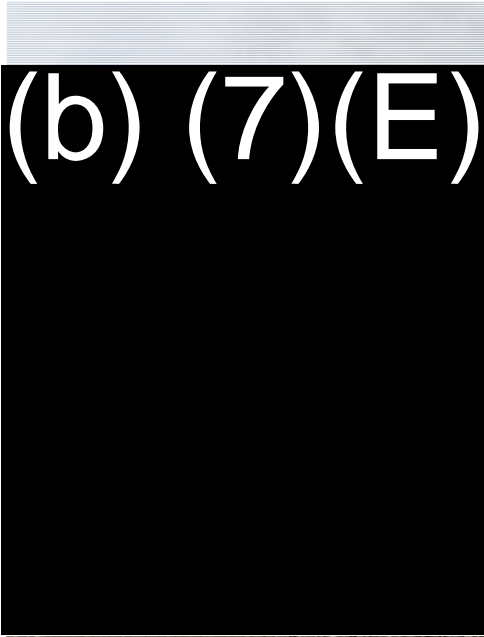


Figure #4: Existing "(b) (7)(E)" Vehicle Fence

Real Estate Acquisitions

[Describe the project's plan for acquiring RE, plans for doing market surveys (for new facilities land purchases), needed permits, easements, LSEs, or ROEs. Include market survey sites, top preferred site, alternative site and any other sites and photos. This is a high-level summary. Reach out to PMO Real Estate SME for assistance in compiling this section.]

Commented [JFP3]: (b) (6) WOULD YOU PLEASE FILL THIS IN? WE NEED TO LOOK INTO ACQ. (b) (7) BAND ON LAND NORTH OF THE BORDER.

Environmental

(b) (5)

. The BPAM Environmental Branch will coordinate with the appropriate stakeholders (e.g. DOI, USFWS, state, and local agencies) in conjunction with the overall CBP outreach program to identify sensitive areas or areas of concern within the project area and recommended mitigation. Surveys for cultural, biological, and natural resources will be conducted to identify potential impacts and best management practices (BMPs) to be implemented during construction. An Environmental Stewardship Plan (ESP) covering a specific fence segment or the sector will be prepared.

The Environmental Branch will provide oversight of BMP implementation during construction. Following construction, a survey of final site disturbance will be completed to determine actual environmental impacts

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and any needed mitigation. Mitigation and restoration efforts will be conducted as separate environmental projects for eah fence segment.

Commented [JFP4] (b) (6) PLEASE CONFIRM THIS IS CORRECT AND EDIT AS YOU DEEM FIT.

Miscellaneous: Approvals, Permitting, Interrelated Projects, Etc.

[Describe any additional required approvals from Federal, State and local agencies/governments (e.g. DOT, DOD, IBWC, CalTrans, etc.) that may need to be acquired for the project. This may include easements. List any interrelated project dependencies on other projects including projects such as Tactical Infrastructure, SBInet towers, OFO/LPOE, or projects within other agencies or private construction. The Acquisition Directive refers to this as "Interoperability." If there are risks associated with obtaining these permits (e.g. delay or non-approval), be sure to include those as risks in the risk register.]

Border Patrol has a number of technology programs (b) (7)(E), etc.) that shall be coordinated with this effort.

Maintenance and repair of the roadway within the project boundary shall be the responsibility of the contractor during construction, this shall be coordinated with the CTMR POC.

[IBWC approval will be required before construction can commence.](#)

Cost and Schedule Breakdown Structure

See Attachment A, Cost Estimate Workbook

Schedule of Deliverables:

Key Deliverables/ Milestones	Cost Est.	Start Date	FY17				FY18				FY19				End Date
			1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	
Project Management	\$XX	(b) (5)													(b) (5)
Real Estate	\$XX														
Environmental	\$XX														
Design	\$XX														
Construction	\$XX														
Construction Oversight	\$XX														
Other Costs: Mitigation	\$XX														
Servicing Agency Total:	\$XX														
Total:	\$XX														

Q1 Oct – Dec; Q2 Jan – Mar; Q3 Apr – Jun; Q4 Jul – Sep

Initial Total Cost Estimate:

[List key deliverables/milestones to be executed and their anticipated start date, duration and end date. Designate cost in the "Cost Est.". In order to determine cost estimates, a Cost Estimation form should be completed and submitted with this document incorporated as attachment A. Ensure all technology, furniture, and executing agency costs are included, as necessary. For the FM&E Costs column, if the costs are being handled by the BPAM PMO and not by the Servicing Agency,

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enter "Yes". For example, if Env is being handled in-house, indicate "Yes" in the FME Column. Other Costs" Include disposal, OIT, voice/data, etc. These other costs are in many cases FM&E costs. Do not include Servicing Agency Labor in this section for any of the other key deliverables (for example, labor in support of Real Estate should be rolled up under Real Estate) .In the totals section of the chart, total all non-FME costs to get "Servicing Agency Total." This will match the Servicing Agency Cost Estimate. Incorporate all costs (including FM&E costs, to get the overall total. Under the schedule section, place an X in any quarter where that activity is taking place. If environmental monitoring is included during the entirety of construction, the monitoring in the environmental schedule line should mimic the construction schedule line]

\$ Total Project Cost	FY17 (Design/Planning)	FY18 (Construction / Real Estate Acq.)
<input checked="" type="checkbox"/> BSFIT <input type="checkbox"/> O&M <input checked="" type="checkbox"/> D&D <input type="checkbox"/> O&S <input type="checkbox"/> PC&I	<input checked="" type="checkbox"/> BSFIT <input type="checkbox"/> O&M <input checked="" type="checkbox"/> D&D <input type="checkbox"/> O&S <input type="checkbox"/> PC&I	<input checked="" type="checkbox"/> BSFIT <input type="checkbox"/> O&M <input checked="" type="checkbox"/> D&D <input type="checkbox"/> O&S <input type="checkbox"/> PC&I
(b)(3)	Design and Planning (USACE): \$X CBP Costs: \$X Real Estate Acquisition: \$X	Construction: \$X Construction Oversight: \$X

Cost Assumption(s):

- Cost estimate is based upon ROM (b)(3)/mile x (b)(7)(E) = (b)(3)
- All estimates should be considered rough order of magnitude, -50/+100 as defined by the Project Management Body of Knowledge
- Primary fence replacement design assumes an (b)(7)(E)
- Cost per mile estimates for primary fence replacement construction includes construction and supply chain, planning/oversight, environmental
- Cost per mile does not account for site conditions not experienced during the construction of PF225, though impacts from unencountered site condition
- Estimates for "recurring costs" reflect average maintenance costs per mile of fence. Assumes the maintenance and repair costs
- Labor estimates include federal employee and contract support for project management and associated disciplines required to ramp up to construction
- Assumes the Secretary of the Department of Homeland Security issues a waiver of applicable environmental and land management l
- Outyear costs are calculated in 2016 dollars.
- Cost per mile for real estate is assumed to be (b)(3) in order acquire access and staging areas

Real Estate Assumptions

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Construction Assumptions

- The approved contractor will work with 4 crews and each crew will construct (b)(7)(E)

Design Assumptions

- The TI design guidelines shall be followed

Options Assumptions

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- A more refined cost estimate including all options will be determined during the Design Build RFP documentation.

Potential Project Risks/Mitigations:

Total Initial Risk Estimate	\$X
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See Attachment B, Risk Register

Interrelated Projects

[List any interrelated project dependencies on other projects including projects such as Military Deployment Constraints, Facilities, towers, or projects within other agencies or private construction. The Acquisition Directive refers to this as "Interoperability."]

#	Interrelated Projects
001	(b) (7)(E) Primary Fence Replacement Project
002	

Disposal Plan

The existing vehicular fence within the project boundary will be removed and disposed of following CBP protocols.

Attachments

Attachment #	Attachment Name
A	Cost Estimate Workbook
B	Risk Register

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CONCURRENCE & APPROVAL: Business Partner Mission Needs

Concurrence:

XXXXX, XXXX
US Border Patrol, XXXXX

Date

Approval:

(b) (6) Chief
US Border Patrol, Law Enforcement and Operations Directorate

Date

APPROVAL: Financial

(b) (6) Director, Business Operations Division (A)
BPAM PMO

Date

APPROVAL: Constructability

(b) (6), Branch Chief, Tactical Infrastructure
USACE, ECSO

Date

Concurrence:

(b) (6), Chief Engineer
BPAM PMO

Date

APPROVAL: Real Estate & Environmental

(b) (6), Branch Chief
BPAM PMO, Environmental and Real Estate Branch

Date

PROJECT APPROVAL

(b) (6), Program Manager
BPAM PMO, Wall Program

Date