

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

PROJECT SUMMARY	
Project Name:	Border Barrier System, RGV-1
FM&E Project #:	VANC-RP200613-A
Program:	Tactical Infrastructure
Project Category:	Major Construction
Servicing Agency:	USACE
Location of the work to be performed:	Rio Grande Valley Sector, Weslaco Station
Procurement Method:	IAA
Proposed contract type(s):	Design Bid Build
Project Length	(b) (7)(E)
Initial Cost Estimate:	(b) (5)
Total Risk Estimate:	(b) (5)
Planned Start Date:	July 2017
Planned End Date:	January 2019

Points of Contact (POC) and Roles

BPAM PMO POC	
Name	Role
(b) (6), (b) (7)(C)	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), (b) (7)(C)	USACE Project Manager (Galveston District)
	USACE Program Manager
	USACE Real Estate Lead
USBP POC	
Name	Role
(b) (6), (b) (7)(C)	USBP Field Contact (Rio Grande Valley Assistant Chief Patrol Agent: Technology, TI, and TACCOM)
	USBP Field Contact (Rio Grande Valley Sector)
	USBP Headquarters, Tactical Infrastructure Director

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Business Partner Requirement:

The construction of the levee wall along with supportive components (i.e. (b) (7)(E) system, all-weather road(s), surveillance system, lighting, the (b) (7)(E) cleared swath, etc.) comprising an enforcement zone is critical to RGV Sector's ability to prevent illegal entries (whether people, narcotics, etc.) and to achieve operational control of the border commensurate with Executive Order 13767.

The enforcement zone will be comprised of an engineered system of critical enforcement components that include the wall, lights, (b) (7)(E) and an all-weather road to facilitate proactive and concentrated patrol efforts. This system of capabilities will be arranged within a (b) (7)(E) wide footprint as measured from the concrete levee wall to (b) (7)(E) both of that point. The (b) (7)(E) wide swath of "enforcement zone" will run concurrent with and parallel to the levee wall throughout the project area. The resulting enforcement zone will facilitate the establishment of a preventative operational profile; which, in turn, will create and convey to the adversary an immediate certainty of detection and apprehension for any attempted breach.

Project Description/Objective:

The project consists of the construction of approximately (b) (7)(E) miles of tactical infrastructure and technology including a concrete levee wall with (b) (7)(E) tall bollards on the levee in the Rio Grande Valley (RGV) Weslaco Station's (b) (7)(E). The project is to be constructed along the levee north of the Lower RGV National Wildlife Refuge (Marinoff Tract) and the Santa Ana National Wildlife Refuge (b) (7)(E) (b) (7)(E). The project alignment will be on the south face of the northern U.S. IBWC levee along Maintenance Road. The (b) (7)(E) miles on the east end of the project will be included as a construction option in case real estate can not be obtained in a timely manner.

The project will be a design bid build construction project under an existing unrestricted horizontal MATOC at the USACE. The design and completed construction of the levee wall must be approved and certified for the FEMA national database for flood prevention. USACE, IBWC and other technical reviews will happen concurrently with team reviews.

The project will include the construction of a reinforced concrete levee wall to the height of (b) (7)(E) with (b) (7)(E) tall steel bollards installed on the top of the wall, (b) (7)(E) foot enforcement zone including vegetation removal, detection technology, enforcement zone lighting (b) (7)(E) and an all-weather patrol road parallel to the levee wall. The area outside of the road will be re-vegetated as deemed appropriate by environmental and USBP.

Levee Wall:

The levee wall will be a concrete wall (b) (7)(E) with (b) (7)(E) tall bollards installed in the top of the levee wall. The existing levees are certified by FEMA from a flood protection perspective so we will need to ensure the design and completed construction is re-certifiable, which we will likely be responsible for obtaining (IBWC will have final say). Levee safety reviews and an ITR will be conducted by USACE. The levee wall will include automated vehicle gates for access south of the levee wall.

Gates:

(b) (7)(E)

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levee wall that may require gating. Five openings would require vehicle gates and one opening would require a pedestrian gate. The actual number, location and type of the gates will be determined during the design phase.

(b) (7)(E) :
(b) (7)(E) in the enforcement zone. Its connection to the
(b) (7)(E) to make it operational will be the subject of a future project executed by USBP PMOD.

Lighting:

Enforcement zone LED lighting will be installed as part of this project. Ideally the light fixtures will be mounted on poles located within the (b) (7)(E) of the enforcement zone but compliance with floodplain restrictions may dictate that they be mounted on the levee wall or bollards. The lights will be designed and constructed in accordance with the lighting design standards developed and confirmed as part of the San Luis lighting retrofit project recently completed in Yuma, AZ. The lights will be made fully functional as part of this project. The PMO will work with the appropriate stakeholders to develop solutions to avoid excess lighting beyond the enforcement zone.

All Weather Road:

An all-weather aggregate patrol road (type FC-2) will be constructed on the south side and parallel to the levee wall and within the (b) (7)(E) enforcement zone. The specific location of the road within the enforcement zone will be determined during the design phase of the project.

Vegetation Clearing:

All vegetation in the (b) (7)(E) enforcement zone will be cleared.

Cameras:

(b) (7)(E)

Project Justification:

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:

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

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(b) (7) (E)

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O-21A South Point Wall (0.55 miles Brownsville, Texas)

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Acquisitions

(b) (7)(E) OF RGV-01 (Already Federally Owned)

Review of available property ownership information indicates that approximately (b) (7)(E) of the full extent of RGV-01 (b) (7)(E) is already owned in fee by the U.S. Government as shown on Exhibit A below. The custodial agency appears to be the U.S. Fish and Wildlife Service (USFWS). Part of the (b) (7)(E) is designated as the Lower Rio Grande National Wildlife Refuge (LRGNWR), and part is designated as the Santa Ana National Wildlife Refuge (SANWR).

In addition to consultation with USFWS, any of the required construction and vegetation clearing activities proposed on these properties as part of this project will require a special use permit from the USFWS or waiver executed by the Secretary of DHS waiving applicable federal laws governing authorized use of USFWS property.

Of note, there also appears to be parcel of privately-owned property with an access road leading to it. In real estate terms the parcel is known as an "inholding" because it is located within (i.e. carved out from) all of the other property between the levee and the river that is otherwise owned by USFWS. It is not adjacent to the levee, it is adjacent to the river. CBP will likely need to address the inholding owner's access, i.e. through a gate – which may or may not require compensation as well. However, this inholding issue will not be on the critical path for construction.

(b) (7)(E) OF RGV-01 (Appears to be owned by 1 private landowner)

Review of available property ownership information indicates that an approximate (b) (7)(E) section at the east end of the (b) (7)(E) of RGV-01, denoted by the yellow line in Exhibit A is owned by a private farming operation; this will need to be validated by further title research. It is possible the owner may be willing to sell the property as they have apparently let the property go fallow, and because it appears to be completely encumbered by IBWC's levee easement. However, it also possible that USFWS may have acquired that property, and the tax records don't reflect it. Acquisition of the private land, provided it is still privately held, would total less than 10-acres if we acquire to the northern extent of the levee easement. The private owner's property line extends approximately 60-feet south of the levee toe.

If the fee under the levee is indeed owned by USFWS, then a waiver will clear real estate for levee wall construction. However, if the levee footprint is owned in fee by the farmer, the standard real estate acquisition process will be required for construction of the levee wall. It is expected a waiver will clear real estate for the majority of the (b) (7)(E)-foot enforcement zone along this (b) (7)(E) stretch, because the portion south of the levee easement (b) (7)(E) owned by USFWS.

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(b) (7) (E)

Environmental

b(5)

Miscellaneous: Approvals, Permitting, Interrelated Projects, Etc.

U.S. International Boundary Water Commission's (IBWC) review and concurrence on barrier type and location.

Border Patrol has a number of technology programs (RVSS, TARS, etc.) that will need to be coordinated with this effort.

U.S. Fish & Wildlife Service coordination relative to the Santa Ana National Wildlife Refuge.

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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	(b)(5)	July 2017													January 2019
Real Estate		October 2017													May 2018
Environmental		July 2017													November 2017
Design		July 2017													October 2017
Construction		January 2018													January 2019
Construction Oversight		January 2018													January 2018
Other Costs: Mitigation															
Servicing Agency Total:															
Total:															

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

Initial Total Cost Estimate:

\$ 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 checked="" 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 type="checkbox"/> BSFIT <input type="checkbox"/> O&M <input checked="" type="checkbox"/> D&D <input type="checkbox"/> O&S <input checked="" type="checkbox"/> PC&I
\$53,000,000	Design and Planning (USACE): \$5,100,000 CBP Costs: \$1,165,000 Real Estate Acquisition: \$105,000	Construction: \$45,000,000 Construction Oversight: \$1,300,000

Cost Assumption(s):

Cost estimate is based upon ROM.

We have identified (b) (7)(E) per mile for mitigation (b) (7)(E) miles = (b) (7)(E)

Potential Project Risks/Mitigations:

Total Initial Risk Estimate	(b)(5)
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See Attachment B, Risk Register

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Interrelated Projects

#	Interrelated Projects
001	RGV RVSS Upgrade Program
002	

Attachments

Attachment #	Attachment Name
A	Cost Estimate Workbook
B	Risk Register

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CONCURRENCE & APPROVAL: Business Partner Mission Needs

Concurrence:

(b) (6), (b) (7)(C) Chief Date
US Border Patrol, Rio Grande Valley Sector

Approval:

(b) (6), (b) (7)(C) Chief Date
US Border Patrol, Law Enforcement and Operations Directorate

APPROVAL: Financial

(b) (6), (b) (7)(C) Date
Stacy Howell, Director, Business Operations Division (A)
BPAM PMO

APPROVAL: Constructability

(b) (6), (b) (7)(C) Date
(b) (6), (b) (7)(C) Branch Chief, Tactical Infrastructure
USACE, ECSO

Concurrence:

(b) (6), (b) (7)(C) Chief Engineer Date
BPAM PMO

APPROVAL: Real Estate & Environmental

(b) (6), (b) (7)(C) Branch Chief Date
BPAM PMO, Environmental and Real Estate Branch

PROJECT APPROVAL

(b) (6), (b) (7)(C) Program Manager Date
BPAM PMO, Wall Program