

# Land Border Integration (LBI) Task Order Modification 0005

## Statement of Work (SOW)

### 1. Background

Land Border Integration Task Order was recently awarded to UNISYS. Under the contractual requirements, UNISYS provided a firm fixed price proposal to implement the LBI requirements. Based on changes that have occurred subsequent to the award of the LBI Task Order scope changes have been defined and additional requirements and adjustments recently identified – these are addressed in this request for Task Order modification. The Government’s intent is to seek a technical and cost proposal to implement the changes summarized in this SOW.

### 2. Scope

#### 2.1. Additional WHTI Infrastructure Installation

The additional WHTI infrastructure installation solution is amended to include the following site:

Field Office	Land Port of Entry/Subordinate port of Crossing	No of lanes	Type of Installation
Laredo	Lincoln Juarez	3	Full WHTI solution

#### 2.1.1. Changes to Work Package for WHTI Infrastructure Installation at Harpers Ferry

Reduce the number of lanes of Full WHTI installation from Two (2) to One (1). The one lane equipment destined for Harpers ferry shall be used for one of the three new lanes at Lincoln Juarez defined in Section 2.1 of this modification. The contractor shall ensure that filters applied to the equipment removed from Harpers Ferry and deployed to Lincoln Juarez are for the Lincoln Juarez region.

Field Office	Land Port of Entry/Subordinate Port of Crossing	No of lanes	Type of Installation
CBP Advanced Training Center	Harpers Ferry	1	Full WHTI solution

#### 2.1.2. Forest City, ME Installation:

The additional WHTI infrastructure installation at Forest City, Maine is deferred until new port construction is completed. The government will provide a 30 day notice to the contractor of the port completion date.

### 2.2. Outbound Solution Changes

The Outbound solution is amended to include the following:

**2.2.1. Add Quantity Two (2) Tier 3 Lanes at Donna, Texas**

Field Office	Land Port of Entry/Subordinate port of Crossing	No of Lanes	Tiers
Laredo	Donna, TX	2	Tier 3

**2.2.2. Changes to Outbound Laredo/Convent Bridge I**

In conducting the site survey of the Laredo/Convent Bridge outbound crossing, it was ascertained that adequate room did not exist to facilitate the deployment of fixed LPR in the outbound lanes as part of the Tier 2 solution. To address this issue, the requirement is amended to deploy ONLY 2 lanes of LPR solution with a Gantry infrastructure to circumvent the real estate availability issue at the outbound crossing area.

**2.2.3. Eliminate Lane "Open/Close" LED signs from each Tier 2 site**

The contractor shall eliminate the Lane based LED "Open / Close" signs at all of the Tier 2 outbound sites designed to provide travelers lane status information while in the fixed LPR lane. A total of 22 lanes are affected by this change.

Field Office	Land Port of Entry/Subordinate port of Crossing	No of Lanes	Tiers
Laredo	Hidalgo/Pharr	3	Tier 2
Laredo	Laredo/Convent Bridge 1	4	Tier 2
Laredo	Laredo/Lincoln-Juarez	6	Tier 2
Laredo	Hidalgo/Hidalgo	6	Tier 2
Laredo	Brownsville Veterans / Los Tomates, TX	3	Tier 2

**2.2.4. Eliminate cantilever arm installation of LED signage at Pharr Tier 2 site**

As part of Modification 2, the contractor proposed the use of cantilever arm to install the LED signs at Pharr for a Tier 2 installation. The contractor shall eliminate the cantilever arm installation method, evaluate and propose alternative design solutions to install the variable message sign at Pharr. As part of the options to consider, the contractor shall price as option two alternative means of installing the single LED variable message signage using:

- Roadside bollard arrangement or
- Mount to CBP-supplied Tier 3 canopy installation with available mechanical/power/network connection points.

**2.2.5. Credit for Tier 3 "As-Built" Drawings**

**(b) (7) (E)**

(b) (7) (E)

### **2.3. Border Patrol Checkpoint Installation**

The Border Patrol Checkpoints: Border Patrol Operational Solution Project FY 2011 is amended to reflect the following:

**2.3.1. Eliminate Tactical Deployment at (b) (7)(E) Checkpoints**

Eliminate the Tactical deployment (b) (7)(E) at (b) (7)(E) checkpoints. One of these systems will be used at (b) (7)(E) and the other will be held in reserve pending further direction from Border Patrol.

**2.3.2. Eliminate fixed LPR solution at (b) (7)(E) Checkpoint**

Eliminate the Fixed LPR deployment (b) (7)(E) at (b) (7)(E) Checkpoint and replace it with one of the Tactical Units originally scheduled for (b) (7)(E) checkpoint locations. CBP will be responsible for repositioning the (b) (7)(E)

The contractor shall include (b) (7)(E) tactical deployments in its cabling task defined in 2.5.2.2. below, set up the system at (b) (7)(E) and provide O&M services at that location.

**2.3.3. Reduce the number of Tactical LPR deployment at Laredo 83 Checkpoint**

Reduce the number of Tactical lanes from 3 to 2 at Laredo, Texas 83 Checkpoint.

**2.3.4. Eliminate fixed LPR solution for (b) (7)(E) at (b) (7)(E) Checkpoint**

Due to lack of funding, Border Patrol construction for (b) (7)(E) at (b) (7)(E) (b) (7)(E) checkpoint is delayed. Unisys shall reduce the fixed LPR installations at that site from (b) (7)(E) (b) (7)(E). The resulting funding credit will be applied to the cost of tactical LPR checkpoint cabling.

**2.3.5. Establish new tactical LPR checkpoint site at Willcox Tombstone (Clin # 1009) station**

Establish new tactical LPR checkpoint site at Willcox Tombstone station using one of three systems originally assigned to Laredo Highway 83 checkpoint site. CBP will be responsible for repositioning the Laredo 83 system to Tombstone. The contractor shall include Tombstone tactical deployments in its cabling task defined in 2.5.2.2 below. The contractor shall set up the system at Tombstone and provide O&M services at that location. Details of the Tombstone location is provided below:

SITE CODES / NIMS CODE	Sector	CHECKPOINT NAME	CLIN Description	CLIN	STATION NAME	STATE	HWY / Location
TMB005A	TCA	Tombstone/Hwy 80 east	Willcox, AZ (Hwy 80 Eastbound)	1009	WILLCOX / SR 80 East	AZ	State route 80

## 2.4. Cable Installation

Section C. 7.3.6 Wiring of the RFP required the contractor to install all wiring necessary to make the system operational including, but not limited to, wiring in lanes, inside of facilities and between points of the installation. In addition as part of the pricing effort it was assumed that 50 foot of cable installation will be priced in the original bid. Unisys has completed the site survey of all outbound Tier 1 / Tier 2 and site assessments of Border Patrol checkpoint locations. It is Government's understanding that the length of cable required to make the systems operational is in excess of 50 feet at several of the Tier 1 and 2 sites and for fixed lane LPR installation at the Border Patrol fixed checkpoint locations.

### 2.4.1. OUTBOUND:

The Government requires that the contractor document by location the length of cable required to make the outbound Tier 1 and Tier 2 solution operational and price the delta cost for the additional cable required to make the system operational. Exception to this requirement are for the sites located at Anzalduas and Brownsville Veterans. The additional cabling costs for the two sites are covered under a separate Modification.

### 2.4.2. Border Patrol Checkpoints

#### 2.4.2.1. Border Patrol Checkpoint Fixed LPR Installation:

The Government requires that the contractor document by location the length of cable required to make the BP Fixed LPR solution operational and price the delta cost for the additional cable required to make the system operational.

#### 2.4.2.2. Border Patrol Tactical LPR Deployment:

The contractor shall cost the cable installation price for all Border Patrol sites summarized in section 2.4.2.2 for the following two solution types:

- a) install, ***in ground***, power and data cables to connect the Mobile LPR's planned for deployment (see table below for site locations and number of drop points for data cable and power points) at the Border Patrol Checkpoints to the respective Border Patrol Checkpoint office facility Local Area Network (LAN) room and
- b) install ***above ground in conduits***, power and data cables to connect the Mobile LPR's planned for deployment (see table below for site locations and number of drop points for data cable and power points) at the Border Patrol Checkpoints to the respective Border Patrol Checkpoint office facility Local Area Network (LAN) room. For this solution type, the conduits if laid over a trafficked area will be covered by hardened rubber Speed Bumps which is flexible allowing conformity to the contour of any road/pavement surface and has channeled bottom for protection of conduits. The rubber speed bump should be resistant to UV light, moisture, oil and extreme temperature variations and shall support both permanent or temporary installation.

These locations include the sites on the LBI contract as well as the BP checkpoints locations of Falfurrias, TX, Kingsville, TX, Campo, CA, and Alamogordo, NM where Tactical LPR provided by DRS under a separate contract will be deployed.

TABLE 1: Locations and Lane count of BP checkpoints on the current LBI Contract with additional Drop Points for Data and Cable

OBP SECTOR	STATION	STATE	HWY	LANE COUNT	Type of Installation	No of Drop Points
LRT	LAREDO (W)	TX	83	2	Tactical	2 in lane and 2 under canopy***
SDC	CAMPO	CA	8	2	Tactical	2 in lane and 2 under canopy***
EPT	LAS CRUCES	NM	25	2	Tactical	2 in lane and 2 under canopy***
EPT	ALAMAGORDO	NM	70	1	Tactical	1 in lane and 1 under canopy***
MAR	SIERRA BLANCA	TX	10	2	Tactical	2 in lane and 2 under canopy***
EPT	LAS CRUCES	NM	185	1	Tactical	1 in lane and 1 under canopy***
SDC	BROWNFIELD	CA	94	1	Tactical	1 in lane and 1 in booth
ELC	INDIO	CA	86	1	Tactical	1 in lane and 1 under canopy***
ELC	INDIO	CA	111	1	Tactical	1 in lane and 1 under canopy***
LRD	HEBRONVILLE	TX	359	1	Tactical	1 in lane and 1 under canopy***
LRD	HEBRONVILLE	TX	16	1	Tactical	1 in lane and 1 under canopy***
LRD	FREER	TX	59	1	Tactical	1 in lane and 1 under canopy***
EPT	YSLETA	TX	62/180	1	Tactical	1 in lane and 1 under canopy***
TCA	WILLCOX TOMBSTONE	AZ	80	1	Tactical	1 in lane and 1 under canopy***

Table 2: Additional BP Checkpoint locations and No of Drop points for Data and Power cable

Site (Border Patrol Checkpoints)	State & Hwy	Number of Lanes	Number of drop points for power and its location	Data and its location
Falfurrias, TX	TX Hwy 281	4	3 in lane, 3 under canopy*** and 2 on side of Hwy 281 (1 drop for trailer and 1 for agent)	
Kingsville, TX	TX Hwy 77	3	3 in lane; 3 under canopy***	
Campo, CA	CA Hwy 80	1	1 in lane and 1 under canopy***	
Alamogordo, NM	NM Hwy 54	1	1 in lane and 1 under canopy***	

All data cables under the canopy will be terminated with a RJ45 connector.

Additionally, all cable termination will be housed in a box which can padlocked with a secure lock for security against fraudulent use or tampering.

The Government reserves the right to choose between the two solution types on a site by site basis based on the need and availability of funds.

**\*\*\* Note – “Under canopy” refers to actual canopy or where BP agent otherwise sets up VPC workstation to conduct operations in lane.**

## 2.5. Outbound LPR Site Survey and Design

The contractor shall conduct site surveys and 65% site design for sites listed in Table 3. Detailed requirements for site survey and 65% design is summarized in sections 2.5.1 and 2.5.2.

### 2.5.1. Site Surveys:

The Contractor shall conduct site surveys at five outbound crossings where legacy LPR's are deployed, as well as (non-legacy site) De Concini, to convert them to Tier 2 crossing sites as summarized in Table 3. The surveys will collect site information to identify specific local requirements and constraints to facilitate design and system installation. The site survey shall support detailed design and layout of LPR equipment. The contractor shall generate a detailed site survey report to support the mechanical drawings of the site and equipment to be installed. The contractor shall also identify any existing drawings for Del Rio Outbound based on previous Perceptics LPR upgrade work already completed at that location.

### 2.5.2. 65% Design Drawing including Design and Analysis:

For the sites detailed in Table 3, the contractor shall provide a site design with a 65% completion level on an as-required basis. The requirement to conduct a 65% design will be jointly decided upon by Government and the Contractor based on the results of the site survey. The decision to proceed with the 65% site design will be made on a site by site basis, requiring the contractor to separately price the 65% design for sites detailed in Table 3 as options. The Contractor shall perform the necessary design and analysis to accomplish Tier 2 system implementation.

Deliverable for this task will include a detailed drawings in AutoCAD format. Included in this effort but not limited to it is,

- Computer aided design (CAD) drawing of the site layout
- Conduct architectural and engineering surveys and conduct the required analysis and designs
- Approved architectural and engineering (A&E) drawings for each lane
- Site bill of materials (BOM) created from A&E design document
- Detailed design and layout drawings of LPR equipment
- Detailed layout of the cables and conduits to be installed to connect the Tier 2 systems to the backend LAN room

Table 3: Prioritized list of LPR sites requiring Outbound Site Survey

NAME	LANES	Legacy Site?
De Concini	2	No
San Luis	2	Yes
Douglas	2	Yes
Eagle Pass 1	3	Yes
Eagle Pass 2	2	Yes
Del Rio	4	Yes – Partial upgrade completed

The Government reserves the right to choose the sites that will require 65% design on a site by site basis based on the need and availability of funds, following a joint review of site survey findings.

**2.6. Other Tasks:**

**2.6.1. Reconfigure (qty 6), MC75 hand held with PIPS LPR software**

Under the WHTI task order the Government procured a quantity of six (6) MC75 hand held devices that were not configured to include PIPS LPR / OCR software. To address this issue, the contractor shall reconfigure the MC75 hand held system and install the PIPS software to enable the device to be used as a license plate reading hand held device.

**2.6.2. Enhance Existing MC75 Capabilities**

The contractor shall develop additional capability to enhance the functionality provided by the hand held MC75 to meet the LBI mission. OFO and Border Patrol require additional enhancements and are grouped under two separate releases. The first release will incorporate additional functionalities in the near term and will be implemented within 30 days of the award of the modification to the Task Order. The second release will require close coordination with software development ongoing at CBP/PSPO and will be available for release with the full Tier 3 release for outbound. The contractor shall comply with CBP/PSPO governance and SLC procedures for software updates and ensure FTRD is maintained as current. The application shall be installed on all hand held MC75's procured by the Government. The requirements for the two separate software upgrade releases for the MC75's are summarized below.

#### 2.6.2.1. Initial Release of Hand held Software:

- Support biographical data updates (person) and re-queries for person and vehicle queries
- Support document number/type/issuing country entry for manual person queries
- Support driver license reading (e.g., magnetic stripe and 2D barcode) for person queries – AZ ONLY
- Support scanning or entering VIN for “NP+8” VIN queries
- Support silent audible alerts as a default
- Support end-to-end IT performance monitoring
- Enhance vehicle license-plate correction functionality
- Implement hot-keys for common officer functions
- Revise LPR screen capture sequence to allow rapid consecutive vehicle plate scans

#### 2.6.2.2. Future Release of Hand held Software:

- Support driver license reading (e.g., magnetic stripe and 2D barcode) for person queries
  - Magnetic stripe and 2D barcode formats vary from state to state and the Government (OFO/BP) will advise on which states to focus on first. However the capability to read 2D barcodes for all states should be implemented in the solution.
- Support extended crossing history queries and show additional crossing history information
- Support multiple hit review and processing
- Support multiple document review and processing
- Support single logon UI experience (wireless and LBI Mobile client) – Note: key dependency is Active Directory (See Section 2.6.3)
- Support additional referral codes
- Provide feedback when backend queries have completed

#### 2.6.3. Procure Additional four (4) MC 75 Hand held for Anzalduas

The contractor shall procure an additional quantity of four (4) MC75's for Anzalduas Tier 1 outbound location.

#### 2.6.4. Support Security Requirements for Conversion from FOB solution to Active Directory (FOB-less)

The contractor shall test a prototype alternate to the current “FOB access to CBP network” procedure using the ISSO approved Active Directory solution. The contractor shall advise the government on performance (time to logon) in comparison to the FOB solution, and make recommendations regarding the FOB-less solution for performance improvements. Upon CBP conversion of TECS users to Active Directory, the contractor shall ensure all hand held devices and connectivity procedures use Active Directory. Training materials shall be updated and disseminated using the new procedures.

### **2.6.5. Holster for MC75 hand held**

The contractor shall design and provide a prototype holster for review and approval that can be used by the officers to store the hand held as part of their inventory of assigned equipment on their belt. Upon receipt of full approval, the contractor shall procure an initial quantity of twenty three (23) holsters. Upon approval for full Tier 3 implementation, the contractor shall procure an additional 110. This amount is sufficient to cover the number of MC75's purchased to date, including the four units for Anzalduas in Sec 2.6.3 of this SOW.

### **2.6.6. Big Fix licenses for the MC75 hand held**

The government Enterprise Architecture Team requires a change from Tivoli to Big Fix for enterprise management and software updates to the MC75 hand held. In order to ensure that the software on hand held's is current, the contractor shall procure Big Fix licenses for all procured hand held's and install the software on all mobile hand held devices (initial quantity 23), and upon approval for full Tier 3 implementation an additional 110.

**Note: All subsequent order of Hand held (MC75) will include cost of holster and Big Fix licenses.**

### **2.6.7 Pedestrian Re-Engineering Test Resources**

The contractor shall procure and configure four additional Crossmatch 10-print fingerprint devices. If required, this order should include WSQ1000 runtime software and software maintenance for each unit.

Regarding the two Crossmatch devices purchased under T&M: The contractor shall also incorporate the outyear maintenance costs previously contained in the T&M proposal under CLIN 1390 as part of this proposal under CLIN 0766 O&M.

### **3. Pricing Instructions:**

Residual funding credits from MOD 2 for Inbound, Outbound, BP Checkpoint and O&M will be applied to defray additional MOD 4 costs.

### **4. Time and Materials (T&M) Work:**

The following T&M efforts previously authorized are now complete:

- Lukeville Second Installation Trip
- Pharr Emergency Repairs
- Progresso Emergency Repairs
- Ysletta O&M Repairs
- Port Huron Sealed Drawings

Please provide final cost accounting for these tasks to complete invoicing, as well as any other completed T&M tasks

