



THE BOEING COMPANY  
Vendor Signature

(b) (6)

3/31/2009

Date

Printed Name

---

ACCOUNTING AND APPROPRIATION INFORMATION

---

**Item: 00030**

6100.2525USCSGLCS0900009000Z00007173SB03 SB3002525    **Amount** \$17,909,412.00

**Item: 00040**

6100.2525USCSGLCS0900009000Z00009173SB03 SB3002525    **Amount** \$2,304,039.000

Section B. SUPPLIES OR SERVICES/PRICES

B.1. Schedule of Prices

CLIN	Services/Supplies	Qty	Units	Unit Price	Total Price				
0001	Buffalo Design (Fixed Price)	(b) (7) (E)	(b) (7) (E)	(b) (7) (E)	(b) (7) (E)				
0002	Detroit Design (Fixed Price)								
0003	Buffalo Deployment Unit 1 (Fixed Price) (b) (7) (E)								
0004	Buffalo Deployment Unit 2 (Fixed Price) (b) (7) (E)								
0005	Buffalo Deployment Unit 3 (Fixed Price)								
0005aa	(b) (7) (E)								
0005ab									
0006	Detroit Deployment Unit 1 (Fixed Price) (b) (7) (E)								
0007	Detroit Deployment Unit 2 (Fixed Price) (b) (7) (E)								
0008	Detroit Deployment Unit 3 (Fixed Price) (b) (7) (E)								
0009	Detroit Deployment Unit 4 (Fixed Price)								
0009aa	(b) (7) (E)								
0009ab	Detroit Sector Final Acceptance								
0010	Travel (Cost Reimbursable) Not-to-Exceed								
<b>Task Order Subtotal</b>									
0011	Incentive 1: CLIN 0003 Schedule and Acceptance (Fixed Price)								
0012	Incentive 2: CLIN 0006 Schedule and Acceptance (Fixed Price)								
0013	Incentive 3: CLIN 0005 Schedule and Acceptance (Fixed Price)								
0014	Incentive 4: CLIN 0009 Schedule and Acceptance (Fixed Price)								
<b>Incentive Subtotal</b>									
0015	Optional Task 1: System Security Certification and Accreditation (C&A) (Fixed Price)								
0016	Optional Task 2: Integrated RVSS Control and Video Archive Retrieval (Fixed Price)								
0017	Optional Task 3: Uninterrupted Power Supply (UPS) (Fixed Price)								
0018	Optional Task 4: Integrate legacy RVSS in Buffalo into the new RVSS solution (Fixed Price)								
<b>Options Subtotal</b>									
<b>Task Order Total</b>					\$22,375,964				

## B.2. FUNDING

B.2.1. CLINS 00030 and 00040 in Block 17 on the computer generated OF-347 are informational CLINS which fund CLINS 0001 through 00014 in Section B.1. "Schedule of Prices" above.

B.2.2. The amount \$20,213,451.00 stated in Block 17(i) on page 1 of OF-347 is the amount funded by this action. The total price of CLINS and options of this task order is \$22,375,964.

B.2.3. This task order only funds CLINS 0001 through and inclusive of 0014.

B.2.4. CLINS 0015, 0016, 0017, and 0018 are not funded on this task order at time of award.

B.3. CLINS in Section B.1. shall be performed in accordance with the Statement of Work, dated 3/31/09, Attachment J.1.

## B.4. Contract Type

B.4.1. This is a fixed price task order under the Indefinite Delivery Indefinite Quantity (IDIQ) Contract HSBP1006D01353 with schedule incentives for early completion and acceptance of 4 CLINS.

B.4.2. Included is a cost reimbursable CLIN for travel. Travel is funded at a Not-To-Exceed (NTE) limit.

## B.5. Travel

B.5.1. Travel is in accordance with

B.5.1.1. HSBP1006D01353, B.3, "TRAVEL AND OTHER DIRECT COSTS",

B.5.1.2. HSBP1006D01353, H.22, "TRAVEL (MAR 2003)", and

B.5.1.3. Statement of Work, dated 3/31/09, Attachment J.1.

## B.6. Incentives

B.6.1. There are 4 incentives to be earned by Boeing for accelerated performance.

B.6.1.1. The Incentive CLINS are:

B.6.1.1.1. 0011 for 7 day early schedule on CLIN 0003.

B.6.1.1.2. 0012 for 7 day early schedule on CLIN 0006.

B.6.1.1.3. 0013 for 7 day early schedule on CLIN 0005.

B.6.1.1.4. 0014 for 7 day early schedule on CLIN 0009.

## B.7. Period of performance

B.7.1. The period of performance for this task order is 31 March 2009 through 30 March 2010.

## B.8. Optional CLINS

B.8.1. The government's intent to exercise the optional tasks will be provided via letter. Modification of the Task Order will be issued to exercise the optional task.

B.8.2. The Optional CLINS must be exercised by dates in the following table:

Item	Optional Tasks	Must be exercised by date
0015	Optional Task 1: System Security Certification and Accreditation (C&A) (Fixed Price)	4/20/09
0016	Optional Task 2: Integrated RVSS Control and Video Archive Retrieval (Fixed Price)	6/22/09
0017	Optional Task 3: Uninterrupted Power Supply (UPS) (Fixed Price)	4/20/09
0018	Optional Task 4: Integrate legacy RVSS in Buffalo into the new RVSS solution (Fixed Price)	6/22/09

## Section C. DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1. Statement of Work is attached as J.1. in Section J

## Section D. PACKAGING AND MARKING

## Section E. INSPECTION AND ACCEPTANCE

- E.1. Acceptance test procedures are the I&CO checklist completed and the as built drawings for CLINS 0003 0004, 0006, 0007, 0008.
- E.2. Acceptance Test procedures are the functional testing completed, all review item discrepancies resolved, and a delivery and acceptance of the Project Acceptance Package.
- E.3. The I&CO checklist will be developed by Boeing and submitted for government approval as part of the final design package for each sector, CLINS 0001 and 0002.
- E.4. Video quality in terms of "good and poor" is subjective. It is agreed that "in order for the system to be acceptable to the government, the quality of the video picture at the Sector must be demonstrated to be similar to the quality at each tower after the encoder".
- E.5. The Technical Baseline, Attachment J.2., contains Boeing's approach and shall be part of the functional acceptance testing checklist.
- E.6. The warranty period is one year for each CLIN. The year begins for each CLIN on the day of formal acceptance. Warranty information is in HSBP1006D01353, P00001. The paragraph begins on page 11, "I.35".

Section F. DELIVERIES OR PERFORMANCE

- F.1. Delivery Schedule. See Statement of Work.
- F.2. The Contractor shall submit deliverables to the COTR and a copy of the transmittal letters shall be given to the Contracting Officer designated in Section G.
- F.3. Deliverable Time
  - F.3.1. Deliverable time is 12:00 pm local time on the schedule date for CLINS 0001 and 0002.
  - F.3.2. Deliverable time is 11:30 pm local time on the scheduled dates for all CLINS 0003 through and inclusive of 0014.
  - F.3.3. Deliverable time for the Optional Task will be determined upon execution of the CLINS.
- F.4. Draft delivery of CLIN 0001 will occur on 4/23/09. The Government and Boeing will work through the IPT to support the final deliverable on 4/30/09.
- F.5. Draft delivery of CLIN 0002 will occur on 5/22/09. The Government and Boeing will work through the IPT to support the final deliverable on 5/29/09.
- F.6. CLINS 0006, 0007, 0008, and 0009 delivery dates are subject to change based on final design information in CLIN 0002, Detroit Design, through a bi-lateral task order modification as a Line of Sight survey must be performed.
- F.7. J.3. documentation, pages 1 and 2 have been delivered to Boeing on Friday, March 27, 2009. Page 3 data Items # 4 and Item #5 have been delivered on Friday, March 27, 2009. Remaining items on Page 3 shall be delivered as scheduled.

Section G. TASK ORDER ADMINISTRATION DATA

G.1. Contracting Officer (CO)

G.1.1. Barbara A. Janitis

(b) (6)  
(b) (6)

G.2. Contract Specialist

(b) (6)

G.3. Contracting Officer's Technical Representative (COTR)

(b) (6)

G.4. Payment Schedule

G.4.1. Contractor is authorized to invoice monthly based upon receipt of deliverables.

Section H. SPECIAL TASK ORDER REQUIREMENTS

H.1. Per Section H.29 of HSBP1006D01353, the subcontractor identified below is approved for performance under Task Order HSBP1209J25801 only:

H.1.1. MCS OF TAMPA, INC.

3926 W South Ave  
Tampa FL 33614

Section I. TASK ORDER CLAUSES

I.1. The following FAR Clauses are not in HSBP1006D01353 and are incorporated by reference for this task order:

I.1.1. 52.236-2 Differing Site Conditions.

I.1.2. 52.246-16 Responsibility for Supplies.

Section J. LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

J.1. Statement of Work

J.2. NBPTO Technical Baseline, dated 3/25/2009 is incorporated by reference.

J.3. GFI/GFE Listing

J.4. SBI-DID-0037

J.5. SBI-DID-0038

J.6. SBI-DID-0039

J.7. SBI-DID-0040

J.8. SBI-DID-0023



# U.S. Customs and Border Protection

**Secure Border Initiative SBInet Program  
Northern Border Project Task Order (NBPTO)**

## **Statement of Work**

**Dated 3/31/09**

Task Order No.: HSBP1209J25801

## Table of Contents

1	Background.....	3
2	Objectives .....	3
	2.1 Detroit Sector Objectives: .....	3
	2.2 Buffalo Sector Objectives: .....	4
3	Scope .....	5
4	Specific Requirements.....	5
	4.1 Program Management (WBS Item 8) .....	5
	4.2 Systems Engineering (WBS Item 1) .....	9
	4.3 Facilities and Infrastructure .....	10
	4.4 Deployment and Installation .....	12
	4.5 Integration/Test (WBS Item 6) .....	15
	4.6 Prime Mission Products (Material) (WBS Item 3.5) .....	16
	4.7 Integrated Logistics Support .....	17
	4.8 Training.....	17
5	Deliverables/Delivery Schedule .....	18
	5.1 Deliverables .....	18
6	Government-Furnished Equipment & Government Furnished Information (GFE/GFI) .....	20
7	Security .....	20
8	Place of Performance.....	20
9	Other Considerations .....	21
	9.1 Travel.....	21
	9.2 Acronyms .....	21

## 1. Background

Achieving control of the United States (US) border is a key mission of the Department of Homeland Security (DHS). The Secure Border Initiative (SBI) is a comprehensive, multi-year plan to achieve this key mission, prevent terrorism and eliminate illegal immigration. The operational foundation of SBI includes border security and interior enforcement. SBInet is focused on the border security component of SBI's overarching mission. DHS has designated U.S. Customs and Border Protection (CBP) as the executive agent for DHS in the development and deployment of the SBInet solution.

In April 2007, Congress directed CBP to begin addressing northern border vulnerabilities. The Executive Steering Committee (ESC) created a Northern Border Working Group consisting of representatives of the operational components to make recommendations concerning the location of the Northern Border Demonstration (NBD) project. In June 2008 the ESC recommended and the Deputy Secretary of DHS approved the Northern Border Project which consists of deployment of surveillance technology capabilities in Buffalo and Detroit.

## 2. Objectives

The objective of the Northern Border Project is to design, install, and deploy surveillance technology capabilities in the Detroit and Buffalo Border Patrol Sectors.

The objective of the Northern Border Project is to improve situational awareness and increase surveillance coverage through the deployment of surveillance sensors and components in the Detroit and Buffalo Sector.

### 2.1 Detroit Sector Objectives

Increase surveillance coverage

2.1.1 Installation of (b) (7)(E) Remote Video Surveillance System (RVSS) sites, including a combination of existing structures and monopole towers, along the government provided lay-down of St. Clair River.

- Each site shall include (b) (7)(E) "camera sets" with each set consisting of (b) (7)(E) and (b) (7)(E) camera.
- There shall be a total of (b) (7)(E) camera sets in the Detroit Sector.

2.1.2 Installation of RVSS control at Detroit Sector Headquarters (HQ) consisting of (b) (7)(E) control stations where each control station shall independently control all of the RVSS sensors.

(b) (7)(E)

(b) (7)(E)

2.1.4 Display of (b) (7)(E)

(b) (7)(E)

(b) (7)(E)

## 2.2 Buffalo Sector Objectives

Increase surveillance coverage

2.2.1 Installation of (b) (7)(E) Remote Video Surveillance System (RVSS) sites, including a combination of existing structures and monopole towers, along the government provided lay-down of the Niagara River.

- Each site will include (b) (7)(E) “camera sets” with each set consisting of (b) (7)(E) and (b) (7)(E) camera.
- There will be a total of (b) (7)(E) camera sets in the Buffalo Sector.

2.2.2 Installation of RVSS control at Buffalo Sector HQ consisting of (b) (7)(E) additional control stations, where each control station shall independently control all of the new RVSS sensors.

- Option 4: (b) (7)(E)

(b) (7)(E)

(b) (7)(E)

- (b) (7)(E)

(b) (7)(E)

### **3. Scope**

The scope of the requirements of the Northern Border Project fall under the following Master Contract Task Areas:

- Task Area 3: Prime Mission Product
- Task Area 4: Facilities and Infrastructure
- Task Area 6: Systems Engineering
- Task Area 7: Training
- Task Area 8: Integrated Logistics Support
- Task Area 9: Deployment and Installation
- Task Area 11: Program Management

### **4. Specific Requirements**

#### **4.1 Program Management (WBS Item 8)**

Program Management is work related to planning, organizing, coordinating, authorizing, and controlling the overall program to meet technical, quality, cost, and schedule requirements. The Program Management services are applied over the Northern Border deployment life cycle and include all activities and processes.

##### **4.1.1 Project Management (WBS Item 8.1)**

4.1.1.1 The Contractor shall provide full time project management in support of the Northern Border activities assigned to the Detroit and Buffalo Sector areas of responsibility. As part of the project management, the Contractor shall identify the Northern Border Task Order Organizational structure delineating the relationship with the other Task Orders.

##### 4.1.1.2 Integrated Product Team Meetings

The Contractor shall participate in the Integrated Product Team (IPT) meetings held at Customs and Border Protection (CBP) facilities, virtually, or other locations as mutually agreed between the contractor and the Contracting Officer (CO) and; if necessary, post consultation with the Contracting Officer's Technical Representative (COTR) for Detroit Sector and Buffalo Sector projects. The Contractor shall provide administrative assistance and support for all Contractor attended meetings regarding the Northern Border project.

##### 4.1.1.3 Management Reviews

Management Reviews of the NBPTO activities are included in the Monthly Program Management Reviews (PMRs) under the NBPTO Monthly Status Report [CDRL K022].

J.1.

Before final Government acceptance of the Northern Border Project, the Project Acceptance Review (PAR) will occur as a Management Review. The PAR will be preceded by the submittal of the Project Acceptance Package [CDRL K040] which will provide all the final project artifacts: As-builts, Operating Manuals, Maintenance Manuals, warranties, test results, and registrations. As-built drawings are produced by the contractor and compared with the original design documents to identify any changes made during installation that could affect the item's performance.

#### 4.1.1.4 Cost and Schedule Management

The Contractor shall develop, maintain, and deliver the Northern Border Project portion of the SBInet Integrated Master Plan (IMP) and Integrated Master Schedule (IMS) as part of the PMR – Monthly Status Report [CDRL K022]. The IMS shall be sufficiently detailed for the Government to status the project's progress and tasks.

### 4.1.2 Environmental, Health and Safety (WBS Item 1.2.3)

4.1.2.1 The Contractor shall update the STO Environment, Health and Safety (EHS) Plan (D333-000121-1 in the Boeing eMatrix System) for the NBPTO that addresses the health safety of personnel and equipment and environmental stewardship at the sites within the NBPTO deployment areas. The EHS Plan will complement the Program Security Plan; review Service Provider EHS plans and programs; investigate accidents and incidents and if any issues or safety /security items of interest are identified, the Contractor shall promptly mark the area and notify the Government.

4.1.2.2 The Contractor shall perform root cause analysis, maintain EHS records, and implement corrective action measures; provide on-site EHS monitoring and oversight throughout the construction and test phases of the project; provide briefings to personnel working in field, and ensure that EHS best practices are implemented; conduct EHS inspections at project sites; serve as primary focal for EHS regulatory agency inspections of Contractor and Supplier operations.

4.1.2.3 The Contractor shall provide environmental, health and safety (EHS) and security awareness training to Contractor and subcontractor employees; identify and assess potential EHS hazards associated with site surveys and site construction work.

4.1.2.4 The Contractor shall ensure all personnel at a site are adequately prepared and briefed for conduct of activities while on site.

#### **4.1.3 OPTION 1: Program Security (WBS Item 8.9)**

4.1.3.1 The contractor shall incorporate Information Technology (IT) and personnel security for protection of the Northern Border resources under this effort. The Contractor shall coordinate with the SBInet and CBP security personnel to determine security needs; such as, provisions for the physical and IT security within the Northern Border facilities to safeguard equipment and documentation.

#### **4.1.4 OPTION 1: System Security (WBS 1.2.3)**

4.1.4.1 Working with SBInet and CBP security personnel, the Contractor shall design and implement system security to assure:

- Appropriate security safeguards and services are implemented.
- Information Technology (IT) security features work and can be demonstrated during testing and certification process.
- The system has the required security controls to satisfactorily preserve data confidentiality, availability, and integrity.

4.1.4.2 The Contractor shall base NBPTO System Security on the standards outlined in the Federal Information Processing Standards (FIPS) 199 Security categorization of the system.

4.1.4.3 The Contractor shall implement a security design that addresses the applicable security controls specified in the most current version of the National Institute of Standards and Technology (NIST) Special Publication 800-53 Recommended Security Controls for Federal Information Systems.

4.1.4.4 The Contractor shall implement appropriate physical, administrative, and technical safeguards to ensure cost-effective system security. These safeguards shall be consistent with the most current versions of the DHS 4300A Sensitive Systems Handbook, and CBP HB 1400 05C Information Systems Security Policy and Procedures Handbook, and with the approved SBInet Enterprise Architecture.

4.1.4.5 The Contractor shall conduct security testing at both the device and system-level prior to delivery to assure that the delivered products meet the Certification and Accreditation (C&A) requirements specified in the most current version of the DHS C&A Guidance for Sensitive But Unclassified (SBU) Systems User's Manual and do not affect existing software and systems performance.

4.1.4.6 Working with SBInet and CBP security personnel, the Contractor shall support preparation of the security accreditation package using the Risk Management System (RMS) tool.

Working with SBInet and CBP security personnel, the Contractor shall support the certification agent by providing Northern Border Project specific recommended corrective actions (Corrective Action Plan) and required Plan of Action and Milestones (POAM) to reduce or eliminate vulnerabilities in the information system.

4.1.4.7 The Contractor shall develop and prepare updates to the following STO documents as Northern Border specific artifacts utilizing RMS, with guidance by SBInet and CBP security personnel:

STO Documents referenced below:

- System Security Plan (SSP) [CDRL H021]
- IT Contingency Plan [CDRL H126]
- IT Security Risk Assessment [CDRL H127]

4.1.4.8 The Contractor shall ensure that the RVSS capability is available via the SBInet VRF leveraging the Government provided infrastructure.

#### **4.1.5 Contracts Management**

4.1.5.1 The Contractor shall designate a Contracts Administrator as the single point of contact for contractual matters. The Contracts Administrator shall have the responsibility and authority to represent and commit the Contractor's organization on contract-related program issues.

4.1.5.2 The Contracts Administrator shall perform general contract administration support during the period of performance for the Northern Border effort. The Contracts Administrator shall support program/management reviews.

4.1.5.3 The Contracts Administrator shall issue and respond to contractual correspondence (incoming and outgoing letters) and submit any additional proposals and/or Engineering Change Proposals.

#### **4.1.6 Supplier Management and Procurement (WBS Item 8.3)**

The Contractor shall provide supplier management and procurement (SM&P) functions in accordance with the STO - Supplier Management Plan [D333-000142-1].

## **4.2 Systems Engineering (WBS Item 1)**

### **4.2.1 Resources and Skills**

The Contractor shall provide the resources and skills necessary to plan the design, implementation, verification, and testing of the capability of the Northern Border deployment effort.

### **4.2.2 Design**

#### **4.2.2.1 Detroit**

The Contractor shall provide 100% design consisting of the production of the RVSS Final Design Package, the facility designs and the communications designs for entire system.

The Contractor shall deliver and review the 100 % design documents in the Final Design Plan [CDRL K147]. Upon Government receipt and review IAW CDRL K147 of 100% design package the contractor shall proceed to deployment.

#### **4.2.2.2 Buffalo**

The Contractor shall provide 100% design consisting of the production of the RVSS Final Design Package, the facility designs and the communications designs for entire system.

The Contractor shall deliver and review the 100 % design documents in the Final Design Plan [CDRL K146]. Upon Government receipt and review IAW CDRL K146 of 100% design package the contractor shall proceed to deployment.

### **4.2.3 Risk Management (WBS Item 8.4)**

The Contractor shall conduct proactive risk management which includes risk management functions in accordance with the current SBInet Risk Management Plan such as risk identification, analysis, mitigation, tracking, communication, and reporting of risk status at the IPT and the PMR. Also includes risk meetings, risk management boards, risk-related change control, and incorporation of risk mitigation into program activities to include traceability of moderate and high level risk mitigation activities to Northern Border Project IMS milestones and IMP events.

### **4.2.4 Quality and Mission Assurance (WBS Item 8.7)**

The Contractor shall perform Quality and Mission Assurance task by tailoring and applying the SBInet quality assurance program. This effort includes work

associated with performance measurement functions leading to product delivery and acceptance, and successful post-delivery mission achievement.

### **4.3 Facilities and Infrastructure**

#### **4.3.1 Permitting and Regulatory (WBS Item 3.2)**

The Contractor shall obtain the necessary construction and operating permits and approvals prior to the initiation of construction, deployment and installation as governed by federal, state, county, and local regulations, statues and laws and ordinances.

4.3.1.1 The Contractor shall develop and maintain a database identifying construction and operating permits required for each site or activity.

#### **4.3.2 Environmental Restoration (WBS Item 3.2)**

The Contractor shall perform environmental restoration in accordance with (IAW) required permitting stipulations.

The Government will provide the GFI FONSI in which these stipulations will be delineated. For example, Best Management Practices (BMPs) shall be employed and state and local statutory compliance.

#### **4.3.3 Power (WBS Items 2.3.8, 2.4.8, 3.7, 4)**

##### **4.3.3.1 Grid Power**

The Contractor shall extend grid power from existing structures to tower sites IAW approved design documentation. [CDRL K146 and CDRL K147]

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

##### **4.3.3.2 Generator Power**

The Contractor shall install connections for an Automatic Transfer Switch (ATS) to allow for use of a temporary on-site generator power for maintenance requirements IAW approved design documentation. [CDRL K146 and CDRL K147] The Office of Border Patrol (OBP) will provide generators as required to support operations.

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

J.1.

#### 4.3.3.3 OPTION 3: Backup Power

The Contractor shall provide an Uninterruptable Power Supply (UPS) capability to support a minimum of four (4) hours of power to the equipment installed at each tower site to allow for a controlled shutdown during a power outage IAW approved design documentation. [Final Design Plan Package CDRL K146 and CDRL K147]

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

#### 4.3.4 Facilities Upgrades (WBS Item 3.4.4, 3.5.4, 3.6.4)

##### 4.3.4.1 Detroit Sector

The contractor shall channel all coordination efforts through the NBP Project Manager.

- 4.3.4.1.1 The Contractor shall coordinate all facility modifications to the Detroit Sector HQ with the CBP Office of Information and Technology (OIT) and the CBP Office of Finance/Facilities Management and Engineering (FM&E).

##### 4.3.4.2 Buffalo Sector

The Contractor shall channel all coordination efforts through the NBP Project Manager.

- 4.3.4.2.1 The Contractor shall conduct site visits to the Buffalo Sector Communications Center to determine facility requirements to support design and installation of the bank of surveillance displays and communications equipment.
- 4.3.4.2.2 The Contractor shall coordinate all facility modifications to the Buffalo Sector Communications Center with the CBP Office of Information and Technology (OIT) and the CBP Office of Finance/ Facilities Management and Engineering (FM&E).

## **4.4 Deployment and Installation**

### **4.4.1 Tower Sites and Infrastructure (WBS Item 3.3)**

4.4.1.1 The Contractor shall install the infrastructure required to support the tower site to include Federal Aviation Administration (FAA) lighting, equipment shelters and perimeter fence around the tower structure site in accordance with (IAW) approved design documentation [CDRL K146 and CDRL K147].

4.4.1.2 The Contractor shall install upgrades to existing site infrastructure to include FAA lighting, equipment shelters and perimeter fence around the tower structure site IAW approved design documentation [CDRL K146 and CDRL K147].

4.4.1.3 The Contractor shall provide for ingress and egress to the sites to support installation of new and existing approved design documentation [CDRL K146 and CDRL K147].

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

4.4.1.4 The Contractor shall remove existing site components at locations where replacement tower(s) are to be installed.

4.4.1.5 The Contractor shall prepare upgrades to existing sites IAW approved design documentation [CDRL K146 and CDRL K147].

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

4.4.1.6 The Contractor shall prepare new sites IAW approved design documentation. [CDRL K146 and CDRL K147]

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

4.4.1.7 The Contractor shall design and install all non-monopole structures to support Remote Video Surveillance System (RVSS) sites utilizing existing structures identified in the government furnished RVSS site laydown (GFI).

4.4.1.8 The Contractor shall modify existing RVSS structures IAW approved design documentation [CDRL K146 and CDRL K147].

- 4.4.1.9 The Contractor shall install Government Furnished Equipment (GFE) RVSS surveillance structures IAW approved design documentation [CDRL K146 and CDRL K147].

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

- 4.4.1.9.1 The Contractor shall install (b) (7)(E) GFE RVSS structures in the Detroit Sector.

- 4.4.1.9.2 The Contractor shall install (b) (7)(E) RVSS structures in the Buffalo Sector. The RVSS structures will be provided to the contractor as GFE.

- 4.4.1.10 The Contractor shall install communication tower structures IAW approved design documentation [CDRL K146 and CDRL K147].

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

- 4.4.1.11 RVSS Site Segment/Payload Installation (WBS Item 2.3)

The Contractor shall install the payloads for RVSS Camera Sets for new towers and existing structures IAW approved design documentation [CDRL K146 and CDRL K147]

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

- 4.4.1.12 The Contractor shall install the Surveillance Payload kits on the RVSS sites IAW approved design documentation. [CDRL K146 and CDRL K147]

- 4.4.1.13 The Contractor shall install surveillance ancillary equipment IAW approved design documentation [CDRL K146 and CDRL K147].

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

- 4.4.1.14 The Contractor shall procure and install the Communication Payload kits on the RVSS sites IAW approved design documentation.

- 4.4.1.15 The Contractor shall install communications ancillary equipment IAW approved design documentation [CDRL K146].

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

- 4.4.1.16 Installation & Checkout (I&CO) of RVSS Segments. (WBS Item 3.6.10)
- 4.4.1.17 The Contractor shall provide I&CO of the RVSS segments IAW RVSS Test and Evaluation. [CDRL K146 and CDRL K147]
- 4.4.1.18 The I&CO will be conducted incrementally for each site. The I&CO Report for each site shall be provided as the site is completed.
- 4.4.1.19 After the I&CO is completed, the Contractor shall provide the I&CO Report in the Project Acceptance Package. [CDRL K040]

#### 4.4.2 Detroit Sector HQ Facility

The Contractor shall procure, install and integrate computing and communications hardware, including connection to site services, necessary for installing (b) (7)(E) control stations into the Detroit Sector HQ facility IAW approved design documentation. [CDRL K147]

- 4.4.1.1 The Contractor shall procure, install and integrate computing, video display and communications hardware, including connection to site services, necessary for installing the bank of surveillance displays into the Detroit Sector HQ facility IAW approved design documentation. [CDRL K147]
- 4.4.1.2 The Contractor shall procure, install and integrate support infrastructure required to maintain the station upgrade equipment to include power or cooling products into the Detroit Sector HQ facility IAW approved design documentation.

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

**4.4.2 Buffalo Sector HQ Facility:** The Contractor shall procure, install and integrate computing and communications hardware, including connection to site services, necessary for installing video archive capability and (b) (7)(E) control stations into the Buffalo Sector Communications Center facility IAW approved design documentation [CDRL K146].

Upon installing the (b) (7)(E) control stations, the system shall expand from (b) (7) legacy control station to (b) (7) control stations that can access any of the video feeds.

- Option 2: The control stations shall (b) (7)(E) (b) (7)(E)

- Option 4: Upon installing the (b) (7)(E) control stations, the system shall expand from legacy control station to control stations that can control any of the video feeds.

4.4.2.1 The Contractor shall procure, install and integrate computing, video display and communications hardware, including connection to site services necessary for installing the bank of surveillance displays into the Buffalo Sector Communications Center facility IAW approved design documentation [CDRL K146].

4.4.2.2 The Contractor shall procure, install and integrate support infrastructure required to maintain the station upgrade equipment to include power or cooling products into the Buffalo Sector Communications Center facility IAW approved design documentation. [CDRL K146]

4.4.2.3 The Contractor shall integrate new RVSS camera feeds into the RVSS control stations to allow full camera control of all new RVSS cameras at the Buffalo Sector Communications Center facility IAW approved design documentation. [CDRL K146]

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

#### **4.4.3 I&CO of Facility Upgrades (WBS Item 3.6.10)**

The Contractor shall perform installation and check-out of the facility upgrades IAW approved design documentation [CDRL K146 and CDRL K147].

The Contractor shall provide “as-built” documentation. [Project Acceptance Package CDRL K040]

#### **4.5 Integration/Test (WBS Item 6)**

4.5.1 The Contractor shall integrate the System Segments and provide full integration, test, check-out, and acceptance of the system through customer acceptance IAW approved design documentation [CDRL K146 and CDRL K147].

#### **4.5.2 Legacy Video Display Integration**

4.5.2.1 Detroit Sector

4.5.2.1.1 The Contractor shall integrate legacy cameras currently received at Detroit Sector HQ covering the Detroit Sector AOR into the Detroit Sector HQ IAW approved design documentation [CDRL K147].

J.1.

#### 4.5.2.2 Buffalo Sector

- 4.5.2.2.1 The Contractor shall integrate existing fielded RVSS video feeds covering the Buffalo Sector AOR into the Buffalo Sector HQ IAW approved design documentation. [CDRL K146]

#### 4.5.3 RVSS Test and Evaluation (WBS 6.4)

The Contractor shall include the Test Plan with the Final Design Plan [CDRL K146 and CDRL K147]. The Contractor shall test and verify the following functional acceptance test in order for the RVSS over a minimum of seven (7) day test period to be considered fully operational:

- a. Camera signals from all day cameras and all Infrared cameras are continuously received at the control room for a seven day period.
  - Camera signals from day and IR cameras can be transitioned and assessed during thermal crossover periods for each crossover event during the test period.
- b. Control room personnel are able to remotely control each camera function by directing it to pan, tilt, and zoom (PTZ) through its prescribed range of motion and all camera operational modes from each control station are in accordance manufacturers' specifications.

- 4.5.3.1 The Contractor shall provide all Test Results within the Project Acceptance Package [CDRL K040].

#### 4.5.4 Project Acceptance Review (PAR)

The Contractor shall host a Project Acceptance Review upon completion of the Functional Acceptance Testing and delivery of the Project Acceptance Package [CDRL K040].

#### 4.6 Prime Mission Products (Material) (WBS Item 3.5)

- 4.6.1 The Contractor shall procure and track materiel, production spares, and consumable items required to implement the construction, deployment and integration of items in the field.
- 4.6.2 The Contractor shall procure computing and communications hardware, as well as the materials required to install the components into the Detroit Sector HQ facility IAW approved design documentation [CDRL K147].

J.1.

**4.6.3** The Contractor shall procure computing and communications hardware, as well as the materials required to install the components into the Buffalo Sector Communications Center facility IAW approved design documentation [CDRL K146].

#### **4.7 Integrated Logistics Support**

**4.7.1** All NB ILS Project Support Plan (PSP) requirements such as “*Asset Management/Provisioning/SE/Tech Doc/Training/Facilities Assessment/et al*” will be conducted in accordance with the applicable SBInet ILS PSP TO paragraph and in such a manner as to support the Northern Border task order CONOPS. Separate Boeing Charge Control Numbers (CCNs) will be developed for this effort and said CCNs will be developed consistent with and traceable to the applicable SBInet ILS PSP TO Work Breakdown Structure (WBS) and tracked in accordance with the SBInet ILS PSP TO WBS reporting requirements.

**4.7.2** The Contractor shall provide interim maintenance and logistical support through government acceptance to include tracking and resolving trouble reports and operator and maintenance manuals.

**4.7.3** The Contractor shall maintain all hardware and equipment in the field through government acceptance.

After functional acceptance testing, the CBP ILS Division will be responsible for operations and maintenance (O&M) and may opt to use the SBInet ILS TO to provide the O&M support.

#### **4.8 Training**

**4.8.1** The contractor shall provide training to the CBP Office for Training and Development (OTD) trainer not to exceed 8 hours. All COTS Operator Manuals/Owner Manuals for all deployed equipment purchased to include but not limited to the following: Video display units, Video recording system, Camera Control System, and any drawings developed during the scope of this project [CDRL K014].

**4.8.2** The Contractor shall provide a job aid showing all functions of the control room components (not to exceed two (2) pages).

#### **4.8.3 Supply Support & Provisioning**

4.8.3.1 The Contractor shall supply initial spares for non-reparable and long lead time items and reparable parts.

4.8.3.2 The Contractor shall supply and maintain equipment used for the install and check-out of the system through functional acceptance testing.

J.1.

4.8.3.3 The Contractor shall maintain a facility at the Sector for storage spares, parts, and equipment through government acceptance.

## 5. Deliverables/Delivery Schedule

All deliverables are subject to review and acceptance by the COTR. The acceptance criteria for the NBPTO product deliverables will be per the Project Acceptance Plans as reviewed and approved by the COTR.

### 5.1 Deliverables

NBPTO CDRL # K0XX	DID	SOW Para	CDRL Title	Data Type	Due Date (Calendar Days after TO Award)	Final or Frequency (Calendar Days after TO Award)	Format	Delivery Method
K022	SBI-DID-0023	All	PMR – Monthly Status Report	1	30 days	Monthly/ 1 week prior to PMR	MS Office	Electronic <ul style="list-style-type: none"> <li>• BPN</li> <li>• PIMS</li> </ul>
K146	SBI-DID-0038	4.2.2.2	Buffalo Design Plan Package	1	Draft 4/23/09 (100%)	Final 4/30/09 (100%)	MS Office AutoCAD Printed on D sheet size	Electronic <ul style="list-style-type: none"> <li>• BPN</li> <li>• PIMS</li> </ul>
K147	SBI-DID-0039	4.2.2.1	Detroit Design Plan Package	1	Draft 4/23/09 (60%) 5/22/09 (100%)	Final 4/30/09 (60%) 5/29/09 (100%)	MS Office AutoCAD Printed on D sheet size	Electronic <ul style="list-style-type: none"> <li>• BPN</li> <li>• PIMS</li> </ul>
K014	SBI-DID-0037	4.8	Training material and user documentation	1	Draft Buffalo –4/23/09 Detroit – 5/22/09	Final Buffalo–4/30/09 Detroit – 5/29/09	MS Office	Electronic <ul style="list-style-type: none"> <li>• BPN</li> <li>• PIMS</li> </ul>
K040	SBI-DID-0040	4.1.1.3 4.3 4.4 4.5	Project Acceptance Package	1	Draft Buffalo-12/11/09 Detroit-1/25/10	Final Buffalo 12/17/09 Detroit 2/1/2010	MS Office	Electronic <ul style="list-style-type: none"> <li>• BPN</li> <li>• PIMS</li> </ul>

Item	Deliverable	Delivery Date
0001	Buffalo Design (Fixed Price)	4/30/2009
0002	Detroit Design (Fixed Price)	5/29/2009
0003	(b) (7)(E) (b) (7)(E) (b) (7)(E) [REDACTED]	7/6/2009

J.1.

Item	Deliverable	Delivery Date
0004	(b) (7)(E) (b) (7)(E)  (b) (7)(E)	8/24/2009
0005	(b) (7)(E)	12/18/2009
0005aa	(b) (7)(E)	
0005ab	(b) (7)(E)	
0006	(b) (7)(E)  (b) (7)(E)	9/16/2009
0007	(b) (7)(E)	10/2/2009
0008	(b) (7)(E)	12/2/2009
0009	Detroit Deployment Unit 4 (Fixed Price)	2/2/2010
0009aa	(b) (7)(E)	
0009ab	Detroit Sector Final Acceptance	
0010	Travel (Cost Reimbursable) Not-to-Exceed	3/30/2010
0011	Incentive 1: CLIN 0003 Schedule and Acceptance (Fixed Price)	6/29/2009
0012	Incentive 2: CLIN 0006 Schedule and Acceptance (Fixed Price)	9/9/2009
0013	Incentive 3: CLIN 0005 Schedule and Acceptance (Fixed Price)	12/11/2009
0014	Incentive 4: CLIN 0009 Schedule and Acceptance (Fixed Price)	1/26/2010
Item	Optional Tasks	Delivery Date
0015	Optional Task 1: System Security Certification and Accreditation (C&A) (Fixed Price)	Determined upon exercise of option
0016	Optional Task 2: Integrated RVSS Control and Video Archive Retrieval (Fixed Price)	Determined upon exercise of option

Item	Deliverable	Delivery Date
0017	Optional Task 3: Uninterrupted Power Supply (UPS) (Fixed Price)	Determined upon exercise of option
0018	Optional Task 4: Integrate legacy RVSS in Buffalo into the new RVSS solution (Fixed Price)	Determined upon exercise of option

## 6. Government-Furnished Equipment & Government Furnished Information (GFE/GFI)

Type	Item
Access	The government will provide the contractor access to the facilities, vehicles, vessels and aircraft and appropriate / required personnel for the times necessary to accomplish the provisions of this SOW.
GFE	The government will provide RVSS monopole towers already procured to the contractor.
GFE	The government will provide all camera suites to support the RVSS video surveillance capabilities to the contractor.
GFI	The government will provide the NBP RVSS Deviation for Commodity Installation Waiver.
GFI	The government will provide the RVSS lay-down sites (selected installation sites).
GFI	The government will provide RVSS engineering design data, environmental data, and deployment data already produced under the previous RVSS project for the Buffalo Sector to the contractor.
GFI	The government will provide to the contractor current configuration and service data for all buildings, equipment, vehicles, vessels, aircraft, and site locations used to support the Northern Border Project.
GFI, Access	The government will provide a complete Environmental Assessment package to include Finding of No Significant Impact (FONSI) documents for all Detroit Sector RVSS sites.
GFI, Access	The government will provide a complete Environmental Assessment package to include FONSI documents for all Buffalo Sector RVSS sites.
GFI	The government will provide sample Interface Control Drawings to follow in support of both the Buffalo and Detroit design.

## 7. Security

Unclassified.

## 8. Place of Performance

Detroit, Michigan and Buffalo, New York

J.1.

## 9. Other Considerations

### 9.1 Travel

Travel will be in accordance with H.22 Travel of contract HSBP1006D01353. Notification of contractor travel will be provided to the COTR 7 days in advance.

### 9.2 Acronyms

AIS	Automatic Identification System
AMOC	Air Marine Operations Center
AOR	Area of Responsibility
ATO	Authority to Operate
ATP	Authority to Proceed
ATS	Automatic Transfer Switch
BFT	Blue Force Tracking
BMP	Best Management Practices
BOM	Bill of Material
BPN	Boeing Private Network
C3I	Command, Control, Communications, and Intelligence
C&A	Certification and Accreditation
CBP	Customs and Border Protection
CD	Calendar Days
CDR	Critical Design Review
CDRL	Contract Data Requirements List
CO	Contracting Officer
COTR	Contracting Officer Technical Representative
COP	Common Operational Picture
CPR	Cost Performance Report
DDR	Deployment Design Review
DHS	Department of Homeland Security
DID	Data Item Description
DPR	Deployment Planning Review

DRR	Deployment Readiness Review
DTP	Detailed Test Plan
EA	Environment Assessment
ECP	Engineering Change Proposal
EHS	Environmental, Health and Safety
EO/IR	Electro-Optical/Infra-Red
EVMS	Earned Value Management System
FAA	Federal Aviation Administration
FONSI	Finding Of No Significant Impact
GFE	Government Furnished Equipment
GFI	Government Furnished Information
GFP	Government Furnished Property
HQ	Headquarters
HW	Hardware
I&CO	Installation and Checkout
IAW	In Accordance With
IBR	Integrated Baseline Review
IOC	Initial Operational Capability
IOT&E	Independent Operational Test and Evaluation
ILS	Integrated Logistics Support
IMP	Integrated Master Plan
IMS	Integrated Master Schedule
IT	Information Technology
MS	Microsoft
MSS	Mobile Surveillance System
N/A	Not Applicable
NBP	Northern Border Project
NBPTO	Northern Border Project Task Order
NLT	No Later Than
O&M	Operations and Maintenance
OBP	Office of Border Patrol
OIT	Office of Information and Technology

OTD	Office for Training and Development
PAR	Project Acceptance Review
PDR	Preliminary Design Review
PIMS	Program Information Management System
PMR	Program Management Review
POAM	Plan of Action and Milestones
POE	Port of Entry
PTZ	Pan/Tilt/Zoom
RMS	Risk Management System
ROE	Right of Entry
ROE-c	Right of Entry for construction
RVSS	Remote Video Surveillance System
SAT	System Acceptance Testing
SBI	Secure Border Initiative
SEP	Systems Engineering Plan
SIL	Systems Integration Lab
SM&P	Supplier Management and Procurement
SOW	Statement of Work
SSO	System Security Officer
SSP	System Security Plan
STO	Systems Task Order
SW	Software
TBD	To Be Determined
TO	Task Order
TPM	Technical Performance Measures
TRR	Test Readiness Review
UGS	Unattended Ground Sensors
UPS	Uninterrupted Power Supply
USCG	United States Coast Guard
USA	United States of America
VRF	Virtual Router Forwarding
WBS	Work Breakdown Structure

**Department of Homeland Security (DHS) /  
U.S. Customs and Border Protection (CBP)**

**Northern Border Project,  
Secure Border Initiative (SBI*net*)  
Task Order**

---

**Northern Border Technical Baseline  
March 25, 2009**

<b>1.0</b>	<b>NBP TO GFI LAYDOWN .....</b>	<b>3</b>
<b>2.0</b>	<b>INTRODUCTION.....</b>	<b>5</b>
2.1	Background .....	5
2.2	Mission Overview .....	5
2.3	NBP TO Detailed Task Order Project Plan.....	6
2.4	Proposed Solution (Contract Reference H.3.2 (a)).....	6
<b>3.0</b>	<b>NBP TO TECHNICAL BASELINE.....</b>	<b>7</b>
3.1	Overview .....	7
3.2	Integration Facility Support.....	9
3.3	Integration and Functional Test.....	9
<b>4.0</b>	<b>NBP TECHNICAL APPROACH .....</b>	<b>11</b>
4.1	Site Integration .....	11
<b>5.0</b>	<b>ATTACHMENT A H.3.2(B) DETAILED TASK ORDER PROJECT PLAN.....</b>	<b>13</b>
<b>6.0</b>	<b>H.3.2(B)(1) GOVERNMENT RESOURCES.....</b>	<b>14</b>

## 1.0 NBP TO GFI Laydown

The RVSS site Laydown for the NBP TO consists of [REDACTED] RVSS sites, [REDACTED] communications relay site, and the Sector HQ facility in Buffalo and [REDACTED] RVSS sites, [REDACTED] communications relay site, and the Sector HQ facility in Detroit. The exact location of each of these sites is Government Furnished through government executed Environmental Assessments (EA), Findings of No Significant impact (FONSI) studies, and leases or procurements.

The following Table provides the government provided GPS coordinates for these locations:

Table 1: NBP TO GFI Laydown GPS coordinates

BUFFALO SITES				
(b)	(7)	(E)		

  

DETROIT SITES				
Site	Description	Facility Type	Latitude	Longitude
(b)	(7)	(E)		

## 2.0 INTRODUCTION

### 2.1 Background

The NBP deployment is a commodity integration and installation effort that will deliver RVSS capabilities within the Buffalo and Detroit Sectors to increase surveillance and monitoring of illegal incursions in specified river areas along the Northern Border. The NBP deployment will utilize GFE/GFI for infrastructure and sensor technologies and Boeing-integrated communications technologies and assets for the RVSS control stations to be located in each sector's HQ.

### 2.2 Mission Overview

The NBP will involve the deployment and acceptance of RVSS capabilities along (b) (7)(E)

(b) (7)(E) in Buffalo Sector and (b) (7)(E)

(b) (7)(E) in the Detroit Sector. This equipment will add additional surveillance capability to the existing infrastructure and resources used by CBP Agents in the two sectors. In both Buffalo and Detroit Sectors, these additions include installation of towers or modifications to existing structures, which will serve as platforms for government furnished camera sets and contractor provided communications equipment to establish a backhaul digital communications link to support transmission of video channels to the sector HQs and (b) (7)(E)

Additionally, NBP will integrate the designated video feeds from legacy cameras currently received in both HQs.

In the Buffalo Sector, this includes integration with a legacy RVSS deployment (Option 4).

The project utilizes GFI environmental assessments (EA), design data, and configuration and service data for all buildings, equipment, and site locations used to support the NBP. The RVSS platforms are (b) (7)(E)

(b) (7)(E) through integration of Boeing designed and integrated communications and command and control technology under this Task Order.

Since a large part of the RVSS Sites equipment and technology is DHS/CBP-supplied GFE/GFI, the deliverables will focus on the design, installation, integration and functional testing of the RVSS in accordance with the intent of CBP's RVSS Test and

Acceptance Plan v1.2 dated March 2005. The contractor will also follow a streamlined design process that will involve management and technical reviews limited to:

- Design Technical Interchange Meeting (TIM) to present a final Design Plan, which includes the Test Plan and Test Reports, an installation schedule, and the authority to proceed
- Project Acceptance Review to present the Project Acceptance Package.

### **2.3 NBP TO Detailed Task Order Project Plan**

The overall scope includes the following milestones: Buffalo Sector design; Detroit Sector design; Buffalo Sector deployment; Detroit Sector deployment; installation and check-out; functional testing; project acceptance package; and project acceptance review. NBP will achieve these milestones using TO program management independent from IDIQ support and the *SBinet* STO contract.

### **2.4 Proposed Solution (Contract Reference H.3.2 (a))**

The NBP is a (b) (7)(E) solution aimed at improving surveillance coverage in the Buffalo and Detroit Sectors by installing RVSS sites along the Upper Niagara and St. Clair Rivers. The proposed solution, briefly outlined in Sections 1.1 through 1.3 above, is presented in more detail in Sections 2 and 3. Since a large part of the RVSS Sites' equipment to be deployed is GFE, with the Government providing a portion of the solution, the NBP solution will not follow the same systems engineering steps as with other *SBinet* programs, but will instead focus on the design, installation, deployment, and functional testing of the system, in accordance with the RVSS Commodity Build Waiver dated December 23, 2008.

### 3.0 NBP TO technical baseline

#### 3.1 Overview

NBP is responsible for deploying RVSS capabilities to Government directed locations using Government furnished (b) (7)(E)

(b) (7)(E)

(b) (7)(E) to be installed on Government provided platforms (monopoles and leased existing structures). These deployed RVSS capabilities are to be integrated into a Boeing designed baseline network and digital backhaul communications infrastructure for (b) (7)(E)

(b) (7)(E)

To ensure that the deployment of these RVSS capabilities to the government designated sites is achieved in both a timely and cost effective way, we are retaining the services of experienced tower deployment suppliers with the appropriate staff and/or sub-contractors available immediately upon contract award to perform the RVSS site mechanical design effort for installation and deployment of the RVSS capabilities.

##### 3.1.1 RVSS Architecture

The NBP RVSS architecture is constrained by the GFE camera set and platforms. These constraints limit the NBP RVSS solution to a capability defined by these prime items. The Communications, Network and C2 architectures are designed to provide maximum delivery and user experience within these constraints.

##### 3.1.2 Communications Architecture

The NBP TO communications architecture is based on the *SBI<sub>net</sub>* “toolbox” digital microwave solution using the Harris radio and antenna sets. This communications architecture is limited based on the GFI sites and platform structures, which results in reduction of reliability capabilities to include the inability to provide redundant communications paths for all paths. NBP will be combining the microwave communications capability with Government provided fiber optic capabilities at select sites.

Based on preliminary communications Line-of-sight (LOS) link analysis conducted under the NBP Buffalo design Task, the microwave and fiber optic communications plan to the right is the baseline Buffalo Sector design for this contract. Links identified in Table 2 below, are designated as microwave communications links using the bright yellow line and fiber optic circuits are indicated using the orange line. These links are also identified in Table 2: Baseline Buffalo Communications Link Types.

**Table 2: Baseline Buffalo Communications Link Types**

Link	Type
<b>(b) (7) (E)</b>	

The microwave and fiber optic communications plan below is the baseline Detroit Sector design for this contract.

Links are identified in this diagram using the same annotations as in the Buffalo diagram above. These links are also identified below.

**Table 3: Baseline Detroit Communications Link Types**

Link	Type
<b>(b) (7) (E)</b>	

### **3.1.3 Network Architecture**

The NBP TO network architecture is based on the *SBlnet* “toolbox” secure network solution using Cisco router solution used in the vehicle solution on P-28 and is the baseline for this contract. .

## **3.2 Integration Facility Support**

Boeing will integrate prime delivery items according to their independent interface and functional specifications provided by the vendor or government. These interface documents are considered baseline for this contract. The NBP team is required to do interface integration and verification testing prior to installation begins for deployment in Buffalo or Detroit. These integration and interface verification activities require a pre-deployment integration facility to provide the most efficient and effective environment for execution.

An example of this interface integration is the effort associated with controlling the GFE camera set with the COTS video management system software and preparing the COTS video management system software for integration with the legacy RVSS in Buffalo (Option 4.)

For the first item GFE camera set, the integration and interface verification between the GFE camera set and the COTS video management system software will be conducted in the Boeing Mission Systems software integration facility in Colorado Springs, Colorado. Once the GFE camera set has been integrated with the COTS video management system software, it will be shipped to a integration facility in Huntsville, Alabama to perform integration and interface verification with the Harris microwave radio solution to ensure the microwave communications design meets the bandwidth requirements for successful transmission of the video and control data associated with the NBP RVSS communications architecture in section 3.1.2.

## **3.3 Integration and Functional Test**

As outlined above, NBP requires the execution of integration and functional test at the component level prior to deployment within sector of the final commodity installation. These activities will only be conducted to the functional level to verify interfaces. These tests will not include performance testing for the GFE items or the *SBlnet* “toolbox”

items, as the results of vendor or *SBlnet* performance testing will be accepted for these components, as directed by CBP.

Once the final technical solution is ready for integration with and installation on the sector RVSS platforms, Boeing and our Suppliers will conduct integration activities at either a CBP provided or Boeing leased staging area within sector to confirm the configuration and functional operation of the individual RVSS site installations. This activity will ensure that all of the prime items are operational prior to lifting the RVSS platform into place. Once the RVSS site package has completed integration and testing in the staging area, it will be packaged and transported to the RVSS site for installation.

## **4.0 NBP Technical Approach**

### **4.1 Site Integration**

As each site has its own unique requirements for integration, NBP has identified two basic integration types to use as a baseline for design purposes which will be tailored based on the specific site requirements: Monopole Tower Sites and Existing Structure Sites.

#### **4.1.1 Monopole Towers Sites**

These sites require a deployment design package and schedule that reflects the activities required for site preparation associated with establishing grid power and in some cases fiber optic access at the tower site, excavation and construction activities associated with establishing a tower foundation, and crane activities associated with erection of a monopole tower and lifting the RVSS platform to the top of the monopole tower.

As the monopole tower structures are identical in design, the baseline design incorporates a standard foundation plan.

Details concerning the baseline approach for these sites are provided in the Site Data Sheets found in 5.0.

#### **4.1.2 Existing Structure Sites**

These sites require a deployment schedule which allows for structural analysis, platform design, design approval by the structure management or ownership authorities, platform fabrication, and potential structural modifications to accommodate the RVSS payload.

As each of these sites is unique, there is very little reuse of mechanical design elements between these sites.

Details concerning the baseline approach for these sites are provided in the Site Data Sheets found in 5.0.

### 4.1.3 Tactical Infrastructure

For a (b) (7)(E) there is a temporary requirement for installation of an (b) (7)(E). This (b) (7)(E) will be restored to its original condition after deployment of this site.

For (b) (7)(E) there is a need for the installation of a (b) (7)(E). This (b) (7)(E)

(b) (7)(E) At the (b) (7)(E) there will be a (b) (7)(E)

(b) (7)(E) This (b) (7)(E) (b) (7)(E)

There are four (4) sites in Detroit Sector (b) (7)(E) which may require the permanent installation of security perimeter fencing to protect the RVSS monopole tower from malicious access. This fencing will be deployed in accordance with the approved design for these sites. There is no other tactical infrastructure proposed under this Task Order.

### 4.1.4 Facilities

Other than the RVSS and Communications Relay sites, there are two facilities which will be upgraded to support this deployment: Buffalo Sector HQ Communications Center and Detroit Sector HQ.

The Buffalo Sector HQ Communications Center is a modern facility with adequate infrastructure to support the upgraded capability planned with minimal modifications to the facility. As such, Boeing will require minimal changes to this facility to accommodate our deployment. As per the NBP Buffalo Sector HQ Communications Center Facilities Design and Engineering Schedule, facility coordination will be required to ensure limited impact to operations during these upgrade activities.

The Detroit Sector HQ is a circa 1940 facility and will require extensive upgrades to support the upgraded capabilities required for this deployment. As such, Boeing and our Suppliers will need to make substantial upgrades to the facility. As per the NBP Detroit Sector HQ Facilities Design and Engineering Schedule, facility coordination will be required to ensure limited impact to operations during these upgrade activities.

**5.0 Attachment A H.3.2(b) Detailed Task Order Project Plan**

**Buffalo Sector Data Sheets**



## 6.0 H.3.2(B)(1) GOVERNMENT RESOURCES

Item #	Description	Furnished Not Later Than
1	Receive access to current configuration and service data for all Buffalo Sector buildings equipment, and site locations (including coordinates)	03/30/09
2	Receive Frequency Allocation (Buffalo Sector)	05/29/09
3	Receive delivery schedule for all camera suites	03/30/09
4	Receive RVSS engineering design data, environmental data, and deployment data already produced under the previous RVSS project for the Buffalo Sector to the contractor	Done
5	Receive Monopole Towers	Done
6	Receive complete Environmental Assessment package to include FONSI documents for all Buffalo Sector RVSS sites*	03/30/09
7	Receive all site survey, legal descriptions and access associated with each Buffalo Sector RVSS Tower Site*	30 Days prior to Construction
8	Receive Draft Camera Set hardware and software VICD	03/30/09
9	Receive complete Environmental Assessment package to include Finding of No Significant Impact (FONSI) documents for all Detroit Sector RVSS sites*	07/02/09
10	Receive all site survey, legal descriptions and access associated with each Detroit Sector RVSS Tower Site*	30 Days prior to Construction
11	Receive access to current configuration and service data for all Detroit Sector buildings, equipment, and site locations (including coordinates)	04/13/09
12	Receive Frequency Allocation (Detroit Sector)	06/25/09

The GFI items identified in the following attachment itemizes the GFI data received to date:

(b) (7)(E)

Item Name	Description	Delivered through	
		Contracts	Alpha Negotiations

(b) (7) (E)

(b) (7) (E)

<b>Item #</b>	<b>Description</b>	<b>Furnished Not Later Than</b>
1	Receive access to current configuration and service data for all Buffalo Sector buildings equipment, and site locations (including coordinates)	03/30/09
2	Receive Frequency Allocation (Buffalo Sector)	05/29/09
3	Receive delivery schedule for all camera suites	03/30/09
4	Receive RVSS engineering design data, environmental data, and deployment data already produced under the previous RVSS project for the Buffalo Sector to the contractor	Done
5	Receive Monopole Towers	Done
6	Receive complete Environmental Assessment package to include FONSI documents for all Buffalo Sector RVSS sites*	03/30/09
7	Receive all site survey, legal descriptions and access associated with each Buffalo Sector RVSS Tower Site*	30 Days prior to Construction
8	Receive Draft Camera Set hardware and software VICD	03/30/09
9	Receive complete Environmental Assessment package to include Finding of No Significant Impact (FONSI) documents for all Detroit Sector RVSS sites*	07/02/09
10	Receive all site survey, legal descriptions and access associated with each Detroit Sector RVSS Tower Site*	30 Days prior to Construction
11	Receive access to current configuration and service data for all Detroit Sector buildings, equipment, and site locations (including coordinates)	04/13/09
12	Receive Frequency Allocation (Detroit Sector)	06/25/09

<b>DATA ITEM DESCRIPTION</b>		
1. TITLE <b>Integrated Logistics Support Training Support Package</b>	2. IDENTIFICATION NUMBER <b>NBPTO-DID-0037</b>	
3. DESCRIPTION/PURPOSE <p>This Training Data Item Description is created under the guidance of the, SBInet NBP Training Working Group (SNTWG), the Office of Training and Development (OTD), the Office of Information Technology (OIT), and the SBInet ILS Division. The Contractor shall prepare and provide a Training Support Package (TSP) that will enable the SBInet program to obtain the necessary documentation (any and all documentation, manuals or training material on any and all equipment, and documents that are developed by any provider of equipment and/or services for the effort) to obtain transition knowledge from the Northern Border Project effort. The documentation will support training development by OTD/OIT for Operations and Maintenance training.</p> <p>This DID is applicable to the Northern Border Project (NBP) effort for both Buffalo and Detroit.</p>		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Northern Border Project Management	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES <b>CDRL K014</b>	
10. PREPARATION INSTRUCTIONS <b>CONTENT:</b> Contractor shall provide Training to only include: <ol style="list-style-type: none"> <li>1) An operator job aid showing all functions of the control room components (not to exceed 2 pages).</li> <li>2) All COTS Operator Manuals/Owner Manuals for all deployed equipment purchased to include but not limited to the following: Video display units, Video recording system, Camera Control System, and any drawings developed during the scope of this project.</li> <li>3) Session of 8 hours with a Boeing SME on the camera control system to include video recording.</li> </ol> <b>FORMAT FOR SUBMISSION:</b> ILS Training Support Package shall be in the contractor format (i.e., MS Office) and provided in electronic media.		

<b>DATA ITEM DESCRIPTION</b>		
1. TITLE <b>Buffalo Final Design Package</b>	2. IDENTIFICATION NUMBER <b>SBI-DID-0038</b>	
3. DESCRIPTION/PURPOSE <p>The Buffalo Final Design Package will contain Deployment Level architecture and implementation design for all RVSS sites for the Buffalo sector. This package will include inputs to address the following areas: Deployment Design Engineering, Configuration Management, Quality Assurance, and Test and Evaluation, to ensure that comprehensive deployment designs and plans have been defined.</p> <p>This DID is applicable to the Northern Border Project effort and consists of both an In-Progress Review Package (to be delivered one week prior to the in-progress review date) and the Review Checklist.</p>		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Northern Border Project	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES <b>CDRL K146</b>	
10. PREPARATION INSTRUCTIONS <p><b>CONTENT:</b> The packages shall contain the following artifacts, as applicable, to support the successful completion of the NBP Buffalo Design effort. The review emphasis will be to ensure a common understanding of the NBP/Buffalo - Project Level deployment architecture.</p> <p><b>Buffalo Design</b></p> <ul style="list-style-type: none"> <li>a. Design Package Entrance/Exit criteria and Review Checklist</li> <li>b. Level I and II Interface Control Drawings (ICDs) <ul style="list-style-type: none"> <li>a. Government will provide sample format to follow</li> </ul> </li> <li>c. Deployment Architecture Views <ul style="list-style-type: none"> <li>a. To include only SV-1, SV-2, SV-4 and OV-1</li> </ul> </li> <li>d. Facility, communications, computers, &amp; peripherals drawings <ul style="list-style-type: none"> <li>a. Towers, Power, and Access Roads: <ul style="list-style-type: none"> <li>o Cover sheet w/vicinity map</li> <li>o General notes and special conditions (includes construction activities and sequence)</li> <li>o Survey reference sheet</li> <li>o Site plan</li> <li>o Roadway typical sections</li> <li>o Tower site grading plan</li> <li>o Road plan with limits of construction and profile(s) - may be multiple</li> </ul> </li> </ul> </li> </ul>		

<b>DATA ITEM DESCRIPTION</b>	
1. TITLE	2. IDENTIFICATION NUMBER
<b>Buffalo Final Design Package</b>	<b>SBI-DID-0038</b>
<ul style="list-style-type: none"> <li>o Drainage details</li> <li>o Erosion control plan and details</li> <li>o Tower site and road cross sections - multiple sheets</li> <li>o Low water cross sections for each crossing</li> <li>o Stream profiles and cross sections</li> <li>o Mobilization plan with construction limits</li> <li>o RVSS Tower site gen notes/spec conditions/construction seq.</li> <li>o Fence plan with details</li> <li>o Compound Plan</li> <li>o Compound: Typical/Proposed Details</li> <li>o Tower: Elevations</li> <li>o Electrical Power</li> <li>o Electrical grounding</li> <li>o Shelter/equipment details</li> <li>o Tower-foundation design</li> <li>o Electronic security plan</li> <li>o Revised cost estimate</li> <li>o Technical specifications</li> <li>o Permits for construction identified and ready for submittal</li> <li>b. Facilities: <ul style="list-style-type: none"> <li>o Interior Solution <ul style="list-style-type: none"> <li>• Cover sheet</li> <li>• Architectural (layout finishes)</li> <li>• Structural</li> <li>• Electrical-detailing panel and outlets</li> <li>• HVAC</li> <li>• Lighting</li> <li>• Communications Data Plan</li> </ul> </li> </ul> </li> <li>e. Risk and Management Plans</li> <li>f. Documentation showing NBP IMP/IMS compliance</li> </ul>	

<b>DATA ITEM DESCRIPTION</b>	
1. TITLE	2. IDENTIFICATION NUMBER
<b>Buffalo Final Design Package</b>	<b>SBI-DID-0038</b>
<ul style="list-style-type: none"> <li>g. Preliminary Test Procedures</li> <li>h. C&amp;A Security Plan (OPTIONAL TASK 1)</li> <li>i. IT Security Plan (OPTIONAL TASK 1)</li> <li>j. Interim Logistics Support Plan</li> <li>k. GFE Environmental database identifying the permits and other documents required for Buffalo Sector site/activity</li> <li>l. Updated Environmental, Health and Safety Plan</li> </ul> <p><b>FORMAT FOR SUBMISSION:</b> The Buffalo Final Design Package shall be in the contractor's format (i.e., MS Office) and provided in electronic media.</p>	

<b>DATA ITEM DESCRIPTION</b>		
1. TITLE <b>Detroit Final Design Package</b>	2. IDENTIFICATION NUMBER <b>SBI-DID-0039</b>	
3. DESCRIPTION/PURPOSE <p>The Detroit Final Design Package will contain Deployment Level architecture and implementation design for all RVSS sites for the Detroit sector. This package will include inputs to address the following areas: Deployment Design Engineering, Configuration Management, Quality Assurance, and Test and Evaluation, to ensure that comprehensive deployment designs and plans have been defined.</p> <p>This DID is applicable to the Northern Border Project effort and consists of both an In-Progress Review Package (to be delivered one week prior to the in-progress review date) and the Review Checklist.</p>		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Northern Border Project	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES <b>CDRL K147</b>	
10. PREPARATION INSTRUCTIONS <p><b>CONTENT:</b> The packages shall contain the following artifacts, as applicable, to support the successful completion of the NBP effort Detroit Design. The review emphasis will be to ensure a common understanding of the NBP/Detroit - Project Level deployment architecture.</p> <p><b>Detroit Design</b></p> <ul style="list-style-type: none"> <li>a. Design Package Entrance/Exit criteria and Review Checklist</li>   <li>b. Level I and II Interface Control Drawings (ICDs) <ul style="list-style-type: none"> <li>a. Government will provide sample format to follow</li> </ul> </li> <li>c. Deployment Architecture Views <ul style="list-style-type: none"> <li>a. To include only SV-1, SV-2, SV-4 and OV-1</li> </ul> </li> <li>d. Facility, communications, computers, &amp; peripherals drawings <ul style="list-style-type: none"> <li>a. Towers, Power, and Access Roads: <ul style="list-style-type: none"> <li>o Cover sheet w/vicinity map</li> <li>o General notes and special conditions (includes construction activities and sequence)</li> <li>o Survey reference sheet</li> <li>o Site plan</li> <li>o Roadway typical sections</li> <li>o Tower site grading plan</li> </ul> </li> </ul> </li> </ul>		

<b>DATA ITEM DESCRIPTION</b>	
1. TITLE	2. IDENTIFICATION NUMBER
<b>Detroit Final Design Package</b>	<b>SBI-DID-0039</b>
<ul style="list-style-type: none"> <li>o Road plan with limits of construction and profile(s) - may be multiple</li> <li>o Drainage details</li> <li>o Erosion control plan and details</li> <li>o Tower site and road cross sections - multiple sheets</li> <li>o Low water cross sections for each crossing</li> <li>o Stream profiles and cross sections</li> <li>o Mobilization plan with construction limits</li> <li>o RVSS Tower site gen notes/spec conditions/construction seq.</li> <li>o Fence plan with details</li> <li>o Compound Plan</li> <li>o Compound: Typical/Proposed Details</li> <li>o Tower: Elevations</li> <li>o Electrical Power</li> <li>o Electrical grounding</li> <li>o Shelter/equipment details</li> <li>o Tower-foundation design</li> <li>o Electronic security plan</li> <li>o Revised cost estimate</li> <li>o Technical specifications</li> <li>o Permits for construction identified and ready for submittal</li> <li>b. Facilities: <ul style="list-style-type: none"> <li>o Interior Solution <ul style="list-style-type: none"> <li>• Cover sheet</li> <li>• Architectural (layout finishes)</li> <li>• Structural</li> <li>• Electrical-detailing panel and outlets</li> <li>• HVAC</li> <li>• Lighting</li> <li>• Communications Data Plan</li> </ul> </li> </ul> </li> <li>e. Risk and Management Plans</li> </ul>	

<b>DATA ITEM DESCRIPTION</b>	
1. TITLE	2. IDENTIFICATION NUMBER
<b>Detroit Final Design Package</b>	<b>SBI-DID-0039</b>
<ul style="list-style-type: none"> <li>f. Documentation showing NBP IMP/IMS compliance</li> <li>g. Preliminary Test Procedures</li> <li>h. C&amp;A Security Plan (OPTIONAL TASK 1)</li> <li>i. IT Security Plan (OPTIONAL TASK 1)</li> <li>j. Interim Logistics Support Plan</li> <li>k. GFE Environmental database identifying the permits and other documents required for Buffalo Sector site/activity</li> <li>l. Updated Environmental, Health and Safety Plan</li> </ul> <p><b>FORMAT FOR SUBMISSION:</b> The Detroit Final Design Package shall be in the contractor's format (i.e., MS Office) and provided in electronic media.</p>	

## DATA ITEM DESCRIPTION

1. TITLE Project Acceptance Package	2. IDENTIFICATION NUMBER SBI-DID-0040	
3. DESCRIPTION/PURPOSE <p>Final acceptance of the project by the customer is documented in a Project Acceptance Package (or Protocol.) This package also documents Boeing’s acceptance of the completed system and compliance with the requirements of the efforts applicable to the project. It also will include all evidence necessary to show compliance with the Schedule/Performance Incentive of the Northern Border Project effort.</p> <p>It is divided into annexes to facilitate understanding of all aspects of the project being accepted. The annexes that will be included in the Project Acceptance Package and a description of the purpose of each are listed below.</p> <p>The Project Acceptance Package will also include all the final project artifacts: As-builts documentation, Operating Manuals, Maintenance Manuals, warranties, test results, and registrations.</p> <p>This Data Item Description (DID) contains format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.</p>		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Northern Border Project	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES <b>CDRL K040</b>	
10. PREPARATION INSTRUCTIONS <p><b>CONTENT:</b> The plan shall contain the following:</p> <p><b>Overview.</b> Consists of a brief description of the objectives of the acceptance plan, including flow diagrams, milestones, personnel participation, and security requirements. This section shall include the following:</p> <ol style="list-style-type: none"> <li>a. Identify the roles and responsibilities for the functions and participants involved in the acceptance process. Include Government and Contractor participation.</li> <li>b. Flow diagram. A functional description of the acceptance program (including test, QA, etc.) using a block diagram portrayal of the functions that must be met to satisfy the total acceptance program. Functions shall be numbered 1.0, 2.0, 3.0, etc...</li> <li>c. Milestones. Identifies the start and expected completion dates of acceptance steps to be performed.</li> <li>d. Describe the reviews and criteria which support the acceptance process from the Test and Evaluation, Quality Assurance, and Configuration Management functions.</li> <li>e. Security. Identify and state briefly any security measures of guidelines to be observed.</li> </ol>		

## 10. Preparation Instructions (Continued)

- f. Master test list. Lists all tests to be accomplished in the order they are to be performed. Separate listings for each location shall be provided (if applicable). This listing shall include the following:
  - 1. Facility. Location where the acceptance test is to be performed.
  - 2. Item number. Identifying number for each piece of equipment or item on which a test will be performed.
  - 3. Test description. Name and brief description of test to be performed.
  - 4. Parameters. The number of cycles the test will be performed and selected parameters to be observed.
  - 5. Equipment location. Current location of equipment to be tested or used in the acceptance test.
- g. Special tests. Provides a list of special or unusual tests and examinations necessary to verify satisfactory equipment performance to specifications.
- h. Equipment list. The equipment list shall list all equipment to be used in the acceptance test (if applicable). The listing shall include the following:
  - 1. Test equipment. List all test equipment by:
    - a) Description.
    - b) Nomenclature.
    - c) Serial number.
  - 2. Support equipment. List all support equipment by:
    - a) Description.
    - b) Nomenclature.
    - c) Serial number.
- i. Special test equipment. List all special test equipment required to be designed or constructed for use on the program (if applicable) by:
  - 3. Description.
  - 4. Nomenclature.
  - 5. Date required.
- j. Validation procedure. An overview of the procedures that the contractor will use to validate the test results.

## 10. Preparation Instructions (Continued)

## k. Acceptance Package Annexes

## 1. Certificate of Completion and Acceptance

This is to certify that the required annexes to this Protocol have been completed (see attached) and that final acceptance and delivery can be executed.

## 2. Approval of Design

This certifies that the design of the project obligations necessary to complete the Task Order have been fulfilled. For NBP this will include verification of compliance to the RVSS Specification provided as GFE.

## 3. Approval of Installation

This certifies that the installation of the project obligations necessary to complete the Task Order have been fulfilled, unless listed in Annex 7, List of Shortages and Non-compliances.

## 4. Approval of Functional Acceptance Testing (FAT)

This certifies that the functional acceptance testing of the project has been performed in accordance with the approved design and that all contractor test obligations necessary to complete the effort have been fulfilled, unless listed in Annex 7, List of Shortages and Non-compliances.

## 5. Approval of Certifications

This certifies that the all necessary certifications for the build and operation of the system have been completed.

## 6. Description of Items Delivered (BOM)

This certifies that all the items on the BOM (Bill of Material) are at the time of delivery, installed on-site as specified or provided with this certificate. This Annex will include a DD-1149 to transfer the project components as Government Property.

## 7. List of Shortages and Non-compliances

This list summarizes the Shortages and Non-compliances for the effort. A detailed description of the individual Shortages and Non-compliances is attached thereto.

The Project Acceptance Package will initially be presented 15 days prior to the Project Acceptance Review. It will be updated and re-submitted 15 days after the Project Acceptance Review.

**FORMAT/SUBMISSION:** The plan shall be in contractor's format (i.e., MS Office) and provided in electronic media.

<b>DATA ITEM DESCRIPTION</b>		
1. TITLE <b>Monthly Status Report</b>	2. IDENTIFICATION NUMBER <b>SBI-DID-0023</b>	
3. DESCRIPTION/PURPOSE <p>The Monthly Status Report documents the status of subcontractor effort towards achieving subcontract objectives. It identifies achievements to date, difficulties encountered, and compares the status achieved to planned goals. It is used by the buyer to monitor and evaluate subcontractor's performance.</p> <p>The Integrated Master Plan (IMP) – NO NARRATIVE is an alternate view of the Integrated Master Schedule (IMS) for the purposes of management review and analysis. The IMP is a representation of the IMS detail tasks organized into hierarchal groupings by means of a structure consisting of Program Events (PE) (i.e. gates), Accomplishment Criteria (AC), and Significant Accomplishments (SA).</p> <p>This DID is applicable to the Northern Border Project effort.</p>		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Northern Border Project Management	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES <b>CDRL K022</b>	
10. PREPARATION INSTRUCTIONS <p><b>CONTENT:</b> The status report shall be in prepared as described below:</p> <p>a) Identification. The data indicated below shall be contained on a title page or on the first page of the report.</p> <ol style="list-style-type: none"> <li>1. Title/identification of the system/component/program/project.</li> <li>2. Type of report (e.g., monthly, interim, final).</li> <li>3. Period covered by the report</li> <li>4. Task Order number</li> <li>5. Preparing activity or seller's title.</li> <li>6. Security classification, when required</li> </ol> <p>b) Content. The report shall contain the following:</p> <ol style="list-style-type: none"> <li><b>1. Summary.</b> The summary shall include a brief statement of the overall project status, covering the achieved technical activities and development, objectives of efforts, summary results of efforts, identification of major problems / deficiencies with impact, and recommended solutions.</li> <li><b>2. Body of report.</b> The Status Report shall contain the following information associated with Work Effort Status. The status of each work effort as defined by the Purchase Order and Statement of Work (SOW) utilizing the Integrated Master Schedule (IMS) as a support tool, as appropriate. The seller shall prepare the monthly progress report utilizing the following as a guide. <ol style="list-style-type: none"> <li>a. A statement as to whether or not the program / project work effort is on schedule; if not, the efforts planned to meet the schedule shall be indicated</li> </ol> </li> </ol>		

<b>DATA ITEM DESCRIPTION</b>	
1. TITLE	2. IDENTIFICATION NUMBER
<b>Monthly Status Report</b>	<b>SBI-DID-0023</b>
<ul style="list-style-type: none"> <li>b. A brief description of technical developments and achievements on each work effort to date.</li> <li>c. A narrative of outstanding problems existing as of the previous status report, and their resolution status.</li> <li>d. Any other information which may cause significant changes in the program schedule.</li> <li>e. Status of completed in progress reviews with significant results and action item status, as applicable</li> <li>f. Technical Files and Data: A list of all Contractor generated documents or data prepared / released /delivered, in support of the SOW, since the last report. Include document title, number date, and subject.</li> <li>g. Report preparer. Name of person(s) preparing report and telephone number(s).</li> </ul> <p><b>Integrated Master Plan / Integrated Master Schedule</b>  The IMP will have the format and shall be prepared in accordance with Data Item Description (DID) SBI-DID-0015 dated November 26, 2007.  The IMP will be accompanied by an Integrated Master Schedule (IMS)</p> <p><b>FORMAT FOR SUBMISSION:</b> Monthly Status Reports shall be in the contractor's format (i.e., MS Office) and provided in electronic media.</p>	