County of Los Angeles
Sheriff's Department Headquarters
4700 Ramona Boulevard
Monterey Park, California 91754-2169

LEROY D. BACA, SHERIFF

August 31, 2010

ADOPTED
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

37 August 31, 2010

Sachi A. Hamai
SACHI A. HAMAI
EXECUTIVE OFFICER

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
Los Angeles, California 90012

Dear Supervisors:

APPROVE AMENDMENT NUMBER ONE TO AGREEMENT NUMBER 76852 WITH M.C. DEAN, INCORPORATED FOR THE IMPLEMENTATION OF PHASES III AND IV OF THE NATIONAL OPERATIONS CENTER CONNECTIVITY SYSTEM FOR THE LOS ANGELES COUNTY EMERGENCY OPERATIONS CENTER (ALL DISTRICTS) (3 VOTES)

CIO RECOMMENDATION: APPROVE (X) APPROVE WITH MODIFICATION ( ) DISAPPROVE ( )

SUBJECT

This Board letter requests approval and execution of Amendment Number One (Amendment) to Agreement Number 76852 (Agreement) with M.C. Dean, Incorporated (M.C. Dean) to execute Phases III and IV of the Los Angeles County Emergency Operations Center's (CEOC) National Operations Center (NOC) connectivity project, utilizing 100 percent grant funding.

IT IS RECOMMENDED THAT YOUR BOARD:

Approve and instruct the Chair of the Board to sign the Amendment to the Agreement with M.C. Dean to provide Phases III and IV of the CEOC's NOC connectivity project. The proposed Amendment increases the maximum contract sum under the Agreement by $1,285,000 to $3,985,000.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

Approval of this action will allow M.C. Dean to implement Phases III and IV of the NOC project to provide connectivity between the CEOC and the Department of Homeland Security's (DHS) NOC. This is a continuation of the Los Angeles County Sheriff's Department's (Department) long-term strategic plan to provide the CEOC with a Common Operating Picture (COP) and direct real-time link to the DHS NOC, allowing the capacity to provide a consolidated situational view of the Los Angeles County (County), both tactical and operational, and the capacity to share the view with the DHS NOC during an incident.

The Department is the first-responder lead agency for the County. The Department has been seeking to identify and deploy technologies that can be used during critical incidents, such as visual command and control tools to allow the Department to manage massive amounts of information, coordinate supporting agencies, and to provide real-time situational awareness. The DHS NOC, together with other Federal agencies, deploys such a visual command and control tool that is well proven during emergency and combat operations.

The work is divided into phases. Phases I and II have been completed pursuant to the Terms and Conditions outlined in the Agreement, except that the parties have determined to postpone the County's acceptance of Phases I and II until M.C. Dean completes Phases III and IV as provided under the proposed Amendment.

In Phase III of this project, M.C. Dean will conduct a site survey and operational analysis of the CEOC, Departmental Operation Center (DOC) and specifically, the Joint Regional Intelligence Center (JRIC) for the purpose of upgrading the incident management information capabilities of the CEOC, DOC, and JRIC. Results of Phase III will be used to determine the County's operational needs, functional requirements, and solution concepts for enhanced incident management and connectivity (information sharing) for work to be completed during Phase IV.

In Phase IV of this project, M.C. Dean will implement the physical infrastructure upgrades to the JRIC, provide the Information Awareness and Sharing Tool Suite, and continue the technical integration concept development between the CEOC, DOC, JRIC, and other intra-regional, inter-regional, and Federal potential partners with the County Incident Management Team.

M.C. Dean is the original and current contractor of the DHS NOC COP. The data models, interface design, and communication protocols have already been developed

and installed by M.C. Dean at numerous Federal, State, and local agencies (stakeholders) around the nation. This consistent model and structure are the critical link to providing all stakeholders with the COP that facilitates seamless connectivity.

In summary, the intent of the proposed Amendment is to provide an assessment of the additional functionalities available to the County, extend those functionalities to JRIC in tandem with the CEOC and DOC, determine which NOC options will best suit our needs at this time, and implement those options in a prioritized manner within the fixed-price framework of the current grant.

Implementation of Strategic Plan Goals

This project supports the County's Strategic Plan Goal 1, Operational Effectiveness; and Goal 5, Public Safety. With the work to be performed under the proposed Amendment, the Department will be better equipped to complete its core mission more effectively and efficiently to benefit the safety and security of the residents of the County. The Department, as the leading agency among emergency first responders in the County, continuously seeks out viable interoperability solutions, and as such, is recognized nationwide as a leader in law enforcement technology.

This project also supports Federal goals, among which include Presidential Directive 5, in support of interoperable communications for the National Incident Management System.

FISCAL IMPACT/FINANCING

The Amendment is 100 percent subvented by grants from the DHS Federal Emergency Management Agency, through the California Emergency Management Agency. The grants include funding from the city of Los Angeles' 2007 Urban Area Security Initiative, accepted by your Board on November 12, 2008, and the Department's 2008 State Homeland Security Grant Program, accepted by your Board on June 30, 2009.

The total fixed-price cost under the proposed Amendment is $1,285,000. The Amendment increases the maximum contract sum under the Agreement to $3,985,000.

The allocation for this project is included in the Department's Fiscal Year 2010-11 operating budget. The Department will continue to allocate the necessary funds throughout the duration of the Agreement.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

A sole-source Agreement was originally entered into by and between the County and M.C. Dean effective December 2, 2008. The Agreement, as originally approved by the Board, provided for the implementation of Phases I and II of the CEOC's NOC connectivity project.

Also, that same date, the Board was advised that the Agreement was not intended to provide the Department with all of the features currently in operation at the DHS NOC; rather, the County would, as part of Phases I and II, receive a fully operational subset of those features as there was not sufficient grant funding available for such a program at the time. Phases I and II have been successfully implemented.

Concurrent with this Amendment, M.C. Dean and the County have mutually agreed to postpone the acceptance process as defined in the Agreement, in order to allow for the implementation of Phases III and IV. The acceptance process language has also been amended so that the County and M.C. Dean may mutually agree, as determined in the best interest of the County, to postpone that specific task labeled "Final System Acceptance" to allow for future Phases of work. As additional grant funding is made available in future years, the Department will seek your Board's approval to further amend the Agreement into future Phases for expanded functionality.

The proposed Amendment is concurrent with the Department's receipt of additional grant funding for this project. Phases III and IV will provide the CEOC, DOC, and JRIC with additional partial functionality to the existing system, but does not yet approach full functionality.

As required by the Agreement, M.C. Dean will provide the County with a performance bond in an amount equal to the total fixed-price cost for all work under the proposed Amendment.

The Amendment updates all Board-required, and legally-required contract provisions adopted since original approval of the Agreement, and has been reviewed and approved as to form by County Counsel. The Chief Information Officer has reviewed the project and continues to work closely with the Department in meeting its automation objectives (CIO Analysis attached).

IMPACT ON CURRENT SERVICES (OR PROJECTS)

There will be no negative impact on current Department operations and services.

CONCLUSION

Upon approval by your Board, please return two adopted copies of this action to the Department's Contracts Unit.

Sincerely,

LEROY D. BACA
SHERIFF

Reviewed by:

RICHARD SANCHEZ
CHIEF INFORMATION OFFICER

COUNTY OF LOS ANGELES SHERIFF'S DEPARTMENT

AMENDMENT NUMBER ONE TO AGREEMENT NUMBER 76852
WITH M.C. DEAN, INC. FOR
NATIONAL OPERATIONS CENTER CONNECTIVITY PROJECT

This Amendment Number 1 ("Amendment") is entered into by and between the County of Los Angeles (hereinafter "County") and M.C. Dean, Inc. (hereinafter "Contractor"), effective upon execution by the County Board of Supervisors, based on the following recitals:

I. WHEREAS, County and Contractor entered into County Agreement Number 76852, dated as of December 2, 2008 (together with all Exhibits, Schedules, and Attachments thereto, hereinafter "Agreement"), for the National Operations Center Connectivity project ; and

II. WHEREAS, Contractor has been installing, configuring, developing interfaces, and providing other services with respect to the System (as defined in the Agreement), in order to support connectivity between the County's current Emergency Operations Center ("CEOC") and the United States Department of Homeland Security ("DHS") National Operations Center ("NOC"), in each case, pursuant to the terms and conditions of the Agreement; and

III. WHEREAS, County is in receipt of additional grant funding, in the amount of one million two hundred eighty five thousand dollars ($1,285,000 USD) to purchase expanded functionality of the System; and

IV. WHEREAS, County and Contractor additionally desire to postpone Final System Acceptance of the System (as defined in the Agreement) in order to add as a precondition thereto implementation of such expanded functionality, for a total cost of one million two hundred eighty five thousand dollars ($1,285,000) USD; and

V. WHEREAS, pursuant to this Amendment, County and Contractor desire to amend the Agreement to add Work associated with implementation of such expanded functionality as Phases III and IV, all as further described in, and pursuant to the terms and conditions of, this Amendment; and

VI. WHEREAS, County and Contractor additionally desire to amend the Agreement (a) to update certain provisions of the Agreement required by County's Board (as defined in the Agreement) and (b) to make other revisions described herein, pursuant to the terms and conditions of this Amendment.

NOW THEREFORE, in consideration of the foregoing recitals, all of which are incorporated as part of the Agreement, and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, County and the Contractor hereby agree as follows:

76852 Supplement No. 1

1. Exhibit B, Statement of Work shall be deleted in its entirety and replaced with the attached Exhibit B, Statement of Work.

2. Attachments B1, B2, and B3 to Exhibit B, Statement of Work shall be deleted in their entirety and replaced with the attached Attachments B1, B2, and B3 to Exhibit B, Statement of Work .

3. Exhibit C, Price and Schedule of Payments shall be deleted in its entirety and replaced with the attached Exhibit C, Price and Schedule of Payments.

4. Exhibit H, Task/Deliverable Summary Review Form shall be deleted in its entirety and replaced with the attached Exhibit H1, Task/Deliverable Summary Review Form.

5. Exhibit H2, Phase Acceptance Certificate, attached hereto, is added to the Agreement.

6. Exhibit L, Defaulted Property Tax Reduction Program, attached hereto, is added to the Agreement.

7. Exhibit M, Contractor's Certification of Compliance with the County's Defaulted Property Tax Reduction Program, attached hereto and executed by Contractor, is added to the Agreement.

8. All references in the Agreement to Exhibit H, Task/Deliverable Summary Review Form shall be amended to reference Exhibit H1, Task/Deliverable Summary Review Form.

9. Paragraph 1.1 (Agreement) of the Agreement shall be deleted in its entirety and replaced as follows:

   1.1 Agreement. This base document along with *Exhibits A through M*, any attachments attached hereto or thereto, and any executed Change Order or Amendment from time to time hereto or thereto collectively constitute and throughout and hereinafter are referred to as the "Agreement." This Agreement shall constitute the complete and exclusive statement of understanding between County and Contractor and supersedes any and all prior or contemporaneous agreements, written or oral, and all communications between the parties relating to the subject matter of this Agreement.

10. Paragraph 1.2 (Interpretation), Subparagraphs 1.2.8 through 1.2.11, shall be deleted in their entirety and replaced with Subparagraphs 1.2.8 though 1.2.11 below, and Subparagraphs 1.2.12 through 1.2.14 are added to the Agreement as follows:

    1.2.8 Exhibit H1 – Task/Deliverable Summary Review Form

    1.2.9 Exhibit H2 – Phase Acceptance Certificate

1.2.10 Exhibit I – Final System Acceptance Certificate

1.2.11 Exhibit J – Safely Surrendered Baby Law

1,2,12 Exhibit K – Jury Service Ordinance

1.2.13 Exhibit L - Defaulted Property Tax Reduction Program

1.2.14 Exhibit M - Contractor's Certification of Compliance with the County's Defaulted Property Tax Reduction Program

11. Section 2.0 (Definitions), Subparagraph 2.37 of the Agreement shall be deleted in it is entirety and amended as follows:

2.37 "Phases" means, collectively, Phase I, Phase II, Phase III, and Phase IV, each being a "Phase." Phases also include any future phases of Work which may be defined pursuant to an Amendment entered into in accordance with Paragraph 6.0 (Change Notices, Change Orders, and Amendments).

12. Section 2.0 (Definitions), Subparagraph 2.39.1 and Subparagraph 2.39.2 are added to the Agreement as follows:

2.39.1 "Phase III" means the third phase of Work to be performed under this Agreement, which includes Tasks 11-15 of the Statement of Work and their associated Subtasks and Deliverables.

2.39.2 "Phase IV" means, if elected by County as described in the Agreement, the fourth phase of Work to be performed under the Agreement, which includes Tasks 16-20 of the Statement of Work and their associated Subtasks and Deliverables.

13. Section 2.0 (Definitions), Paragraphs 2.40 through 2.58 are now renumbered as Paragraphs 2.42 through 2.60, and Paragraphs 2.40 and 2.41 are added to the Agreement as follows:

2.40 "Phase Acceptance" has the meaning set forth in *Paragraph 5.2*.

2.41 "Phase Acceptance Certificate" has the meaning set forth in *Paragraph 5.2*.

14. Paragraph 5.2 (Final System Acceptance) of the Agreement shall be deleted in its entirety and replaced as follows

5.2 Acceptance

5.2.1 Final System Acceptance. Contractor shall achieve "Final System Acceptance" upon successful completion of all of the following: (a) completion and delivery of all Tasks, Subtasks and Deliverables for all Phases, in each

case, in accordance with this Agreement; and (b) County Project Director has provided written approval of Contractor's achievement of Final System Acceptance, as evidenced by County Project Director's countersignature on the "Final System Acceptance Certificate" (see *Exhibit I*) (the date of satisfaction of the foregoing, including written approval thereof shall be referred to as the "Final System Acceptance Date"). County Project Director shall provide such written approval within ten (10) days of Contractor indicating to County Project Director that the condition described in clause (a) of this *Subparagraph 5.2.1* has occurred. Except as provided for in *Subparagraphs 5.2.2 and 5.2.3*, County shall not be liable or responsible for payment respecting Final System Acceptance prior to execution of the Final System Acceptance Certificate.

5.2.2 Notwithstanding *Subparagraph 5.2.1*, County and Contractor may mutually agree, as determined in the best interest of the County, to postpone the specific Task(s) labeled "Final System Acceptance", thus postponing the formality of County's provision to Contractor of a Final System Acceptance Certificate, in order to provide for additional future Phases of Work as may be necessary, such Phases of which shall be executed via an Amendment executed by the County Board of Supervisors (Section 6.0), to ensure completion of the System. County shall notify Contractor in writing not later than sixty (60) calendar days after Contractor's completion of all Tasks, Subtasks, and Deliverables for all then-current Phases, with the exception of the specific Task(s) labeled "Final System Acceptance", as prescribed in the then-current amended Statement of Work, of County's and Contractor's mutual intent to postpone Final System Acceptance to provide for Contractor's completion and delivery of additional future Phases of Work as a precondition to Final System Acceptance.

5.2.3 Phase Acceptance. Should County and Contractor mutually agree to postpone the specific Task(s) labeled "Final System Acceptance" in accordance with *Subparagraph 5.2.2*, County shall provide Contractor "Phase Acceptance" for the most current Phase(s) prescribed in the then-current amended Statement of Work, subject to Contractor's successful completion of all of the following: (a) completion and delivery of all Tasks, Subtasks and Deliverables for the most current Phase(s) prescribed in the then-current amended Statement of Work, in each case, in accordance with this Agreement; and (b) County Project Director has provided written approval of Contractor's achievement of Phase Acceptance, as evidenced by County Project Director's countersignature on the "Phase Acceptance Certificate" (see *Exhibit H2*) (the date of satisfaction of the foregoing, including written approval thereof shall be referred to as the "Phase Acceptance Date"). County Project Director shall provide such written approval within ten (10) days of Contractor indicating to County Project Director that the condition described in clause (a) of this *Subparagraph 5.2.3* has occurred. Except as provided for in *Subparagraphs 5.2.2 and 5.2.3*, County shall not be liable or

responsible for payment respecting Phase Acceptance prior to execution of the Phase Acceptance Certificate.

15. Paragraph 8.1 (General) of the Agreement shall be deleted in its entirety and replaced as follows:

8.1 General. Subject to Section 5.0 (Work; Approval and Acceptance) and the remainder of this Section 8.0, attached to this Agreement as Exhibit C (Price and Schedule of Payments) is a schedule of all fees applicable to this Agreement, along with a payment schedule for completion of all Work under Phases I-IV, including the System and all other Work, under this Agreement.

16. Paragraph 8.2 (Maximum Contract Sum) of the Agreement shall be deleted in its entirety and replaced as follows:

8.2 Maximum Contract Sum.

The "Maximum Contract Sum" under this Agreement shall be the total monetary amount that would be payable by County to Contractor for supplying all Work under Phases I-IV, including the System and all other Work, under this Agreement for the Term. The Maximum Contract Sum for this Agreement, including applicable Taxes, authorized by County hereunder shall in no event, expressly or by implication, exceed $3,985,000 and shall be allocated among the Phases as set forth in *Exhibit C (Price and Schedule of Payments)*.

Contractor shall perform and complete all Work required of Contractor by this Agreement in exchange for the amounts to be paid to Contractor as set forth in this Agreement but in any event, not in excess of the Maximum Contract Sum. Contractor acknowledges and agrees that the Maximum Contract Sum is an all-inclusive, not-to-exceed price that is an agreed upon assessment of the amount to be paid by County to Contractor in exchange for Contractor delivering to County, and County accepting, within the required delivery schedule, all Work under Phases IV, including the System and all other Work, under this Agreement.

17. Subparagraph 10.2.2, Part (iii) of the Agreement shall be deleted in its entirety and replaced as follows:

(iii) Should County, in its sole discretion, prior to initiation of any Phase, determine not to proceed with such Phase, Contractor shall within thirty days reimburse County for all amounts paid under this *Paragraph 10.2.2* with respect to such Phase.

18. Subparagraph 12.2.4.1 Performance Security Requirements, Bond, of Exhibit A, Additional Terms and Conditions, shall be deleted in its entirety and replaced as follows:

12.2.4 Performance Security Requirements, Bond

12.2.4.1 Contractor shall furnish to County within twenty (20) days after Contractor's execution of this Agreement, or any Amendment thereto, a performance bond in an amount equal to the price for such Amendment as stated in *Exhibit C (Price and Schedule of Payments)*, as amended from time to time, for the Department, and executed by a corporate surety licensed to transact business in the State of California. Such performance bond shall be in the form and substance satisfactory to County's Risk Manager. Such bond shall be maintained by Contractor in full force and effect until released by County's Risk Manager upon County Project Director's written determination that Contractor shall have fully performed all of its obligations under this Agreement. Any modification, extension, or termination of this Agreement shall in no way release Contractor or any of its sureties from any of their obligations under such performance bond. Such bond shall contain a waiver of notice of any Change Notices, Change Orders, and Amendments to this Agreement.

19. Section 59.0, Warranty of Compliance with County's Defaulted Property Tax Reduction Program of Exhibit A, Additional Terms and Conditions, is added to the Agreement as follows:

59.0 WARRANTY OF COMPLIANCE WITH COUNTY'S DEFAULTED PROPERTY TAX REDUCTION PROGRAM

Contractor acknowledges that County has established a goal of ensuring that all individuals and businesses that benefit financially from County through contract are current in paying their property tax obligations (secured and unsecured roll) in order to mitigate the economic burden otherwise imposed upon County and its taxpayers.

Unless Contractor qualifies for an exemption or exclusion, Contractor warrants and certifies that to the best of its knowledge it is now in compliance, and during the term of this Agreement will maintain compliance, with Los Angeles County Code Chapter 2.206 as set forth in Exhibit L (Defaulted Property Tax Reduction Program) of this Agreement. The Contractor's Certification of Compliance with the County's Defaulted Property Tax Reduction Program is attached hereto as Exhibit M.

20. Section 60.0, Termination for Breach of Warranty to Maintain Compliance with County's Defaulted Property Tax Reduction Program of Exhibit A, Additional Terms and Conditions, is added to the Agreement, and shall read as follows:

60.0 TERMINATION FOR BREACH OF WARRANTY TO MAINTAIN COMPLIANCE WITH COUNTY'S DEFAULTED PROPERTY TAX REDUCTION PROGRAM

Failure of Contractor to maintain compliance with the requirements set forth in Paragraph 59.0 (Warranty of Compliance with County's Defaulted Property Tax Reduction Program) shall constitute default under this Agreement. Without limiting the rights and remedies available to County under any other provision of this Agreement, failure of Contractor to cure such default within ten (10) days of notice shall be grounds upon which County may terminate this Agreement and/or pursue debarment of Contractor, pursuant to County Code Chapter 2.206.

Except as expressly provided in this Amendment, all other provisions, terms, and conditions of the Agreement shall remain the same and in full force and effect.

* * * * *

COUNTY OF LOS ANGELES SHERIFF'S DEPARTMENT

AMENDMENT NUMBER ONE TO AGREEMENT NUMBER 76852
WITH M.C. DEAN, INC. FOR
NATIONAL OPERATIONS CENTER CONNECTIVITY PROJECT

Contractor and the person executing this Amendment on behalf of Contractor hereby represent and warrant that the person executing this Amendment for Contractor is an authorized agent who has actual authority to bind Contractor to each and every item, condition, and obligation of the Agreement and that all requirements of Contractor have been fulfilled to provide such actual authority.

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be executed on its behalf by its duly authorized officers.

COUNTY OF LOS ANGELES

By _____
Chair, Board of Supervisors

ATTEST:
SACHI A. HAMAI
Executive Officer
Los Angeles County
Board of Supervisors

By _____
Deputy AUG 31 2010

I hereby certify that pursuant to Section 25103 of the Government Code, delivery of this document has been made.

SACHI A. HAMAI
Executive Officer
Clerk of the Board of Supervisors

By _____
Deputy

76852 Supplement No. 1

M.C. DEAN, INC.

Signed: _____
Printed: JAMES BRABHAM
Title: VP GENERAL MANAGER ISE DIVISION

APPROVED AS TO FORM:
ANDREA SHERIDAN ORDIN
County Counsel

By _____
Amanda M. L. Drukker
Senior Deputy County Counsel

ADOPTED
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

87 AUG 31 2010

SACHI A. HAMAI
EXECUTIVE OFFICER

EXHIBIT B

STATEMENT OF WORK

NOC Connectivity Project

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STATEMENT OF WORK

Overview

This Statement of Work (SOW) is attached as *Exhibit B (Statement of Work)* to the Agreement for National Operations Center Connectivity Project (together with all exhibits and attachments thereto, "Agreement"), between the County of Los Angeles ("County") and M.C. Dean, Inc. ("Contractor" or "MCD") for County's Sheriff's Department ("LASD" or "Department"). Capitalized terms used in this SOW without definition have the meanings given to such terms in the Agreement.

Project Governance

This project will be governed by the Executive Steering Committee for NOC Connectivity ("County Steering Committee"), and directed by LASD in conjunction with the County Office of Emergency Management. All Work activities related to the Project will be managed by the LASD-NOC Project Team which is managed by the County Project Director, who reports to the County Steering Committee.

1.0 PHASES I & II INTRODUCTION

1.1 Goals & Objectives

Section 2.0 of this SOW defines the Tasks, Subtasks and Deliverables required of the Contractor, to improve the operational effectiveness of the County Emergency Operations Center (CEOC) and LASD's Operations Center (DOC) through delivery of an initial operating capability of an enhanced information awareness system having direct connectivity to the Department of Homeland Security (DHS) National Operations Center (NOC).

Goals and objectives for this part of the project include the following:

- *Survey, Assess, and Analyze the operations of the CEOC and the DOC to identify the information awareness and sharing operational needs of the CEOC/DOC;*

- *Link the information awareness and sharing operational needs of the CEOC/DOC to specific solution capabilities focused at delivering enhanced information awareness to the*

CEOC/DOC;

- *Identify requirements, develop designs, and implement solution capabilities in the following areas;*
    - *Video Information System (VIS) infrastructure*
    - *Connectivity (and information sharing) between the CEOC and the DHS NOC*
    - *LASD Information Awareness and Sharing Tool Suite focused at delivering enhanced LASD situation and resource status*
- *Develop a roadmap of activities to mature CEOC/DOC information awareness capabilities from initial to final operating capability.*

1.2 Scope Statement

The scope of this initial part of the project is organized into two Phases. Phase I of this project (Tasks 1 through 5 together with their associated Subtasks and Deliverables) is to conduct a site survey and operational analysis of the CEOC/DOC for the purpose of upgrading the information awareness capabilities of the CEOC/DOC. Results of Phase I will be used to determine the County's operational needs, functional requirements, and solution concepts for enhanced information awareness and connectivity (information sharing) with the DHS NOC. Phase I results will also be used to provide the County with a series of decision options to refine the solution capabilities outlined for Phase II. These decision options shall be supported by the operational needs identified through Phase I and shall be focused on:

- VIS Infrastructure:
    - Refinement of source input/output types,
    - Locations of VIS controls,
    - Minor tradeoffs between VIS capabilities, small furniture renovations, and/or limited infrastructure reconfigurations
- DHS NOC Connectivity
    - Levels of desired DHS NOC Common Operating Picture (COP) access
    - Levels of desired LASD Information Awareness Architecture and Tool Suite web services access granted to DHS NOC
- LASD Information Awareness and Sharing Tool Suite
    - Tradeoffs between LASD Information Awareness capability modules based on feasibility of cost and schedule.

Phase II of this project (Tasks 6 through 10 together with their associated Subtasks and Deliverables) includes the design, procurement (where applicable), installation/development/configuration, testing, and training to deploy the following information awareness solution capabilities to CEOC/DOC:

- *Video Information System (VIS) infrastructure to include:*
  - VIS Inputs (Audio/Video)
  - VIS Outputs (Display surfaces)
  - VIS Switching
  - VIS Processing
  - VIS Control (Touch Panel Controllers)
  - Minor Furniture Renovations
  - Minor architectural/structural/electrical/mechanical upgrades to support the VIS upgrades
- *Connectivity (and information sharing) between the CEOC and the DHS NOC to include:*
  - Assist in obtaining web-based access to the DHS NOC Common Operational Picture (COP)
  - Research to identify possible policy issues that may impact the connectivity between the County and the DHS
  - Facilitate, to the extent possible, policy discussions between County and the DHS NOC to work through issues that may impact the connectivity
  - Assist is the development of an MOU/MOA framework for LASD-DHS NOC execution (Contractor cannot execute agreements)
  - Assist in publishing web services to make CEOC/DOC information available to the DHS NOC COP
- *LASD Information Awareness and Sharing Tool Suite*
  - Tools for operations management, data aggregation, and information visualization
  - Application framework based on modular open source architecture
  - Web accessible via the Internet with expandable visualization capability for viewing on the CEOC/DOC large screen displays

2.0 PHASE I TASKS AND DELIVERABLES

Task 1 –Project Approach

Contractor shall deliver to the County Project Manager, within 10 Business Days of the Effective Date, a draft Project Control Document (PCD), outlining the working format for the project, including the information specified below. An updated PCD shall also be submitted on a bi-weekly basis that communicates project progress, identifies possible issues, and presents strategies for overcoming the identified issues.

Subtasks

Subtask 1.1: Develop a Project Control Document (PCD)

Contractor shall prepare a PCD establishing the working format for the project. The PCD will include the relevant elements of the following:

- **Introduction**: Summarizes the project plan; a review of the shared vision for the project relationship, the strategic goal(s) of the project, and how Contractor will contribute to meet LASD operational objectives;

- **Project Mission & Objectives**: Describes the operational need for proceeding with the project, the objectives to be achieved under the project, and critical success factors for LASD; all based upon Contractor recommendations reviewed and refined by LASD, and any assumptions or limitations related to the project plan;

- **Project Scope**: Describes the overall scope and Deliverables of both Phases of the project. Acts as a confirmation of overall project scope;

- **Work Breakdown Structure (WBS)**: Identifies the overall project implementation and the key Deliverables. It may also go down to the Task level, if appropriate;

- **Project Plan:** Following the WBS, the project plan identifies the activities, key milestones, and estimated duration for activities on the project. It also highlights all agreed activities, deliverables, or milestones for which LASD is responsible that will affect the success of the project. The project plan will be in

the form of a Plan of Action and Milestones (POA&M) schedule. All project activities, deliverables, and milestones, both Contractor's and LASD's, will be linked into a critical path analysis. Contractor and LASD will review updates to the POA&M including the critical path analysis on a bi-weekly basis;

- **Change Control Plan**: Describes the activities and processes for change management during the project (i.e., how a potential project change is requested, impact assessment, response to request, and authorization);

- **Project Team**: Identification of Contractor's project team and project organization, including defining the roles and responsibilities of the project team members, and;

- **Risk Assessment & Management**: Identification of project risks and mechanisms to handle these risks, in a risk management plan.

Contractor shall be required to manage project activities and resources, and track project status. This shall include managing and tracking all issues.

Subtask 1.2: Project Management and Status Reporting

Contractor shall participate in monthly County Steering Committee meetings, via Video Teleconference (VTC) or Phone Conference, to include a review of project accomplishments, any delayed Tasks/ Deliverables, issues and risks.

Contractor shall report bi-weekly on project status and provide bi-weekly updates on schedule, variances, milestones, etc. Contractor shall track project progress, identify possible issues, and present strategies for overcoming the identified issues. Contractor shall utilize management tools such as an integrated master schedule in the execution of this task and shall perform the following actions, as required:

- Participate in monthly meetings via VTC (or Phone Conference)
- Develop bi-weekly meeting agendas and status reports
- Publish meeting minutes action items (bi-weekly)

Task 1 Deliverables

Deliverable 1.1: PCD

The Deliverable product for this Task shall consist of the following (Reference Attachment B3 for PCD outline):

- PCD – Draft Submission
- PCD – Final Submission

Deliverable 1.2: Project Management and Status Reporting

The Deliverable products for this Task shall consist of the following: (Reference Attachment B3 for Project Status Report outline)

- Participate in monthly meetings via VTC (or Phone Conference)
- Develop bi-weekly meeting agendas and status reports
- Publish meeting minutes action items (bi-weekly)

Task 1 Schedule

Deliverable 1.1: PCD

The draft PCD shall be submitted within 10 Business Days of the Effective Date. The final PCD shall be submitted within 10 working days upon receipt of County comments to the draft PCD. County comments shall be provided within 5 Business Days of receipt of the draft PCD.

Deliverable 1.2: Project Management and Status Reporting

- VTC (or Phone Conference) Meetings – Monthly (as identified in the project POA&M
- Project Team Meetings – Bi-Weekly (as identified in the project POA&M)
- Publish meeting minutes bi-weekly

Task 2 – CEOC/DOC Operational Assessment

The Contractor shall conduct an operational analysis of the CEOC/DOC from within the CEOC/DOC. From this analysis, the Contractor shall develop CEOC/DOC operational needs and functional requirements in information awareness and sharing and identify capability solutions that will improve situational awareness in the CEOC/DOC through the

delivery of improved VIS infrastructure and functionality, connectivity between the County and the DHS NOC to deliver the DHS Common Operating Picture to the CEOC/DOC, LASD Information Awareness and Sharing Tool Suite, and connectivity between the County and the DHS NOC to deliver the enhanced LASD information awareness and sharing to the DHS NOC.

Subtasks

Subtask 2.1: CEOC/DOC Site Survey Report

The Contractor shall conduct a site survey of the CEOC/DOC, and document the following existing conditions to establish an accurate basis for technical/operational systems implementation:

The site survey shall include verification or measure of site physical dimensions, layout, and floor plan including the project area and relevant adjacencies with emphasis on facility security and access.

The Contractor shall survey the existing CEOC/DOC HVAC system and its capacity to support the capability solutions delivered through Phase II of this project. The Contractor shall survey the existing CEOC/DOC electrical system and its capacity to support the capability solutions delivered through Phase II of this project. The Contractor shall survey the existing lighting system within the CEO/DOC to determine any possible requirements for modification to support the capability solutions delivered through Phase II of this project. The Contractor shall survey the existing fire protection system to determine any possible requirements for modification to support the capability solutions delivered through Phase II of this project.

The Contractor shall survey the existing CEOC/DOC information technology network infrastructure to identify potential impact points that may affect the timely and successful implementation of the project, including, but not limited to, any issues associated with desktop devices (e.g., workstations, laptops, etc.), system server hardware storage and security, existing LAN/WAN networks, and communications capacity and type (fiber optics, cable, satellite, and cellular/land-based telephone systems).

The Contractor shall document the existing CEOC/DOC information awareness and sharing software and subsystems, data source availability, and visualization capabilities to identify potential impact points that may affect the timely and successful implementation of the

project, including, but not limited to, any issues requiring operating system software upgrades, purchases of additional licenses, and Interface requirements for the CEOC/DOC current information subsystems.

Subtask 2.2: CEOC/DOC Operational Capabilities Document

The Contractor shall develop an Operational Capabilities Document (OCD) to identify the information awareness and sharing operational needs for the CEOC/DOC and/or through user defined explicit threshold requirements. The OCD shall map the operational needs to capability solutions delivered through Phase II of this project. Specifically, the OCD shall:

- Identify the LASD CEOC/DOC mission derived through key guidance documentation and doctrine
- Identify the information awareness and sharing operational needs and functional requirements of the CEOC/DOC
- Map the CEOC/DOC capability solutions to the operational needs and functional requirements they support
- Define the capability solutions provided through Phase II of this project
- Forecast the improvements on the CEOC/DOC information awareness and sharing mission effectiveness delivered through Phase II of this project.

Task 2 Deliverables

Deliverable 2.1: Site Survey Report

The Deliverable products for this Task include (Reference Attachment B3 for Site Survey Report outline):

- CEOC/DOC Site Survey Report – Draft Submission
- CEOC/DOC Site Survey Report – Final Submission

Deliverable 2.2: Operational Capabilities Document

The Deliverable products for this Task include (Reference Attachment B3 for OCD outline):

- CEOC/DOC Operational Capabilities Document – Draft Submission
- CEOC/DOC Operational Capabilities Document – Final Submission

Task 2 Schedule

The draft/final Site Survey Report and OCD shall be submitted in accordance with the project POA&M developed in Task 1.

Task 3 – CEOC/DOC Information Awareness and Sharing Concept Architectures

Subtasks

Subtask 3.1: VIS Infrastructure Concept Architecture – Design Intent Document

The Contractor shall develop a design intent document to highlight the translation of operational needs identified in Task 2 into an integrated operating environment solution for VIS capability. The Design Intent Documentation will not include reconstruction of the existing CEOC/DOC infrastructure; rather, the design intent document will address a VIS concept of operations, minor furniture renovations, and minor reconfigurations of existing mechanical, electrical, lighting, and fire protection infrastructure and systems to create an enhanced VIS infrastructure and capability for the CEOC/DOC. The Design Intent Document shall be represented by schematic drawings and narrative subsystem intents that includes, but is not limited to, the following:

- Layout Plan
- Furniture Plan
- Equipment Plan
- VIS (Audio/Video/Control) Plan and Intent
- Reflected Ceiling Plan
- Architectural Plan
- Mechanical Intent
- Electrical Intent
- Fire Protection Intent

Subtask 3.2: DHS NOC Connectivity Concept Architecture – Design Intent Document

The Contractor shall develop a design intent document to highlight the system architecture and high level system requirements for connectivity between the DHS NOC and the CEOC/DOC. The Design Intent Documentation will focus on delivery of the DHS NOC COP Desk View and Executive View through access to the DHS Homeland Security Information Network (HSIN) as well as identifying the

concepts for CEOC/DOC Information Awareness and Sharing web services to make LASD information available to the DHS NOC COP.

Subtask 3.3: LASD Information Awareness and Sharing Tool Concept Architecture – Design Intent Document

The Contractor shall develop a design intent document to highlight the system architecture and high level system requirements for an LASD Information Awareness and Sharing Tool. The Design Intent Document will also identify the high level requirements for the system modules based on the results of the operational analysis in Task 2. Specifically, the design intent document will outline the following modules:

- Request for Information (RFI)
- Key Decisions/Actions
- Alerts
- Collaboration
- Resource Status
- Situation Status

Task 3 Deliverables

The Deliverable products for this Task shall consist of the following (Reference Attachment B3 for DID outline):

- Design Intent Document – Draft
- Design Intent Document – Final

Task 3 Schedule

The draft/final DID shall be submitted in accordance with the project POA&M developed in Task 1.

Task 4 – Presentation of Options

The purpose of this Task is to identify options for refinements of each of the Phase II capability solutions based on the concept architectures developed in Task 3, and to provide decision support to County for option selection.

Subtasks

Subtask 4.1: Decision Support Document

The Contractor shall develop a Decision Support Document (DSD) to outline the feasible options for each of the Phase II capability solutions to specifically include:

- VIS Infrastructure:
  - Refinement of source input/output types,
  - Locations of VIS controls,
  - Minor tradeoffs between VIS capabilities, small furniture renovations, and/or limited infrastructure reconfigurations
- DHS NOC Connectivity
  - Levels of desired DHS NOC COP access
  - Levels of desired LASD Information Awareness Architecture and Tool Suite web services access granted to DHS NOC
- LASD Information Awareness and Sharing Tool Suite
  - Tradeoffs between LASD Information Awareness capability modules based on feasibility of cost and schedule

Contractor shall provide County with decision support for each options to include, at a minimum, a high level traceability of each option to the operational needs identified in Task 2 and in County's Minimum Functional Requirements (Attachment B1), a subjective benefit rating of each option as identified for the System through the operational analysis in Task 2 or as agreed upon with County, and a high level cost estimate for each option (where applicable). This review shall include, at a minimum, a high level cost-benefit analysis of the different options under consideration.

Task 4 Deliverables

Deliverable 4.1 – Decision Support Document

The Deliverable products for this Task shall consist of the following (Reference Attachment B3 for Decision Support Document outline):

- Decision Support Document – Draft
- Decision Support Document – Final

Task 4 Schedule

Deliverable 4.1: Decision Support Document

The draft/final VIS Decision Support Document shall be submitted in accordance with the project POA&M developed in Task 1.

Task 5 – Requirements Documentation

The Contractor shall develop a detailed requirements matrix based on the County's Minimum Functional Requirements for the System identified in Attachment B1, requirements identified through the operational analysis in Task 2, and derived system requirements. The requirements matrix shall be in the form of a Requirements Traceability Matrix (RTM) and shall include the following requirements details:

- Requirement identifier
- Requirement category
- Requirement
- Requirement source
- Requirement date

Subtasks

Subtask 5.1: Requirements Traceability Matrix

The Contractor shall develop a detailed system requirements matrix across each of the capability solutions delivered through Phase II of this project scope based on County's Minimum Functional Requirements for the System in Attachment B1, and on the operational analysis developed in Task 2, the DID in developed in Task 3, and the options refinement developed in Task 4. The system requirements matrix shall be in the form of a Requirements Traceability Matrix (RTM) and shall include, at a minimum, the following requirements details:

- Requirement identifier
- Requirement category
- Requirement
- Requirement source
- Requirement date

Task 5 Deliverables

Deliverable 5.1 – RTM

The Deliverable products for this Task shall consist of the following (Reference Attachment B3 for RTM outline):

- RTM – Draft
- RTM – Final

Task 5 Schedule

The draft/final VIS RTM shall be submitted in accordance with the project POA&M developed in Task 1.

3.0 PHASE II TASKS AND DELIVERABLES

Prior to commencement of this Phase II, Contractor shall confirm with County's Project Director, County's decision to proceed with Phase II.

Task 6 – CEOC/DOC VIS Infrastructure Upgrades

The Contractor shall engineer, design, procure, install, configure, test, and train an upgraded VIS for the CEOC/DOC based on the operational needs identified in Task 2, the Design Intent Document developed in Task 3, the options selected in Task 4, and the requirements traceability matrix developed in Task 5. Specifically the VIS upgrade shall include:

- VIS Inputs (Audio and Video):
  - Inputs from 6 Video Display Servers
  - Inputs from 6 existing CEOC PCs
  - Inputs from 4 existing DOC PCs
  - Inputs from 4 CATV Tuners
  - Inputs from existing LASD VTC System
  - Inputs from 2 existing DVD/VHS
  - Other Inputs as identified in Phase I
- VIS Outputs (Display surfaces)
  - Outputs to a 2x6 Video Display
  - Outputs to multiple LCD Displays throughout the CEOC, DOC, and the Executive Conference Room
  - Outputs to multiple, zoned ceiling mounted speakers (including amplification) throughout the CEOC and the DOC
  - Master Time-Zone Clock Display (3 Time Zones) in the

CEOC
    - Master Time-Zone Clock Display (3 Time Zones) in the DOC
- VIS Switching
    - 32 Source Video and Audio Matrix Switch
    - Any input source to any output source switching capability
- VIS Processing
    - VIS Processor providing scalable windows on display wall and video/audio push to other display surfaces
    - Quad Processors on LCDs in DOC and Executive Conference Room to replicate the "12" display video wall
- VIS Control (Touch Panel Controllers)
    - 4 Touch Panel Controllers in the CEOC
    - 1 Touch Panel Controller in the DOC
    - 1 Touch Panel Controller in the Executive Conference Room

Recognizing the significantly short execution schedule, it will be necessary for LASD and the Contractor to work closely and concurrently on a number of interdependent project activities in the critical path.

The facility and building infrastructure modifications will be necessary to provide the site conditions readiness for the installation of the new technologies.

Scope of anticipated changes include:

- Minor Furniture Renovations
    - Demo and removal of existing DOC operator furniture consoles
    - Engineer, furnish, and install twelve (12) 24x7 furniture consoles into the DOC to accommodate a higher staff density and equipment needs
    - Engineer, furnish, and install office support furniture into the DOC
- Minor architectural/electrical/mechanical upgrades to support the VIS upgrades
    - Demo and removal of existing VIS equipment
    - Restoration of finishes (to best match existing)
    - Minor architectural and cosmetic upgrades (to best match existing)
    - Minor reconfiguration of existing electrical outlets (as required to support new equipment and furnishings)

- Minor reconfiguration of existing mechanical infrastructure (as required)
- Minor reconfiguration of existing lighting (as required to best support new equipment and furnishings)
- Minor reconfiguration of existing fire protection systems (as required to support the architectural changes, new equipment and furnishings)

Specific modifications tasking will address the following:

- Decommissioning of the existing Video Display Systems
- Demolition and removal of the Custom Architectural Features and the related support infrastructures such as:
  - drywall, architecture and finishes
  - ceiling grid and ceiling
  - light fixtures, lighting controls and zones
  - electrical outlet locations and tie-ins to equipments
  - floor finish, surface and penetrations
  - mechanical ducting/ conveyances, vents, zone controlling & rebalancing
  - sprinkler heads and pipe
  - smoke detection devices
- Reinstallation of new features to support new system installation and configuration
- Permitting, approvals, inspections
- Documentation of modifications for configuration records
- DOC desktop computing and related electronics
- Demolition and removal of furnishings and equipments
  - removal of computers, equipments and furnishings
  - inspection, testing and safe storage of equipments required for re-use
  - establishment and set-up of alternate/ continuity space if required to support ongoing operations during the project (operational continuity)
  - demolition and removal of workstations, work surfaces and support related fixtures
  - modifications as deemed necessary to:
    - drywall, architecture and finishes
    - ceiling grid and ceiling
    - light fixtures, lighting controls and zones
    - electrical outlet locations and tie-ins to equipments
    - floor finish, surface and penetrations
    - mechanical ducting/ conveyances, vents and system zone controlling & rebalancing

  - sprinkler heads and pipe
  - smoke detection devices
  - wall reinforcements, blocking
  - trim and moldings and finishes
  - structural elements
- reinstallation of furnishings, fixtures, equipments and support infrastructure
- reinstallation, cutover and testing of the equipments and infrastructures as required

Notes:

- MCD will be tasked with the responsibility of plans development.
- LASD will work together with MCD in the development of these plans for prompt review and approvals
- LASD will work closely to review, approve and accept the design plans and be responsible for executing the intent in the approved plan
- MCD will not be responsible for execution specific modifications to the plans, the facility or for uncovered/ unknown conditions. These responsibilities will be LASD's
- LASD will execute the facility and infrastructure demolition and new work in accordance with the plans and in accordance with specific critical path dates.
- MCD will provide a Tenant-Representative on site during the infrastructure modifications, to ensure that the LASD performed work is in accordance with the intent and plans.
- MCD will not be responsible for the installation work to be performed by the LASD.
- MCD will not be responsible for rework or modifications to the approved design plans.
- MCD will not be responsible for the punch-out and completion of the site installation work other than those specific system and equipments provided under the MCD contract.

In the event that LASD is unable to execute the facility related work in accordance with the MCD schedule requirements, LASD will provide an appropriate staging area for pre-installation test and checkout (PITCO) and System Operational Verification Testing (SOVT):

- LASD recognizes that the infrastructure readiness is a dependency that is required to be completed to achieve the 30-June completion date. LASD also recognizes that MCD can provide plans and schedule to accomplish this work; however,

MCD cannot control the execution of the work and any technical, logistics, financial or other activities which might impact these dates and which may impact the project completion,

- LASD will identify and make available in accordance with MCD provided scheduling needs, an alternate space suitable for the installation, testing and acceptance of the System should the intended space not be available in time. Contractor will install and LASD will accept delivery of the system installation in that alternate space in this event. LASD will work in good faith to accept the delivery in the alternate space, forgoing any proximity/ location specific needs. LASD will furnish and provide at its own expense and in accordance with the alternate project schedule, the necessary network, power, cooling, space, security and related equipments needed to complete the installation and testing in the alternate site.
- LASD will relocate the equipment to its permanent intended space and provide any final modifications and punch-list items in accordance with that final move.
- Contractor will warrant the design, equipment and functionality; but will not be responsible for the final installation conditions, errors or omissions in the facility design plans should the primary site not be available and readied in accordance with the schedule.

Subtasks

Subtask 6.1: VIS Infrastructure Design

The Contractor shall develop an Installation Design Plan (IDP) to deliver the VIS Infrastructure requirements identified in the RTM. The IDP shall consist of design drawings, system configuration details, list of materials, and product submittals.

Subtask 6.2: VIS Infrastructure Procurements

The Contractor shall procure, transport, verify arrival and condition, report status and secure on-site (provided by County as required) for the purposes of installation all equipment and materials as specified in the IDP. Deviations, delays and damage will be reported to County. Contractor shall provide submittals on all major procurements and shall not proceed on procurements until County has approved the procurements.

Subtask 6.3: VIS Infrastructure Installation

The Contractor shall conduct pre-installation test and checkout (PITCO) on the VIS systems at the Contractor's test facility. The Contractor shall provide engineering and technical services as required to stage, wire, connect, and bench test equipment at the predetermined PITCO site to simulate the configuration and operation of the equipment prior to installation. Upon completion of the pre-installation testing, the equipment set-up shall be disassembled as required, properly packaged for transport, and shipped to the installation site. The equipment shall be properly marked to aid with the final installation.
The Contractor shall complete the on-site installation of the equipment that has been procured and has been through the PITCO approval process. The Contractor shall install new VIS components (hardware and software) as identified in the IDP. The Contractor shall program all equipment configured for operation in accordance with the IDP. The Contractor shall provide the touch panel configuration executable files in draft format to the government for review and approval. The Contractor shall provide the touch panel configuration executable files in final format to the government.

The Contractor shall conduct System Operational Verification Testing (SOVT) on the installed VIS components to validate delivery of project requirements set forth in the RTM.

The Contractor shall conduct training on the installed VIS upgrades to include a half day course offered twice to CEOC/DOC operators, administrators, and leadership.

Task 6 Deliverables

Deliverable 6.1: IDP

The Deliverable products for this Task include (Reference Attachment B3 for IDP outline):

- IDP – Draft Submission
- IDP – Final Submission

Deliverable 6.2: VIS Procurement

The Deliverable products for this Task include (Reference Attachment B3 for product submittals and proof-of-delivery outline):

- Product Submittals
- Proof of Delivery of Equipment

Deliverable 6.3: VIS Installation

The Deliverable products for this Task include (Reference Attachment B3 for Conditions of Acceptance Report outline):

- Successful completion of SOVT
- Delivered training (2 sessions)
- Conditions of Acceptance Report

Task 6 Schedule

The Task 6 Deliverables shall be submitted and approved in accordance with the project POA&M developed in Task 1.

Task 7 – DHS NOC Connectivity

The Contractor shall provide technical, administrative, policy, and legal facilitation and integration of connectivity between the DHS NOC and the LASD CEOC/DOC. Specifically the DHS NOC Connectivity shall include:

- DHS NOC COP Desk View: The contractor shall assist the County in requesting access to the DHS Homeland Security Information Network (HSIN) and the DHS NOC COP for required DOC and CEOC personnel.

- DHS NOC COP Executive View: The Contractor shall facilitate, to the extent possible, discussions between the County and DHS Operations to acquire access to the DHS NOC COP Executive View. This shall include assistance in development of memorandum of understanding/agreement (MOU/MOA) between DHS NOC and LASD. The agreements will need to be made between DHS and LASD (Contractor cannot guarantee agreements). If appropriate agreements are reached and LASD acquires the appropriate permissions and accounts from DHS, the Contractor will configure the Executive View for display on the County's video display systems.

- LASD Information Awareness and Sharing Tool Web Services: Contractor shall develop web services to make the information collected in the modules of the LASD Information Awareness and

Sharing Tool (Task 8) available for future expansion with internal and external software systems. The Contractor will use secure, open standards for web service publication. The scope of the web service publishing effort is restricted to publication of the data in the LASD Information Awareness and Sharing Tool delivered in Task 8.

Subtasks

Subtask 7.1: DHS NOC Connectivity Configuration

The Contractor shall provide facilitation between DHS NOC and LASD to achieve the required understandings and agreements to obtain the required DHS NOC COP Executive View account and permissions. The Contractor shall leverage existing contacts within the DHS NOC to initiate discussions and shall support the development of agreements between DHS and LASD for information access. These agreements need to be reached between DHS and LASD.

If appropriate agreements are reached between DHS and LASD and LASD acquires the appropriate permissions and accounts from DHS, the Contractor will support the establishment of HSIN accounts for DHS NOC COP Desk View access for identified CEOC/DOC operators, the Contractor shall configure the DHS NOC COP Executive View for display in the CEOC/DOC, and shall assist CEOC/DOC operators in publishing web services to make LASD information available to the DHS NOC COP.

The Contractor shall conduct System Operational Verification Testing (SOVT) on the configured DHS NOC COP views and LASD information web services to validate delivery of project requirements set forth in the RTM.

The Contractor shall conduct training on the configured DHS NOC COP views and LASD information web services to include a half day course offered twice to CEOC/DOC operators, administrators, and leadership.

Task 7 Deliverables

Deliverable 7.1: DHS NOC Connectivity Configuration

The Deliverable products for this Task include (Reference Attachment B3 for Conditions of Acceptance Report outline):

- Successful completion of SOVT
- Delivered training (2 sessions)
- Conditions of Acceptance Report

Task 7 Schedule

The Task 7 Deliverables shall be submitted in accordance with the project POA&M developed in Task 1.

Task 8 – LASD Information Awareness and Sharing Tool

The Contractor shall develop, install, and configure an information awareness and sharing tool for LASD CEOC/DOC. The tool shall provide application modules for CEOC/DOC operations management, data aggregation, and information visualization to enhance LASD information awareness and sharing operational effectiveness. The application framework will be based on a modular, open source architecture that provides flexibility for systems integration and expansion. The tool will be web accessible via an internet browser but also provide expandable visualization capability for viewing on the CEOC/DOC VIS. The tool server will be procured and installed by the Contractor on LASD's existing IT infrastructure and the upgraded VIS infrastructure provided by the Contractor through Phase II of this project.

In addition to the application framework, the Contractor will develop and integrate the following custom software modules:

- Request for Information (RFI) Management Module - The module shall allow LASD staff to create, send and track RFI's to relevant parties.
- Key Decisions / Actions - The module shall allow LASD staff to predefine key decisions needed for incident response. The module will also provide a checklist and history of actions taken during an incident.
- Alerts - The module shall display a list and history of alerts that can be generated by both system operators and external sources. The module will provide a web based open framework for ingesting alerts from external sources.
- Collaboration - The module provide text chat, email and document sharing tools for collaboration among users of the information management tool.
- Resource Status - The module shall provide a capability to input and visualize location and availability of LASD resources in a list and on a GIS map. The module will provide an open framework for

ingesting resource availability data from external sources.

- Situation Status - The module will allow operators to define situations and to organize information and document actions in response. The module will allow operators to pre-define situation status metrics for reporting and visualization during a defined situation.

Subtasks

Subtask 8.1: LASD Information Awareness and Sharing Tool Design

The Contractor shall develop a high-level Design Description Document for the LASD Information Awareness and Sharing Tool to deliver the requirements identified in the RTM.

Subtask 8.2: LASD Information Awareness and Sharing Tool Procurements

The Contractor shall procure, transport, verify arrival and condition, report status and secure on-site for the purposes of installation a web server and the necessary network hardware to deploy the LASD Information Awareness and Sharing Tool. Deviations, delays and damage will be reported to County. Contractor shall provide submittals on all major procurements and shall not proceed on procurements until County has approved the procurements.

Subtask 8.3: LASD Information Awareness and Sharing Tool Development/Installation

The Contractor shall develop the information awareness and sharing framework and associated modules as defined in the High Level Design Description Document. The Contractor shall install and configure the information awareness and sharing server on the LASD network. The system will also be configured to run on the VIS within the CEOC/DOC.

The Contractor shall conduct SOVT testing on the delivered LASD Information Awareness and Sharing Tool to validate delivery of project requirements set forth in the RTM.

The Contractor shall conduct training on the modules of the information awareness and sharing tool to include a half day course offered twice to CEOC/DOC operators, administrators, and leadership.

Task 8 Deliverables

Deliverable 8.1: Design Description Document

The Deliverable products for this Task include (Reference Attachment B3 for Design Description Document outline):

- Design Description Document – Draft Submission
- Design Description Document – Final Submission

Deliverable 8.2: Procurement

The Deliverable products for this Task include (Reference Attachment B3 for Product Submittals and Proof-of-Delivery outline):

- Product Submittals
- Proof of Delivery of Equipment

Deliverable 8.3: Development/Installation

The Deliverable products for this Task include:

- Successful completion of SOVT
- Delivered training (2 sessions)
- Conditions of Acceptance Report

Task 8 Schedule

The Task 8 Deliverables shall be submitted in accordance with the project POA&M developed in Task 1.

Task 9 – Phase Acceptance, Phases I and II

Phases I and II, as installed and configured, may be accepted by County subject to *Paragraph 5.2* of the base Agreement.

Subtask 9.1: Phase Documentation

Contractor shall revise/update all Documentation created or obtained pursuant to this Agreement which contains updated information consistent with the delivered and fully-operational Phases I and II.

Subtask 9.2 Achieve Phase Acceptance

The Contractor shall conduct a final verification on the delivered Phases I

and II to ensure delivery of project requirements set forth in the RTM. Contractor shall achieve Phase Acceptance by reviewing, with County, all Documentation and project results, against pre-defined Acceptance criteria as defined in the PCD. Predefined criteria established in the PCD are iterative and cumulative across the design phases of the project. Contractor shall achieve Phase Acceptance in accordance with the POA&M.

Task 9 Deliverables

Deliverable 9.1: Phase I and II Documentation

The Deliverable products for this Task include (Reference Attachment B3 for Final Documentation outline):

- Final Documentation

Deliverable 9.2: Phase Acceptance, Phases I and II

The Deliverable products for this Task include (Reference Attachment B3 for Phase Acceptance outline):

- Final verification of System against County's Requirements
- Phase Acceptance Certificate

Task 9 Schedule

The Documentation and Phase Acceptance Certificate shall be submitted in accordance with the POA&M developed in Task 1.

Task 10 – LASD Information Awareness and Sharing Roadmap

The Contractor shall deliver to the County, a proposed draft Forecast Roadmap Document (FRD) outlining the working format for future LASD Information Awareness and Sharing phased capability deliveries.

Subtasks

Subtask 10.1: FRD – Future LASD Information Awareness and Sharing Capabilities

The Contractor shall develop a FRD establishing a recommended/proposed phasing of future LASD Information Awareness and Sharing capabilities. The FRD will include the relevant

elements of the following:

- Introduction
- Project Mission and Objectives
- Future Project Capability Phases
- Future Project Scope and Activities (By Phase)
- Feasibility Estimates for Schedule and Budget (By Phase)

Task 10 Deliverables

Deliverable 10.1: FRD

The Deliverable products for this Task shall consist of the following (Reference Attachment B3 for FRD outline):

- FRD – Draft
- FRD – Final

Task 10 Schedule

The FRD shall be submitted in accordance with the POA&M developed in Task 1.

4.0 PHASES III & IV INTRODUCTION

4.1 Goals & Objectives

Section 5.0 of this SOW defines the Tasks, Subtasks and Deliverables required of the Contractor, to improve the operational effectiveness of the LASD-LA County Incident Management Information System Program through delivery of an enhanced operating capability at the LASD Operations Center (DOC) and LA County Emergency Operations Center (CEOC), extended operational capability to the LA Joint Regional Intelligence Center (JRIC), and technical integration support with other Federal and Regional authorities.

Goals and objectives for this part of the project include the following:

- *Survey, Assess, and Analyze the operations and capabilities of the DOC, CEOC, and the JRIC to identify the county wide incident management information operational needs of the CEOC/DOC/JRIC;*

- *Link the incident management information operational needs of the CEOC/DOC/JRIC to specific solution capabilities focused at delivering enhanced information awareness to the CEOC/DOC/JRIC;*

- *Identify requirements, develop designs, and implement solution capabilities in the following areas;*

    - *Operating Environment Physical Infrastructure*
    - LASD Information Awareness and Sharing Tool Suite (Eos) expanded to deliver additional LA County Incident Management operational capabilities
    - Technical Integration concept development (potential operational architectures and requirements) between the CEOC, DOC, JRIC and other Intra-Regional, Inter-Regional, and Federal potential partners in LA County Incident Management

- *Develop a roadmap of activities to mature LA County Incident Management Information capabilities from initial to final operating capability.*

4.2 Scope Statement

The scope of this part of the project is organized into two Phases. Phase III of this project (Tasks 11 through 15 together with their associated Subtasks and Deliverables) is to conduct a site survey and operational analysis of the CEOC/DOC/JRIC for the purpose of upgrading the incident management information capabilities of the CEOC/DOC/JRIC. Results of Phase III will be used to determine the County's operational needs, functional requirements, and solution concepts for enhanced incident management and connectivity (information sharing). Phase III results will also be used to provide the County with a series of decision options to refine the solution capabilities outlined for Phase IV. These decision options shall be supported by the operational needs identified through Phase III and shall be focused on:

- Operating Environment Physical Infrastructure:
  - Visual Information Systems to support increased collaboration and information management at and between the CEOC/DOC/JRIC.
  - Desktop Automated Information Systems as required to support the Visual Information Systems and the expansion/extension of the Eos System.
- LASD Information Awareness and Sharing Tool Suite (Eos)
  - Tradeoffs between Eos enhance/extended capability modules based on feasibility of cost and schedule

Phase IV of this project (Tasks 16 through 20 together with their associated Subtasks and Deliverables) includes the design, procurement (where applicable), installation / development / configuration, testing, and training to deploy the following incident management information solution capabilities to CEOC/DOC/JRIC:

- *Operating Environment Physical infrastructure upgrades to include:*
  - LASD JRIC Space:
    - Provide an Eos Info Tool Instance at JRIC:
- *LASD Information Awareness and Sharing Tool Suite (Eos)*
  - Enhanced Tools for operations management, data aggregation, and information visualization
  - Expanded Tools for simple analysis, alerting, and reporting
- *Technical Integration concept development between the CEOC, DOC, JRIC and other Intra-Regional, Inter-Regional, and Federal*

potential partners in LA County Incident Management

- Support and facilitated the establishment of a County Incident Management Information Operational Working Group
- Assist in development of operational architectures to represent County Incident Management Information awareness and sharing
- Facilitate, to the extent possible, connectivity and information sharing between partners leveraging Eos and the developed concept architecture

5.0 PHASE III TASKS AND DELIVERABLES

Task 11 –Project Approach

Contractor shall deliver to the County Project Manager, within 10 Business Days of the Effective Date of Amendment Number 1, a draft Project Control Document (PCD), outlining the working format for the project, including the information specified below. An updated PCD shall also be submitted on a bi-weekly basis that communicates project progress, identifies possible issues, and presents strategies for overcoming the identified issues.

Subtasks

Subtask 11.1: Develop a Project Control Document (PCD)

Contractor shall prepare a PCD establishing the working format for the project. The PCD will include the relevant elements of the following:

- **Introduction**: Summarizes the project plan; a review of the shared vision for the project relationship, the strategic goal(s) of the project, and how Contractor will contribute to meet LASD operational objectives;

- **Project Mission & Objectives**: Describes the operational need for proceeding with the project, the objectives to be achieved under the project, and critical success factors for LASD; all based upon Contractor recommendations reviewed and refined by LASD, and any assumptions or limitations related to the project plan;

- **Project Scope**: Describes the overall scope and Deliverables of both Phases of the project. Acts as a confirmation of overall project scope;

- **Work Breakdown Structure (WBS)**: Identifies the overall project implementation and the key Deliverables. It may also go down to the Task level, if appropriate;

- **Project Plan:** Following the WBS, the project plan identifies the activities, key milestones, and estimated duration for activities on the project. It also highlights all agreed activities, deliverables, or milestones for which LASD is responsible that will affect the success of the project. The project plan will be in the form of a Plan of Action and Milestones (POA&M) schedule. All project activities, deliverables, and milestones, both Contractor's and LASD's, will be linked into a critical path analysis. Contractor and LASD will review updates to the POA&M including the critical path analysis on a bi-weekly basis;

- **Change Control Plan**: Describes the activities and processes for change management during the project (i.e., how a potential project change is requested, impact assessment, response to request, and authorization);

- **Project Team**: Identification of Contractor's project team and project organization, including defining the roles and responsibilities of the project team members, and;

- **Risk Assessment & Management**: Identification of project risks and mechanisms to handle these risks, in a risk management plan.

Contractor shall be required to manage project activities and resources, and track project status. This shall include managing and tracking all issues.

Subtask 11.2: Project Management and Status Reporting

Contractor shall participate in monthly County Steering Committee meetings, via Video Teleconference (VTC) or Phone Conference, to include a review of project accomplishments, any delayed Tasks/ Deliverables, issues and risks.

Contractor shall report bi-weekly on project status and provide bi-weekly updates on schedule, variances, milestones, etc. Contractor shall track project progress, identify possible issues, and present strategies for overcoming the identified issues. Contractor shall utilize management tools such as an integrated master schedule in the execution of this task and shall perform the following actions, as required:

- Participate in monthly meetings via VTC (or Phone Conference)
- Develop bi-weekly meeting agendas and status reports
- Publish meeting minutes action items (bi-weekly)

Task 11 Deliverables

Deliverable 11.1: PCD

The Deliverable product for this Task shall consist of the following (Reference Attachment B3 for PCD outline):

- PCD – Draft Submission
- PCD – Final Submission

Deliverable 11.2: Project Management and Status Reporting

The Deliverable products for this Task shall consist of the following: (Reference Attachment B3 for Project Status Report outline)

- Participate in monthly meetings via VTC (or Phone Conference)
- Develop bi-weekly meeting agendas and status reports
- Publish meeting minutes action items (bi-weekly)

Task 11 Schedule

Deliverable 11.1: PCD

The draft PCD shall be submitted within 10 Business Days of the Effective Date of Amendment Number 1. The final PCD shall be submitted within 10 working days upon receipt of County comments to the draft PCD. County comments shall be provided within 5 Business Days of receipt of the draft PCD.

Deliverable 11.2: Project Management and Status Reporting

- VTC (or Phone Conference) Meetings – Monthly (as identified in the project POA&M
- Project Team Meetings – Bi-Weekly (as identified in the project POA&M)
- Publish meeting minutes bi-weekly

Task 12 – Operational Assessment

The Contractor shall conduct an operational analysis of the CEOC/DOC/JRIC from within the CEOC/DOC/JRIC. From this analysis, the Contractor shall develop CEOC/DOC/JRIC operational needs and functional requirements in incident management information and identify capability solutions that will improve incident awareness and management across the County through the delivery of improved Operating Environment Physical infrastructure and functionality, enhance LASD Information Awareness and Sharing Tool Suite (Eos), and facilitate technical integration between partners across County Incident Management activities.

Subtasks

Subtask 12.1: CEOC/DOC/JRIC Site Survey Report

The Contractor shall conduct a site survey of the CEOC/DOC/JRIC, and document the following existing conditions to establish an accurate basis for technical/operational systems implementation:

The site survey shall include verification or measure of site physical dimensions, layout, and floor plan including the project area and relevant adjacencies with emphasis on facility security and access.

The Contractor shall survey the existing CEOC/DOC/JRIC information technology network infrastructure to identify potential impact points that may affect the timely and successful implementation of the project, including, but not limited to, any issues associated with desktop devices (e.g., workstations, laptops, etc.), system server hardware storage and security, existing LAN/WAN networks, and communications capacity and type (fiber optics, cable, satellite, and cellular/land-based telephone systems).

The Contractor shall document the existing CEOC/DOC information awareness and sharing software and subsystems, data source availability, and visualization capabilities to identify potential impact

points that may affect the timely and successful implementation of the project, including, but not limited to, any issues requiring operating system software upgrades, purchases of additional licenses, and Interface requirements for the CEOC/DOC/JRIC current information subsystems.

Subtask 12.2: CEOC/DOC Operational Capabilities Document

The Contractor shall develop an Operational Capabilities Document (OCD) to identify the incident management information operational needs for the CEOC/DOC/JRIC and/or through user defined explicit threshold requirements. The OCD shall map the operational needs to capability solutions delivered through Phase IV of this project. Specifically, the OCD shall:

- Identify the LASD-LA County CEOC/DOC/JRIC mission derived through key guidance documentation and doctrine
- Identify the incident management information operational needs and functional requirements of the CEOC/DOC/JRIC
- Map the CEOC/DOC/JRIC capability solutions to the operational needs and functional requirements they support
- Define the capability solutions provided through Phase IV of this project
- Forecast the improvements on the CEOC/DOC/JRIC incident management information mission effectiveness delivered through Phase IV of this project.

Task 12 Deliverables

Deliverable 12.1: Site Survey Report

The Deliverable products for this Task include (Reference Attachment B3 for Site Survey Report outline):

- CEOC/DOC/JRIC Site Survey Report – Draft Submission
- CEOC/DOC/JRIC Site Survey Report – Final Submission

Deliverable 12.2: Operational Capabilities Document

The Deliverable products for this Task include (Reference Attachment B3 for OCD outline):

- CEOC/DOC/JRIC Operational Capabilities Document – Draft Submission

- CEOC/DOC/JRIC Operational Capabilities Document – Final Submission

Task 12 Schedule

The draft/final Site Survey Report and OCD shall be submitted in accordance with the project POA&M developed in Task 11.

Task 13 – Operational Concept Architectures

Subtasks

Subtask 13.1: Operating Environment Physical Infrastructure Concept Architecture – Design Intent Document

The Contractor shall develop a design intent document to highlight the translation of operational needs identified in Task 12 into an integrated operating environment solution for VIS and Desktop AIS capability. The Design Intent Documentation will not include reconstruction of the existing CEOC/DOC/JRIC infrastructure; rather, the design intent document will address a VIS and Desktop AIS concept of operations and systems to create an enhanced incident management capability for the CEOC/DOC/JRIC. The Design Intent Document shall be represented by schematic drawings and narrative subsystem intents that includes, but is not limited to, the following:

- Layout Plan
- Equipment Plan
- VIS (Audio/Video/Control) Plan and Intent
- Reflected Ceiling Plan
- Architectural Plan
- Mechanical Intent
- Electrical Intent
- Fire Protection Intent

Subtask 13.2: LASD Information Awareness and Sharing Tool (Eos) Concept Architecture – Design Intent Document

The Contractor shall develop a design intent document to highlight the system architecture and high level system requirements for enhancements to the LASD Information Awareness and Sharing Tool (EOS). The Design Intent Document will also identify the high level requirements for the system modules based on the results of the operational analysis in Task 12. Specifically, the design intent

document will consider the following capabilities:

- Enhanced Tools for operations management, data aggregation, and information visualization
- Expanded Tools for simple analysis, planning, and reporting
- Extended Tool for JRIC focused use

Task 13 Deliverables

Deliverable 13.1 – Operating Environment Decision Intent Document

The Deliverable products for this Task shall consist of the following: (reference Attachment B3 for DID outline):

- Design Intent Document – Draft
- Design Intent Document – Final

Deliverable 13.2 – Eos Decision Intent Document

The Deliverable products for this Task shall consist of the following (reference Attachment B3 for DID outline):

- Design Intent Document – Draft
  Design Intent Document – Final

Task 13 Schedule

Each draft/final DID shall be submitted in accordance with the project POA&M developed in Task 11.

Task 14 – Presentation of Options

The purpose of this Task is to identify options for refinements of each of the Phase IV capability solutions based on the concept architectures developed in Task 13, and to provide decision support to County for option selection.

Subtasks

Subtask 14.1: Decision Support Document

The Contractor shall develop a Decision Support Document (DSD) to outline the feasible options for each of the Phase IV capability solutions to specifically include:

- Operating Environment Physical Infrastructure
  - Tradeoffs between CEOC/DOC/JRIC physical infrastructure improvements based on feasibility of cost and schedule
- LASD Information Awareness and Sharing Tool Suite (Eos)
  - Tradeoffs between Eos enhance/extended capability modules based on feasibility of cost and schedule

Contractor shall provide County with decision support for each options to include, at a minimum, a high level traceability of each option to the operational needs identified in Task 12 and in County's Minimum Functional Requirements (Attachment B1), a subjective benefit rating of each option as identified for the System through the operational analysis in Task 12 or as agreed upon with County, and a high level cost estimate for each option (where applicable). This review shall include, at a minimum, a high level cost-benefit analysis of the different options under consideration.

Task 14 Deliverables

Deliverable 14.1 – Decision Support Document

The Deliverable products for this Task shall consist of the following (Reference Attachment B3 for Decision Support Document outline):

- Decision Support Document – Draft
- Decision Support Document – Final

Task 14 Schedule

Deliverable 14.1: Decision Support Document

The draft/final Decision Support Document shall be submitted in accordance with the project POA&M developed in Task 11.

Task 15 – Requirements Documentation

The Contractor shall update the detailed requirements matrix developed in Phases I and II of the LASD-LA County Incident Management Information System NOC Connectivity project based on the County's Minimum Functional Requirements for the System identified in Attachment B1, requirements identified through the operational analysis in Task 12, and derived system requirements. The requirements matrix shall be in the form of a Requirements Traceability Matrix (RTM) and shall include the following

requirements details:

- Requirement identifier
- Requirement category
- Requirement
- Requirement source
- Requirement date

Subtasks

Subtask 15.1: Requirements Traceability Matrix

The Contractor shall update the detailed system requirements matrix across each of the capability solutions delivered through Phase II of this project scope based on County's Minimum Functional Requirements for the System in Attachment B1, and on the operational analysis developed in Task 12, the DID in developed in Task 13, and the options refinement developed in Task 14. The system requirements matrix shall be in the form of a Requirements Traceability Matrix (RTM) and shall include, at a minimum, the following requirements details:

- Requirement identifier
- Requirement category
- Requirement
- Requirement source
- Requirement date

Task 15 Deliverables

Deliverable 15.1 – RTM

The Deliverable products for this Task shall consist of the following (Reference Attachment B3 for RTM outline):

- RTM – Draft
- RTM – Final

Task 15 Schedule

The draft/final RTM shall be submitted in accordance with the project POA&M developed in Task 11.

6.0 PHASE IV TASKS AND DELIVERABLES

Prior to commencement of this Phase IV, Contractor shall confirm with County's Project Director, County's decision to proceed with Phase IV.

Task 16 – CEOC/DOC/JRIC Operating Environment Infrastructure Upgrades

The Contractor shall engineer, design, procure, install, configure, test, and train an upgraded VIS, Integrated Systems Furniture, and Desktop AIS for the CEOC/DOC/JRIC based on the operational needs identified in Task 12, the Design Intent Document developed in Task 13, the options selected in Task 14, and the requirements traceability matrix developed in Task 15. Specifically the VIS, ISF, and AIS upgrades shall include:

- LASD JRIC Space:
  - Provide an Eos Info Tool Instance at JRIC:
    - Unclassified Computer
    - 3 Desktop Displays
    - 3 Wall Flat Panel Displays
    - Local Switching
    - Local Control

It is assumed that any facility and building infrastructure modifications to include architectural, electrical, mechanical, structural, plumbing, or life safety changes required to provide the site conditions necessary for the installation of the new technologies provided by the Contractor will be planned and executed by LASD, and supported by the Contractor. It is assumed that any data/voice network (including passive infrastructure) changes required to provide the site conditions necessary for the installation of the new technologies provided by the Contractor will be planned and executed by LASD, and supported by the Contractor. Contractor will provide construction observation and tenant representation in order to verify construction compliance in support of intended VIS installation.

Scope of possible changes to be performed by LASD, supported by the Contractor, includes:

- Minor architectural/electrical/mechanical upgrades to support the VIS upgrades
  - Demo and removal of existing equipment
  - Restoration of finishes (to best match existing)

  - Minor architectural and cosmetic upgrades (to best match existing)
  - Minor reconfiguration of existing electrical outlets (as required to support new equipment and furnishings)
  - Minor reconfiguration of existing mechanical infrastructure (as required)
  - Minor reconfiguration of existing lighting (as required to best support new equipment and furnishings)
  - Minor reconfiguration of existing fire protection systems (as required to support the architectural changes, new equipment and furnishings)
- Minor voice/data network changes to support the addition of or modification of DOC Analysis Space workstations.
- Minor voice/data network changes to support Classified/Unclassified VTC (dedicated ISDN and/or IP provisioning).

Specific modifications may include:

- Decommissioning and storage of existing Systems
- Demolition and removal of the Custom Architectural Features and the related support infrastructures such as:
  - drywall, architecture and finishes
  - ceiling grid and ceiling
  - light fixtures, lighting controls and zones
  - electrical outlet locations and tie-ins to equipments
  - floor finish, surface and penetrations
  - mechanical ducting/ conveyances, vents, zone controlling & rebalancing
  - sprinkler heads and pipe
  - smoke detection devices
- Reinstallation of new features to support new system installation and configuration
- Permitting, approvals, inspections
- Documentation of modifications for configuration records
- DOC desktop computing and related electronics
- Demolition and removal of furnishings and equipments
  - removal of computers, equipments and furnishings
  - inspection, testing and safe storage of equipments required for re-use
  - establishment and set-up of alternate/ continuity space if required to support ongoing operations during the project (operational continuity)
  - demolition and removal of workstations, work surfaces

and support related fixtures
- modifications as deemed necessary to:
  - drywall, architecture and finishes
  - ceiling grid and ceiling
  - light fixtures, lighting controls and zones
  - electrical outlet locations and tie-ins to equipments
  - floor finish, surface and penetrations
  - mechanical ducting/ conveyances, vents and system zone controlling & rebalancing
  - sprinkler heads and pipe
  - smoke detection devices
  - wall reinforcements, blocking
  - trim and moldings and finishes
  - structural elements

- reinstallation of furnishings, fixtures, equipments and support infrastructure
- reinstallation, cutover and testing of the equipments and infrastructures as required
- provisioning of additional voice/data network drops as required to support additional workstations
- provisioning of dedicated ISDN capabilities to support VTC

Notes:

In the event that LASD is unable to execute the facility related work in accordance with the Contractor schedule requirements, LASD will provide an appropriate staging area for pre-installation test and checkout (PITCO) and System Operational Verification Testing (SOVT):

- LASD recognizes that the infrastructure readiness is a dependency that is required to be completed to achieve project completion date.
- LASD will identify and make available in accordance with Contractor provided scheduling needs, an alternate space suitable for the installation, testing and acceptance of the System should the intended space not be available in time. Contractor will install and LASD will accept delivery of the system installation in that alternate space in this event. LASD will work in good faith to accept the delivery in the alternate space, forgoing any proximity/ location specific needs. LASD will furnish and provide at its own expense and in accordance with the alternate project schedule, the necessary network, power, cooling, space, security and related equipments needed to complete the installation and testing in the alternate site.

- LASD will relocate the equipment to its permanent intended space and provide any final modifications and punch-list items in accordance with that final move.
- Contractor will warrant the design, equipment and functionality; but will not be responsible for the final installation conditions, errors or omissions in the facility design plans should the primary site not be available and readied in accordance with the schedule.

Subtasks

Subtask 16.1: Operating Environment Infrastructure Design

The Contractor shall develop an Installation Design Plan (IDP) to deliver the Operating Environment Infrastructure requirements identified in the RTM. The IDP shall consist of design drawings, system configuration details, list of materials, and product submittals.

Subtask 16.2: Operating Environment Infrastructure Procurements

The Contractor shall procure, transport, verify arrival and condition, report status and secure on-site (provided by County as required) for the purposes of installation all equipment and materials as specified in the IDP. Deviations, delays and damage will be reported to County. Contractor shall provide submittals on all major procurements and shall not proceed on procurements until County has approved the procurements.

Subtask 16.3: Operating Environment Infrastructure Installation

The Contractor shall conduct pre-installation test and checkout (PITCO) on the VIS and Desktop AIS systems at the Contractor's test facility. The Contractor shall provide engineering and technical services as required to stage, wire, connect, and bench test equipment at the predetermined PITCO site to simulate the configuration and operation of the equipment prior to installation. Upon completion of the pre-installation testing, the equipment set-up shall be disassembled as required, properly packaged for transport, and shipped to the installation site. The equipment shall be properly marked to aid with the final installation.

The Contractor shall complete the on-site installation of the equipment that has been procured and has been through the PITCO approval

process. The Contractor shall install new VIS and AIS components (hardware and software) as identified in the IDP. The Contractor shall program all equipment configured for operation in accordance with the IDP. The Contractor shall provide the touch panel configuration executable files in draft format to the government for review and approval. The Contractor shall provide the touch panel configuration executable files in final format to the government.

The Contractor shall conduct System Operational Verification Testing (SOVT) on the installed VIS and AIS components to validate delivery of project requirements set forth in the RTM.

The Contractor shall conduct training on the installed VIS upgrades to include a half day course offered twice to CEOC/DOC/JRIC operators, administrators, and leadership.

Task 16 Deliverables

Deliverable 16.1: IDP

The Deliverable products for this Task include (Reference Attachment B3 for IDP outline):

- IDP – Draft Submission
- IDP – Final Submission

Deliverable 16.2: Procurement

The Deliverable products for this Task include (Reference Attachment B3 for product submittals and proof-of-delivery outline:

- Product Submittals
- Proof of Delivery of Equipment

Deliverable 16.3: Installation

The Deliverable products for this Task include (Reference Attachment B3 for Conditions of Acceptance Report contents:

- Successful completion of SOVT
- Delivered training (2 sessions)
- Conditions of Acceptance Report

Task 16 Schedule

The Task 6 Deliverables shall be submitted and approved in accordance with the project POA&M developed in Task 1.

Task 17 – LASD Information Awareness and Sharing Tool (Eos)

The Contractor shall continue to develop, install, and configure an information awareness and sharing tool for LASD CEOC/DOC. This shall include enhanced application modules for CEOC/DOC operations management, data aggregation, and information visualization as well as expanded application modules for simple analysis and reporting in support of CEOC/DOC Incident Management.

The Contractor shall extend the tool to JRIC. This shall include analysis of JRIC workflows and appropriate level tailoring of the application modules for operations management, data aggregation, and information visualization as well as expanded application modules for simple analysis and reporting, required to enhance JRIC capability in information aggregation and assessment.

Specifically the information awareness and sharing tool upgrades shall include:

- Enhanced Tools for operations management, data aggregation, and information visualization
  - GIS Enhancements
    - Local capability – Integration with Local capability of LA County Enterprise GIS migration
    - Interactive editing – Simple editing of GIS maps (lines and shapes)
  - Incident SA Enhancements
    - Incident Data Model and Workflow enhancements – Expand the information structure and storage for incidents supporting incident aggregation, pre-incident planning and incident escalation
- Expanded Tools for simple analysis and reporting
  - Reporting
    - Information Dissemination Framework and Workflow – Framework to support workflow and outputs of information products and alerts
    - Alerts Broadcast – Broadcast alerts and notifications to partners

Areas receiving in-depth operational and technical integration analysis are as follows:

- Enhanced Tools for operations management, data aggregation, and information visualization
    - Tactical Resource Review
        - Enhanced LARCOP Review – Review of resource information sharing from LARCOP to LASD Info Tool for future integration
        - Resource Status In-Service Capability Review – Review of white board for tracking availability of resources within the Department for future development
- Expanded Tools for simple analysis and reporting
    - Analytics
        - Analytic Tool Review – Review of analytical tools (provided by others) and assessment of future integration into the overall Eos capability
- Review of Extended Tool for JRIC tailored use
    - JRIC SAW Tools – Analysis of JRIC workflows and review of possible tailoring of application modules in information aggregation, simple analysis, and reporting to JRIC instance for future development
    - Review of integration of JRIC workflow with LASD DOC Watch work flow specifically including:
        - Review of LASD DOC Watch event/incident initiation of information feed (media, alert, tactical) to JRIC for future integration
        - Review of JRIC additional enrichment of feeds and return to LASD DOC Watch incident picture for future integration.

The application framework will continue to be based on a modular, open source architecture that provides flexibility for systems integration and expansion. The tool will continue to be web accessible via an internet browser but also provide expandable visualization capability for viewing on the CEOC/DOC/JRIC VIS.

Subtasks

Subtask 17.1: LASD Information Awareness and Sharing Tool Design

The Contractor shall develop a high-level Design Description Document for the LASD Information Awareness and Sharing Tool to deliver the requirements identified in the RTM.

Subtask 17.2: LASD Information Awareness and Sharing Tool Procurements

The Contractor shall procure, transport, verify arrival and condition, report status and secure on-site for the purposes of installation a web server and the necessary network hardware to deploy the LASD Information Awareness and Sharing Tool. Deviations, delays and damage will be reported to County. Contractor shall provide submittals on all major procurements and shall not proceed on procurements until County has approved the procurements.

Subtask 17.3: LASD Information Awareness and Sharing Tool Development/Installation

The Contractor shall develop the information awareness and sharing framework and associated modules as defined in the High Level Design Description Document. The Contractor shall install and configure the information awareness and sharing server on the LASD network. The system will also be configured to run on the VIS within the CEOC/DOC/JRIC.

The Contractor shall conduct SOVT testing on the delivered LASD Information Awareness and Sharing Tool to validate delivery of project requirements set forth in the RTM.

The Contractor shall conduct training on the modules of the information awareness and sharing tool to include a half day course offered twice to CEOC/DOC/JRIC operators, administrators, and leadership.

Task 17 Deliverables

Deliverable 17.1: Design Description Document

The Deliverable products for this Task include (Reference Attachment B3 for Design Description Document outline):

- Design Description Document – Draft Submission
- Design Description Document – Final Submission
- Design Description Document – As-Built Submission

Deliverable 17.2: Procurement

The Deliverable products for this Task include (Reference Attachment B3

for Product Submittals and Proof-of-Delivery outline):

- Product Submittals
- Proof of Delivery of Equipment

Deliverable 17.3: Development/Installation

The Deliverable products for this Task include:

- Successful completion of SOVT
- Delivered training (2 sessions)
- Conditions of Acceptance Report

Task 17 Schedule

The Task 8 Deliverables shall be submitted in accordance with the project POA&M developed in Task 1.

Task 18 – LA County Incident Management Technical Integration Support

The Contractor shall provide operational, technical, administrative, and policy support of integration between the CEOC, DOC, JRIC, and other Intra-Regional, Inter-Regional, and Federal potential partners in LA County Incident Management:

- LA County Incident Management Information Operational Working Group: The Contractor shall support, to the extent possible, incident management information integration discussions between CEOC, DOC, JRIC, and other Intra-Regional, Inter-Regional, and Federal potential partners through the establishment of a County Incident Management Information Operational Working Group
- LA County Incident Management Information Operational Architecture: The Contractor shall assist in development of an operational architecture to represent County Incident Management Information awareness and sharing among the CEOC, DOC, JRIC, and other Intra-Regional, Inter-Regional, and Federal potential partners in LA County Incident Management
- The Contractor shall support, to the extent possible, connectivity and information sharing between partners leveraging Eos and the developed concept architecture

Subtasks

Subtask 18.1: Operational Working Group

The Contractor shall support, to the extent possible, incident management information integration discussions between CEOC, DOC, JRIC, and other Intra-Regional, Inter-Regional, and Federal potential partners through the establishment of a County Incident Management Information Operational Working Group.

The Contractor shall support the development of an Operational Working Group Charter identifying Working Group goals, objectives, participants, roles and responsibilities, and timelines.

The Contractor shall support the establishment of formal meeting invites, meeting agendas, and meeting schedules. The Contractor shall establish teleconference or video-teleconference meeting space for each Working Group meeting and shall publish conference instructions to Working Group members prior to each meeting.

The Contractor shall develop formal meeting minutes following each Working Group meeting including action tracking.

Task 18 Deliverables

Deliverable 18.1: Operational Working Group

The Deliverable products for this Task include (Reference Attachment B3 for Conditions of Acceptance Report outline):

- Operational Working Group Charter – Draft Submission
- Operational Working Group Charter – Final Submission
- VTC (or Phone Conference) Working Group Meetings – Monthly (or as identified in the project POA&M
- Publish meeting minutes monthly

Task 18 Schedule

The Task 8 Deliverables shall be submitted in accordance with the project POA&M developed in Task 11.

Task 19 –Final System Acceptance

The System, in its entirety, as installed and configured, may be accepted by County subject to *Paragraph 5.2* of the base Agreement. (Should County and Contractor mutually agree to postpone Final System Acceptance, then the parties shall enter into an Amendment pursuant to

Paragraph 6.0 (Change Notices, Change Orders, and Amendments) of the Agreement, converting this Task to Phase Acceptance, and adding other Work for additional Phases.

Subtask 19.1: Final Documentation

Contractor shall revise/update all Documentation created or obtained pursuant to this Agreement which contains updated information consistent with the fully-operational System.

Subtask 19.2 Achieve Final System Acceptance

The Contractor shall conduct a final verification on the delivered System to ensure delivery of project requirements set forth in the RTM.

Contractor shall achieve Final System Acceptance by reviewing, with County, all Documentation and project results, against pre-defined Acceptance criteria as defined in the PCD. Predefined criteria established in the PCD are iterative and cumulative across the design phases of the project. Final acceptance will be against the cumulative criteria Contractor shall achieve Final System Acceptance in accordance with the POA&M.

Task 19 Deliverables

Deliverable 19.1: Final Documentation

The Deliverable products for this Task include (Reference Attachment B3 for FRD contents):

- Final Documentation

Deliverable 19.2: Final System Acceptance

The Deliverable products for this Task include:

- Final verification of System against County's Requirements
- Final System Acceptance Certificate

Task 19 Schedule

The Final Documentation and Final System Acceptance Certificate shall be submitted in accordance with the POA&M developed in Task 11.

Task 20 – LASD-LA County Incident Management Information System Roadmap

The Contractor shall update and deliver to the County, a proposed draft Forecast Roadmap Document (FRD), initially developed and delivered in Phases I and II of the NOC Connectivity Project, outlining the working format for future LASD-LA County Incident Management Information System capability deliveries.

Subtasks

Subtask 20.1: FRD – Future LASD-LA County Incident Management Information System Capabilities

The Contractor shall develop a FRD establishing a recommended/proposed phasing of future LASD-LA County Incident Management Information System capabilities. The FRD will include the relevant elements of the following:

- Introduction
- Project Mission and Objectives
- Future Project Capability Phases
- Future Project Scope and Activities (By Phase)
- Feasibility Estimates for Schedule and Budget (By Phase)

Task 20 Deliverables

Deliverable 20.1: FRD

The Deliverable products for this Task shall consist of the following:

- FRD – Draft
- FRD – Final

Task 20 Schedule

The FRD shall be submitted in accordance with the POA&M developed in Task 11.

7.0 PROJECT ASSUMPTIONS

7.1 General

The following project assumptions, exclusions and limitations apply to this Statement of Work:

- All Deliverable documentation created for this engagement will be made available in both hard copy and electronic format. The electronic format will be Microsoft Office. The planning software used for this engagement is MS Project 2000, and;

- Contractor shall be responsible for providing all personal computing devices and software (e.g. Microsoft Office and Microsoft Project) for its staff.

7.2 Personnel

- Contractor shall, insofar as possible, accommodate the pairing of implementation resources with the appropriate Department resources, to facilitate knowledge transfer during implementation.

7.3 Technology

- Any changes in scope to the Tasks of this SOW, or inaccuracy in assumptions, will necessitate a change to the SOW, and will be handled according to the process described in *Section 6.0* of the body of the Agreement.

- Contractor is not responsible for data corruption in the baseline data set, or the inability to create baseline data, due to failures outside of Contractor's control. Changes in the project, associated with recovery from such events, will be handled according to the process described in *Section 6.0* of the body of the Agreement.

- Contractor is responsible for providing its employees with all necessary hardware and software to complete the Tasks and Deliverables under this Agreement.

- Appropriate physical and administrative access to facilities, servers, network routing equipment, etc. in the current CEOC/DOC/JRIC environment will be provided to the Contractor, subject to County's right to conduct security clearances of any and all of Contractor's employees, as required.
- The existing CEOC/DOC/JRIC architectural, mechanical, and electrical conditions are adequate to support the addition of the solution capabilities delivered through Phase IV of this project.

- The existing CEOC/DOC/JRIC IT/Network Infrastructure is sufficient to support the addition of the solution capabilities delivered through Phase IV of this project.

7.4 County's Acceptance of Documentation

- County's acceptance of all Documentation produced by Contractor as a result of the Work outlined herein, will be governed by the conditions outlined in *Sections 7.0, 8.0, and 9.0* below and the body of the Agreement generally.

8.0 SUMMARY REVIEW - TASK/DELIVERABLE

Upon completion of particular Tasks, including all applicable Subtasks, Deliverables, goods, services, and other Work to be provided by Contractor pursuant to this Agreement, including the Statement of Work and any executed Change Order or Amendment, Contractor shall submit a Task/Deliverable Summary Review Form in the form attached as Exhibit H (Task/Deliverable Summary Review Form) to County Project Director, together with any supporting documentation reasonably requested by County Project Director for County Project Director's written approval. All Work shall be completed in a timely manner and in accordance with the requirements and Specifications set forth in this Agreement, including the Statement of Work and the PCD, and must have the written approval of County Project Director, as evidenced by County Project Director's countersignature to the applicable Task/Deliverable Summary Review Form. County Project Director shall approve or disapprove particular Tasks, Deliverables and other work provided by Contractor pursuant to this Agreement within the time frames set forth in the PCD, or if none, within ten (10) days

from the date of Contractor's submission of the applicable Task/Deliverable Summary Review Form. In no event shall County be liable or responsible for payment respecting a particular Task or Deliverable prior to execution of the Task/Deliverable Summary Review Form for such Task or Deliverable.

9.0 OTHER CONSIDERATIONS TO BE INCLUDED IN THE PROJECT CONTROL DOCUMENT

9.1 Document Review Process

When Contractor creates Documentation as part of the project, each document Deliverable will initially be developed in draft form.

When the draft document is complete, the Contractor Project Manager shall submit the initial release document to County Project Manager for review and comment. The County Project Manager will be responsible for distributing copies of the initial release document for internal review. The County Project Manager is responsible for consolidating Department's comments, and for providing a clearly marked version of the draft document to Contractor's Project Manager within five (5) Business Days, or as specified in the project POA&M as required to achieve project schedule. If comments are not received after five (5) Business Days (or as specified in the project POA&M), then the document version is considered accepted. Contractor shall review and evaluate Department's comments and respond to them in writing, within five (5) Business Days for clarifications. The Department's comments and Contractor's recommendations will be discussed and integrated into a final version, and delivered to County Project Manager as specified in the project POA&M, unless otherwise agreed to by the parties. The County Project Manager is responsible for consolidating Department's comments, and for providing a clearly marked version of the final document to Contractor's Project Manager within three (3) Business Days, or as specified in the project POA&M as required to achieve project schedule. If comments are not received after three (3) Business Days (or as specified in the project POA&M) then the document version is considered accepted. The Contractor shall then resubmit the final document within two (2) Business Days for final acceptance.

* * * * *

ATTACHMENT B1

COUNTY'S MINIMUM FUNCTIONAL AND TECHNICAL REQUIREMENTS FOR THE SYSTEM

NOC Connectivity Project

County's Minimum
Functional and Technical Requirements
NOC Connectivity Project

Overview:

Phases I and II are intended to achieve connectivity between the Los Angeles County Sheriff's Department Operations Center (DOC), the County Emergency Operations Center (CEOC), and the Department of Homeland Security's National Operations Center (NOC). Within this overall objective, operational capabilities at the DOC and CEOC will be expanded and upgraded to facilitate information-sharing through development of a "Common Operational Picture (COP)."

Phases III and IV serve to enhance the capabilities delivered through Phases I and II of the NOC Connectivity Project. During Phases III and IV, operational capabilities at the CEOC/DOC/JRIC will be expanded and upgraded to facilitate information-sharing and enhance County Incident Management.

Hardware Requirements (Integrated and Configured):

- Digital, wall mounted, large size, flat-screen displays for visualization of information, resource, status, situation status, and mapping/geographic information systems (GIS) products.
- Servers and/or networked computers to house data-base applications, GIS applications, web/internet services, video and voice over internet (VOIP) capabilities.
- Work stations (14 computers, 22 monitors) for managers, analysts, and staff to process COP applications. These should include a mix of two and three-monitor configurations.
- 2 Printers and 2 plotters (color) for information applications.

Software Functionality and Interface Capabilities:

- Common Operational Picture (COP)-Common Operating Database (COD), software and middleware able to accept multiple disparate feeds from a variety of sources and platforms. (Detail provided in Attachment B2, Part 2, subheading OP-1)
- Software and middleware able to accept multiple disparate feeds from a variety of sources and platforms. (Attachment B2, Part 2, subheadings IGA-2 and 3)
- Two-way connectivity between the DOC and CEOC. (Attachment B2, Part 2, subheadings OP-1 and 2, and CC-ALL)
- Two-way connectivity between DOC/CEOC and NOC (Phases I & II). (Attachment B2, Part 2, subheadings OP-1 and 2, and CC-ALL)

- Two-way connectivity between DOC/CEOC and JRIC (Phases III & IV). (Attachment B2, Part 2, subheadings OP-1 and 2, TI-3, and CC-1)
- Provide open standards based web services to export and import CEOC / DOC/JRIC Information Sharing tool information. This tool will provide a web-based interface with the intention of supporting information exchange with external systems. (Attachment B2, Part 2, subheadings OP-1 and 2) The County's primary system interface objectives are identified below. The County and Contractor agree that interoperability with the below systems is outside the scope of this Agreement:

    - State Operations Center, Regional Operations Centers, and Jurisdictional EOCs within Los Angeles County.
    - Systems operated by the Joint Regional Intelligence Center (JRIC), LASD Crime Analysis Center, and systems at the NOC.
    - Homeland Security Information System (HSIN).
    - Field Command Posts through the Los Angeles Regional Common Operating Picture program (LARCOPP) and Antares system.
    - LAPD RACER.
    - Justice Data Systems, including COPLINK/Palantir, LARCIS, Cal Gang, etc.
    - Geographic Area Coordination Center (GACC) – SOUTHOPS
    - County CCTV and ASAP (Advanced Surveillance and Protection) Capabilities.

- Ability to exploit and process GIS systems and imagery from multiple platforms (ArcView, ArcInfo, enterprise GIS, Los Angeles Region Imagery Acquisition Consortium). (Attachment B2, Part 2, subheadings OP-1, TI-1)
- Ability to exploit and process GIS systems and imagery from LA County Enterprise GIS. (Attachment B2, Part 2, subheading TI-1)
- Ability to exploit and process video (CCTV), and ASAP (Advanced Surveillance and Protection) Project capabilities. (Attachment B2, Part 2, subheadings IGA-1, 2 and 3)

Other Technical Requirements:

- Ability to print screen shots of real-time data.
- Ability to produce, digitally transmit, and share reports and screen shots.
- Uninterrupted power supply and surge protection.
- Ability to distribute COP products electronically to multiple users in function/role-specific format (utilizing a dynamic ontology).
- Provide open standards based web services to export and import CEOC / DOC/JRIC Information Sharing tool information. This tool will provide a web-based interface with the intention of supporting information exchange with with legacy information systems and emerging technologies. The County and Contractor agree that the interoperability with the specific legacy systems and emerging technologies is outside the scope of this Agreement.

- Ability to accept data utilizing multiple, standard formats (XML, RSS, etc.).

(see next page)

Glossary of Acronyms:

ASAP	– Advanced Surveillance and Protection Plan system
CCTV	– Closed-circuit Television (video capture and closed transmission environment, as opposed to broadcast 'open' transmission, generic)
CEOC	– County Emergency Operations Center
COD	– Common Operating Database
COP	– Common Operating Picture
COPLINK®	– Software application, crime analysis
DOC	– Department [Sheriff] Operations Center
GIS	– Geographic Information System (information system used to capture spatially referenced data, generic)
HSIN	– Homeland Security Information Network
LAPD RACER	– Los Angeles Police Department's Realtime Analysis and Critical Response Division
LARCIS	– Los Angeles Regional Crime Information System
LARCOPP	– Los Angeles Regional Common Operating Picture Program
NOC	– National Operations Center
*RDF	– Resource Description Framework (family of World Wide Web Consortium (W3C) specifications)
RSS	– family of 'web' (internet) feed formats which include: Really Simple Syndication (RSS 2.0) *RDF Site Summary (RSS 1.0 and .90) Rich Site Summary (RSS .91)
XML	– Extensible Markup Language (data format specification, generic)

ATTACHMENT B2

PART 1 - SYSTEM COMPONENTS

Phase I & II System Components

STATEMENT OF WORK DEFINITION	AGREEMENT DEFINITION	COMPONENTS
Video Information System (VIS) Infrastructure	(reference SOW, Task 6)	
	Software	• N/A
	Interfaces, hardware	• Existing Video Teleconferencing System (VTC) (Physical AV Connection) • Existing Personal Computer(s) (PC) (Physical AV Connection) • DHS NOC Common Operating Picture (COP) (AV Display via DOC PCs) • LASD Info Awareness and Sharing Tool (AV Display via DOC PCs) • Existing DVD/VHS Inputs (Physical AV Connection)
	Configurations	• Control Programming (Crestron Video Control System)
	Third Party Software	• N/A
	Open Source Software	• N/A
	System Hardware	• VIS Servers • Cable TV (CATV) Tuners and equipment • Video Displays • Ceiling Mounted Audio Speakers • Master Time-Zone Clock • A/V Matrix Switch • VIS Processor • VIS Quad Processor • VIS Panel Controllers
DHS NOC Connectivity	(reference SOW, Task 7)	
	Software	• LASD Information Awareness and Sharing Tool (Eos) Web Services (Roadmap OP-2)

	Interfaces	• N/A
	Configurations	• Display settings for CEOC/DOC Video Information Systems (Software Configuration & Hardware Configuration) • Display settings for CEOC/DOC web browsers (Software Configuration & Hardware Configuration)
	Third Party Software	• N/A
	Open Source Software	• N/A
	System Hardware	• N/A
LASD Eos Information Tool (Formerly LASD Information Awareness and Sharing Tool)	(reference SOW, Task 8)	
	Software	• Request for Information (RFI) Module (Roadmap CC-1) • Key Decisions/Actions Module - Renamed to "Position Logs" (Roadmap CC-2, TI-2) • Alerts Module (Roadmap IGA-3) • Collaboration Module (Roadmap CC-ALL) • Resource Status Module (Roadmap CC-3, CC-5, TI-2) • Situation Status Module (Roadmap IGA-1)
	Interfaces	• N/A
	Configurations	• N/A
	Third Party Software	• LARCOP web services communications interfaces (Roadmap OP-1, OP-2, TI-2)
	Open Source Software	• Information Sharing Tool (Eos) Application Architecture (Roadmap OP-1, OP-2)
	System Hardware	• Information Sharing Tool (Eos) Application Server • Information Sharing Tool (Eos) Database • Operator Workstations and Local Displays

Phase III & IV System Components

SOW DEFINITION	AGREEMENT DEFINITION	COMPONENTS
Operating Environment Physical Infrastructure	(reference SOW, Task 16)	
	Software	• N/A
	Interfaces, hardware	• Existing Video Teleconferencing System (VTC) (Physical AV Connection) • Existing Visual Information System (VIS) (Physical AV Connection) • Existing Personal Computer(s) (PC) (Physical AV Connection) • DHS NOC Common Operational Picture (COP) (AV Display via DOC PCs) • LASD Info Awareness and Sharing Tool (Eos) (AV Display via DOC PCs)
	Configurations	• Control Programming (Crestron Video Control System)
	Third Party Software	• LARCOP (Physical Infrastructure support)
	Open Source Software	• LASD Info Awareness and Sharing Tool (Eos) (Physical Infrastructure support)
	System Hardware	• Video Displays • Master Time-Zone Clock • Operator Workstations and Local Displays
Eos Information Tool Upgrades	(reference SOW, Task 17)	
	Software	Enhanced and expanded Eos modules
		• GIS Enhancements (Roadmap TI-1)
		• Incident SA Enhancements (IGA-1)
		• Reporting Tools (Roadmap OP-2)
		• Tactical Resource System Integration Review (Roadmap CC-4, CC-5, TI-2)

		• Analytic Tool Integration Review (Roadmap TI-3)
		• JRIC SAW Tools Review (Roadmap IGA-2)
		• JRIC Workflow Tools Review (Roadmap CC-6)
	Interfaces	• N/A
	Configurations	• N/A
	Third Party Software	• N/A
	Open Source Software	• Information Sharing Tool (Eos) Application Architecture
	System Hardware	• Information Sharing Tool (Eos) Application Server • Information Sharing Tool (Eos) Database • Operator Workstations and Local Displays

Component Eos Roadmap Abbreviations

Software components for the Eos system development align with the Eos Development Roadmap below. The following table lists the abbreviations used in the System Components table and how they map to the sections in the Eos Development Roadmap.

Section Name	Section Abbreviation
Coordination and Collaboration Support	CC
Information Gathering and Analysis	IGA
Technical Integration	TI
Operating Picture	OP

SYSTEM PERFORMANCE METRICS

COMPONENT	METRIC
Eos Information Sharing Tool	The System shall update posted content with changes within 15 seconds of being posted by the end-user
Eos Information Sharing Tool	The System shall have a client side page refresh time of 15 seconds for static web pages for users at the CEOC/DOC and JRIC
Eos Information Sharing Tool	The System shall have a client side page refresh time of 30 seconds for web based GIS applications for users at the CEOC/DOC and JRIC
Eos Information Sharing Tool	The System shall automatically refresh situation monitoring screens every 30 seconds
Eos Information Sharing Tool	The System shall make available content within 15 seconds of being posted by the end-user
Eos Information Sharing Tool	The System shall complete user login in 15 seconds
Eos Information Sharing Tool	The System shall support 50 concurrent logins
Eos Information Sharing Tool	The System shall support 10 concurrent web service connections

PART 2 - SOFTWARE FUNCTIONALITY - BY PHASE

Eos Development Roadmap		Phase I	Phase II	Phase III	Phase IV
Operating Picture Management					
	The Systems Components in Part I related to Operating Picture Management are: - Information Sharing Tool Application Architecture - Reporting Tools - LARCOP web services communications interfaces				
OP-1	**Operational Picture Visualization**				
	Provide an Incident Picture with incident information viewed chronologically				
	Organize incident information into information categories	Requirements	Initial Implementation	Assessment	Production-Ready
	View Eos in a web-based "Command View" layout that is optimized for multiple large screen displays	Requirements	Initial Implementation	Assessment	Production-Ready
	View Eos in a web-based "Desktop View" layout that is optimized for a single screen	Requirements	Initial Implementation	Assessment	Production-Ready
	Navigate incident records in tabular format, displaying incident description, type and severity, status, etc.	Requirements	Initial Implementation	Assessment	Production-Ready
	Navigate incident records via a map-based interface displaying incidents in accordance with their locations	Requirements	Initial Implementation	Assessment	Production-Ready
	Use keyword search to locate incident records	Requirements	Initial Implementation	Assessment	Production-Ready
	Track incident record changes (updates)	Requirements	Initial Implementation	Assessment	Production-Ready
	Automatically create/update Incident Records based on the data received from LARCOP	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate pre-incident planning information with Incident (Event) records			Requirements	Initial Implementation
	Use the eGIS mapping and imagery layers to as the baseline for presentation of Incident Records and associated situational information	Requirements	Initial Implementation	Assessment	Production-Ready
	Provide local controls for managing mapping and imagery layers' visibility	Requirements	Initial Implementation	Assessment	Production-Ready
	Save the map position and layers visibility information for a given incident / user	Requirements	Initial Implementation	Assessment	Production-Ready
	Share saved map "views" among users	Requirements	Initial Implementation	Assessment	Production-Ready
	Interactively annotate maps / create basic features (Lines, Polygons, and Text)			Requirements	Initial Implementation
	Publish GIS data in open geo-spatial formats			Requirements	Initial Implementation
OP-2	**Operational Information Dissemination**				
	Disseminate Incident Records and associated data - Media Articles, Position Logs, Alerts - in a standard format, such as RSS, GeoRSS, or KML	Requirements	Initial Implementation	Assessment	Production-Ready
	Publish Incident Records to LARCOP via the secure web services interface	Requirements	Initial Implementation	Assessment	Production-Ready
	Create and manage groups of users and email addresses to be used for notification			Requirements	Production-Ready
	Email incidents, alerts, media, position logs to users an notification groups			Requirements	Production-Ready
	Assign escalation notification groups and automatically email groups when incidents reach severity thresholds			Requirements	Production-Ready

Information Gathering and Analysis					
	The Systems Components in Part I related to Information Gathering and Analysis are: - Alerts Module - Situation Status Module - Incident SA Enhancements - JRIC SAW Tools Review				
IGA-1	**Incident data management**				
	Manually create / update Incident Records and populate them with situational and response information	Requirements	Initial Implementation	Assessment	Production-Ready
	Track incident description and severity	Requirements	Initial Implementation	Assessment	Production-Ready
	Track incident status - Planned, On-Going, Closed	Requirements	Initial Implementation	Assessment	Production-Ready
	Track incident type and severity	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate documents and images with incident records	Requirements	Initial Implementation	Assessment	Production-Ready
IGA-2	**Media Articles Management**				
	Receive media articles from predefined sources (e.g. local news stations) via a standard protocol, such as RSS or ATOM	Requirements	Initial Implementation	Assessment	Production-Ready
	Store received media articles locally for subsequent review and analysis	Requirements	Initial Implementation	Assessment	Production-Ready
	Use a publicly available web service (e.g. REUTERS OpenCalais) to extract keywords from received media articles	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate location information - latitude and longitude, - with individual media articles	Requirements	Initial Implementation	Assessment	Production-Ready
	Use a publicly available web service (e.g. REUTERS OpenCalais) to extract location information from the article	Requirements	Initial Implementation	Assessment	Production-Ready
	Manually update the keywords, categorization, and location information associated with individual media articles	Requirements	Initial Implementation	Assessment	Production-Ready
	Manually associate media articles with Incident Records	Requirements	Initial Implementation	Assessment	Production-Ready
	Navigate media articles using keyword search and filtering by source and other key attributes	Requirements	Initial Implementation	Assessment	Production-Ready
	Use the location information associated with media articles to display the articles on the map	Requirements	Initial Implementation	Assessment	Production-Ready
	Aggregate JRIC SAW Media Feeds			Requirements	Initial Implementation
IGA-3	**Alerts Management**				
	Receive Alerts from predefined authoritative sources via a standard protocol, such as CAP or RSS, or via e-mail	Requirements	Initial Implementation	Assessment	Production-Ready
	Store received Alerts locally for subsequent review and analysis	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate location information - latitude and longitude, - with individual Alerts	Requirements	Initial Implementation	Assessment	Production-Ready
	Use a publicly available web service (e.g. REUTERS OpenCalais) to extract location information from Alerts	Requirements	Initial Implementation	Assessment	Production-Ready
	Manually update the keywords, categorization, and location information associated with individual Alerts	Requirements	Initial Implementation	Assessment	Production-Ready
	Manually associate Alerts with Incident Records	Requirements	Initial Implementation	Assessment	Production-Ready
	Navigate Alerts using keyword search and filtering by source and other key attributes	Requirements	Initial Implementation	Assessment	Production-Ready
	Use the location information associated with Alerts to display Alerts on the map	Requirements	Initial Implementation	Assessment	Production-Ready

Coordination and Collaboration Support					
	The Systems Components in Part I related to Coordination and Collaboration Support are: - Request for Information Module - Key Decisions/Actions Module (renamed Position Logs) - Collaboration Module - Resource Status Module - Tactical Resource System Integration Review - JRIC Workflow Tools Review				
CC-1	**Request for Information (RFI) Management**				
	Create and edit RFIs via the web interface.	Requirements	Initial Implementation	Assessment	Production-Ready
	Specify distribution/notification list for each RFI	Requirements	Initial Implementation	Assessment	Production-Ready
	Track RFI status as open or closed	Requirements	Initial Implementation	Assessment	Production-Ready
	Send notifications of RFI creation and responses to associated parties	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate RFIs with incidents	Requirements	Initial Implementation	Assessment	Production-Ready
	Receive responses to RFIs via Email	Requirements	Initial Implementation	Assessment	Production-Ready
CC-2	**Position Logs Management**				
	Create Position Logs for predefined positions via a web-based interface	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate files and documents with Position Logs, as required	Requirements	Initial Implementation	Assessment	Production-Ready
	Manually associate Position Logs with incidents	Requirements	Initial Implementation	Assessment	Production-Ready
	Navigate Position Logs chronologically for a given position	Requirements	Initial Implementation	Assessment	Production-Ready
	Navigate situation summary by retrieving the latest Position Logs for all positions	Requirements	Initial Implementation	Assessment	Production-Ready
	Specify notification distribution lists for each position			Requirements	Production-Ready
	Publish Position Logs updates to LARCOP based on pre-defined rules	Requirements	Initial Implementation	Assessment	Production-Ready
CC-3	**Resource Requests Tracking**				
	Create and update Resource Requests, including types of resources required and quantity	Requirements	Initial Implementation	Assessment	Production-Ready
	Specify distribution/notification list for each Resource Request. Notify the reciptients via e-mail	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate location information - address and latitude/longitude, - with each resource request	Requirements	Initial Implementation	Assessment	Production-Ready
	Track resource request status - Open or Completed	Requirements	Initial Implementation	Assessment	Production-Ready
	Manually update resource request information, including its status. Track all Resource Request updates/changes.	Requirements	Initial Implementation	Assessment	Production-Ready
	Navigate Resource Requests using keyword search and/or sorting/filtering by type, status, and priority	Requirements	Initial Implementation	Assessment	Production-Ready
	Associate Resource Requests with Incident Records	Requirements	Initial Implementation	Assessment	Production-Ready

CC-4	**Resource Availability Tracking**				
	Define and track type, quantity, location, and status of available resources			Requirements	Initial Implementation
	Create and manage groups of available resources			Requirements	Initial Implementation
	Associate and manage assignments (orders) with individual resources or resource groups			Requirements	Initial Implementation
	Navigate available and assigned resources using keyword search and/or sorting/filtering by type, status, and location			Requirements	Initial Implementation
	Display available and deployed resources on the map according to their location and orders			Requirements	Initial Implementation
CC-5	**Deployed Resource Status Tracking**				
	Automatically retrieve deployed resource summary for an incident from LARCOP	Requirements	Initial Implementation	Assessment	Production-Ready
	Automatically associate Resource Status with Incident Records based on the information retrieved from LARCOP			Requirements	Initial Implementation
	Manually associate Resource Status with Incident Records			Requirements	Initial Implementation
	Associate location information - latitude, longitude - with Resource Status records			Requirements	Initial Implementation
	Display Resource Status information on the regional map			Requirements	Initial Implementation
	Create Resource Deployment records based on the information received from LARCOP			Requirements	Initial Implementation
	Update Resource Deployment based on the information received from LARCOP			Requirements	Initial Implementation
	Utilize NIMS standards for Resource Deployment tracking			Requirements	Initial Implementation
CC-6	**Intelligence Analysis Workflow**				
	Support JRIC Product Development Workflow			Survey	Requirements
Technical Integration					
	The Systems Components in Part I related to Technical Integration are: - Key Decisions/Actions Module (renamed Position Logs) - Resource Status Module - GIS Enhancements - Tactical Resource System Integration Review - Analytic Tool Integration Review - LARCOP web services communications interfaces				
TI-1	**LASD Enterprise GIS Integration**				
	Retrieve the base map of the area from the LASD Enterprise GIS (eGIS)	Requirements	Initial Implementation	Assessment	Production-Ready
	Retrieve additional mapping / imagery layers from eGIS	Requirements	Initial Implementation	Assessment	Production-Ready
	Connect to the CEOC Local GIS replica			Requirements	Production-Ready
	Develop processes for requesting and receiving GIS support in Eos			Requirements	Initial Implementation

TI-2	**LARCOP Integration**				
	Maintain secure web services based interface for bidirectional information exchange between LARCOP and EOS	Requirements	Initial Implementation	Assessment	Production-Ready
	Support retrieval and publishing of Incident Records from / to LARCOP	Requirements	Initial Implementation	Assessment	Production-Ready
	Support retrieval of Resource Status Summaries from LARCOP	Requirements	Initial Implementation	Assessment	Production-Ready
	Support publishing of Position Logs to LARCOP	Requirements	Initial Implementation	Assessment	Production-Ready
TI-3	**Intelligence Analysis Tool Integration**				
	Retrieve Analysis Products from Palantir			Requirements	Requirements
	Publish Eos data in Palantir consumable formats			Requirements	Requirements

Amended and Restated Under Amendment Number 1
Attachment B-3

LOS ANGELES COUNTY SHERIFF'S DEPARTMENT (LASD)
INFORMATION AWARENESS AND SHARING (IAS)
DELIVERABLE DEFINITION OUTLINE

VERSION 1.1

Submitted:
May 6, 2010

Prepared By:

M.C. DEAN
BUILDING INTELLIGENCE
C4I Group

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Document Configuration Management Summary			
Name	Date	Description of Change	Version
Najaf Ally	November 17, 2008	Initial Document	1.0
N. Walters	May 6, 2010	Updated	1.1

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1. PROJECT CONTROL DOCUMENT (PCD)

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2. SITE SURVEY

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2.1.1 PURPOSE AND SCOPE

2.1.2 SITE VISIT OVERVIEW

2.1.3 DOCUMENT ORGANIZATION

2.2 BUILDING WALK-THROUGH

2.2.1 FACILITY OVERVIEW

2.2.1.1 Primary Contacts

The primary contacts are provided in Table 1 below.

Table 1. Primary Contacts			
Name	**Role**	**E-mail Address**	**Phone Number**

2.2.1.2 CEOC and DOC Facility Assessment

Table 2. CEOC and DOC Facility Assessment	
Characteristic	**Description**
▸ Physical Space ◂	
Square Footage	*< Provide brief narrative description here. >*
As-Built Available	*< Provide brief narrative description here. >*
Wall Construction	*< Provide brief narrative description here. >*
Partitions	*< Provide brief narrative description here. >*
Ceiling Type/Condition	*< Provide brief narrative description here. >*
Lighting Type/Condition	*< Provide brief narrative description here. >*
Raised Floor	*< Provide brief narrative description here. >*
Finish Issues	*< Provide brief narrative description here. >*
Millwork	*< Provide brief narrative description here. >*
Existing Furniture	*< Provide brief narrative description here. >*
HAZMAT Issues	*< Provide brief narrative description here. >*
Physical Security	*< Provide brief narrative description here. >*

Table 2. CEOC and DOC Facility Assessment	
Characteristic	**Description**
Existing Secure Areas/SCIF	< *Provide brief narrative description here.* >
Life Safety	< *Provide brief narrative description here.* >
Issues	< *Provide brief narrative description here.* >
▸ Mechanical ◂	
System Description/Condition	< *Provide brief narrative description here.* >
Issues	< *Provide brief narrative description here.* >
▸ Electrical ◂	
System Description/Condition	< *Provide brief narrative description here.* >
Basic Services	< *Provide brief narrative description here.* >
Issues	< *Provide brief narrative description here.* >
▸ Plumbing ◂	
System Description/Condition	< *Provide brief narrative description here.* >
Basic Services	< *Provide brief narrative description here.* >
Issues	< *Provide brief narrative description here.* >
▸ Structural ◂	
General Description/Condition	< *Provide brief narrative description here.* >
Issues	< *Provide brief narrative description here.* >

2.2.2 WALK-THROUGH PHOTOS

2.2.2.1 <Level 3 Heading>

2.2.2.2 <Level 3 Heading>

2.2.2.3 <Level 3 Heading>

3. PROJECT STATUS REPORT

The Project Status Report provided below will be used to keep the LASD informed on work performed.

I. GENERAL PROJECT INFORMATION			
CONTRACT NUMBER:		PROJECT TITLE:	LASD NOC Connectivity Project
D.O. NUMBER:	Not Applicable	PROJECT SITE:	
PERIOD OF PERFORMANCE:	AWARD DATE:	COMPLETION DATE: *(R = REVISED)*	
CLIENT POINTS OF CONTACT:			
PROJECT DIRECTOR:	John Sullivan, Lieutenant	PROJECT MANAGER:	Scott Anger, Sergeant
M.C. DEAN, INC. POINTS OF CONTACT			
PROGRAM DIRECTOR:	Gerard Skinner	PROJECT ENGINEER:	Eugene Rae
PROJECT MANAGER:	Ronald M. Griffin, PMP	SITE MANAGER:	N/A
BRIEF DESCRIPTION OF WORK:			

II. PROJECT STATUS/PROGRESS					
REPORT NUMBER:		REPORTING PERIOD:			
DELIVERABLES: *(please refer to attached POA&M Schedule for more detailed information)*					
Task #	*Description*	*Due Date*	*Status*	*% Complete*	*Notes/Comments*
1					
2					
3					
4					
5					

PROGRESS/ACCOMPLISHMENTS THIS REPORTING PERIOD:	
▪	▪
▪	▪

PROJECT MEETINGS THIS REPORTING PERIOD:			
Date	*Description*	*Location*	*Participants*

PROBLEM AREAS/ACTION ITEMS THIS REPORTING PERIOD: *(significant issues)*				
First Reported	*Reference Document*		*Status*	*Notes/Comments/Updates*

MODIFICATIONS THIS REPORTING PERIOD: *(please refer to attached Change Order Log for more detailed information)*					# OF PENDING MODS	
Status	*MOD #*	*Description*	*Date*	*Amount*	*Time Extension*	

III. FINANCIAL INFORMATION			
ORIGINAL AMOUNT:	$0.00	INVOICED TO DATE:	$0.00
APPROVED MODIFICATIONS:	$0.00	PAID TO DATE:	$0.00
REVISED AMOUNT:	$0.00	LAST PAYMENT AMOUNT:	$0.00

IV. ATTACHMENTS *(please check all that apply)*			
☐ POA&M SCHEDULE	☐ CHANGE ORDER LOG	☐ SUBMITTAL LOG	☐ OTHER:
☐ RFI LOG	☐ MILESTONE PAYMENT LOG	☐ MEETING MINUTES	☐ OTHER:

4. OPERATIONAL CAPABILITIES DOCUMENT (OCD)

4.1 INTRODUCTION

4.1.1 BACKGROUND

4.1.2 PROJECT APPROACH

4.1.3 PURPOSE

4.1.4 ASSUMPTIONS

4.1.5 DESCRIPTION OF CONTENTS

4.1.6 REFERENCES

4.2 MISSION OVERVIEW

4.2.1 LASD MISSION

4.2.2 LASD CEOC MISSION

4.2.3 LASD DOC NCE

4.2.4 LASD OV-1 AND OV-2 DIAGRAMS

4.3 OPERATIONAL NEEDS

4.3.1 LASD-EXPLICIT OPERATIONAL NEEDS

4.3.2 LASD-DERIVED OPERATIONAL NEEDS

4.3.3 LASD-INFORMATION AWARENESS AND SHARING KEY SYSTEM ATTRIBUTES

4.4 LASD INFORMATION AWARENESS AND SHARING CAPABILITY TRACE

The following traceability matrix maps LASD Information Awareness and Sharing operational needs to the operational capabilities that support them. Definitions of these capabilities can be found later in this section of the OCD.

Operational Needs	Objectives	LASD Information Awareness and Sharing Operational Capabilities								
		Capability 1	Capability 2	Capability n	Capability n	Capability n	Capability n	Future Capability	Future Capability	Future Capability

Operational Needs	Objectives	LASD Information Awareness and Sharing Operational Capabilities								
		Capability 1	Capability 2	Capability n	Capability n	Capability n	Capability n	Future Capability	Future Capability	Future Capability

4.4.1 CAPABILITY 1

4.4.1.1 Subcapability 1.1

4.4.1.2 Subcapability 1.2

4.4.2 CAPABILITY 2

4.4.2.1 Subcapability 2.1

4.4.2.2 Subcapability 2.2

4.4.3 *CAPABILITY N*

4.4.3.1 Subcapability n.1

4.4.3.2 Subcapability n.2

4.4.4 *FUTURE CAPABILITY*

4.4.4.1 Subcapability TBD.1

4.4.4.2 Subcapability TBD.2

4.4.5 *LASD INFORMATION AWARENESS AND SHARING SERVICES*

The following traceability matrix maps the LASD Information Awareness and Sharing operational capabilities to the services that deliver them.

LASD Information Awareness and Sharing Services	Description	LASD Information Awareness and Sharing Operational Capabilities								
		Capability 1	Capability 2	Capability n	Capability n	Capability n	Capability n	Future Capability	Future Capability	Future Capability
Service 1										
Service 2										
Service n										
Future Service										

4.4.5.1 Capability 1 Services

4.4.5.2 Capability 2 Services

4.4.5.3 Capability n Services

4.4.5.4 Future Services

4.4.6 *LASD INFORMATION AWARENESS AND SHARING HIGH-LEVEL ARCHITECTURE DIAGRAM*

4.4.7 *LASD INFORMATION AWARENESS AND SHARING TECHNOLOGY SOLUTIONS*

The following traceability matrix maps the LASD Information Awareness and Sharing services to the technology solutions that deliver them:

LASD Information Awareness and Sharing Services	LASD Information Awareness and Sharing Operational Capabilities								
	Technology 1	Technology 2	Technology n	Technology n	Technology n	Technology n	Future Technology	Future Technology	Future Technology
Service 1									
Service 2									
Service n									
Future Service									

4.4.7.1 Capability 1 Technologies

4.4.7.2 Capability 2 Technologies

4.4.7.3 Capability n Technologies

4.4.7.4 Future Capability Technologies

5. DESIGN INTENT DOCUMENT (DID)

5.1 EXISTING LAYOUT

5.1.1 EXISTING SEAT LAYOUT

5.1.2 OPERATIONAL PROGRAM

5.1.3 EXISTING LAYOUT

5.2 OPERATIONAL INTENT

5.2.1 PRESENTATION PLAN

5.2.2 OPERATIONAL LAYOUT

5.2.3 OPERATIONAL ZONE EXPLANATIONS

5.2.4 OPERATIONAL SEAT LAYOUT

5.2.5 OPERATIONAL PROGRAM

5.3 ACTIVE INFRASTRUCTURE INTENT

5.4 SECURITY INTENT

5.5 AUDIO VISUAL SYSTEMS INTENT

5.6 FURNITURE INTENT

5.6.1 FURNITURE LAYOUT

5.6.2 FURNITURE TYPICALS

5.7 DESKTOP AIS (EQUIPMENT) INTENT

5.8 PASSIVE INFRASTRUCTURE (CABLING) INTENT

5.9 ARCHITECTURAL AND FINISHES INTENT

5.10 MECHANICAL INFRASTRUCTURE INTENT

5.11 ELECTRICAL INFRASTRUCTURE INTENT

5.12 LIGHTING INTENT

5.13 DHS NOC CONNECTIVITY INTENT

5.13.1 ARCHITECTURE

5.13.2 DESCRIPTIONS

5.14 LASD INFORMATION AWARENESS AND SHARING TOOL INTENT

5.14.1 ARCHITECTURE

5.14.2 DESCRIPTIONS

5.14.3 MODULE 1

5.14.3.1 Architecture

5.14.3.2 Descriptions

5.14.4 MODULE 2

5.14.4.1 Architecture

5.14.4.2 Descriptions

5.14.5 MODULE N

5.14.5.1 Architecture

5.14.5.2 Descriptions

6. DECISION SUPPORT DOCUMENT (DSD)

6.1 BACKGROUND AND PURPOSE

6.2 LASD INFORMATION SHARING TOOL FUNDING LEVELS

6.3 COST-CAPABILITY ANALYSIS PROCESS OVERVIEW

6.4 OPTIONS OVERVIEW

6.4.1 OPTION 1

6.4.2 OPTION 2

6.4.3 OPTION N

6.5 OPTIONS PRICING

6.5.1 OPTION 1

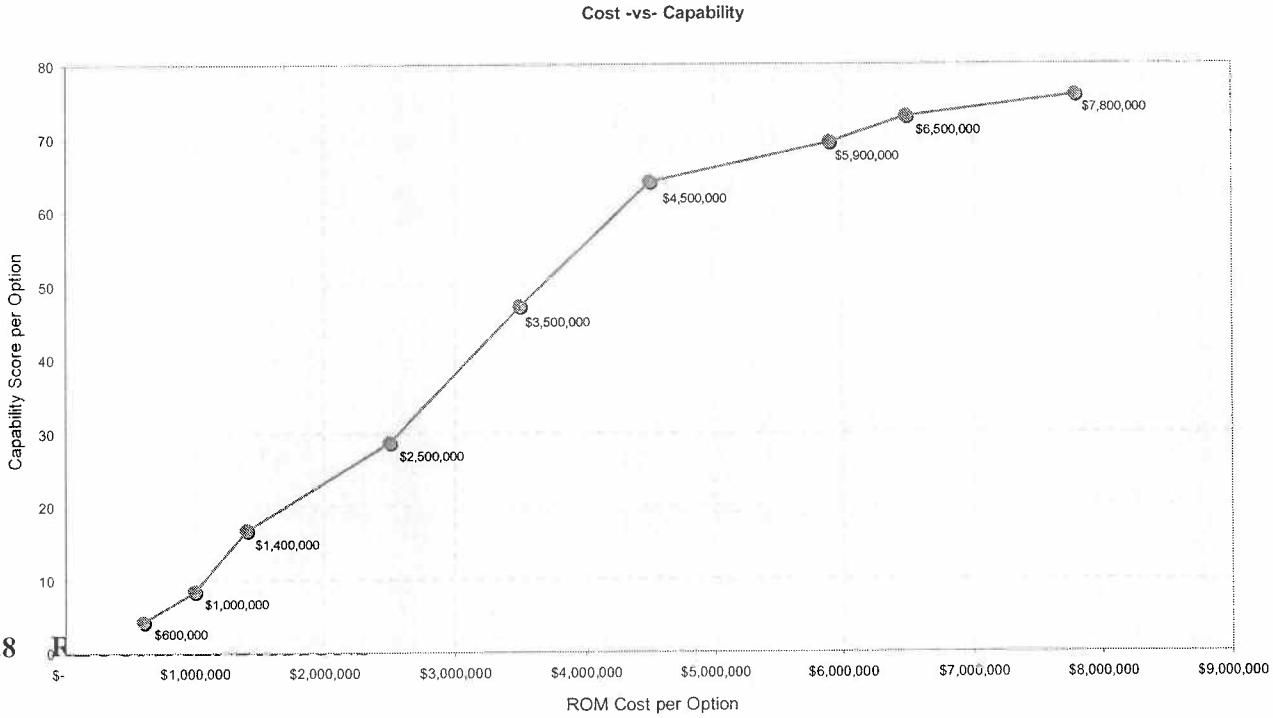
6.5.2 OPTION 2

6.5.3 OPTION N

6.6 CAPABILITY SCORING

Capability Area	Comments/Explanation	CEOC Weight (0-1)	DOC Weight (0-1)	Overall Weight (0-1)

6.7 COST-CAPABILITY ANALYSIS



6.8 R

6.9 WAY FORWARD

7. REQUIREMENTS TRACEABILITY MATRIX (RTM)

<<Project>> Requirements Traceability Matrix (RTM) - Release XXXX									
Req ID	Explicit Requirement Description	Derived Requirement Description	Functional Area	Source	Date	Priority	Dependency	Verification Method	Verification Reference

8. VIDEO INFORMATION SYSTEM (VIS) INSTALLATION DESIGN PLAN (IDP)

DRAWING LIST AND RESPONSIBILITY

Project Name: LASD CEOC/DOC VIS SYSTEM				
Lead Engineer:	**Job Number:**			**Sub Job**
Dates	**30%**	**Draft**	**Final**	**As-Bu**
Est. Start				
Est. Completion				
Submission (To C4I)				

Background		**Drawing Name**				
Date Back-ground Revised	**Date Back-ground Frozen**	**Drawing Series**	**New Drawing Number**	**Sheet Number**	**Title**	
		IDP SET				
		COVER			TITLE SHEET	
		FUNCTIONAL INTERFACE	A000	1 OF 1	DRAWING TREE	
		INSTALLATION MASTER	A020	1 OF 6	INSTALLATION MASTER DRAWING	
			A020	2 OF 6	MASTER LIST OF MATERIAL	
			A020	3 OF 6	VICINITY MAP	
			A020	4 OF 6	SITE MAP	
			A020	5 OF 6	CEOC FLOOR PLAN	
			A020	6 OF 6	DOC FLOOR PLAN	
		FLOOR PLANS AND ELEVATIONS	A040	1 OF 5	FLOOR PLANS AND RACK ELEVATIONS	
			A040	2 OF 5	VIS CABLING PLAN	
			A040	3 OF 5	LAN ROOM PLAN	
			A040	4 OF 5	CABINET ELEVATIONS	

Background		Drawing Name				
Date Back-ground Revised	Date Back-ground Frozen	Drawing Series	New Drawing Number	Sheet Number	Title	
			A040	5 OF 5	WORK AREA OUTLET DETAILS	
		BLOCK DIAGRAMS	A060	1 OF 5	BLOCK DIAGRAMS	
			A060	2 OF 5	VIDEO LOGICAL	
			A060	3 OF 5	AUDIO LOGICAL	
			A060	4 OF 5	CONTROL LOGICAL	
			A060	5 OF 5	WORKSTATION LOGICAL	
		CABLING BLOCK DIAGRAMS	A070	1 OF 5	CABLING BLOCK DIAGRAMS	
			A070	2 OF 5	VIDEO CABLING BLOCK DIAGRAM	
			A070	3 OF 5	AUDIO CABLING BLOCK DIAGRAM	
			A070	4 OF 5	CONTROL CABLING BLOCK DIAGRAM	
			A070	5 OF 5	WORKSTATION CABLING BLOCK DIAGRAM	
		CABLE RUNNING SHEETS	A080	1 OF 5	CABLING RUNNING SHEETS	
			A080	2 OF 5	VIDEO CABLING RUNNING SHEET	
			A080	3 OF 5	AUDIO CABLING RUNNING SHEET	
			A080	4 OF 5	CONTROL CABLING RUNNING SHEET	
			A080	5 OF 5	WORKSTATION CABLING RUNNING SHEET	
		CIRCUIT DIAGRAMS	A110	1 OF 2	CIRCUIT DIAGRAMS	
			A110	2 OF 2	CABLE TERMINATION DETAILS	
		LABELING DETAILS	A120	1 OF 3	LABELING DETAILS	
			A120	2 OF 3	WORKSTATION LABELING DETAILS	
			A120	3 OF 3	PATCH PANEL LABELING DETAILS	
		CABLING ROUTING LAYOUT	A160	1 OF 2	CABLE ROUTING LAYOUT	
			A160	2 OF 2	CEOC / DOC PATHWAYS PLAN	
		MOUNTING DETAILS	A170	1 OF 4	MOUNTING DETAILS	
			A170	2 OF 4	CABINET DETAILS	
			A170	3 OF 4	ASSEMBLY DETAILS	
			A170	4 OF 4	BASKET TRAY DETAILS	

9. INFORMATION SHARING TOOL DESIGN DOCUMENT

9.1 INTRODUCTION

9.1.1 BACKGROUND

9.1.2 SYSTEM OVERVIEW

9.1.2.1 Goals and Purpose

9.1.2.2 Requirements and Scope

9.1.3 RELATED DOCUMENTS

9.1.4 OVERVIEW

9.1.5 RELATED DOCUMENTS

9.2 SOFTWARE SYSTEM ARCHITECTURE

9.2.1 ARCHITECTURE DESCRIPTION

9.2.2 COMPONENTS DIAGRAM

9.2.2.1 Internal Components

9.2.2.2 External Components and Interfaces

9.3 SOFTWARE COMPONENTS DEFINITION

9.3.1 COMPONENT NAME

9.3.1.1 Description, Capabilities, and Requirements

9.3.1.2 Dependencies and Assumptions

9.3.1.3 Interface Descriptions

9.3.1.4 Processing Detail

9.3.1.5 Data Requirements and Interactions

9.3.1.6 User Interface Requirements and Interactions

9.3.1.7 Error Handling

9.3.1.8 Testing Notes

9.4 DATABASE ARCHITECTURE AND COMPONENTS

9.4.1 DATABASE ARCHITECTURE

9.4.1.1 Internal Components

9.4.1.2 External Components and Interfaces

9.4.2 DATABASE COMPONENTS DESCRIPTION

9.4.2.1 Tables

9.4.2.2 Triggers

9.4.2.3 Views

9.5 USER INTERFACE ARCHITECTURE COMPONENTS

9.5.1 USER INTERFACE OVERVIEW

9.5.2 USER INTERFACE DESIGN RULES

9.5.3 NAVIGATION ARCHITECTURE

9.5.4 OBJECTS AND INTERACTIONS

9.5.4.1 Object Name

9.5.4.1.1 Description, Capabilities, Requirements

9.5.4.1.2 Object Interactions

9.6 TERMS AND DEFINITIONS

10. PRODUCT SUBMITTALS

11. PROOF OF DELIVERY (POD)

12. CONDITIONS OF ACCEPTANCE REPORTS

12.1 CONDITIONS OF FINAL ACCEPTANCE *(as applicable)*

12.1.1 IDENTIFYING INFORMATION

12.1.1.1 Site Identification

12.1.1.2 Site Points of Contact

Position	Rank/Name	Telephone (POTS/STU-III)	E-Mail

12.1.2 LOGISTICS SUPPORT VERIFICATION

12.1.2.1 Publications Verification (Vendor O&M Manuals)

TMINS #	NSN	Description	Qty

12.1.2.2 Equipment Information

Submittal #	Manufacturer	Model # / Part #	Description

12.1.3 VIDEO INFORMATION SYSTEM PERFORMANCE TEST

12.1.3.1 Touch Panels

12.1.3.1.1 Video Wall and Displays Power-up Verification

Step	Result	SAT

12.1.3.1.2 TV Tuners Operation Verification

Step	Result	SAT

12.1.3.1.3 DVD/VCR Operation Verification

12.1.3.1.4 Video Source Verification

Video Source	Item	Video Displays											

12.1.3.1.5 Audio Source Verification

Source	Item	Speakers											

12.1.3.1.6 Volume Verification

Step	Result	SAT

12.1.3.1.7 Sanitize Button Test

Operation	Item	Video Displays											

12.1.3.2 DHS NOC Connectivity

12.1.3.2.1 Executive View on CEOC Video Displays

Step	Result	SAT

12.1.3.2.2 Executive View on DOC Video Displays

Step	Result	SAT

Step	Result	SAT

12.1.3.2.3 Desktop View on CEOC/DOC Workstation

Step	Result	SAT

12.1.3.3 CEOC / DOC Information Sharing Tool

12.1.3.3.1 Functional Requirements Checklist

Requirement ID	Verification Method	Verified	Comments

12.1.3.3.2 CEOC / DOC Information Sharing Tool Display on DOC Video Wall

Step	Result	SAT

12.1.3.3.3 CEOC / DOC Information Sharing Tool Display on CEOC Video Wall

Step	Result	SAT

12.1.3.4 JRIC Information Sharing Tool

12.1.3.4.1 Functional Requirements Checklist

Requirement ID	Verification Method	Verified	Comments

12.1.3.4.2 JRIC Information Sharing Tool Display on JRIC workstation

Step	Result	SAT

12.2 CONDITIONS OF PHASE ACCEPTANCE *(as applicable)*

12.2.1 IDENTIFYING INFORMATION

12.2.1.1 Site Identification

12.2.1.2 Site Points of Contact

Position	Rank/Name	Telephone (POTS/STU-III)	E-Mail

12.2.2 LOGISTICS SUPPORT VERIFICATION

12.2.2.1 Publications Verification (Vendor O&M Manuals)

TMINS #	NSN	Description	Qty

12.2.2.2 Equipment Information

Submittal #	Manufacturer	Model # / Part #	Description

12.2.3 VIDEO INFORMATION SYSTEM PERFORMANCE TEST

12.2.3.1 Touch Panels

12.2.3.1.1 Video Wall and Displays Power-up Verification

Step	Result	SAT

12.2.3.1.2 TV Tuners Operation Verification

Step	Result	SAT

Step	Result	SAT

12.2.3.1.3 DVD/VCR Operation Verification

12.2.3.1.4 Video Source Verification

Video Source	Item	Video Displays											

12.2.3.1.5 Audio Source Verification

Source	Item	Speakers											

12.2.3.1.6 Volume Verification

Step	Result	SAT

12.2.3.1.7 Sanitize Button Test

Operation	Item	Video Displays											

12.2.3.2 DHS NOC Connectivity

12.2.3.2.1 Executive View on CEOC Video Displays

Step	Result	SAT

12.2.3.2.2 Executive View on DOC Video Displays

Step	Result	SAT

12.2.3.2.3 Desktop View on CEOC/DOC Workstation

Step	Result	SAT

12.2.3.3 CEOC / DOC Information Sharing Tool

12.2.3.3.1 Functional Requirements Checklist

Requirement ID	Verification Method	Verified	Comments

12.2.3.3.2 CEOC / DOC Information Sharing Tool Display on DOC Video Wall

Step	Result	SAT

12.2.3.3.3 CEOC / DOC Information Sharing Tool Display on CEOC Video Wall

Step	Result	SAT

13. FORECAST ROADMAP DOCUMENT (FRD)

13.1 INTRODUCTION

13.2 PROJECT MISSION AND OBJECTIVES

13.3 FUTURE PROJECT CAPABILITY PHASES

13.4 FUTURE PROJECT SCOPE AND ACTIVITIES (BY PHASE)

13.5 FEASABILITY ESTIMATES FOR SCHEDULE AND BUDGET (BY PHASE)

14. FINAL SYSTEM ACCEPTANCE / PHASE ACCEPTANCE DOCUMENT

(used as applicable)

For Phase Acceptance Certificate, refer to Exhibit H2 of the Agreement.

For Final System Acceptance Certificate, refer to Exhibit I of the Agreement.

EXHIBIT C

PRICE AND SCHEDULE OF PAYMENT

County of Los Angeles, Sheriff
Project No: 369SH
Amendment No. 1
Contractor: M.C. Dean, Incorporated

June 14, 2010

Los Angeles County Sheriff's Department
Contracts Unit
4700 Ramona Boulevard
Monterey Park, California 91754

SUBJECT: PRICE
National Operations Center Connectivity Project

1. Contact Personnel who are authorized to represent M.C. Dean, Incorporated

   A. GERARD SKINNER, Project Director
   B. EUGENE RAE, Program Manager
   C. RON GRIFFIN, Project Manager

2. Contractor's Firm-Fixed Price Fee for this Project Phase I Readiness Assessment shall be **$850,000.00**

3. Contractor's Firm-Fixed Price Fee for this Project, Phase II Implementation shall be **$1,850,000.00.**

4. Contractor's Firm-Fixed Price Fee for this Project, Phase III Readiness Assessment shall be **$875,000.00.**

5. Contractor's Firm-Fixed Price Fee for Project, Phase IV Implementation shall be **$410,000.00.**

6. The total Price for all Work specified under this Agreement, as outlined in the *Agreement, Section 8.0 (Prices and Fees)*, shall not exceed **$3,985,000.**

Signed _____

Print Name: JAMES BOLASHAM

Title: VP, GENERAL MANAGER ISE DIVISION

Date: June 14, 2010

NOC Connectivity Project
Price and Payment Schedule by Deliverable, Phase I Assessment

Task	Total for Deliverable	Invoice Pay Point**	Notes
Deliv 1.1 PCD (Draft / Final)	$100,000.00		
Deliv 2.1 Site Survey	$250,000.00		
Deliv 2.2 OCD (Draft/Final)	$150,000.00		
Deliv 3 DID (Draft/Final)	$150,000.00		This Document in three (3) parts: VIS Infrastructure, NOC Connectivity, Information Awareness and Sharing Tool
Deliv 4.1 Decision Support Doc (on options) (Draft/Final)	$150,000.00		
Deliv 5.1 RTM (Draft/Final)	$50,000.00		
SUBTOTAL	$850,000.00		

**Contractor may, with the approval of the County Project Director, combine Invoice paypoints into a one or more invoices.

Price - Phase II Implementation

Task	Total for Deliverable	Invoice Pay Point**	Notes
Video Information System (VIS)			
Deliv 6.1 VIS Infrastructure Design Doc (Draft/Final)	$250,000.00		
Deliv 6.2 VIS Infrastructure Procurement (Product Submittals)	$1,030,000.00		
Deliv 6.3 VIS Infrastructure Installation	$25,000.00		Conditions of Acceptance Report
Deliv 7.1 DHS NOC Connectivity Configuration	$25,000.00		Conditions of Acceptance Report
LASD Info Awareness/Sharing Tool			
Deliv 8.1 Design Description Document (Draft/Final)	$200,000.00		

Task	Total for Deliverable	Invoice Pay Point**	Notes
Deliv 8.2 Procurement			Proof of Delivery
Deliv 8.3 Development / Installation	$25,000.00		Conditions of Acceptance Report
Deliv 9.1/9.2 Documentation and Phase Acceptance	$270,000.00		
Deliv 10 Future Roadmap (Draft/Final)	$25,000.00		
SUBTOTAL	$1,850,000.00		
PROJECT TOTAL	$2,700,000.00		

Price - Phase III Assessment

Task	Total for Deliverable	Invoice Pay Point**	Notes
Deliv 11.1 PCD (Draft / Final)	$100,000.00		
Deliv 12.1 Mobilizaton & Site Survey	$225,000.00		
Deliv 12.2 OCD (Draft/Final)	$150,000.00		
Deliv 13DID (Draft/Final)	$150,000.00		
Deliv 14.1 Decision Support Doc (on options) (Draft/Final)	$150,000.00		
Deliv 15.1 RTM (Draft/Final)	$100,000.00		
PHASE III SUBTOTAL	$875,000.00		

**Contractor may, with the approval of the County Project Director, combine Invoice pay points into one or more invoices.

Price - Phase IV Implementation

Task	Total for Deliverable	Invoice Pay Point**	Notes
Operating Environment Infrastructure:			
Deliv 16.1 IDP (Draft/Final)	$5,000.00		
Deliv 16.2 Product Submittals	$35,000.00		
Deliv 16.3 Conditions of Acceptance Report	$7,500.00		
LASD Info Awareness/Sharing Tool:			
Deliv 17.1 Info Awareness/Sharing Tool Design Description Document (Draft)	$55,000.00		
Deliv 17.1 Info Awareness/Sharing Tool Design Description Document (Final)	$55,000.00		
Deliv 17.1 Info Awareness/Sharing Tool Design Description Document (As-Built)	$40,000.00		
Deliv 17.2 Info Awareness/Sharing Equipment Proof of Deliver	$7,500.00		
Deliv 17.3 Info Awareness/Sharing Conditions of Acceptance Report	$15,000.00		

Task	Total for Deliverable	Invoice Pay Point**	Notes
Deliv 18 Technical Integration Support	$50,000.00		
Deliv 19.1/19.2 Documentation and Final System Acceptance	$128,500.00		Payable upon expiration of the Warranty Period.
Deliv 20 Future Roadmap (Draft/Final)	$11,500.00		
PHASE IV SUBTOTAL	$410,000.00		
PHASE III & IV PROJECT TOTAL	$1,285,000.00		

EXHIBIT H1

PHASE-TASK/DELIVERABLE SUMMARY REVIEW FORM

PROJECT IDENTIFICATION[1]

Contract Number and Date:

Contractor Name: **MC Dean, Inc.**

Date Submitted:

Summary Review Date:

Re-Submission: YES NO

If yes list past Submissions:

Date of Past Rejections	Reason for Rejection

TASK/DELIVERABLE REVIEW INFORMATION (If appropriate, information for multiple Tasks/Deliverables may be included for approval on a single acceptance form.)

T/Deliverable #	T/Deliverable Date:
T/Deliverable Name:	
T/Deliverable Definition:	
T/Deliverable Summary Review Status:	

T/Deliverable Definition: A detailed definition of each Deliverable with respect to which the Task/Deliverable Summary Review is being submitted, as such Deliverable is described in the Statement of Work and the PCD.
Summary Review Status: For each Deliverable being presented, provide a Summary Review of status, objectives met or not met, impact on Project schedule and/or other criteria for Review as set forth in the PCD.

[1] Capitalized terms used in this Phase-Task/Deliverable Summary Review have the meanings given to such terms in the Agreement identified by Contract Number and Date above (the "Agreement") or, if not defined therein, in Exhibit B (Statement of Work) to the Agreement (the "Statement of Work").

CERTIFICATION BY CONTRACTOR:

By its signature below, Contractor hereby certifies to County that as of the date of this Phase-Task/Deliverable Summary Review, it has satisfied or is in the process of satisfying all conditions precedent in the Agreement, including the Exhibits thereto to the completion of Phase I and related Tasks and that the Summary Review provided herein satisfies the Review criteria applicable to such Tasks and Deliverables. Contractor further represents and warrants that the Work performed in respect of each Phase, and related Tasks and Deliverables has been completed, or is in a state of completion such as described in this Summary Review, in accordance with Exhibit B (Statement of Work). Attached hereto is a copy of all supporting documentation required pursuant to the Agreement and Exhibit B (Statement of Work), including any additional documentation reasonably requested by County.

Contractor: _____ Date: _____
Contractor Project Director

COUNTY REVIEWER INFORMATION
Reviewer 1

Reviewer Name: Dept: Role:

Deliverable Name:

Recommended Action: Approve Reject

Reviewer Comments:

Reviewer Signature:_____ Date:

COUNTY APPROVER INFORMATION

Approver Name: Role: County Project Director

Deliverable Name:

Action Approve: Reject:

Approver Comments:

Approver Signature:_____ Date:
County Project Director

Added Under Amendment Number 1

EXHIBIT H2

NOC CONNECTIVITY PROJECT
PHASE ACCEPTANCE
CERTIFICATE

LOS ANGELES COUNTY SHERIFF'S DEPARTMENT
NOC CONNECTIVITY PROJECT PHASE ACCEPTANCE CERTIFICATE
PROJECT: PHASE:
DELIVERABLE #

PROJECT IDENTIFICATION[1]

Contract Number and Date:

Contractor Name: **M.C. DEAN, INC.**

Date Phase Acceptance Certificate Submitted:

Acceptance Date:

Re-Submission: YES NO

If yes list past Submissions:

Date of Past Rejections	Reason for Rejection

DELIVERABLE INFORMATION (If appropriate, information for multiple Deliverables may be included for approval on a single acceptance form.)

Deliverable #	Deliverable Date:
Deliverable Name: NOC Connectivity Project	
Deliverable Definition:	
Deliverable Phase Acceptance Criteria:	

Deliverable Definition: A detailed definition of this Deliverable with respect to which this Phase Acceptance Certificate is being submitted, as such is described in the Statement of Work and the PCD.
Phase Acceptance Criteria: For the NOC Connectivity system, list the acceptance criteria which must be met in order to achieve such County's Acceptance of such Deliverable, as set forth in the PCD.

[1] Capitalized terms used in this Phase Acceptance Certificate have the meanings given to such terms in the Agreement identified by Contract Number and Date above (the "Agreement") or, if not defined therein, in Exhibit B (Statement of Work) to the Agreement (the "Statement of Work").

CERTIFICATION BY CONTRACTOR:

By its signature below, Contractor hereby certifies to County that as of the date of this NOC Connectivity Project Phase Acceptance Certificate, it has satisfied all conditions precedent in the Agreement, including the Exhibits thereto to the completion of the most current Phase(s) prescribed in the then-current amended Statement of Work as set forth above for the NOC Connectivity Project, including satisfaction of the acceptance criteria applicable to such Deliverable and County's approval of the Work performed in connection with the achievement of such Deliverable. Contractor further represents and warrants that the Work performed in respect of the described Deliverable has been completed in accordance with Exhibit B (Statement of Work). Attached hereto is a copy of all supporting documentation required pursuant to the Agreement and Exhibit B (Statement of Work), including any additional documentation reasonably requested by County.

Contractor: _____ Date: _____
Contractor Project Director

COUNTY REVIEWER INFORMATION

Reviewer 1

Reviewer Name: Dept: Role:

Deliverable Name:

Recommended Action: Approve Reject

Reviewer Comments:

Reviewer Signature:_____ Date:

Reviewer 2

Reviewer Name: Dept: Role:

Deliverable Name:

Recommended Action: Approve Reject

Reviewer Comments:

Reviewer Signature:_____ Date:

COUNTY APPROVER INFORMATION

Approver Name: Role: County Project Director

Deliverable Name:

Action Approve: Reject:

Approver Comments:

Approver Signature:_____ Date:
County Project Director

Added Under Amendment Number 1

EXHIBIT L

Defaulted Property Tax Reduction Program

Title 2 ADMINISTRATION
Chapter 2.206.010 through 2.206.080
DEFAULTED PROPERTY TAX REDUCTION PROGRAM

2.206.010 Findings and declarations.
2.206.020 Definitions.
2.206.030 Applicability.
2.206.040 Required solicitation and contract language.
2.206.050 Administration and compliance certification.
2.206.060 Exclusions/Exemptions.
2.206.070 Enforcement and remedies.
2.206.080 Severability.

2.206.010 Findings and declarations.

The Board of Supervisors finds that significant revenues are lost each year as a result of taxpayers who fail to pay their tax obligations on time. The delinquencies impose an economic burden upon the County and its taxpayers. Therefore, the Board of Supervisors establishes the goal of ensuring that individuals and businesses that benefit financially from contracts with the County fulfill their property tax obligation. (Ord. No. 2009-0026 § 1 (part), 2009.)

2.206.020 Definitions.

The following definitions shall be applicable to this chapter:
A. "Contractor" shall mean any person, firm, corporation, partnership, or combination thereof, which submits a bid or proposal or enters into a contract or agreement with the County.
B. "County" shall mean the county of Los Angeles or any public entities for which the Board of Supervisors is the governing body.
C. "County Property Taxes" shall mean any property tax obligation on the County's secured or unsecured roll; except for tax obligations on the secured roll with respect to property held by a Contractor in a trust or fiduciary capacity or otherwise not beneficially owned by the Contractor.
D. "Department" shall mean the County department, entity, or organization responsible for the solicitation and/or administration of the contract.
E. "Default" shall mean any property tax obligation on the secured roll that has been deemed defaulted by operation of law pursuant to California Revenue and Taxation Code section 3436; or any property tax obligation on the unsecured roll that remains unpaid on the applicable delinquency date pursuant to California Revenue and Taxation Code section 2922; except for any property tax obligation dispute pending before the Assessment Appeals Board.
F. "Solicitation" shall mean the County's process to obtain bids or proposals for goods and services.
G. "Treasurer-Tax Collector" shall mean the Treasurer and Tax Collector of the County of Los Angeles. (Ord. No. 2009-0026 § 1 (part), 2009.)

2.206.030 Applicability.

This chapter shall apply to all solicitations issued 60 days after the effective date of the ordinance codified in this chapter. This chapter shall also apply to all new, renewed, extended, and/or amended contracts entered into 60 days after the effective date of the ordinance codified in this chapter. (Ord. No. 2009-0026 § 1 (part), 2009.)

2.206.040 Required solicitation and contract language.

All solicitations and all new, renewed, extended, and/or amended contracts shall contain language which:
A. Requires any Contractor to keep County Property Taxes out of Default status at all times during the term of an awarded contract;
B. Provides that the failure of the Contractor to comply with the provisions in this chapter may prevent the Contractor from being awarded a new contract; and
C. Provides that the failure of the Contractor to comply with the provisions in this chapter may constitute a material breach of an existing contract, and failure to cure the breach within 10 days of notice by the County by paying the outstanding County Property Tax or making payments in a manner agreed to and approved by the Treasurer-Tax Collector, may subject the contract to suspension and/or termination. (Ord. No. 2009-0026 § 1 (part), 2009.)

2.206.050 Administration and compliance certification.

A. The Treasurer-Tax Collector shall be responsible for the administration of this chapter. The Treasurer-Tax Collector shall, with the assistance of the Chief Executive Officer, Director of Internal Services, and County

Counsel, issue written instructions on the implementation and ongoing administration of this chapter. Such instructions may provide for the delegation of functions to other departments.

B. Contractor shall be required to certify, at the time of submitting any bid or proposal to the County, or entering into any new contract, or renewal, extension or amendment of an existing contract with the County, that it is in compliance with this chapter is not in Default on any County Property Taxes or is current in payments due under any approved payment arrangement. (Ord. No. 2009-0026 § 1 (part), 2009.)

2.206.060 Exclusions/Exemptions.

A. This chapter shall not apply to the following contracts:
1. Chief Executive Office delegated authority agreements under $50,000;
2. A contract where federal or state law or a condition of a federal or state program mandates the use of a particular contractor;
3. A purchase made through a state or federal contract;
4. A contract where state or federal monies are used to fund service related programs, including but not limited to voucher programs, foster care, or other social programs that provide immediate direct assistance;
5. Purchase orders under a master agreement, where the Contractor was certified at the time the master agreement was entered into and at any subsequent renewal, extension and/or amendment to the master agreement.
6. Purchase orders issued by Internal Services Department under $100,000 that is not the result of a competitive bidding process.
7. Program agreements that utilize Board of Supervisors' discretionary funds;
8. National contracts established for the purchase of equipment and supplies for and by the National Association of Counties, U.S. Communities Government Purchasing Alliance, or any similar related group purchasing organization;
9. A monopoly purchase that is exclusive and proprietary to a specific manufacturer, distributor, reseller, and must match and inter-member with existing supplies, equipment or systems maintained by the county pursuant to the Los Angeles Purchasing Policy and Procedures Manual, section P-3700 or a successor provision;
10. A revolving fund (petty cash) purchase pursuant to the Los Angeles County Fiscal Manual, section 4.6.0 or a successor provision;
11. A purchase card purchase pursuant to the Los Angeles County Purchasing Policy and Procedures Manual, section P-2810 or a successor provision;
12. A non-agreement purchase worth a value of less than $5,000 pursuant to the Los Angeles County Purchasing Policy and Procedures Manual, section A-0300 or a successor provision; or
13. A bona fide emergency purchase pursuant to the Los Angeles County Purchasing Policy and Procedures Manual section P-0900 or a successor provision;
14. Other contracts for mission critical goods and/or services where the Board of Supervisors determines that an exemption is justified.
B. Other laws. This chapter shall not be interpreted or applied to any Contractor in a manner inconsistent with the laws of the United States or California. (Ord. No. 2009-0026 § 1 (part), 2009.)

2.206.070 Enforcement and remedies.

A. The information furnished by each Contractor certifying that it is in compliance with this chapter shall be under penalty of perjury.
B. No Contractor shall willfully and knowingly make a false statement certifying compliance with this chapter for the purpose of obtaining or retaining a County contract.
C. For Contractor's violation of any provision of this chapter, the County department head responsible for administering the contract may do one or more of the following:
1. Recommend to the Board of Supervisors the termination of the contract; and/or,
2. Pursuant to chapter 2.202, seek the debarment of the contractor; and/or,
3. Recommend to the Board of Supervisors that an exemption is justified pursuant to Section 2.206.060.A.14 of this chapter or payment deferral as provided pursuant to the California Revenue and Taxation Code. (Ord. No. 2009-0026 § 1 (part), 2009.)

2.206.080 Severability.

If any provision of this chapter is found invalid by a court of competent jurisdiction, the remaining provisions shall remain in full force and effect. (Ord. No. 2009-0026 § 1 (part), 2009.)

Added Under Amendment Number 1

EXHIBIT M

CONTRACTOR'S CERTIFICATION OF COMPLIANCE WITH THE COUNTY'S DEFAULTED PROPERTY TAX REDUCTION PROGRAM

Company Name: M.C. Dean, Inc.		
Company Address: 4200 Wisconsin Avenue, Suite 200		
City: Washington D.C.	State: D.C.	Zip Code: 20016
Telephone Number: 213 346-9422 Email address: Eugene.Rae@mcdean.com		
Contract for National Operations Center Connectivity Project (NOC)		

Contractor certifies that:

☑ It is familiar with the terms of the County of Los Angeles Defaulted Property Tax Reduction Program, Los Angeles County Code Chapter 2.206; **AND**

To the best of its knowledge, after a reasonable inquiry, the Contractor is not in default, as that term is defined in Los Angeles County Code Section 2.206.020.E, on any Los Angeles County property tax obligation; **AND**

The Contractor agrees to comply with the County's Defaulted Property Tax Reduction Program during the term of any awarded contract.

- OR -

☐ Contractor is exempt from the County of Los Angeles Defaulted Property Tax Reduction Program, pursuant to Los Angeles County Code Section 2.206.060, for the following reason:

_____

_____

I declare under penalty of perjury under the laws of the State of California that the information stated above is true and correct.

Print Name: JAMES BRABHAM	Title: VP, GENERAL MANAGER, ISE DIVISION
Signature:	Date: 6/14/10

Date: _____

CIO ANALYSIS

AMENDMENT ONE TO AGREEMENT NUMBER 76852 WITH M.C. DEAN, INCORPORATED FOR THE IMPLEMENTATION OF PHASES III AND IV OF THE NATIONAL OPERATIONS CENTER CONNECTIVITY SYSTEM FOR THE COUNTY EMERGENCY OPERATIONS CENTER

CIO RECOMMENDATION: ☒ APPROVE ☐ APPROVE WITH MODIFICATION ☐ DISAPPROVE

Contract Type:
☐ New Contract ☒ Contract Amendment ☐ Contract Extension
☐ Sole Source Contract ☐ Hardware Acquisition ☐ Other

New/Revised Contract Term: Base Term: N/A # of Options N/A

Contract Components:
☒ Software ☒ Hardware ☒ Telecommunications
☒ Professional Services

Project Executive Sponsor: Chief David R. Betkey

Budget Information :

Y-T-D Contract Expenditures	$ 2,700,000
Requested Contract Amount	$ 1,285,000
Aggregate Contract Amount	$ 3,985,000

Project Background:

Yes	No	Question
☐	☒	Is this project legislatively mandated?
☒	☐	Is this project subvented? If yes, what percentage is offset? 100% of the funding for this Agreement is provided by a grant provide by the Urban Area Security Initiative (UASI) through the California Office of Homeland Security.
☒	☐	Is this project/application applicable to (shared use or interfaced) other departments? If yes, name the other department(s) involved. The Sheriff's Department intends to use the proposed solution in gathering tactical information from mobile command centers and mobile units during disaster planning and response.

Strategic Alignment:

Yes	No	Question
☒	☐	Is this project in alignment with the County of Los Angeles Strategic Plan? The services provided in this Agreement are in support of the County's Strategic Goal 1 – Operational Effectiveness and Goal 5 – Public Safety.
☐	☒	Is this project consistent with the currently approved Department Business Automation Plan? This project was not identified in the Sheriff's Business Automation Plan. The CIO will work with the Sheriff to ensure that the project is included in their FY 2009-10 Business Automation Plan.

Yes	No	Question
☒	☐	Does the project's technology solution comply with County of Los Angeles IT Directions Document? The proposed solution is a highly specialized set of applications that incorporates hardware and software technologies implemented at the National Operations Center (NOC) and is compliant with the County's Strategic IT Directions Document.
☐	☒	Does the project technology solution comply with preferred County of Los Angeles IT Standards? The technology used by NOC is highly specialized and proprietary and is utilized specifically for providing real-time situational awareness to coordinate tactical responses in the event of an emergency or disaster.
☒	☐	This contract and/or project and its milestone deliverables must be entered into the Information Technology Tracking System (ITTS).

Project/Contract Description:

The Sheriff's Department is requesting approval of Amendment One to Agreement Number 76852 with M.C. Dean, Incorporated (M.C. Dean) to:

- Conduct a site survey and operational analysis for an upgrade to the incident management information capabilities at the County Emergency Operations Center (CEOC), Sheriff's Departmental Operational Center (DOC), and the Joint Regional Intelligence Center (JRIC); and

- Perform infrastructure upgrades and implement the Information Awareness and Sharing Tool Suite at JRIC, as well as facilitate the development of a Technical Integration Concept between CEOC, DOC, JRIC, other intra-regional, inter-regional, and Federal agencies.

The proposed Amendment increases the Agreement's maximum contract sum by $1,285,000 to $3,985,000.

Background:

The Board approved a sole source Agreement Number 76852 with M.C. Dean on December 2, 2008, to perform a site survey of the CEOC and DOC and to implement information awareness and sharing operational needs to link up with the NOC. The work under this Agreement has been completed and the Sheriff's Department is requesting approval of this Amendment to expand project scope to extend the network connectivity and technologies to JRIC.

Project Justification/Benefits:

The Amendment will allow M.C. Dean to extend network connectivity already established between CEOC, DOC, and NOC to include JRIC.

Project Metrics:

The Agreement clearly identifies the service levels and system performance metrics to be provided by the Contractor.

Impact On Service Delivery Or Department Operations, If Proposal Is Not Approved:

This Amendment, if not approved, will cause LASD to be unable to leverage NOC technologies in coordinating its response to emergencies or disasters.

Alternatives Considered:

No alternatives currently exist that would provide the same solution.

Project Risks:

Having successfully completed the first two phases of the project, there are minimal risks associated with these next two phases of this project.

Risk Mitigation Measures:

A Performance Bond for the full Amendment amount as described in the contract's Exhibit C – Price Schedule, will be established. The Performance Bond will only be released by the Sheriff's Department upon final acceptance of the project.

Additionally, a Phase Acceptance has been included with a Final System Acceptance when all deliverables have been fully tested and accepted.

The County's Chief Information Security Officer has reviewed the proposed Amendment and did not identify any risks or issues.

Financial Analysis:

The Amendment increase amount of $1,285,000 is 100% funded by a UASI grant administered by the California Office of Homeland Security. There is no Net County Cost.

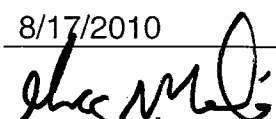
CIO Concerns:

None.

CIO Recommendations:

My Office supports this action and recommends approval by the Board.

CIO APPROVAL

Date Received:	8/2/2010
Prepared by:	Peter Loo
Date:	8/17/2010
Approved:	
Date:	8/18/2010