



Contract Number

20-876 A-1

SAP Number

4400014888

Assessor-Recorder-County Clerk

Department Contract Representative	Holly Effiom, Business Systems Analyst III
Telephone Number	(909) 386-8691
Contractor	Array Information Technology, Inc.
Contractor Representative	Sumeet Shrivatava, CEO
Telephone Number	(703) 405-8502
Contract Term	9/15/2020 through 6/30/2025
Original Contract Amount	\$22,925,105.96
Amendment Amount	\$0
Total Contract Amount	\$22,925,105.96
Cost Center	3119992756

IT IS HEREBY AGREED AS FOLLOWS:

AMENDMENT NO. 1

It is hereby agreed to amend Contract No. 20-876, effective July 13, 2021, as follows:

NOW, THEREFORE, the County and Consultant mutually agree to the following terms and conditions:

F. FISCAL PROVISIONS

Amend Paragraph F.2 – Fiscal Provisions to read as follows:

- F.2** Consultant's Milestone Payment Schedule (Exhibit B) sets out the Consultant's estimate of the cost (including wages) of completing the Statement of Work.

Applicable Services	Amount	Fiscal Year
System Integration Services - Items 1, 2, and 3	\$8,129,815.40	FY20-21
System Integration Services, Enhancements, and Support - Items 1, 2, 3, 4, and 5, and Tier 3 Support	\$9,587,307.22	FY21-22
Enhancements and Support- Tier 3 Support and Items 4-12	\$4,363,065.85	FY22-23
Enhancements and Support- Tier 3 Support and Items 7,10-13	\$546,576.49	FY23-24
Support- Tier 3 Support	\$298,341.00	FY24-25
Total	\$22,925,105.96	

The Cost Proposal was used to determine the reasonableness of the cost of Consultant's proposal and is further used to define progress payments to Consultant and in making payment to Consultant in the event of the termination of the Contract prior to the completion of all items of work. Consultant is not entitled to any additional compensation by virtue of its costs (including wages) for any item of work exceeding the cost set forth in its Cost Proposal, including excess costs related to delays in completion of the Project. Payment shall be made on a percent of task completed to the County's satisfaction pursuant to Exhibit B.

EXHIBIT A: STATEMENT OF WORK

Amend Exhibit A No. 13 – Statement of Work: Mobile Solutions to read as follows:

13. Mobile solutions. Provide a solution that optimizes the use of existing mobile technologies and provides:
- Mobile friendly features, such as:
 - Ability to fill out and print electronic building records, and
 - Perform low value valuations (similar to Excel Tools) and create value estimates.

EXHIBIT B: ARRAY FIRM-FIXED-PRICE PROPOSAL

Amend Exhibit B – Array Firm-Fixed-Price Proposal to read as follows:

EXHIBIT B – PRICE PROPOSAL

ITEM#	DESCRIPTION OF SERVICES	Unit of Measure	Firm Fixed Price (FFP)	Tier 3 36-month cost
1	Initial Replatform and Refactor, per EXHIBIT I-A.1	Job	\$14,034,290	\$1,281,374
2	Appraisal/Mass Appraisal Solution, per EXHIBIT I-A.2	Job	\$1,285,440	
3	Workflow enhancement and expansion, per EXHIBIT I-A.3	Job	\$447,973	

ITEM#	DESCRIPTION OF SERVICES	Unit of Measure	Firm Fixed Price (FFP)	
4	Database Enhancement, per EXHIBIT I-A.4	Job	\$237,837	
5	User Interface enhancement, per EXHIBIT I-A.5	Job	\$2,566,505	
6	Enhanced Reporting solutions, per EXHIBIT I-A.6	Job	\$226,286	
7	Personal Property Appraisal and Audit solution, per EXHIBIT I-A.7	Job	\$841,323	
8	Appeals information capture, per EXHIBIT I-A.8	Job	\$0	
9	Building Permit Information capture, per EXHIBIT I-A.9	Job	\$0	
10	Content Management solution, per EXHIBIT I-A.10	Job	\$638,613	
11	Implement current GIS technologies into Assessor processes, per EXHIBIT I-A.11	Job	\$638,558	
12	Automation of external information import and extract processes, per EXHIBIT I-A.12	Job	\$638,613	
13	Mobile solutions, per EXHIBIT I-A.13	Job	\$88,294	

Enhancement Totals
Enhancements Items 4-13 \$5,876,029

Fixed Price Item 1-3	\$15,767,703
Enhancements 4-13 (18 months)	\$5,876,029
Tier 3 - 36 months	\$1,281,374
Total Cost	\$22,925,106

EXHIBIT B – MILESTONE PAYMENT SCHED

Payment Schedule		Azure Environment Initiation	Establish Contracts, Agreements	Deliver GIT Source, Executable Repositories	Deliver Dev&Ops Environment	Deliver Prod, Dev, Test, First look	#1 Transformation/Cloud Migration modPIMS Code Conversion	Documentation and Planning	Complete set up: COBOL, JCL, VB6	Deliver Application Blueprints: COBOL, JCL, VB6	2-day Target Arch Design Transform Wisp (TSRI HQ)	1-day Target Arch Design Transform Wisp (TSRI HQ)	Conversion of Thick Client-COBOL to C#/.Net Core	Test Telemetry (COBOL)	Baseline Transformation Blueprints	Transformation to Compile Spiral 1	Transformation to Compile Spiral 2	Transformation to Compile Spiral 3	Automated Refactoring	Conversion to Thick-Client (JCL to Python)	Baseline Transform Blueprints	Transform-Compile Spiral 2	Transform-Compile Spiral 3	Conversion to Thick-client (VB6 to C#, WebRDP)	Baseline Transformation Blueprints	Transform-Compile Spiral 3	Transform-Compile Spiral 4	Transformation to Compile Spiral 5	Transformation to Compile Spiral 6	Transformation to Compile Spiral 7	Transformation to Compile Spiral 8	Transformation to Compile Spiral 9	Transformation to Compile Spiral 10	Transformation to Compile Spiral 11	Transformation to Compile Spiral 12	Conversion to Thick-Client (DB2 to MSSQL)	Setup Tables	Fields/Elements	Cloud Enable	Cloud Enable - COBOL & JCL	VB6 RDP Cloud Enablement							
Month 1	X	X	X	X	X		X	X	X	X	X	X	X	X	X																																	
Month 2	X	X	X	X	X											X																																
Month 3	X	X	X	X													X																															
Month 4							X										X																															
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Technical Milestone Descriptions

Amend Technical Milestone Descriptions, Project Milestones, Epic One – Infrastructure – modPIMS Code Conversion and Cloud Migration (Item 1), Phase 1 – Software Code Transformation to read as follows:

PHASE 1 – Software Code Transformation:

- A. Conversion to Thick-Client – Code Conversion from Cobol to C#/.NET core.
 - 1. Test Telemetry,
 - 2. Baseline Transformation Blueprints.
- B. Transformation to Compile Spiral 1 commences and runs for 30-days. Code is transformed from Cobol to C# in increments, completed, and delivered at the end of the Spiral run cycle.
- C. Transformation to Compile Spiral 2 commences at the completion of Transformation to Compile Spiral 1 and runs for 30-days. Code is transformed from Cobol to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- D. Transformation to Compile Spiral 3 commences at the completion of Transformation to Compile Spiral 2 and runs for 30-days. Code is transformed from Cobol to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- E. Automated Refactoring This is to be delivered at the end of the 30-day run cycle.
- F. Conversion to Thick Client – Code Conversion JCL to Python
 - 1. Creation of Baseline Transformation Blueprints
- G. Transformation to Compile Spiral 2 commences at the completion of creation of the Baseline Transformation Blueprints and runs for 30-days. Code is transformed from JCL to Python in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- H. Transformation to Compile Spiral 3 commences at the completion of Transformation to Compile Spiral 2 and runs for 30-days. Code is transformed from JCL to Python in increments, completed, and delivered at the end of the 30-day Spiral run cycle. ARRAY shall invoice for the delivered Milestone on Date of Award to end of Month 4.
- I. Conversion to Thick Client – Code Conversion VB6 to C# - Thick Client Running in a Web RDP – which includes the following milestones:
 - 1. Creation of Baseline Transformation Blueprints
- J. Transformation to Compile Spiral 3 commences at the completion of Transformation to Compile Spiral 2 and runs for 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- K. Transformation to Compile Spiral 4 commences at the completion of Transformation to Compile Spiral 3 and runs for 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- L. Transformation to Compile Spiral 5 commences at the completion of Transformation to Compile Spiral 4 and runs for 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the Spiral run cycle at the end of the 30-day run cycle. ARRAY shall invoice for the delivered Milestone on Date of Award to end of Month 6.
- M. Transformation to Compile Spiral 6 commences at the completion of Transformation to Compile Spiral 5 and runs for 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.

- N. Transformation to Compile Spiral 7 commences at the completion of Transformation to Compile Spiral 6 and runs for 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- O. Transformation to Compile Spiral 8 commences at the completion of Transformation to Compile Spiral 7 and runs 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- P. Transformation to Compile Spiral 9 commences at the completion of Transformation to Compile Spiral 8 and runs 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- Q. Transformation to Compile Spiral 10 commences at the completion of Transformation to Compile Spiral 9 and runs 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- R. Transformation to Compile Spiral 11 commences at the completion of Transformation to Compile Spiral 10 and runs 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- S. Transformation to Compile Spiral 12 commences at the completion of Transformation to Compile Spiral 11 and runs 30-days. Code is transformed from VB6 to C# in increments, completed, and delivered at the end of the 30-day Spiral run cycle.
- T. Conversion to Thick Client – Database Transformation – DB2 to MS SQL server – which includes Set-Up, Tables, Fields/Elements and will be completed with the first 30-days of start-up and delivered at the end of Month 1.

Assumptions, Dependencies, and Risks

Amend Assumptions, Dependency, and Risk Items No. 3 to read as follows:

- 3. The Firm-Fixed-Price is divided into three sections:
 - EXHIBIT A.1-3, including modPIMS Code Conversion, an Appraisal and Mass Appraisal solution, and Workflow Enhancement with Firm-Fixed-Price of \$15,767,703; and
 - EXHIBIT A.4-13, with proposed Firm-Fixed-Price of \$5,876,029.
 - Tier 3 Engineering Support, with proposed Firm-Fixed-Price of \$1,281,374.

All other terms and conditions of Contract No. 20-876 remain in full force and effect.

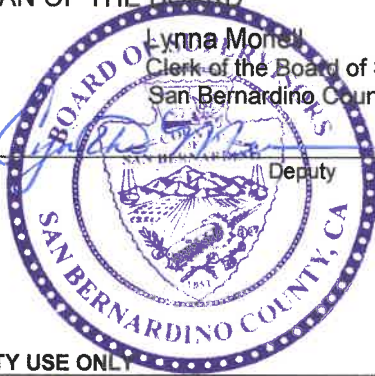
IN WITNESS WHEREOF, San Bernardino County and the Contractor have each caused this Contract amendment to be subscribed by its respective duly authorized officers, on its behalf.

SAN BERNARDINO COUNTY

▶ *Curt Hagman*
Curt Hagman, Chairman, Board of Supervisors

Dated: JUL 13 2021
SIGNED AND CERTIFIED THAT A COPY OF THIS DOCUMENT HAS BEEN DELIVERED TO THE CHAIRMAN OF THE BOARD

By *Lynna Monell*
Lynna Monell
Clerk of the Board of Supervisors
San Bernardino County
Deputy



Array Information Technology, Inc.
(Print or type name of corporation, company, contractor, etc.)

By ▶ *Robert Deegan*
(Authorized signature - sign in blue ink)

Name Robert Deegan
(Print or type name of person signing contract)

Title SRVP/CFO
(Print or Type)

Dated: 17 Jun 2021

Address 7474 Greenway Center Dr. Ste 600
Greenbelt, MD 20770

FOR COUNTY USE ONLY

Approved as to Legal Form
▶ *Kristina M. Robb*
Kristina M. Robb, Supervising Deputy County Counsel
Date 6/22/21

Reviewed for Contract Compliance
▶ _____
Date _____

Reviewed/Approved by Department
▶ *Bob Dutton*
Bob Dutton, Assessor-Recorder-County Clerk
Date 6/21/21