

AMENDMENT NO. 1
RFP NO. 605519-19
VEGETATION MAP FOR CLARK COUNTY

THIS AMENDMENT is made and entered into this ____ day of _____ 2022, by and between CLARK COUNTY, NEVADA (hereinafter referred to as "COUNTY"), and COGAN TECHNOLOGY, INC. (hereinafter referred to as "CONSULTANT").

WITNESSETH:

WHEREAS the parties entered into an agreement under RFP Number 605519-19, entitled "Vegetation Map for Clark County" dated July 8, 2020 (hereinafter referred to as CONTRACT); and

WHEREAS the parties desire to amend the CONTRACT.

NOW, THEREFORE, the parties agree to amend the CONTRACT as follows:

1. Page 1, Paragraph 3, originally written:

"WHEREAS, CONSULTANT has the personnel and resources necessary to accomplish the PROJECT within the required schedule and with a budget allowance not to exceed \$499,238.26, including all travel, lodging, meals, and miscellaneous expenses; and"

Revised to read:

"WHEREAS, CONSULTANT has the personnel and resources necessary to accomplish the PROJECT within the required schedule and with a budget allowance not to exceed \$1,105,542.10, including all travel, lodging, meals, and miscellaneous expenses; and"

2. Page 1, Section II: Compensation and Terms of Payment, Paragraph A, 1st sentence originally written:

"COUNTY agrees to pay CONSULTANT for the performance of services in Exhibit A, Scope of Work for the not to exceed amount of \$499,238.26."

Revised to read:

"COUNTY agrees to pay CONSULTANT for the performance of services in Exhibit A, Scope of Work for the not to exceed amount of \$1,105,542.10."

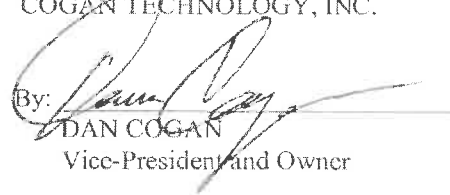
3. Exhibit A, Scope of Work, pages A-1 through A-7 are deleted in their entirety and replaced with pages Revised A-1 through A-8 attached to this Amendment No. 1.
4. Appendix 1, Milestone/Deliverable/Invoicing Schedule Table, pages A-8 through A-10 and Appendix 1 pages 1 and 2 are deleted in their entirety and replaced with pages Revised 1-1 through 1-4 attached to this Amendment No. 1.

Except as expressly amended herein, the terms and conditions of the CONTRACT shall remain in full force and effect.

COUNTY:
COUNTY OF CLARK, NEVADA

CONSULTANT:
COGAN TECHNOLOGY, INC.

By: _____
JESSICA COLVIN
Chief Financial Officer

By:  _____
DAN COGAN
Vice-President and Owner

APPROVED AS TO FORM:
STEVEN B. WOLFSON, District Attorney

By: *Elizabeth Vibert*
[Elizabeth Vibert \(Jun 6, 2022 17:17 PDT\)](#)
ELIZABETH VIBERT
Deputy District Attorney

**RFP NO. 605519-19
EXHIBIT A
SCOPE OF WORK
REVISED PER AMENDMENT NO. 1**

A. PROJECT TITLE: Vegetation Map for Clark County

B. PROJECT NUMBER: 2019-COGAN-1965A

C. PROJECT OVERVIEW: The Clark County Desert Conservation Program (COUNTY) manages Endangered Species Act compliance on behalf of Clark County and the cities of Boulder City, Henderson, Las Vegas, North Las Vegas, Mesquite, and the Nevada Department of Transportation (collectively, the Permittees) through implementation of the Clark County Multiple Species Habitat Conservation Plan (MSHCP) and associated Section 10(a)(1)(B) incidental take permit. As administrator of the MSHCP, COUNTY is required to monitor habitat loss and conduct a wide range of analyses to support the goals of the program. In order to achieve these goals, a baseline Vegetation Map dataset must be developed for inventory, monitoring, research, and other activities in support of the program. The County Ecosystem Map has been used in order to accomplish these goals. This map was originally developed based on the 1996 USGS-GAP land cover data, with mesquite and acacia area updates from the Bureau of Land Management in 1997 (Clark County 2000). In 2011 the map was updated using the SWReGAP dataset, further refining the 11 defined ecosystems (Heaton, et al. 2011). A copy of the report associated with the 2011 update is available online at <http://bit.ly/2VtfwpV>.

Changes have occurred to the vegetation along with improvements to the spatial data standards and methods. In order to manage resources and effectively plan land use, there is a need for accurate and up-to-date vegetation maps. Therefore, COUNTY is seeking a qualified CONSULTANT to prepare an update to the current spatial vegetation dataset. In order to accomplish this, CONSULTANT will assist COUNTY with reviewing existing datasets; developing a proposed approach to completing the updated map product, including developing a vegetation sampling design; and conducting vegetation sampling to inform the spatial dataset, perform an accuracy assessment of the map product, and to further refine the map. The full project area will cover a total of 4,185,089 acres within Clark County, NV.

COUNTY may choose to complete the project in phases, depending on budget availability and COUNTY priority. To accomplish this, COUNTY has split up the total project area into 3 phases. The three phases are generally described below.

- Phase 1 Area: Approximately the proposed reserve system, river corridors, and proposed impact areas
 - ± 1,483,710 Total acres
 - ± 287,790 Acres of previously disturbed land
- Phase 2 Area: Approximately the county lands under 4,000 feet elevation
 - ± 1,149,819 Total acres
 - ± 12,687 Acres of previously disturbed land
- Phase 3 Area: All remaining lands in Clark County (exclusive of lands administered by Department of Defense and Lake Mead National Recreation Area)
 - ± 1,551,560 Total acres
 - ± 783 Acres of previously disturbed land
 - ± 282,508 Acres of previously classified vegetation delineation that shall be brought to the same data standards or reclassified from scratch.

In order to facilitate efficient project tracing and completion, these phases have been split into 22 work zones (Appendix 2, Map 4). COUNTY chose to perform Option 3 based on the Original Request for Proposals for this project and any references to those options in this Scope of Work shall be utilized only in reference to Option 3.

D. PROJECT LOCATION(S):

Study locations will be as follows: Clark County, Nevada.

E. PROJECT GOALS AND OBJECTIVES:

Project Goal(s):

- Produce an updated, course-scale (USNVC Group Level or better vector) spatial vegetation dataset for Clark County.

The project goal(s) shall be accomplished by completing the following objectives:

- New and existing remote sensing data review
- Work Plan and Data Management Plan Development
- Review existing U.S. National Vegetation Classification (USNVC) Taxonomic Classifications
- Develop new classification definitions if necessary
- Develop the initial map product
- Field verification to assess accuracy

F. PROJECT METHODS:

New and Existing Remote Sensing Data Review.

Existing maps, GIS datasets, aerial and satellite imagery, and reports shall be obtained and reviewed from various sources. COUNTY will provide county-owned datasets to the selected CONSULTANT following contract award. CONSULTANT shall be responsible for obtaining and reviewing datasets from outside agencies, but COUNTY may provide assistance with agency coordination as needed. CONSULTANT shall submit all obtained datasets used for development of this product to COUNTY. CONSULTANT shall also identify data gaps where a required dataset does not have adequate coverage for all land in Clark County (exclusive of lands administered by Department of Defense). Data may need to be purchased or leased to fill these gaps. When licensing allows, newly acquired data shall be transferred to COUNTY. Other vegetation classifications and delineations that have been completed within Clark County will also be identified and obtained.

Work Plan and Data Management Plan

This plan shall identify specific actions needed to achieve the goals of this project. This plan shall also identify roles and responsibilities for key team members and shall detail project coordination, methods, project schedule, and resources necessary for completion of the project. Work plan guidance can be found on the following link: <http://bit.ly/2Rt0e5p>. This document shall also describe data management protocols for the project. Data management guidelines can be found on the following link: <http://bit.ly/2AuJ0Li>. The Work Plan and Data Management Plan for this project may be combined into a single document.

The Work Plan shall also detail the field methodology that will be implemented for sampling. Field sampling will occur during both the development of the final product as well as during the accuracy assessment portions of the project. Data sheets and/or data dictionaries will be developed by CONSULTANT for field data collection and shall be included in the Data Management Plan.

The Data Management Plan shall include all formulas, data dictionaries, domains, and database relationships that will be used in the course of the project. The Data Management Plan shall specify that spatial data must be in an ArcGIS compatible format, have the associated metadata, and specify the standard that will be utilized for the metadata.

The project area has been split into 22 work zones, and this plan will detail when these work zones will be completed for the coarse level mapping and the fine level mapping portions of the project.

Review existing USNVCS Taxonomic Classifications and Delineations

Existing USNVCS vegetation delineations and classification products will be reviewed and compiled. Existing taxonomic classes will be evaluated for their suitability for incorporation into this product. Areas that have USNVC classifications completed within the last 5 years and have adequate quality standards have been excluded from this project area. As of September 2019, three USNVC products are known to be complete in portions of the County, one (1) area will be excluded, and two (2) areas will be reviewed for inclusion in the final product. These maps and classifications are listed as follows:

Existing previously classified area excluded from this project area.

1. *Vegetation Inventory and Map for Lake Mead National Recreation Area* (2016)
 - a. <https://www.nps.gov/im/vmi-lake.htm>

Existing previously classified area to be reviewed for inclusion in the final product.

1. *Spring Mountain National Recreation Area Vegetation Types* was completed and will need to be evaluated, updated, and standardized for inclusion into the project. (2007)

- a. https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fsm9_026590.pdf
2. *Land Cover Types of the Las Vegas Wash, Nevada*, was completed and will need to be evaluated, updated, and standardized for inclusion into the project. (2008)
 - a. https://www.lvwash.org/assets/pdf/resources_ecoresearch_landcover.pdf

The following USNVCS levels will be used for the final product:

- a. Minimum required classification levels:
 - Natural vegetation: Formation Class - Alliance level
 - Cultural vegetation: Level 1 (Cultural Class) - Level 4 (cultural subformation)

Field Data Collection

Field data collection will occur at various points in the project and all data collected during the previous quarter will be submitted to COUNTY on a quarterly basis.

Develop Map Product

The mapping product shall comply with standards set forth by the USNVC. Refer to *Guide to the National Vegetation Classification Standard, Version 2* (Federal Geographic Data Committee, 2008).

Vegetation units shall include the USNVC Natural Vegetation Group level or USNVC Cultural Vegetation to Level 2. Any classifications resulting in finer details are at the discretion of CONSULTANT and should be detailed in the Work Plan and Project Report. Data products must meet at least a 30-meter spatial resolution/accuracy. The final product may be either a raster, ESRI Shapefile, or File Geodatabase as detailed in the Work Plan and agreed to by COUNTY.

The mapping shall be completed at the coarse level mapping in preparation for Fine-Level mapping to be completed in a separate contract at a future date. Coarse-level shall be - a USNVC Group level map. This map shall be prepared in a method to facilitate the creation of a Fine-Level map in a separate contract and that will be mapped to the USNVC Alliance Level for natural communities and Level 4 (cultural sub-formation) for developed land. All of these shall be completed using the 22 work zone areas defined in Map 4 in Appendix 2 or other work zones agreed upon by COUNTY project manager.

Develop new classification definitions if necessary.

New definitions or classifications may need to be developed throughout the map development process if alliances are not currently adequately described in existing products. These descriptions will be developed according to the USNVC standards and approved by COUNTY.

Field verification to assess accuracy and refine map product

The accuracy assessment methodology must be detailed in the work plan. The analysis and conclusions of the accuracy assessment shall be included in the Final Project Report and shall describe the accuracy of the final map product based on ground-truth observations. CONSULTANT shall be responsible for coordinating access to sample locations with the appropriate owner or land manager and COUNTY will assist with gaining access when needed; however, any fees associated with access will be the responsibility of CONSULTANT.

The accuracy assessment will require CONSULTANT to ground-truth representative locations of the vegetation classes across the project area. The exact locations will be adjusted once mapping is complete.

The minimum number of accuracy assessment points per Phase area are as follows:

- Total Accuracy Assessment Points: 1503
 - Accuracy Assessment points within Phase 1 Area: 475
 - Accuracy Assessment points within Phase 2 Area: 428
 - Accuracy Assessment points within Phase 3 Area: 600

The accuracy assessment data collection shall begin immediately after Coarse-Level mapping is complete to 90% (1,350 Accuracy Assessment Points) of the points. The final 10% of the Accuracy assessment points and report shall be completed in a contract renewal once the Fine-Scale mapping project is complete.

All vehicle travel must stay on open roads and areas permitted by the owner or land manager.

Project Report

A final project report shall accompany the data product that includes at a minimum:

- Brief background of the project
- Details of the methods used during the development of the product
- Changes from the original work plan
- Vegetation taxonomic classification
- Accuracy assessment summary

G. STAFFING AND EQUIPMENT:

CONSULTANT shall provide three key personnel assigned to this project. A Project Manager, Data Manager, and Lead Botanist will be required, as well as a consultant-defined number of GIS and field staff. The dedicated Project Manager for this project is to be the main point of contact with COUNTY. The CONSULTANT will also provide a Data Manager that is responsible for the QA/QC process and will ensure a clean and functional dataset. The Lead Botanist shall also be identified in the CONSULTANT's proposal; the Lead Botanist shall have the necessary qualifications and experience to ensure the appropriate USNVC classifications are assigned to sample locations and plant communities are accurately identified and located during the project. The number of field crews and make up of those crews shall be specified in the proposal and work plan.

CONSULTANT must supply all required equipment and supplies necessary for the performance of the project.

H. PERMITS & REQUIREMENTS:

All permits will be the responsibility of CONTRACTOR. Any access to non-publically accessible land (e.g., Indian Reservations and private land) must be coordinated with the appropriate agency or landowner, in consultation with COUNTY.

I. DESCRIPTION OF DELIVERABLES AND MILESTONES

The following items will be included into the final Table Deliverable and Milestones in addition to other project deliverables and milestones determined in negotiation. All other deliverables and milestones will be determined through negotiation once a contractor is selected.

1. Contract Award and Mobilization. COUNTY will issue notice of award in writing, and CONSULTANT may begin work.
2. Contract Renewal and Mobilization. COUNTY will issue notice of award in writing, and CONSULTANT may begin work.
3. Project Kick-off Meeting. This meeting shall be conducted in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table. CONSULTANT's Project Manager shall attend.
4. Quarterly Progress Reports. These reports shall be submitted to COUNTY on or before January 5, April 5, July 5, and October 5 of each calendar year for the term of this agreement. The format is provided on the following website: <http://www.clarkcountynv.gov/airquality/dcp/pages/projecthandbook.aspx> document title "DCP Quarterly Report Format".

COUNTY reserves the right to edit these reports for grammar and accuracy for posting to a public website.

5. Draft Work Plan and Data Management Plan. This plan shall identify specific actions needed to complete project milestones and deliverables given the Milestone/Deliverable/Invoicing Schedule Table of this Scope of Work. This plan shall be submitted using the guidelines provided in the Data Management Guidelines located on the following website: <http://www.clarkcountynv.gov/airquality/dcp/pages/projecthandbook.aspx> document title "DCP Data Management Guidelines". This plan will include a description of quality assurance and quality control (QA/QC) procedures for all data.
6. Annual Project Review Presentation. If requested, CONSULTANT shall prepare and present an Annual Project Review Presentation to representatives of the MSHCP's Adaptive Management Program in each year of the

contract term. Dates and locations to be determined by COUNTY. The format for the annual project review presentation is an approximately 20-minute oral presentation that contains the following information:

- a. Title of project,
- b. A brief summary of the project's progress and findings,
- c. A cumulative summary of the project's progress to date, which you may craft using the materials you have already submitted to the Desert Conservation Program in previous quarterly reports, and
- d. A brief summary of the work plan for the remainder of the project, discussing any changes in approach that have been adopted to address issues or barriers to progress.

Copies of all presentation materials will be provided to COUNTY prior to the start of the presentation.

7. Submit Final Report and Deliverables: This report shall be submitted at the completion of the project in the format provided on the following website: <http://www.clarkcountynv.gov/airquality/dcp/pages/projecthandbook.aspx> document title "DCP Final Report Format". This shall include the accompanying spatial and aspatial project data submitted in the format described in the approved Data Management Plan deliverable for this project. Final Project data should include a continuous GIS coverage of the entire project area defined by the option selected by COUNTY. CONSULTANT shall include the table schema and descriptions of each attribute/column that will be associated with any table in the final dataset into an appendix of the final report. CONSULTANT shall also include the entire taxonomic classification as well as descriptions for any new USNVC classifications that were developed over the course of this project, if any.
8. Biennium Progress Summary Report and Final Biennium Progress Summary Report. This report shall be submitted on June 30th of each odd-numbered year and at the completion of the project. The report format is provided on the following website: <http://www.clarkcountynv.gov/airquality/dcp/pages/projecthandbook.aspx> document title "DCP Biennium Summary Report Format".

COUNTY reserves the right to edit these reports for grammar and accuracy for publication in the Biennium Progress Report.

9. Final Project Review Summary Form and Project Claim Release. This deliverable shall be submitted at the completion of the project in the format provided on the following website: <http://www.clarkcountynv.gov/airquality/dcp/pages/projecthandbook.aspx> document title "DCP Final Project Review Summary Format".

Generally, this deliverable is approximately 10% of the total contract amount.

10. Submit Draft Taxonomic Classification This shall be the draft taxonomic classification based on review of other mapping projects in the area.
11. Final Work Plan and Classification. This shall be the final Work Plan and the Final taxonomic classification to be used in the development of the mapping products.
12. Accuracy Assessment Preparation CONTRACTOR shall begin preparing for conducting the Accuracy Assessment.
13. Begin AA Analysis and Draft Report and Deliverables CONTRACTOR shall begin analyzing the data from collected during the Accuracy Assessment and begin writing the Draft Accuracy Report and Deliverables.
14. Begin Accuracy Assessment Fieldwork CONTRACTOR shall begin the Accuracy Assessment Fieldwork in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table.
15. Begin Coarse-Level (Landform) Mapping CONTRACTOR shall begin the Coarse-Level Mapping in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table.
16. Begin Field Verification CONTRACTOR shall begin the Field Verification of the mapping products in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table.
17. Begin Geodatabase Creation CONTRACTOR shall begin the Geodatabase creation process for either the Coarse-Level as appropriate for the stage of the project.

18. Begin GIS Review and Image Acquisition. CONTRACTOR shall start the process of reviewing existing GIS Data and acquire imagery will be required to complete the project in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table.
19. Coarse Level Data: 2 Work zones Submit the data associated with 2 work zones for the Coarse-Level mapping stage.
20. Coarse Level Data: 4 Work zones Submit the data associated with 4 work zones for the Coarse-Level mapping stage, this is in addition to previously completed work zones.
21. End Accuracy Assessment CONTRACTOR shall end the Accuracy Assessment in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table.
22. End Coarse-Level (Landform) Mapping CONTRACTOR shall end the Coarse-Level in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table.
23. Accuracy Assessment Products 225 sites: Submit data collected for 225 Accuracy Assessment site evaluations.
24. End Geodatabase Creation CONTRACTOR shall have completed the Geodatabase in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table.
25. Image Acquisition CONTRACTOR shall finish acquiring imagery required for project completion.
26. Project Close-out. The Project shall be considered entirely complete
27. Project Close-out Meeting This meeting shall be conducted in accordance with the date listed in Appendix 1, Milestone/Deliverable/Invoicing Schedule Table. CONSULTANT's Project Manager shall attend.
28. Submit AA Analysis Results This shall consist of the Accuracy Assessment Analysis Results showing the accuracy of the mapping product.
29. Submit AA Target Sites and Plan. This shall consist of the Accuracy Assessment Target locations and planned timeframe specific to the accuracy assessment fieldwork.
30. Submit Accuracy Assessment Products This shall consist of the Accuracy Assessment products including the report and data associated with the Accuracy Assessment.
31. Submit Coarse-Level Verification Products This shall consist of the Coarse-Level verification products including the report and data associated with verifying the Coarse-Level mapping product.

J. DOCUMENT SUBMITTAL:

All deliverables must be submitted via email to: dcp@clarkcountynv.gov unless otherwise specified in Section I, Project Schedule, Milestones and Deliverables.

Deliverables submitted electronically may not exceed 30MB file size.

If submitting a document in a format other than Microsoft Word, Microsoft Excel, Microsoft PowerPoint, or Adobe Acrobat, CONSULTANT shall contact COUNTY Project Manager to determine if the software is acceptable and if the document can be submitted via email.

All deliverables must be accompanied by a Deliverable Transmittal Form (DTF). CONSULTANT shall complete the Agency/Contractor section' of the DTF. The form may be found at: <http://www.clarkcountynv.gov/airquality/dcp/pages/projecthandbook.aspx> document title "DCP Deliverable Transmittal Form".

If unable to submit deliverables via email, submit them via U.S. mail or commercial courier or parcel service. Please send only one deliverable per disk and ensure that each disk is labeled with the project title and project number listed in this Scope of Work.

Deliverables submitted via U.S. mail or commercial courier, or parcel service shall be mailed to the following address:

Deliverable Monitor, Desert Conservation Program
Clark County Department of Environment and Sustainability
4701 W. Russell Road, Suite 200
Las Vegas, NV 89118

Within thirty (30) calendar days of receipt of a deliverable, COUNTY's representative will approve or reject the deliverable and notify CONSULTANT in writing. If more time is needed for review of deliverables, as in the case of a peer review, COUNTY will notify CONSULTANT in writing and provide an estimated number of days for review. If the deliverable is not approved, the notification will include the reasons for the disapproval, including, but not limited to, the quality and substance of the deliverable based on standard professional practice and applicable terms of this Agreement/Contract. CONSULTANT shall correct the deficiencies and resubmit an acceptable deliverable to COUNTY within ten (10) calendar days for approval, unless otherwise directed by COUNTY. Upon CONSULTANT'S request and justification, COUNTY may grant CONSULTANT more time for corrections. Invoice payment will be withheld pending deliverable approval.

K. INVOICING SCHEDULE AND REQUIREMENTS:

All invoices must be submitted according to the procedures outlined in Section II of the contract. This section provides further clarification on invoicing allowances:

CONSULTANT shall invoice COUNTY *only* upon submission and acceptance of deliverables and completion of milestones and in accordance with the "amount allowed" fee(s) listed in Milestone/Deliverable/Invoicing Schedule Table that will be developed during negotiations prior to final award.

It is the responsibility of CONSULTANT to ensure all deliverables for the invoice period have been delivered and accepted and all milestones have been completed **before submitting an invoice**. CONSULTANT shall cite the deliverable and/or milestone number being invoiced.

COUNTY, at its discretion, may not approve or issue payment on invoices if CONSULTANT fails to provide the following information required on each invoice:

- a. The Title of the Project as stated in this Scope of Work, Project Number, Deliverable and/or Milestone Number being invoiced, Purchase Order Number, the Invoice Date, the Invoice Number, and the Payment Address.
- b. A "BUDGET SUMMARY COMPARISON" sheet, which outlines the total amount CONSULTANT was awarded, the amount expended to date, the current invoice amount, the total expenditures, and the remaining award balance must accompany all invoices. The form may be found at:
<http://www.clarkcountynv.gov/airquality/dcp/pages/projecthandbook.aspx>

Invoices shall be submitted via email to dcp@clarkcountynv.gov, or by United States mail or commercial courier/parcel service addressed as follows:

Sr. Financial Office Specialist, Desert Conservation Program
Clark County Department of Environment and Sustainability
4701 W. Russell Road, Suite 200
Las Vegas, NV 89118

PLEASE DO NOT SEND INVOICES VIA EMAIL **AND** MAIL, please select one submission option or the other and submit invoices only once.

Per NRS 244.250 COUNTY shall not provide payment on any invoice CONSULTANT submits after six (6) months from the date CONSULTANT performs services, provides deliverables, and or meets milestones, as agreed upon in this Scope of Work.

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APPENDIX 1

Milestone/Deliverable/Invoicing Schedule Table

Vegetation Map for Clark County Year 1 - 4

Project Number: 2019-COGAN-1965A

REVISED PER AMENDMENT NO. 1

| Date Due | Deliverable / Milestone # | Deliverable / Milestone Title | Amount Allowed |
|--------------------|----------------------------------|---------------------------------------------------------------------|-----------------------|
| July 1, 2020 | M01 | Contract Award and Mobilization | No Fee Allowed |
| July 31, 2020 | M02 | Project Kick-off Meeting | \$ 5,000.00 |
| August 15, 2020 | D01 | Draft Work Plan and Data Management Plan | \$ 3,600.00 |
| August 15, 2020 | M03 | Begin GIS Review and Image Acquisition | \$ 1,800.00 |
| September 30, 2020 | D02 | Submit Draft Taxonomic Classification | \$ 1,800.00 |
| October 5, 2020 | D03 | Quarterly Progress Report (Project Start – Sept. 30, 2020) | No Fee Allowed |
| December 31, 2020 | M04 | Image Acquisition | \$ 1,800.00 |
| December 31, 2020 | D04 | Final Work Plan and Classification | \$ 2,700.00 |
| January 1, 2021 | M05 | Begin Geodatabase Creation | \$ 4,500.00 |
| January 1, 2021 | M06 | Begin Coarse-Level (Landform) Mapping | \$ 4,500.00 |
| January 1, 2021 | M07 | Begin Field Verification | \$ 4,500.00 |
| January 5, 2021 | D05 | Quarterly Progress Report (Oct. 1, 2020 – Dec. 31, 2020) | No Fee Allowed |
| March 31, 2021 | D06 | Coarse Level Data: 2 Work zones (2 Complete) | \$ 40,000.00 |
| April 5, 2021 | D07 | Quarterly Progress Report (Jan. 1, 2021 – March 31, 2021) | No Fee Allowed |
| June 30, 2021 | D08 | Biennium Progress Summary Report (Project start – June 30, 2021) | No Fee Allowed |
| June 30, 2021 | D09 | Coarse Level Data: 4 Work zones (6 Complete) | \$ 83,600.00 |
| July 5, 2021 | D10 | Quarterly Progress Report (April 1, 2021 – June 30, 2021) | No Fee Allowed |

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APPENDIX 1
Milestone/Deliverable/Invoicing Schedule Table
Vegetation Map for Clark County Year 1 - 4
Project Number: 2019-COGAN-1965A
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| Date Due | Deliverable / Milestone # | Deliverable / Milestone Title | Amount Allowed |
|--------------------|----------------------------------|-------------------------------------------------------------|-----------------------|
| August TBD, 2021 | M08 | 2021 Annual Project Review Presentation (if Requested) | \$ 0.00 |
| September 30, 2021 | D11 | Coarse Level Data: 4 Work zones (10 Complete) | \$ 68,600.00 |
| October 5, 2021 | D12 | Quarterly Progress Report (July. 1, 2021 – Sept. 30, 2021) | No Fee Allowed |
| December 31, 2021 | D13 | Coarse Level Data: 4 Work zones (14 Complete) | \$ 68,600.00 |
| January 5, 2022 | D14 | Quarterly Progress Report (Oct. 1, 2021 – Dec. 31, 2021) | No Fee Allowed |
| March 31, 2022 | D15 | Coarse Level Data: 4 Work zones (18 Complete) | \$ 68,600.00 |
| April 5, 2022 | D16 | Quarterly Progress Report (Jan. 1, 2022 – March 31, 2022) | No Fee Allowed |
| July 5, 2022 | D17 | Quarterly Progress Report (April. 1, 2022 – June 30, 2022) | No Fee Allowed |
| July 30, 2022 | D18 | Coarse Level Data: 4 Work zones (22 Complete) | \$ 68,600.00 |
| July 30, 2022 | D19 | Submit Coarse-Level Verification Products | \$ 11,700.00 |
| July 30,2022 | M09 | End Coarse-Level (Landform) Mapping | \$ 9,500.00 |
| August 1, 2022 | M10 | Accuracy Assessment Preparation | \$23,000.00 |
| August TBD, 2022 | M11 | 2022 Annual Project Review Presentation (if Requested) | No Fee Allowed |
| September 30, 2022 | D20 | Submit AA Target Sites and Plan | \$19,000.00 |
| October 1, 2022 | M12 | Begin Accuracy Assessment Fieldwork | \$22,500.00 |
| October 5, 2022 | D21 | Quarterly Progress Report (July 1, 2022 – Sept. 31, 2021) | No Fee Allowed |
| January 1, 2023 | D22 | Accuracy Assessment Products 225 sites (225 sites complete) | \$46,000.00 |
| January 5, 2023 | D23 | Quarterly Progress Report (Oct. 1, 2022 – Dec. 31, 2022) | No Fee Allowed |
| April 1, 2023 | D24 | Accuracy Assessment Products 225 sites (450 sites complete) | \$46,000.00 |

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APPENDIX 1
Milestone/Deliverable/Invoicing Schedule Table
Vegetation Map for Clark County **Year 1 - 4**
Project Number: 2019-COGAN-1965A
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| Date Due | Deliverable / Milestone # | Deliverable / Milestone Title | Amount Allowed |
|---------------------------------------|----------------------------------|--------------------------------------------------------------|-----------------------|
| April 5, 2023 | D25 | Quarterly Progress Report (Jan. 1, 2023 – March 31, 2023) | No Fee Allowed |
| June 30, 2023 | D26 | Biennium Progress Summary Report | No Fee Allowed |
| July 1, 2023 | D27 | Accuracy Assessment Products 225 sites (675 sites complete) | \$46,000.00 |
| July 5, 2023 | D28 | Quarterly Progress Report (April 1, 2023 – June 30, 2023) | No Fee Allowed |
| August TBD, 2023 | M13 | 2023 Annual Project Review Presentation (if Requested) | No Fee Allowed |
| October 1, 2023 | D29 | Accuracy Assessment Products 225 sites (900 sites complete) | \$46,000.00 |
| October 5, 2023 | D30 | Quarterly Progress Report (July 1, 2023 – Sept. 30, 2023) | No Fee Allowed |
| January 1, 2024 | D31 | Accuracy Assessment Products 225 sites (1125 sites complete) | \$46,000.00 |
| January 5, 2024 | D32 | Quarterly Progress Report (Oct. 1, 2023 – Dec. 31, 2023) | No Fee Allowed |
| April 1, 2024 | D33 | Accuracy Assessment Products 225 sites (1350 sites complete) | \$50,000.00 |
| April 5, 2024 | D34 | Quarterly Progress Report (Jan. 1, 2024 – March 31, 2024) | No Fee Allowed |
| April 15, 2024 | D35 | Complete Accuracy Assessment Data Deliverable | \$10,000.00 |
| April 15, 2024 | D36 | Final Project Review Summary Form and Project Claim Release | \$89,322.22 |
| May 31, 2024 | N/A | Project Close-out | No Fee Allowed |
| NOT TO EXCEED AMOUNT YEARS 1-4 | | | \$893,222.22 |

RFP 605519-19
APPENDIX 1
Milestone/Deliverable/Invoicing Schedule Table
Vegetation Map for Clark County Year 5
Project Number: 2019-COGAN-1965A
REVISED PER AMENDMENT NO. 1

| Date Due | Deliverable / Milestone # | Deliverable / Milestone Title | Amount Allowed |
|--------------------------------------------|----------------------------------|--------------------------------------------------------------|-----------------------|
| June 1, 2024 | M14 | Contract Award and Mobilization | No Fee Allowed |
| July 30, 2024 | M15 | Project Kick-off Meeting | \$3,000.00 |
| July 5, 2024 | D37 | Quarterly Progress Report (April 1, 2024 – June 30, 2024) | No Fee Allowed |
| August TBD, 2024 | M16 | 2024 Annual Project Review Presentation (if Requested) | No Fee Allowed |
| October 1, 2024 | D38 | Accuracy Assessment Products 153 sites (1503 sites complete) | \$40,087.89 |
| October 5, 2024 | D39 | Quarterly Progress Report (July 1, 2024 – Sept. 30, 2024) | No Fee Allowed |
| December 31, 2024 | M17 | End Geodatabase Creation | \$18,000.00 |
| December 31, 2024 | M18 | End Accuracy Assessment | \$18,000.00 |
| January 1, 2025 | M19 | Begin AA Analysis and Draft Report and Deliverables | \$42,000.00 |
| January 5, 2025 | D40 | Quarterly Progress Report (Oct. 1 2024 – Dec. 30, 2024) | No Fee Allowed |
| March 31, 2025 | D41 | Submit AA Analysis Results | \$42,000.00 |
| April 5, 2025 | D42 | Quarterly Progress Report (Jan. 1, 2025 – March 30, 2025) | No Fee Allowed |
| April 30, 2025 | M20 | Project Close-out Meeting | No Fee Allowed |
| June 30, 2025 | D43 | Submit Final Report and Deliverables | \$28,000.00 |
| June 30, 2025 | D44 | Biennium Progress Summary Report | No Fee Allowed |
| June 30, 2025 | D45 | Final Project Review Summary Form and Project Claim Release | \$21,231.99 |
| July 1, 2025 | N/A | Project Close-out | No Fee Allowed |
| NOT TO EXCEED AMOUNT YEAR 5 RENEWAL | | | \$212,319.88 |
| TOTAL NOT TO EXCEED AMOUNT: | | | \$1,105,542.10 |

Due dates for deliverables and milestones may be revised by COUNTY staff as necessary without a formal amendment. Revised dates must not exceed the end date of the Contract. Any changes to deliverables or milestones that include material changes to scope, cost or Contract term, must be executed through formal amendment.