

Standard Professional Services Agreement (“PSA”)

Revision G – June 2016

AGREEMENT FOR PROFESSIONAL SERVICES

This agreement ("Agreement"), dated as of August 9, 2022 (“Effective Date”) is by and between the County of Sonoma, a political subdivision of the State of California (hereinafter "County"), and Cignus Consulting, LLC (hereinafter "Consultant").

R E C I T A L S

WHEREAS, Consultant represents that it is duly qualified and experienced in the preparation of airport approach development and feasibility studies and related services; and

WHEREAS, in the judgment of the Department of Transportation and Public Works – Airport Division, it is necessary and desirable to employ the services of Consultant for an approved and implemented Approach Development Feasibility Study.

NOW, THEREFORE, in consideration of the foregoing recitals and the mutual covenants contained herein, the parties hereto agree as follows:

A G R E E M E N T

I. Scope of Services.

1.1 Consultant's Specified Services.

Consultant shall perform the services described in Exhibit “A,” attached hereto and incorporated herein by this reference (hereinafter "Scope of Work"), and within the times or by the dates provided for in Exhibit “A” and pursuant to Article 7, Prosecution of Work. In the event of a conflict between the body of this Agreement and Exhibit “A”, the provisions in the body of this Agreement shall control.

1.2 Cooperation With County. Consultant shall cooperate with County and County staff in the performance of all work hereunder.

1.3 Performance Standard. Consultant shall perform all work hereunder in a manner consistent with the level of competency and standard of care normally observed by a person practicing in Consultant's profession. County has relied upon the professional ability and training of Consultant as a material inducement to enter into this Agreement. Consultant hereby agrees to provide all services under this Agreement in accordance with generally accepted professional practices and standards of care, as well as the requirements of applicable federal, state and local laws, it being

understood that acceptance of Contractor's work by County shall not operate as a waiver or release. If County determines that any of Consultant's work is not in accordance with such level of competency and standard of care, County, in its sole discretion, shall have the right to do any or all of the following: (a) require Consultant to meet with County to review the quality of the work and resolve matters of concern; (b) require Consultant to repeat the work at no additional charge until it is satisfactory; (c) terminate this Agreement pursuant to the provisions of Article 4; or (d) pursue any and all other remedies at law or in equity.

1.4 Assigned Personnel.

- a. Consultant shall assign only competent personnel to perform work hereunder. In the event that at any time County, in its sole discretion, desires the removal of any person or persons assigned by Consultant to perform work hereunder, Consultant shall remove such person or persons immediately upon receiving written notice from County.
- b. Any and all persons identified in this Agreement or any exhibit hereto as the project manager, project team, or other professional performing work hereunder are deemed by County to be key personnel whose services were a material inducement to County to enter into this Agreement, and without whose services County would not have entered into this Agreement. Consultant shall not remove, replace, substitute, or otherwise change any key personnel without the prior written consent of County.
- c. In the event that any of Consultant's personnel assigned to perform services under this Agreement become unavailable due to resignation, sickness or other factors outside of Consultant's control, Consultant shall be responsible for timely provision of adequately qualified replacements.

2. Payment.

For all services and incidental costs required hereunder, Consultant shall be paid in accordance with the following terms:

For all services and incidental costs required hereunder, Consultant shall be paid on a time and material/expense basis in accordance with the budget set forth in Exhibit B, provided, however, that total payments to Consultant shall not exceed Phase I total costs of \$278,500.00, without the prior written approval of County. At the completion of Phase I, County reserves the right to Amend this agreement, to include the whole or partial of Phase II as additionally, set forth in Exhibit B.

Consultant shall submit its bills in arrears on a monthly basis in a form approved by County's Auditor and the Head of the County Department receiving the services. The bills shall show or include: (i) the task(s) performed; (ii) the time in quarter hours devoted to the task(s); (iii) the hourly rate or rates of the persons performing the task(s);

and (iv) copies of receipts for reimbursable materials/expenses, if any. Expenses not expressly authorized by the Agreement shall not be reimbursed.

Unless otherwise noted in this Agreement, payments shall be made within the normal course of County business after presentation of an invoice in a form approved by the County for services performed. Payments shall be made only upon the satisfactory completion of the services as determined by the County.

Pursuant to California Revenue and Taxation code (R&TC) Section 18662, the County shall withhold seven percent of the income paid to Consultant for services performed within the State of California under this agreement, for payment and reporting to the California Franchise Tax Board, if Consultant does not qualify as: (1) a corporation with its principal place of business in California, (2) an LLC or Partnership with a permanent place of business in California, (3) a corporation/LLC or Partnership qualified to do business in California by the Secretary of State, or (4) an individual with a permanent residence in the State of California.

If Consultant does not qualify, County requires that a completed and signed Form 587 be provided by the Consultant in order for payments to be made. If Consultant is qualified, then the County requires a completed Form 590. Forms 587 and 590 remain valid for the duration of the Agreement provided there is no material change in facts. By signing either form, the Consultant agrees to promptly notify the County of any changes in the facts. Forms should be sent to the County pursuant to Article 12. To reduce the amount withheld, Consultant has the option to provide County with either a full or partial waiver from the State of California.

3. Term of Agreement. The term of this Agreement shall be for a period of three calendar years from the date of execution of this agreement, unless terminated earlier in accordance with the provisions of Article 4 below.

4. Termination.

4.1 Termination Without Cause. Notwithstanding any other provision of this Agreement, at any time and without cause, County shall have the right, in its sole discretion, to terminate this Agreement by giving 5 days written notice to Consultant.

4.2 Termination for Cause. Notwithstanding any other provision of this Agreement, should Consultant fail to perform any of its obligations hereunder, within the time and in the manner herein provided, or otherwise violate any of the terms of this Agreement, County may immediately terminate this Agreement by giving Consultant written notice of such termination, stating the reason for termination.

4.3 Delivery of Work Product and Final Payment Upon Termination.

In the event of termination, Consultant, within 14 days following the date of termination, shall deliver to County all reports, original drawings, graphics, plans,

studies, and other data or documents, in whatever form or format, assembled or prepared by Consultant or Consultant's subcontractors, consultants, and other agents in connection with this Agreement and shall submit to County an invoice showing the services performed, hours worked, and copies of receipts for reimbursable expenses up to the date of termination.

4.4 Payment Upon Termination. Upon termination of this Agreement by County, Consultant shall be entitled to receive as full payment for all services satisfactorily rendered and reimbursable expenses properly incurred hereunder, an amount which bears the same ratio to the total payment specified in the Agreement as the services satisfactorily rendered hereunder by Consultant bear to the total services otherwise required to be performed for such total payment; provided, however, that if services which have been satisfactorily rendered are to be paid on a per-hour or per-day basis, Consultant shall be entitled to receive as full payment an amount equal to the number of hours or days actually worked prior to the termination times the applicable hourly or daily rate; and further provided, however, that if County terminates the Agreement for cause pursuant to Section 4.2, County shall deduct from such amount the amount of damage, if any, sustained by County by virtue of the breach of the Agreement by Consultant.

4.5 Authority to Terminate. The Board of Supervisors has the authority to terminate this Agreement on behalf of the County. In addition, the Purchasing Agent or Transportation and Public Works Department Head, in consultation with County Counsel, shall have the authority to terminate this Agreement on behalf of the County.

5. Indemnification. Consultant agrees to accept all responsibility for loss or damage to any person or entity, including County, and to indemnify, hold harmless, and release County, its officers, agents, and employees, from and against any actions, claims, damages, liabilities, disabilities, or expenses, that may be asserted by any person or entity, including Consultant, that arise out of, pertain to, or relate to Consultant's or its agents', employees', contractors', subcontractors', or invitees' performance or obligations under this Agreement. Consultant agrees to provide a complete defense for any claim or action brought against County based upon a claim relating to such Consultant's or its agents', employees', contractors', subcontractors', or invitees' performance or obligations under this Agreement. Consultant's obligations under this Section apply whether or not there is concurrent or contributory negligence on County's part, but to the extent required by law, excluding liability due to County's conduct. County shall have the right to select its legal counsel at Consultant's expense, subject to Consultant's approval, which shall not be unreasonably withheld. This indemnification obligation is not limited in any way by any limitation on the amount or type of damages or compensation payable to or for Consultant or its agents under workers' compensation acts, disability benefits acts, or other employee benefit acts.

6. Insurance. With respect to performance of work under this Agreement, Consultant shall maintain and shall require all of its subcontractors, consultants, and other agents to

maintain, insurance as described in Exhibit C, which is attached hereto and incorporated herein by this reference.

7. Prosecution of Work. The execution of this Agreement shall constitute Consultant's authority to proceed immediately with the performance of this Agreement. Performance of the services hereunder shall be completed within the time required herein, provided, however, that if the performance is delayed by earthquake, flood, high water, or other Act of God or by strike, lockout, or similar labor disturbances, the time for Consultant's performance of this Agreement shall be extended by a number of days equal to the number of days Consultant has been delayed.

8. Extra or Changed Work. Extra or changed work or other changes to the Agreement may be authorized only by written amendment to this Agreement, signed by both parties. Changes which do not exceed the delegated signature authority of the Department may be executed by the Department Head in a form approved by County Counsel. The Board of Supervisors or Purchasing Agent must authorize all other extra or changed work which exceeds the delegated signature authority of the Department Head. The parties expressly recognize that, pursuant to Sonoma County Code Section 1-11, County personnel are without authorization to order extra or changed work or waive Agreement requirements. Failure of Consultant to secure such written authorization for extra or changed work shall constitute a waiver of any and all right to adjustment in the Agreement price or Agreement time due to such unauthorized work and thereafter Consultant shall be entitled to no compensation whatsoever for the performance of such work. Consultant further expressly waives any and all right or remedy by way of restitution and quantum meruit for any and all extra work performed without such express and prior written authorization of the County.

9. Representations of Consultant.

9.1 Standard of Care. County has relied upon the professional ability and training of Consultant as a material inducement to enter into this Agreement. Consultant hereby agrees that all its work will be performed and that its operations shall be conducted in accordance with generally accepted and applicable professional practices and standards as well as the requirements of applicable federal, state and local laws, it being understood that acceptance of Consultant's work by County shall not operate as a waiver or release.

9.2 Status of Consultant. The parties intend that Consultant, in performing the services specified herein, shall act as an independent contractor and shall control the work and the manner in which it is performed. Consultant is not to be considered an agent or employee of County and is not entitled to participate in any pension plan, worker's compensation plan, insurance, bonus, or similar benefits County provides its employees. In the event County exercises its right to terminate this Agreement pursuant to Article 4, above, Consultant expressly agrees that it shall have no recourse or right of appeal under rules, regulations, ordinances, or laws applicable to employees.

9.3 No Suspension or Debarment. Consultant warrants that it is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in covered transactions by any federal department or agency. Consultant also warrants that it is not suspended or debarred from receiving federal funds as listed in the List of Parties Excluded from Federal Procurement or Non-procurement Programs issued by the General Services Administration. If the Consultant becomes debarred, consultant has the obligation to inform the County

9.4 Taxes. Consultant agrees to file federal and state tax returns and pay all applicable taxes on amounts paid pursuant to this Agreement and shall be solely liable and responsible to pay such taxes and other obligations, including, but not limited to, state and federal income and FICA taxes. Consultant agrees to indemnify and hold County harmless from any liability which it may incur to the United States or to the State of California as a consequence of Consultant's failure to pay, when due, all such taxes and obligations. In case County is audited for compliance regarding any withholding or other applicable taxes, Consultant agrees to furnish County with proof of payment of taxes on these earnings.

9.5 Records Maintenance. Consultant shall keep and maintain full and complete documentation and accounting records concerning all services performed that are compensable under this Agreement and shall make such documents and records available to County for inspection at any reasonable time. Consultant shall maintain such records for a period of four (4) years following completion of work hereunder.

9.6 Conflict of Interest. Consultant covenants that it presently has no interest and that it will not acquire any interest, direct or indirect, that represents a financial conflict of interest under state law or that would otherwise conflict in any manner or degree with the performance of its services hereunder. Consultant further covenants that in the performance of this Agreement no person having any such interests shall be employed. In addition, if requested to do so by County, Consultant shall complete and file and shall require any other person doing work under this Agreement to complete and file a "Statement of Economic Interest" with County disclosing Consultant's or such other person's financial interests.

9.7 Statutory Compliance/Living Wage Ordinance. Consultant agrees to comply with all applicable federal, state and local laws, regulations, statutes and policies, including but not limited to the County of Sonoma Living Wage Ordinance, applicable to the services provided under this Agreement as they exist now and as they are changed, amended or modified during the term of this Agreement. Without limiting the generality of the foregoing, Consultant expressly acknowledges and agrees that this Agreement is subject to the provisions of Article XXVI of Chapter 2 of the Sonoma County Code, requiring payment of a living wage to covered employees. Noncompliance during the term of the Agreement will be considered a material breach and may result in termination of the Agreement or pursuit of other legal or administrative remedies.

9.8 Nondiscrimination. Without limiting any other provision hereunder, Consultant shall comply with all applicable federal, state, and local laws, rules, and regulations in regard to nondiscrimination in employment because of race, color, ancestry, national origin, religion, sex, marital status, age, medical condition, pregnancy, disability, sexual orientation or other prohibited basis, including without limitation, the County's Non-Discrimination Policy. All nondiscrimination rules or regulations required by law to be included in this Agreement are incorporated herein by this reference.

9.9 AIDS Discrimination. Consultant agrees to comply with the provisions of Chapter 19, Article II, of the Sonoma County Code prohibiting discrimination in housing, employment, and services because of AIDS or HIV infection during the term of this Agreement and any extensions of the term.

9.10 Assignment of Rights. Consultant assigns to County all rights throughout the world in perpetuity in the nature of copyright, trademark, patent, right to ideas, in and to all versions of the plans and specifications, if any, now or later prepared by Consultant in connection with this Agreement. Consultant agrees to take such actions as are necessary to protect the rights assigned to County in this Agreement, and to refrain from taking any action which would impair those rights. Consultant's responsibilities under this provision include, but are not limited to, placing proper notice of copyright on all versions of the plans and specifications as County may direct, and refraining from disclosing any versions of the plans and specifications to any third party without first obtaining written permission of County. Consultant shall not use or permit another to use the plans and specifications in connection with this or any other project without first obtaining written permission of County.

9.11 Ownership and Disclosure of Work Product. All reports, original drawings, graphics, plans, studies, and other data or documents ("documents"), in whatever form or format, assembled or prepared by Consultant or Consultant's subcontractors, consultants, and other agents in connection with this Agreement shall be the property of County. County shall be entitled to immediate possession of such documents upon completion of the work pursuant to this Agreement. Upon expiration or termination of this Agreement, Consultant shall promptly deliver to County all such documents, which have not already been provided to County in such form or format, as County deems appropriate. Such documents shall be and will remain the property of County without restriction or limitation. Consultant may retain copies of the above-described documents but agrees not to disclose or discuss any information gathered, discovered, or generated in any way through this Agreement without the express written permission of County.

9.12 Authority. The undersigned hereby represents and warrants that he or she has authority to execute and deliver this Agreement on behalf of Consultant.

10. Demand for Assurance. Each party to this Agreement undertakes the obligation that the other's expectation of receiving due performance will not be impaired. When reasonable grounds for insecurity arise with respect to the performance of either party,

the other may in writing demand adequate assurance of due performance and until such assurance is received may, if commercially reasonable, suspend any performance for which the agreed return has not been received. "Commercially reasonable" includes not only the conduct of a party with respect to performance under this Agreement, but also conduct with respect to other agreements with parties to this Agreement or others. After receipt of a justified demand, failure to provide within a reasonable time, but not exceeding thirty (30) days, such assurance of due performance as is adequate under the circumstances of the particular case is a repudiation of this Agreement. Acceptance of any improper delivery, service, or payment does not prejudice the aggrieved party's right to demand adequate assurance of future performance. Nothing in this Article limits County's right to terminate this Agreement pursuant to Article 4.

11. Assignment and Delegation. Neither party hereto shall assign, delegate, sublet, or transfer any interest in or duty under this Agreement without the prior written consent of the other, and no such transfer shall be of any force or effect whatsoever unless and until the other party shall have so consented.

12. Method and Place of Giving Notice, Submitting Bills and Making Payments. All notices, bills, and payments shall be made in writing and shall be given by personal delivery or by U.S. Mail or courier service. Notices, bills, and payments shall be addressed as follows:

TO: COUNTY:

Charles M. Schulz – Sonoma County
Airport
2290 Airport Blvd.
Santa Rosa, CA 95403

TO: CONSULTANT:

Cignus Consulting, LLC
44084 Riverside Pkwy, Suite 120
Leesburg, VA 20176

When a notice, bill or payment is given by a generally recognized overnight courier service, the notice, bill or payment shall be deemed received on the next business day. When a copy of a notice, bill or payment is sent by facsimile or email, the notice, bill or payment shall be deemed received upon transmission as long as (1) the original copy of the notice, bill or payment is promptly deposited in the U.S. mail and postmarked on the date of the facsimile or email (for a payment, on or before the due date), (2) the sender has a written confirmation of the facsimile transmission or email, and (3) the facsimile or email is transmitted before 5 p.m. (recipient's time). In all other instances, notices, bills and payments shall be effective upon receipt by the recipient. Changes may be made in the names and addresses of the person to whom notices are to be given by giving notice pursuant to this paragraph.

13. Miscellaneous Provisions.

13.1 No Waiver of Breach. The waiver by County of any breach of any term or promise contained in this Agreement shall not be deemed to be a waiver of such term or provision or any subsequent breach of the same or any other term or promise contained in this Agreement.

13.2 Construction. To the fullest extent allowed by law, the provisions of this Agreement shall be construed and given effect in a manner that avoids any violation of statute, ordinance, regulation, or law. The parties covenant and agree that in the event that any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions hereof shall remain in full force and effect and shall in no way be affected, impaired, or invalidated thereby. Consultant and County acknowledge that they have each contributed to the making of this Agreement and that, in the event of a dispute over the interpretation of this Agreement, the language of the Agreement will not be construed against one party in favor of the other. Consultant and County acknowledge that they have each had an adequate opportunity to consult with counsel in the negotiation and preparation of this Agreement.

13.3 Consent. Wherever in this Agreement the consent or approval of one party is required to an act of the other party, such consent or approval shall not be unreasonably withheld or delayed.

13.4 No Third Party Beneficiaries. Nothing contained in this Agreement shall be construed to create and the parties do not intend to create any rights in third parties.

13.5 Applicable Law and Forum. This Agreement shall be construed and interpreted according to the substantive law of California, regardless of the law of conflicts to the contrary in any jurisdiction. Any action to enforce the terms of this Agreement or for the breach thereof shall be brought and tried in Santa Rosa or the forum nearest to the city of Santa Rosa, in the County of Sonoma.

13.6 Captions. The captions in this Agreement are solely for convenience of reference. They are not a part of this Agreement and shall have no effect on its construction or interpretation.

13.7 Merger. This writing is intended both as the final expression of the Agreement between the parties hereto with respect to the included terms and as a complete and exclusive statement of the terms of the Agreement, pursuant to Code of Civil Procedure Section 1856. No modification of this Agreement shall be effective unless and until such modification is evidenced by a writing signed by both parties.

13.8. Survival of Terms. All express representations, waivers, indemnifications, and limitations of liability included in this Agreement will survive its completion or termination for any reason.

13.9 Time of Essence. Time is and shall be of the essence of this Agreement and every provision hereof.

14. Federal Provisions The following required terms shall apply to the performance of all work pursuant to this Agreement, and shall be incorporated into any subcontract entered into by Consultant for the performance of work hereunder:

GENERAL CIVIL RIGHTS PROVISIONS

The Contractor agrees to comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision binds the Contractor and subcontractors from the bid solicitation period through the completion of the contract. This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “Contractor”), agrees as follows:

- 1) **Compliance with Regulations:** The Contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
- 2) **Nondiscrimination:** The Contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.
- 3) **Solicitations for Subcontracts, including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Contractor of the contractor’s obligations under this contract and the Nondiscrimination Acts and Authorities on the grounds of race, color, or national origin.
- 4) **Information and Reports:** The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with

such Nondiscrimination Acts and Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

- 5) **Sanctions for Noncompliance:** In the event of a Contractor's noncompliance with the non-discrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:
 - a. Withholding payments to the Contractor under the contract until the Contractor complies; and/or
 - b. Cancelling, terminating, or suspending a contract, in whole or in part.
- 6) **Incorporation of Provisions:** The Contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations, and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the Contractor may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

TITLE VI LIST OF PERTINENT NONDISCRIMINATION ACTS AND AUTHORITIES

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 USC § 2000d *et seq.*, 78 stat. 252) (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination in Federally-assisted programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 USC § 4601) (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973 (29 USC § 794 *et seq.*), as amended (prohibits discrimination on the basis of disability); and 49 CFR part 27;

- The Age Discrimination Act of 1975, as amended (42 USC § 6101 *et seq.*) (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982 (49 USC § 471, Section 47123), as amended (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987 (PL 100-209) (broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 USC §§ 12131 – 12189) as implemented by U.S. Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration’s Nondiscrimination statute (49 USC § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 USC 1681 *et seq.*).

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the Effective Date.

CONSULTANT:

Cignus Consulting, LLC

By: _____

Name: Vinayak 'Vinnie' Khera

Title: President & CEO

Date: _____

COUNTY: COUNTY OF SONOMA

CERTIFICATES OF INSURANCE
REVIEWED AND ON FILE:

By: _____
Department Analyst

Date: _____

APPROVED AS TO FORM FOR COUNTY:

By: _____
County Counsel

Date: _____

AGREEMENT EXECUTED:

By: _____
Chair of the Board of Supervisors for the
County of Sonoma

Date: _____

ATTEST:

Clerk of the Board of Supervisors

Date: _____

EXHIBITS A & B:



Cignus is pleased to present the following Statement of Work (SOW) to perform detailed analyses and design(s) in support of improvements to the instrument approach and departure procedures at the Charles M. Schulz Sonoma County Airport (STS).

The primary task as we understand will be to develop a fully optimized straight-in GPS-based (RNAV) approach to Runway 14, in order to create an efficient alternative to the current RNAV (GPS) RWY 14 approach. As Cignus understands, the current RNAV approach is not aligned with the runway and requires a 15.08 degree turn at the final segment of approach. Additionally, the current approach requires a 30 degree turn at the EHETY intersection. The segment prior to this turn aims arriving aircraft at rising terrain. To assist with such improvement, Cignus will seek to re-design the procedure to mitigate noise, reduce emissions and provide a straight-in approach to Runway 14.

In addition to the above primary requirement, Cignus will complete a Feasibility Study and Final IFP Production to include the following objectives which are broken into two distinct phases:

PHASE ONE: INITIAL IFP FEASIBILITY STUDY GOALS/OBJECTIVES

As shown below, Cignus envisions Phase I to include 8 distinct tasks:

Task 1. Review of STS existing instrument approach and departure procedures, and development of improvement concepts.

Task Requirement:

1. Review current approach and departure procedures (to include all SIDs & STARs), climb and descent gradients, existing obstruction issues, and safety issues. This includes an analysis focused on the stabilization of existing instrument procedures as well as a segment analysis to pinpoint issues along individual legs.
2. Review related documents including the Airport Master Plan and Airport Layout Plan.
3. Investigate FAA documentation on neighboring airports that may impact operations at STS as part of the larger airspace system.
4. Review any Municipal, State, or Federal documentation and applicable guidelines that may influence future procedure concepts including environmental regulations or design standards that will need to be considered.
5. Develop proposed improvement concepts for review and approval.

Timeline: ~2 months from Project Start

Deliverables: There are two envisioned deliverables associated with this task

1. *Report on existing conditions and issues*
2. *Definitions of high-level development concepts*

Approximate Budget NTE: \$48,900

Note: Approval by Sonoma County project sponsors regarding the ConOps definitions will be sought before proceeding to the procedure design tasks

Task 2. Describe methods and databases used to ensure current obstruction information for future development of flight procedures obstacle evaluation and deconfliction. Include description and procedures on how

obstruction limitations will be addressed, including an obstacle mitigation plan for removal of the trees identified within the existing critical approach surfaces to Runway 14 to minimize minimums.

Task Requirement:

1. Ensure that the latest available obstruction information is used for procedure design processes.
 - a. If it is deemed that a revised and updated obstacle survey will benefit design options, provide detailed information to the County and assist in conducting a new updated survey upon such agreement.
2. If any current obstacles penetrate critical protection surfaces for either existing or proposed future designs, develop obstacle mitigation plans for identified objects and provide recommendations for removal (unless deemed static).

Timeline: ~5 Months from Project Start

Deliverables: There are two envisioned deliverables associated with this task

1. *Description of Software & Databases used for analysis (including dataset versions)*
2. *Report on existing obstructions that may impact future procedure designs*

Approximate Budget NTE: \$37,950

Task 3. Develop new vertically guided as well as visual approaches for Runways 20 and 14. These approaches should support constant-decent approaches with a goal being to minimize noise impacts and emissions during arrivals. As a part of this task, identify critical obstacles and document their impact on approach minimums.

Task Requirement:

1. Develop initial RNAV/RNP approach designs with vertical guidance for Runways 20 and 14 at STS.
3. Utilize MITRE's Terminal Area Route Generation and Traffic Simulation (TARGETS) software in conjunction with industry accepted tools for the development of conceptual designs as well as the application of US FAA Instrument Procedure Design criteria.
2. Using the design goals and requirements from the initial ConOps definitions use TARGETS and/or other industry accepted tools to develop approaches based on current TERPS design standards.
 - a. Factors that should be considered for the approach designs are:
 - i. Terrain and Obstacle Data
 - ii. TERPS criteria
 - iii. RNP levels or Navigation Specifications
 - iv. Critical design aircraft performance
 - v. Noise Impacts
 - vi. Environmental Impacts
 - vii. Consultations with stakeholders
3. Develop required visual approaches where instrument procedures are insufficient or inadequate
4. Ensure approach and departure procedures align with en-route airspace and develop SID/STAR transitions as-needed and appropriate
5. As part of the design process, identify and analyze infrastructure assumptions, enablers, and

constraints. This includes the analysis and documentation of factors such as:

- a. Navigation aid coverage for area navigation (RNAV 1, RNP 1, RNP 0.3 or less, DME/DME, GNSS)
- b. Approach type requirements (ILS CAT II, RNP AR, RF turns, approach and airport lighting, runway and taxiway marking, airport low visibility plans, etc.)
- c. Aircraft and airline operational capabilities and constraints
- d. Equipment capabilities and operational certifications
- e. Missed approach procedures and impacts

Timeline: ~6 Months from Project Start

Deliverables: There are four envisioned deliverables associated with this task

1. Initial Approach Procedure Designs
2. Visual Approach Procedure Designs
3. RADAR Track Analysis
4. Obstacle Analysis for each Design
5. List of Assumptions and Constraints impacting Designs

Approximate Budget NTE: \$33,250

Task 4. Develop departure procedures for each runway with a goal being to minimize noise impacts during departures and develop visual arrival procedures for all runways to minimize noise impacts.

Task Requirement:

1. Develop initial instrument and visual departure procedures that will incorporate the use of noise reduction techniques by operators as well as design inherent noise reduction techniques.
 - a. PBN Standard Instrument Departures (SIDs) and departure procedures should be designed using MITRE's TARGETS tool or other industry accepted tool(s) based on NavSpec and performance criteria and standards discussed in the latest AC 90-100 "U.S. Terminal and En Route Area Navigation (RNAV) Operations".
 - i. Proposed procedures will be designed using RNAV 1 and RNP 1 specifications
2. Develop visual procedures for all runways based on visual references and terrain around STS
3. If applicable, mitigation options should be provided for procedures that may require glideslope adjustments or that may benefit from systems such as Visual Glide Slope Indicator (VGSI)

Timeline: ~6-7 months from Project Start

Deliverables: There are five envisioned deliverables associated with this task

1. Initial Departure Procedure Designs
2. RADAR Track Analysis
3. Obstacle Analysis for each Design
4. List of Assumptions and Constraints impacting Designs
5. Initial Visual Procedure Designs and Obstruction Evaluation

Approximate Budget NTE: \$33,250

Task 5. Assess the existing Runway 32 Cat I ILS capabilities and evaluate the potential to upgrade this ILS approach to a Cat II ILS. Identify any infrastructure requirements or obstacle mitigation to support an upgrade. Perform a radar citing and signal degradation analysis

Task Requirement:

1. Evaluate any proposed procedures in terms of their CAT II feasibility and then assess the impacts of a CAT II upgrade on the overall airport operation
2. Work with Sonoma County to establish requirements for equipment and lighting installation
3. Review location and perform a line-of-sight signal analysis on current radar(s)
4. Provide recommendation as appropriate for re-citing and potential benefits
 - Detailed implementation planning study (To be performed in Phase II)

Timeline: ~7 Months from Project Start

Deliverables: There are two envisioned deliverables associated with this task

1. Current/Proposed Procedure Capabilities and Impact for CAT II
2. Report on additional Technical/Operational Considerations and Requirements
3. Report on line-of-sight analysis and any re-citing recommendations to include recommended next steps

Approximate Budget NTE: \$33,200

Task 6. Participate in an outreach program that will involve meeting with relevant stakeholders to identify issues and needs. This is split into two (2) distinct sub-tasks to address early outreach for requirements and stakeholder identification and subsequent outreach to present and discuss proposed changes. The Consultant will also make a final presentation at a Sonoma County venue defined by the Airport including an alternative virtual meeting.

Task Requirement:

1. Engage with identified stakeholders early in the process to identify requirements and constraints
2. Conduct outreach to discuss proposed procedure changes with stakeholders and integrate feedback into recommendations
3. Coordinate with FAA Oakland center, Santa Rosa Tower and NORCAL TRACON to ensure that any proposed procedure design concerns are evaluated and addressed
4. Develop presentation materials and support outreach event presentations at select Sonoma County venues
 - a. Virtual sessions will also need to be supported as needed.

Timeline: Early Outreach Throughout Task 1 and Subsequent Outreach until ~7-8 Months from Project Start

Deliverables: There are two envisioned deliverables associated with this task

1. Outreach Presentation Materials
2. In-Person or Virtual Outreach Presentation

Approximate Budget NTE: \$33,750

Task 7. Assist with four (4) neighborhood meetings to communicate proposals before end of Phase 1, including alternative virtual meeting options.

Task Requirements:

1. Prepare any necessary slides, videos, and briefings to support neighborhood meetings as directed by Sonoma County
2. Attend up to four (4) meetings either in person or virtually

Timeline: ~7-8 Months from Project Start

Deliverables: There are two envisioned deliverables associated with this task

1. PowerPoint slides, videos and briefings
2. 4 In-Person or Virtual Meeting Presentations/Attendance

Approximate Budget NTE: \$33,750

Task 8. Prepare a final IFP Feasibility Study report presenting the results of Tasks 1-6. This report will include:

- a. Narrative and graphic depictions of the new IFPs with altitudes and ground tracks displayed over terrain and street map backgrounds, and prototype aeronautical charts with waypoint data.
- b. A brief timeline or narrative for certification and charting for conceptual procedures, and a timeline and budget for the development of design concepts and the submission package to the FAA (Phase 2)

Task Requirements:

1. Prepare a final IFP Feasibility Study Report
2. Proposed project scope for procedure design concept updates, charting and the development of a submission package to the FAA for certification
3. A detailed proposed timeline for Phase II
4. A proposed budget for Phase II

Timeline: ~8 Months from Project Start

Deliverables: There are two envisioned deliverables associated with this task

1. Final IFP Feasibility Study
2. Project Plan for Phase II

Approximate Budget NTE: \$24,450

Total NTE for Phase I: \$278,500

Note: Before proceeding to Phase II, approval by Sonoma County project sponsors based on the proposed project plan, timeline, and budget is required. The scope of Phase II will depend on further discussions with Sonoma County at the conclusion of Phase I.

PHASE TWO*: FINAL FLIGHT PROCEDURE PRODUCTION AND FAA COORDINATION GOALS/OBJECTIVES

STS may choose to implement none, several, or all of the proposed IFPs determined in Phase 1. Therefore, breakdown of tasks for phase 2 are envisioned as follows:

Task 9. Identification of procedures that will be moved forward for FAA review and consideration and submit IFP packages to the FAA. Work with STS/FAA to ensure that the IFP packages meet FAA requirements and assist STS in coordinating with the FAA throughout the review process as-needed

Task Requirements:

1. Upon selection of final procedures develop formal IFP packets for STS review and FAA submittal
2. Conduct additional evaluations for each procedures that are focused on:
 - a. Documenting design/implementing criteria compliance and KPIs previously defined early in Phase I
 - b. Flyability of procedures based on common aircraft types at STS
 - c. ARINC 424 Coding
 - d. Airspace integration within the larger system
 - e. Design and Obstruction Evaluation validation
 - f. Mitigation measures for non-normal operations
 - g. Necessity for fast-time/real-time simulation, ATC trials, and noise analyses
3. Work with partner airline to perform simulator testing and flight validation
4. Conduct Follow-on Outreach to Stakeholders regarding final procedure designs
5. Work jointly with Sonoma County to submit desired IFP packages for official FAA review
6. Formal procedure approval and publication may not be warranted or desired for all procedures and some may be managed and implemented locally by the airport
7. If needed, support any detailed obstruction evaluations and filings that may be required to the FAA's OE/AAA office

Timeline: 16 Weeks Duration

Deliverables: There are two envisioned deliverables associated with this task

1. Final Procedure Design Packages
2. FAA Forms

Approximate Budget NTE: \$48,950

Task 10. Conduct follow-up outreach with stakeholders on final procedure designs, operational implications, and community impacts.

Task Requirements:

Timeline: +/- 2 Months

Deliverables: Memo regarding final outreach effort and feedback

Approximate Budget NTE: \$28,600

Task 11. Submit procedures to FAA for certification. During FAA's review, Cignus will assist the with any recommended changes and/or IFP packet revisions as directed by the FAA to facilitate procedure approval/implementation

Task Requirements:

1. Submit IFP Procedure Packets to FAA
2. Support any requested revisions or updates until the approval has been finalized

Timeline: +/- 16 Months Duration

Deliverables:

1. Revisions of any IFP packages to meet FAA requirements

Approximate Budget NTE: \$23,900

Task 12. Work with STS and the FAA to ensure that the revised procedures, if any, meet FAA requirements/expectations. Support Sonoma County until procedures are ready for implementation.

Task Requirements:

1. Work with Sonoma County and any other relevant stakeholders on ensuring operational readiness for implementation
2. Provide technical support to address any concerns determined during FAA review

Timeline: Following FAA Approval until Contract End

Deliverables:

1. Presentation and Material Updates as necessary

Approximate Budget NTE: \$23,900

Total NTE for Phase II: \$125,350*

Assumptions

- The schedule assumes ~6 weeks for the county approval process
- Outreach tasks have been split between (1) early project outreach for stakeholder identification and requirements collection and (2) outreach regarding proposed procedure changes
 - Cignus envisions coordination throughout the design process with the FAA NORCAL TRACON, Oakland Center, and Santa Rosa Tower
- Phase 2 start dates are based on Phase 1 completion and Sonoma County Approval to proceed
- FAA certification has been assumed to be 12-16 months or sooner. Our team suggests early engagement in Phase 1 with the FAA to get on the FAA calendar and streamline Phase II as much as possible
- Cignus assumes coordination and engagement with a champion airline early in Phase I and sim/flight

validation support in Phase II

- Visual Procedure development has been integrated into IFP development tasks as the FAA's current approach is to favor instrument procedures and only consider charted visual flight procedures (CVFPs) as an alternative to IFPs as needed
- The budget for each task is an approximate. If needed, Cignus may need to move budget from one task to another. However, Cignus does not envision the NTE total Phase I budget to change
- FAA Environmental review may result in additional delays but that is something which is beyond the control of Sonoma County and Cignus. However, Cignus will work with the FAA to provide information as needed to support any environmental review
- *The budget for Phase II is based on certain assumptions and will require further evaluation prior to kick off

EXHIBIT C: INSURANCE**EXHIBIT C: INSURANCE REQUIREMENTS**

With respect to performance of work under this Agreement, Consultant shall maintain and shall require all of its subcontractors, consultants, and other agents to maintain insurance as described below unless such insurance has been expressly waived by the attachment of a *Waiver of Insurance Requirements*. Any requirement for insurance to be maintained after completion of the work shall survive this Agreement.

County reserves the right to review any and all of the required insurance policies and/or endorsements, but has no obligation to do so. Failure to demand evidence of full compliance with the insurance requirements set forth in this Agreement or failure to identify any insurance deficiency shall not relieve Consultant from, nor be construed or deemed a waiver of, its obligation to maintain the required insurance at all times during the performance of this Agreement.

Workers Compensation and Employers Liability Insurance

- a. Required if Consultant has employees as defined by the Labor Code of the State of California.
- b. Workers Compensation insurance with statutory limits as required by the Labor Code of the State of California.
- c. Employers Liability with minimum limits of \$1,000,000 per Accident; \$1,000,000 Disease per employee; \$1,000,000 Disease per policy.
- d. Required Evidence of Insurance: Certificate of Insurance.

If Consultant currently has no employees as defined by the Labor Code of the State of California, Consultant agrees to obtain the above-specified Workers Compensation and Employers Liability insurance should employees be engaged during the term of this Agreement or any extensions of the term.

General Liability Insurance

- a. Commercial General Liability Insurance on a standard occurrence form, no less broad than Insurance Services Office (ISO) form CG 00 01.
- b. Minimum Limits: \$1,000,000 per Occurrence; \$2,000,000 General Aggregate; \$2,000,000 Products/Completed Operations Aggregate. The required limits may be provided by a combination of General Liability Insurance and Commercial Excess or Commercial Umbrella Liability Insurance. If Consultant maintains higher limits than the specified minimum limits, County requires and shall be entitled to coverage for the higher limits maintained by Consultant.
- c. Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it must be approved in advance by County. Consultant is responsible for any deductible or

self-insured retention and shall fund it upon County's written request, regardless of whether Consultant has a claim against the insurance or is named as a party in any action involving the County.

- d. County of Sonoma, its officers, agents and employees, Attn: Airport Manager, Charles M. Schulz – Sonoma County Airport, 2290 Airport Boulevard, Santa Rosa, CA 95403 shall be endorsed as additional insureds for liability arising out of operations by or on behalf of the Consultant in the performance of this Agreement.
- e. The insurance provided to the additional insureds shall be primary to, and non-contributory with, any insurance or self-insurance program maintained by them.
- f. The policy definition of "insured contract" shall include assumptions of liability arising out of both ongoing operations and the products-completed operations hazard (broad form contractual liability coverage including the "f" definition of insured contract in ISO form CG 00 01, or equivalent).
- g. The policy shall cover inter-insured suits between the additional insureds and Consultant and include a "separation of insureds" or "severability" clause which treats each insured separately.
- h. Required Evidence of Insurance:
 - i. Copy of the additional insured endorsement or policy language granting additional insured status;
 - ii. Copy of the endorsement or policy language indicating that insurance is primary and non-contributory; and
 - iii. Certificate of Insurance.

Automobile Liability Insurance

- a. Minimum Limit: \$1,000,000 combined single limit per accident. The required limits may be provided by a combination of Automobile Liability Insurance and Commercial Excess or Commercial Umbrella Liability Insurance.
- b. Insurance shall cover all owned autos. If Consultant currently owns no autos, Consultant agrees to obtain such insurance should any autos be acquired during the term of this Agreement or any extensions of the term.
- c. Insurance shall cover hired and non-owned autos.
- d. Required Evidence of Insurance: Certificate of Insurance.

Professional Liability/Errors and Omissions Insurance

- a. Minimum Limits: \$1,000,000 per claim or per occurrence; \$1,000,000 annual aggregate.
- b. Any deductible or self-insured retention shall be shown on the Certificate of Insurance. If the deductible or self-insured retention exceeds \$25,000 it must be approved in advance by County.
- c. If Consultant's services include: (1) programming, customization, or maintenance of software; or (2) access to individuals' private, personally identifiable information, the insurance shall cover:

- i. Breach of privacy; breach of data; programming errors, failure of work to meet contracted standards, and unauthorized access; and
 - ii. Claims against Consultant arising from the negligence of Consultant, Consultant's employees and Consultant's subcontractors.
- d. If the insurance is on a Claims-Made basis, the retroactive date shall be no later than the commencement of the work.
- e. Coverage applicable to the work performed under this Agreement shall be continued for two (2) years after completion of the work. Such continuation coverage may be provided by one of the following: (1) renewal of the existing policy; (2) an extended reporting period endorsement; or (3) replacement insurance with a retroactive date no later than the commencement of the work under this Agreement.
- f. Required Evidence of Insurance: Certificate of Insurance specifying the limits and the claims-made retroactive date.

Standards for Insurance Companies

Insurers, other than the California State Compensation Insurance Fund, shall have an A.M. Best's rating of at least A:VII.

Documentation

- a. The Certificate of Insurance must include the following reference: Airport Approach Feasibility Study.
- b. All required Evidence of Insurance shall be submitted prior to the execution of this Agreement. Consultant agrees to maintain current Evidence of Insurance on file with County for the entire term of this Agreement and any additional periods if specified in Sections 1 – 4 above.
- c. The name and address for Additional Insured endorsements and Certificates of Insurance is: County of Sonoma, its officers, agents and employees, Attn: Airport Manager, Charles M. Schulz – Sonoma County Airport, 2290 Airport Boulevard, Santa Rosa, CA 95403.
- d. Required Evidence of Insurance shall be submitted for any renewal or replacement of a policy that already exists, at least ten (10) days before expiration or other termination of the existing policy.
- e. Consultant shall provide immediate written notice if: (1) any of the required insurance policies is terminated; (2) the limits of any of the required policies are reduced; or (3) the deductible or self-insured retention is increased.
- f. Upon written request, certified copies of required insurance policies must be provided within thirty (30) days.

Policy Obligations

Consultant's indemnity and other obligations shall not be limited by the foregoing insurance requirements.

Material Breach

If Consultant fails to maintain insurance which is required pursuant to this Agreement, it shall be deemed a material breach of this Agreement. County, at its sole option, may terminate this Agreement and obtain damages from Consultant resulting from said breach. Alternatively, County may purchase the required insurance, and without further notice to Consultant, County may deduct from sums due to Consultant any premium costs advanced by County for such insurance. These remedies shall be in addition to any other remedies available to County.