Exhibit "A"

Subcontractor Addition and Substitution

Policy and Procedure

Mayor Frank G. Jackson

EFFECTIVE DATE: November 1, 2011

Direct Questions to: Commissioner James E. Hardy (216) 664-2629

Sub-contractor Addition and Substitution Policy and Procedure

Purpose

The purpose of this Policy is to state the policies and practices which all City departments should follow to obtain the previous written Board of Control consent required for a City contractor to add a subcontractor, or to substitute one subcontractor for another subcontractor, under a City contract.

Policy and Procedure

Each subcontractor proposed for a City contract, whether for a purchase, public improvement, or professional services, must be approved by the Board of Control (the "BOC") *prior* to the commencement of work and or services by the subcontractor. Subcontractor approval will be considered by the BOC upon recommendation of the department Director. A subcontractor identified as a certified Cleveland-Area Small Business ("CSB"), a Minority Business Enterprise ("MBE"), or a Female Business Enterprise ("FBE") (each generically also a "certified sub-contractor") proposed for a contract, whether as an additional or substitute subcontractor, must also be verified as such by the Office of Equal Opportunity ("OEO").

> ***Note:*** The City assumes no obligation to pay, and will not pay, a contractor for any work and or services performed by a sub-contractor on the contract prior to Board of Control approval of that sub-contractor.

Except upon occurrence of an emergency requiring immediate use of a subcontractor to prevent an interruption of public service or endangerment of public health, safety or welfare as declared and determined solely by the Director, the prime contractor is responsible for submitting all required supporting documentation to the contracting department Director, through the designated Project Manager for the contract (the "Project Manager"), if any, no less than 3 (three) weeks in advance of the date the additional or substitute subcontractor is needed on the project, to allow time for internal and BOC approvals without delay or interruption of the project.

> ***Note:*** The Director will not grant any City contractor additional time to meet project deadlines, and will not authorize or pay additional compensation or delay damages of any kind arising from the contractor's inability to add or substitute a subcontractor because the contractor failed to submit the approval request and supporting documentation at least 3 (three) weeks in advance of the date the additional or substitute sub-contractor is needed.

The contracting department Project Manager, if any, for a particular contract will serve, on behalf of the department Director, as the primary contact for the prime contractor. The contracting department Director is responsible for assessing the completeness and sufficiency of the supporting documentation received from the prime contractor and subcontractor, for timely processing of the documentation through the appropriate internal department review(s) and approval(s) and forwarding to the OEO, if required, for evaluation and approval prior to any placement on the Board of Control agenda and for submitting the appropriate Board of Control resolution for approval.

Substitution for a Certified Subcontractor. A contractor must provide the contracting department director, through the Project Manager, written justification for any proposed substitution for a certified sub-contractor.

When obtaining one or more substitutes for a certified subcontractor, a contractor shall make a good-faith effort to fulfill or exceed its original certified subcontractor utilization commitment or the contract goal(s) for the contract, whichever is greater. (Section 187.13 C.O.) The contractor shall document its good-faith effort by submitting complete, revised OEO Schedules 2 and 3 to the contracting department Director, through the Project Manager, with its request to the City for approval.

> ***Note:*** The OEO shall evaluate each subcontractor addition and substitution for increased CSB, MBE, or FBE participation even if the original contract had no certified sub-contractor participation.

Federally Funded Projects. For projects funded directly or indirectly by the federal government where the contracting department is responsible for monitoring Disadvantaged Business Enterprise ("DBE") participation, the department's monitoring unit shall perform the role otherwise performed by OEO. The supporting documentation for the evaluation and approval of an additional or substitute DBE subcontractor must be forwarded to OEO for information purposes. The department Director shall also submit any necessary supporting documentation with its request for Board of Control approval.

Monitoring and Enforcement. The Project Manager shall, under direction of the department Director, verify that the contractor's subcontractor utilization complies with the Board of Control's subcontractor approval(s) by reviewing the contractor's documentation and by worksite visits. The presence on the Project worksite of any subcontractor not previously approved by the Board of Control shall be immediately reported to the department Director for action.

The Project Manager shall maintain copies of all verification records in the contracting department.

Penalties for Non-Compliance. The Project Manager will document and report any findings of non-compliance with this Policy by a contractor to the contracting

department Director. The department Director will then submit a copy of the findings, and a recommendation for action or no action, to the Director of Law. If non-compliance with Chapter 187 C.O. is found regarding a certified sub-contractor, the department Director must also submit a copy of the findings to the Director of the OEO for determination of sanction(s) or penalty (ies) under that chapter and/or under the contract terms.

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Exhibit "B"

Ordinance No.1660-A-09

(As a substitute for Ord. No. 1660-09)

Mayor Jackson and
Council Member Cimperman

AN ORDINANCE

To supplement the Codified Ordinances of Cleveland, Ohio, 1976, by enacting new Sections 187A.01 to 187A.06 and 187A.99, relating to the Local Producer, Local-Food Purchaser, and Sustainable Business Preference Code.

WHEREAS, large purchasers of goods and materials such as the City of Cleveland can strengthen the regional economy by procuring a greater percentage of their purchases from local businesses; and

WHEREAS, purchasing local products will reduce the City of Cleveland's carbon footprint by reducing the distance that goods travel from factories and farms to the city, thereby decreasing the amount of harmful emissions; and

WHEREAS, the Greater Cleveland region has a vibrant manufacturing, industrial, and food production history and we are continuing to strengthen our local economy by supporting local producers; and

WHEREAS, purchasing local goods and materials will increase the City of Cleveland's self-reliance and resiliency, as well as acting as a model for local purchasing policies that support both local and regional business development and economic growth; and

WHEREAS, encouraging local businesses to follow sustainable practices will expedite their participation in high-growth sectors of the economy such as renewable energy, recycling, green building, zero waste and other sustainable businesses, which in turn will encourage more graduates to remain in the Greater Cleveland region and attract new talent to the region; now, therefore

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF CLEVELAND:

Section 1. That the Codified Ordinances of Cleveland, Ohio, 1976, are supplemented by enacting new Sections 187A.01 to 187A.06 and 187A.99, to read as follows:

(c) The OEO Director shall maintain complete and accurate records of the use of Local Producer's or Local-Food Purchaser's or Local Sustainable Businesses' goods, materials, supplies, or services in performance of the Contracting Department's Contracts, including the dollar value of orders supplied by Local Producers or Local-Food Purchasers or Local Sustainable Businesses, the nature of the goods, materials, supplies, or services provided, and the name and address, and the qualifications of each Local Producer or Local-Food Purchaser or Local Sustainable Business as such.

Section 187A.04 Sanctions for Noncompliance

If the OEO Director determines that a Contractor is in breach or default with respect to any representation regarding its status as a Local Producer or Local-Food Purchaser or Local Sustainable Business when the Contractor would not have been the lowest bidder or recommended proposer for a Contract but for application of any Bid Discount(s) or Evaluation Credit(s) based upon that status, the OEO Director, in addition to other remedies available with respect to the foregoing or other defaults under any Contract in question, may recommend that the Contracting Department Director cancel the contract and declare a forfeiture of any performance bond.

Section 187A.05 Responsibilities of Commissioner and Contracting Departments

The Commissioner and each Contracting Department shall:

(a) Endeavor to maximize the purchase of Local Producers, Local-Food Purchasers, and Local Sustainable Businesses goods, materials, supplies, or services in Contracts of $10,000 or less; and

(b) Develop lists of Local Producers, Local-Food Purchasers, and Local Sustainable Businesses for whose goods, materials, supplies, or services the City typically contracts.

Section 187A.06 Contracts with Other Governmental Entities as Contractors

Contracts or other agreements between the City and other political subdivisions, governmental, or quasi-governmental agencies, under which those entities receive money from or through the City for the purpose of contracting with Business Enterprises to perform projects in the City, shall encourage Business Enterprises to comply with the provisions of this Chapter in awarding, administering, and implementing the contracts.

Section 187A.99 Violations; Penalty

(a) No Person shall willfully falsify, conceal or cover up by a trick, scheme, or device a material fact, or make any false, fictitious, or fraudulent statements or representations or make use of any false writing or document knowing the same to

Ordinance No.1660-A-09

(As a substitute for Ord. No. 1660-09)

Mayor Jackson and
Council Member Cimperman

CHAPTER 187A
LOCAL PRODUCER, LOCAL-FOOD PURCHASER, AND SUSTAINABLE BUSINESS PREFERENCE CODE

Section 187A.01 Definitions of Terms

As used in this Chapter, the following words, phrases, and terms shall be defined as set forth below:

(a) "Bidder" means a Person offering or proposing to contract with the City respectively in response to an invitation to bid or to a request for proposals.

(b) "Bid Discount" means the application of a percentage discount to the total amount of a bid submitted by a Bidder for a Contract solely for the purpose of bid comparisons when determining the lowest and best bid, or lowest responsible bid. The use of a Bid Discount for Bid Comparison does not alter the total amount of the bid submitted by a Bidder or the Contract executed based on a bid.

(c) "Business Enterprise" means a firm, sole proprietorship, partnership, association, corporation, company, or other business entity of any kind including, but not limited to, a limited liability corporation, incorporated professional association, joint venture, estate, or trust.

(d) "City" means the City of Cleveland, Ohio.

(e) "Commercially Useful Function" means when a Local Producer or Local-Food Purchaser:

(1) Assumes the actual and contractual responsibility for furnishing the supplies or materials;

(2) Is recognized as a provider of the contracted supplies and materials by the industry involved;

(3) Owns or leases a warehouse, yard, building or other facilities for stocking inventory or otherwise conducts business in a manner which is usual and customary in the industry and market for the supplies or materials; and

(4) Distributes, delivers, and services products primarily with its own staff and/or equipment.

(f) "Commissioner" means the Commissioner of Purchases and Supplies or the Commissioner's designee.

(g) "Contract" means a binding agreement executed on or after the effective date of this Local Producer, Local-Food Purchaser, and Sustainable Business Preference Code by which the City either grants a privilege or is committed to expend or does expend its funds or other resources, or confers a benefit having monetary value including, but not limited to, a grant, loan, interest in real or personal property, or tax

incentive in any form for or in connection with any work, project, or public purpose including, but not limited to, a contract for the:

(1) Construction of any public improvement, including change orders or subsidiary agreements approved by the City during the performance of such Construction;

(2) Purchase of personal property;

(3) Purchase of any supplies, equipment or services; or

(4) Lease of any personal property.

"Contract" shall include a binding agreement, funded or benefited by the City, between a party to a Contract and a third party, but shall exclude contracts with other public entities, except as provided in Section 187.09.

(h) "Contracting Department" includes any administrative department under charge of the Mayor or any office, board, or commission treated or construed as a department of City government for any purpose under the Charter or ordinances of the City for the benefit or program of which the City enters into a particular Contract.

(i) "Contractor" means a separate or distinguishable Business Enterprise employing one or more persons and participating in the performance of a Contract and shall include a Person in privity of contract with a Contractor for implementation of a Contract.

(j) "Director" means the official authorized to enter into a Contract on behalf of a particular Contracting Department.

(k) "Evaluation Credit" means a predetermined number of points in the evaluation of proposals submitted by a Bidder for a Contract to be added solely for the purpose of proposal comparison when evaluating competing proposals. The use of Evaluation Credits does not alter the amount of the proposal submitted by a Bidder or the Contract executed based on the proposal.

(l) "Local Contracting Market" or "Contracting Market" means the geographic market area consisting of Cuyahoga County, Geauga County, Lake County, Lorain County, and Medina County, Ohio; provided, however, that with respect to growers or producers of food only, the geographic market area shall include: Erie County, Huron County, Richland County, Ashland County, Wayne County, Holmes County, Stark County, Summit County, Portage County, and Tuscarawas County.

(m) "Local Food" means and includes food that is grown, extracted, produced, recycled or manufactured within the Local Contracting Market.

(n) "Local Producer, Local-Food Purchaser, and Sustainable Business Preference Code", "Preference Code", "Code" or "Chapter" means all of the provisions of this Chapter 187A of the Codified Ordinances of Cleveland, Ohio, 1976.

(o) "Local Producer" means a Person that:

(1) has its principal office (headquarters) located physically in the Local Contracting Market and whose highest executive officers and highest level managers maintain their offices and perform their respective executive and managerial functions and duties in the Local Contracting Market; and

(2) A. grows food or fabricates goods, whether or not finished, from organic or raw materials;

B. processes goods, materials, food or other products so as to increase their commercial value by not less than 50%;

C. supplies goods by performing a Commercially Useful Function; or

D. provides, by its qualified full-time employees, maintenance, repair, personal, or professional services.

(p) "Local-Food Purchaser" means a Business Enterprise that, in implementation of its City contract, purchases Local Food in an amount comprising not less than twenty percent (20%) of the Business Enterprise's City Contract amount.

(q) "Local Sustainable Business" means a Business Enterprise that:

(1) has its principal office (headquarters) located physically in the Local Contracting Market and whose highest executive officers and highest level managers maintain their offices and perform their respective executive and managerial functions and duties in the Local Contracting Market; and

(2) has established sustainability goals for itself and is a member of or signatory to a nationally-recognized sustainability program, which goals and program have been determined acceptable by the City Chief of Sustainability or other officer designated by the Mayor.

(r) "OEO Director" means the Director of the Office of Equal Opportunity of the City.

(s) "Person" means and includes a natural person, a Business Enterprise or other entity, unless the context or usage requires otherwise.

Section 187A.02 Preference for Local Producers, Local-Food Purchasers, and Sustainable Businesses

(a) Application of Bid Discount - A Contracting Department shall apply a Bid Discount of two percent (2%) to a bid received from a Local Producer; two percent (2%) to a bid received from a Local Sustainable Business; and two percent (2%) to a bid received from a Local-Food Purchaser; provided that the maximum total Bid Discount applied under this division (a) shall not exceed four percent (4%). Bid

Discounts applied under this division (a) shall be in addition to any Bid Discount applied under Sections 187.03 and 187.05. The maximum amount of any Bid Discounts applied to a bid under this division (a) shall not exceed $50,000.00, provided, however, that the maximum cumulative amount of all Bid Discounts applied to the bid under this division (a) and under Sections 187.03 and 187.05 shall not exceed $75,000.00.

(b) Application of Evaluation Credit - A Contracting Department shall apply an Evaluation Credit of two percent (2%) of the total points awarded for a proposal received from a Local Producer, two percent (2%) of the total points awarded for a proposal received from a Local Sustainable Business, and two percent (2%) of the total points awarded for a proposal received from a Local-Food Purchaser; provided that the maximum total Evaluation Credit applied under this division (b) shall not exceed four percent (4%).

Section 187A.03 Duties of Director of Office of Equal Opportunity; Compliance Monitoring

(a) In addition to those duties specified in Section 123.08 and Section 187.02, the OEO Director, through the Office of Equal Opportunity employees as necessary, shall implement and enforce the provisions of this Code. The OEO Director's duties shall include, but not be limited to:

(1) Reviewing all submittals and other information required or necessary under this Code to determine whether a particular Person qualifies for certification or approval as a Local Producer or a Local-Food Purchaser or a Local Sustainable Business and is in compliance with this Code;

(2) Notifying an affected Contracting Department that the certificate or approval pertaining to a particular person is or is not currently effective with respect to the matters for which the same were issued;

(3) Initiating and receiving complaints of non-compliance with this Code; and

(4) Investigating complaints pertaining to non-compliance with this Code and recommending appropriate sanctions.

(b) The OEO Director shall monitor a Contractor's compliance with its bid representations of its qualification(s) as a Local Producer or Local-Food Purchaser or Local Sustainable Business during the performance of a Contract it was awarded because of applying a Bid Discount or Evaluation Credit under Section 187A.02. If the OEO Director determines that there is cause to believe that a Contractor failed to qualify as a Local Producer or Local-Food Purchaser or Local Sustainable Business as represented in its bid or proposal, the OEO Director shall notify the Contractor of the apparent breach of or default under the contract. The OEO Director may require a Contractor or Bidder to submit such reports, information and documentation as reasonably necessary to determine its status as a Local Producer or Local-Food Purchaser or Local Sustainable Business in the performance of its Contract.

contain any false, fictitious, or fraudulent statement or entry in any matter administered under this Chapter.

(b) No Person shall fraudulently obtain, attempt to obtain, or aid another Person fraudulently obtaining or attempting to obtain a Local Producer's or Local-Food Purchaser's or Local Sustainable Business' Bid Discount or Evaluation Credit.

(c) Any Person who violates the provisions of this section is guilty of a misdemeanor of the first degree.

(d) In addition to other remedies available with respect to violations of divisions (a) and (b) of this section, the OEO Director may recommend to a Contracting Department Director, and a Contracting Department Director may:

(1) Recommend to the Director of Law that the City take such legal action, whether civil or criminal, as the Director of Law deems appropriate;

(2) Disqualify a Bidder, Contractor, or other Business Enterprise from eligibility as Contractor, subcontractor, or Local Producer or Local-Food Purchaser or Local Sustainable Business for providing goods, materials, supplies, or services to the City for a period not to exceed two (2) years; or

(3) Make a claim for payment of damages, including but not limited to any liquidated damages specified in the Contract.

Section 2. That Sections 187A.01 to 187A.06 and 187A.99 of the Codified Ordinances of Cleveland, Ohio, 1976, shall take effect and be in force sixty (60) days after passage of this ordinance.

Section 3. That this ordinance shall take effect and be in force from and after the earliest period allowed by law.

JBM:RFH:nl
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FOR: Mayor Jackson

FAA
Airports

Exhibit "C"

Contract Provision Guidelines for Obligated Sponsors and Airport Improvement Program Projects

ACCESS TO RECORDS AND REPORTS

The Contractor must maintain an acceptable cost accounting system. The Contractor agrees to provide the Owner, the Federal Aviation Administration and the Comptroller General of the United States or any of their duly authorized representatives access to any books, documents, papers and records of the Contractor which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcriptions. The Contractor agrees to maintain all books, records and reports required under this contract for a period of not less than three years after final payment is made and all pending matters are closed.

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY

This section shall apply if this agreement includes tasks that meet the definition of construction work as defined by the U.S. Department of Labor and exceeds $10,000.

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade:	16%
Goals for female participation in each trade:	6.9%

These goals are applicable to all of the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a) and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities

and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this notice and in the contract resulting from this solicitation, the "covered area" is ***Cleveland, Cuyahoga County, Ohio***

BREACH OF CONTRACT TERMS

This provision is required for all contracts that exceed the simplified acquisition threshold as stated in 2 CFR Part 200, Appendix II (A). This threshold is occasionally adjusted for inflation and is now equal to $150,000.

Any violation or breach of terms of this contract on the part of the Contractor or its subcontractors may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement.

Owner will provide Contractor written notice that describes the nature of the breach and corrective actions the Contractor must undertake in order to avoid termination of the contract. Owner reserves the right to withhold payments to Contractor until such time the Contractor corrects the breach or the Owner elects to terminate the contract. The Owner's notice will identify a specific date by which the Contractor must correct the breach. Owner may proceed with termination of the contract if the Contractor fails to correct the breach by the deadline indicated in the Owner's notice.

The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available by law.

BUY AMERICAN PREFERENCE

This provision applies if this Agreement includes providing a manufactured good as a deliverable under the contract.

The Contractor agrees to comply with 49 USC § 50101, which provides that Federal funds may not be obligated unless all steel and manufactured goods used in AIP funded projects are produced in the United States, unless the Federal Aviation Administration has issued a waiver for the product; the product is listed as an Excepted Article, Material Or Supply in Federal Acquisition Regulation subpart 25.108; or is included in the FAA Nationwide Buy American Waivers Issued list.

CERTIFICATE OF BUY AMERICAN COMPLIANCE FOR MANUFACTURED PRODUCTS

This provision applies if this Agreement includes providing a manufactured good as a deliverable under the contract.

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with their proposal. The bidder or offeror must indicate how they intend to comply with 49 USC § 50101 by selecting one on the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (not both) by inserting a checkmark (✓) or the letter "X".

☐ Bidder or offeror hereby certifies that it will comply with 49 USC § 50101 by:

a) Only installing steel and manufactured products produced in the United States;
b) Installing manufactured products for which the Federal Aviation Administration (FAA) has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or
c) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

1. To provide to the Owner evidence that documents the source and origin of the steel and manufactured product.
2. To faithfully comply with providing U.S. domestic product.
3. To furnish U.S. domestic product for any waiver request that the FAA rejects
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

☐ The bidder or offeror hereby certifies it cannot comply with the 100 percent Buy American Preferences of 49 USC § 50101(a) but may qualify for either a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

1. To the submit to the Owner within 15 calendar days of the bid opening, a formal waiver request and required documentation that supports the type of waiver being requested.

2. That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination may result in rejection of the proposal.
3. To faithfully comply with providing U.S. domestic products at or above the approved U.S. domestic content percentage as approved by the FAA.
4. To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 3 Waiver – The cost of the item components and subcomponents produced in the United States is more that 60 percent of the cost of all components and subcomponents of the "item". The required documentation for a Type 3 waiver is:

a) Listing of all product components and subcomponents that are not comprised of 100 percent U.S. domestic content (Excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety).
b) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly at place of manufacture.
c) Percentage of non-domestic component and subcomponent cost as compared to total "item" component and subcomponent costs, excluding labor costs associated with final assembly at place of manufacture.

Type 4 Waiver – Total cost of project using U.S. domestic source product exceeds the total project cost using non-domestic product by 25 percent. The required documentation for a Type 4 of waiver is:

a) Detailed cost information for total project using U.S. domestic product
b) Detailed cost information for total project using non-domestic product

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

Date	Signature
Company Name	Title

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.

TITLE VI SOLICITATION NOTICE:

The **City of Cleveland**, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 USC §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders or offerors that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises (or airport concession disadvantaged business enterprises if this Agreement is a Concessions Agreement) will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

COMPLIANCE WITH NONDISCRIMINATION REQUIREMENTS:

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).

CLEAN AIR AND WATER POLLUTION CONTROL

This provision is required if the Agreement and lower tier contracts exceed $150,000.

Contractor agrees to comply with all applicable standards, orders, and regulations issued pursuant to the Clean Air Act (42 USC § 740-7671q) and the Federal Water Pollution Control Act as amended (33 USC § 1251-1387). The Contractor agrees to report any violation to the Owner immediately upon discovery. The Owner assumes responsibility for notifying the Environmental Protection Agency (EPA) and the Federal Aviation Administration.

Contractor must include this requirement in all subcontracts that exceeds $150,000.

CONTRACT WORKHOURS AND SAFETY STANDARDS ACT REQUIREMENTS

This provision applies if the Agreement exceeds $100,000 and employs laborers, mechanics, watchmen, and guards. This includes members of survey crews and exploratory drilling operations.

1. Overtime Requirements.

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic, including watchmen and guards, in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; Liability for Unpaid Wages; Liquidated Damages.

In the event of any violation of the clause set forth in paragraph (1) of this clause, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this clause, in the

sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this clause.

3. Withholding for Unpaid Wages and Liquidated Damages.

The Federal Aviation Administration (FAA) or the Owner shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this clause.

4. Subcontractors.

The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (4) and also a clause requiring the subcontractor to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this clause.

COPELAND "ANTI-KICKBACK" ACT

This section applies if the Agreement includes tasks that result in work that qualifies as construction, alteration, or repair as defined in 29 CFR Part 5 and it exceeds $2,000.

Contractor must comply with the requirements of the Copeland "Anti-Kickback" Act (18 USC 874 and 40 USC 3145), as supplemented by Department of Labor regulation 29 CFR part 3. Contractor and subcontractors are prohibited from inducing, by any means, any person employed on the project to give up any part of the compensation to which the employee is entitled. The Contractor and each Subcontractor must submit to the Owner, a weekly statement on the wages paid to each employee performing on covered work during the prior week. Owner must report any violations of the Act to the Federal Aviation Administration.

DAVIS-BACON REQUIREMENTS

This section applies if the Agreement includes tasks that result in work that qualifies as construction, alteration, or repair as defined in 29 CFR Part 5 and it exceeds $2,000.

1. Minimum Wages.

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalent thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided* that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under (1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can easily be seen by the workers.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination;

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers, or mechanics to be employed in the classification, or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii) (B) or (C) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program: *Provided* that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding.

The Federal Aviation Administration or the sponsor shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of work, all or part of the wages required by the contract, the Federal Aviation Administration may, after written notice to the Contractor, Sponsor, Applicant, or Owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and Basic Records.

(i) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 1(b)(2)(B) of the Davis-Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records that show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and that show the costs anticipated or the actual costs incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and

certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Federal Aviation Administration if the agency is a party to the contract, but if the agency is not such a party, the Contractor will submit the payrolls to the applicant, Sponsor, or Owner, as the case may be, for transmission to the Federal Aviation Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (*e.g.* the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at *www.dol.gov/whd/forms/wh347instr.htm* or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker and shall provide them upon request to the Federal Aviation Administration if the agency is a party to the contract, but if the agency is not such a party, the Contractor will submit them to the applicant, sponsor, or Owner, as the case may be, for transmission to the Federal Aviation Administration, the Contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, Sponsor, or Owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) The payroll for the payroll period contains the information required to be provided under 29 CFR § 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR § 5.5 (a)(3)(i), and that such information is correct and complete;

(2) Each laborer and mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations 29 CFR Part 3;

(3) Each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The Contractor or subcontractor shall make the records required under paragraph (3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the sponsor, the Federal Aviation Administration, or the Department of Labor and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Contractor, Sponsor, applicant, or Owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination that provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate that is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal Employment Opportunity. The utilization of apprentices, trainees, and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act Requirements.

The Contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.

6. Subcontracts.

The Contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR Part 5.5(a)(1) through (10) and such other clauses as the Federal Aviation Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR Part 5.5.

7. Contract Termination: Debarment.

A breach of the contract clauses in paragraph 1 through 10 of this section may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act Requirements.

All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes Concerning Labor Standards.

Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of Eligibility.

(i) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 USC 1001.

CERTIFICATION OF OFFERER/BIDDER REGARDING DEBARMENT

This section applies to covered transactions, *which are defined in 2 CFR part 180.*

By submitting a bid/proposal under this solicitation, the bidder or offeror certifies that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

CERTIFICATION OF LOWER TIER CONTRACTORS REGARDING DEBARMENT

This section applies to covered transactions, *which are defined in 2 CFR part 180.*

The successful bidder, by administering each lower tier subcontract that exceeds $25,000 as a "covered transaction", must verify each lower tier participant of a "covered transaction" under the project is not presently debarred or otherwise disqualified from participation in this federally assisted project. The successful bidder will accomplish this by:

1. Checking the System for Award Management at website: http://www.sam.gov.
2. Collecting a certification statement similar to the Certification of Offerer /Bidder Regarding Debarment, above.
3. Inserting a clause or condition in the covered transaction with the lower tier contract.

If the Federal Aviation Administration later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA may pursue any available remedies, including suspension and debarment of the non-compliant participant.

DISADVANTAGED BUSINESS ENTERPRISE

Information Submitted as a matter of bidder responsiveness:

The Owner's award of this contract is conditioned upon Bidder or Offeror satisfying the good faith effort requirements of 49 CFR §26.53.

As a condition of bid responsiveness, the Bidder or Offeror must submit the following information with its proposal on the forms provided herein:

1) The names and addresses of Disadvantaged Business Enterprise (DBE) firms that will participate in the contract;
2) A description of the work that each DBE firm will perform;
3) The dollar amount of the participation of each DBE firm listed under (1)
4) Written statement from Bidder or Offeror that attests their commitment to use the DBE firm(s) listed under (1) to meet the Owner's project goal; and
5) If Bidder or Offeror cannot meet the advertised project DBE goal, evidence of good faith efforts undertaken by the Bidder or Offeror as described in appendix A to 49 CFR part 26.

Information submitted as a matter of bidder responsibility:

The Owner's award of this contract is conditioned upon Bidder or Offeror satisfying the good faith effort requirements of 49 CFR §26.53.

The successful Bidder or Offeror must provide written confirmation of participation from each of the DBE firms the Bidder or Offeror lists in its commitment within five days after bid opening.

1) The names and addresses of Disadvantaged Business Enterprise (DBE) firms that will participate in the contract;
2) A description of the work that each DBE firm will perform;
3) The dollar amount of the participation of each DBE firm listed under (1)
4) Written statement from Bidder or Offeror that attests their commitment to use the DBE firm(s) listed under (1) to meet the Owner's project goal; and
5) If Bidder or Offeror cannot meet the advertised project DBE goal, evidence of good faith efforts undertaken by the Bidder or Offeror as described in appendix A to 49 CFR part 26.

SOLICITATION LANGUAGE (RACE/GENDER NEUTRAL MEANS)

The requirements of 49 CFR part 26 apply to this contract. It is the policy of the Department of Port Control to practice nondiscrimination based on race, color, sex, or national origin in the award or performance of this contract. The Owner encourages participation by all firms qualifying under this solicitation regardless of business size or ownership.

DISADVANTAGED BUSINESS ENTERPRISES

Contract Assurance (§ 26.13) –

The Contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of Department of Transportation-assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

1) Withholding monthly progress payments;
2) Assessing sanctions;
3) Liquidated damages; and/or
4) Disqualifying the Contractor from future bidding as non-responsible.

Prompt Payment (§26.29) – The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than 10 days from the receipt of each payment the prime contractor receives from the Department of Port Control. The prime contractor agrees further to return retainage payments to each subcontractor within 10 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the Department of Port Control. This clause applies to both DBE and non-DBE subcontractors. Failure to comply with these prompt payment requirements is a breach of the Contract, which may lead to any remedies permitted under law, including, but not limited to Contractor debarment.

TEXTING WHEN DRIVING

This section applies if the Agreement exceeds the micro-purchase threshold of 2 CFR §200.67 (currently set at $3,500).

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving", (10/1/2009) and DOT Order 3902.10, "Text Messaging While Driving", (12/30/2009), the Federal Aviation Administration encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or subgrant.

In support of this initiative, the Owner encourages the Contractor to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Contractor must include the substance of this clause in all sub-tier contracts exceeding $3,500 that involve driving a motor vehicle in performance of work activities associated with the project.

ENERGY CONSERVATION REQUIREMENTS

This section applies if the Agreement is AIP funded and must be included in all lower-tier contracts.

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to energy efficiency as contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 USC 6201*et seq*).

EQUAL OPPORTUNITY CLAUSE

This section applies if the dollar amount of the Agreement exceeds $10,000.

During the performance of this contract, the Contractor agrees as follows:

(1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identify, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff, or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) The Contractor will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section and

shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: *Provided, however*, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

FEDERAL FAIR LABOR STANDARDS ACT (FEDERAL MINIMUM WAGE) SOLICITATION CLAUSE

All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part-time workers.

The Contractor has full responsibility to monitor compliance to the referenced statute or regulation. The Contractor must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division.

CERTIFICATION REGARDING LOBBYING

This section applies if the dollar amount of the Agreement exceeds $100,000.

The Bidder or Offeror certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

PROHIBITION OF SEGREGATED FACILITIES

This section applies if the Agreement includes tasks that qualify as construction work as defined by 41 CFR part 60.

(a) The Contractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Employment Opportunity clause in this contract.

(b) "Segregated facilities," as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

(c) The Contractor shall include this clause in every subcontract and purchase order that is subject to the Equal Employment Opportunity clause of this contract.

OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970

All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. The employer must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The employer retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). The employer must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

PROCUREMENT OF RECOVERED MATERIALS

This section applies if the Agreement involves the procurement of a product that exceeds $10,000.

Contractor and subcontractor agree to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, and the regulatory provisions of 40 CFR Part 247. In the performance of this contract and to the extent practicable, the Contractor and subcontractors are to use products containing the highest percentage of recovered materials for items designated by the Environmental Protection Agency (EPA) under 40 CFR Part 247 whenever:

1) The contract requires procurement of $10,000 or more of a designated item during the fiscal year; or
2) The contractor has procured $10,000 or more of a designated item using Federal funding during the previous fiscal year.

The list of EPA-designated items is available at www.epa.gov/smm/comprehensive-procurement-guidelines-construction-products.

Section 6002(c) establishes exceptions to the preference for recovery of EPA-designated products if the contractor can demonstrate the item is:

a) Not reasonably available within a timeframe providing for compliance with the contract performance schedule;
b) Fails to meet reasonable contract performance requirements; or
c) Is only available at an unreasonable price.

RIGHTS TO INVENTIONS

This section applies if the Agreement is with a small business firm or nonprofit organization and includes the performance of experimental, developmental, or research work.

Contracts or agreements that include the performance of experimental, developmental, or research work must provide for the rights of the Federal Government and the Owner in any resulting invention as established by 37 CFR part 401, Rights to Inventions Made by Non-profit Organizations and Small Business Firms under Government Grants, Contracts, and Cooperative Agreements. This contract incorporates by reference the patent and inventions rights as specified within 37 CFR §401.14. Contractor must include this requirement in all sub-tier contracts involving experimental, developmental, or research work.

SEISMIC SAFETY

This section applies if the Agreement involves the construction of new buildings or structural additions to existing buildings.

In the performance of design services, the Consultant agrees to furnish a building design and associated construction specification that conform to a building code standard that provides a level of seismic safety substantially equivalent to standards as established by the National Earthquake Hazards Reduction Program (NEHRP). Local building codes that model their building code after the current version of the International Building Code (IBC) meet the NEHRP equivalency level for seismic safety. At the conclusion of the design services, the Consultant agrees to furnish the Owner a "certification of compliance" that attests conformance of the building design and the construction specifications with the seismic standards of NEHRP or an equivalent building code.

CERTIFICATION OF OFFERER/BIDDER REGARDING TAX DELINQUENCY AND FELONY CONVICTIONS

This section applies if the Agreement is funded in whole or part with AIP.

The applicant must complete the following two certification statements. The applicant must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The applicant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

1) The applicant represents that it is ( ) is not ( ) a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

2) The applicant represents that it is ( ) is not ( ) is not a corporation that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Note

If an applicant responds in the affirmative to either of the above representations, the applicant is ineligible to receive an award unless the sponsor has received notification from the agency suspension and debarment official (SDO) that the SDO has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The applicant therefore must provide information to the owner about its tax liability or conviction to the Owner, who will then notify the FAA Airports District Office, which will then notify the agency's SDO to facilitate completion of the required considerations before award decisions are made.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twentyfour (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. code that specifically classifies the offense as a felony and conviction of an offense that is classified as a felony under 18 U.S.C. § 3559.

Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

TERMINATION FOR CONVENIENCE (PROFESSIONAL SERVICES)

This section applies if the dollar amount of the Agreement exceeds $10,000.

The Owner may, by written notice to the Consultant, terminate this Agreement for its convenience and without cause or default on the part of Consultant. Upon receipt of the notice of termination, except as explicitly directed by the Owner, the Contractor must immediately discontinue all services affected.

Upon termination of the Agreement, the Consultant must deliver to the Owner all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Engineer under this contract, whether complete or partially complete.

Owner agrees to make just and equitable compensation to the Consultant for satisfactory work completed up through the date the Consultant receives the termination notice. Compensation will not include anticipated profit on non-performed services.

Owner further agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

TERMINATION FOR DEFAULT (PROFESSIONAL SERVICES)

Either party may terminate this Agreement for cause if the other party fails to fulfill its obligations that are essential to the completion of the work per the terms and conditions of the Agreement. The party initiating the termination action must allow the breaching party an opportunity to dispute or cure the breach.

The terminating party must provide the breaching party [7] days advance written notice of its intent to terminate the Agreement. The notice must specify the nature and extent of the breach, the conditions necessary to cure the breach, and the effective date of the termination action. The rights and remedies in this clause are in addition to any other rights and remedies provided by law or under this agreement.

a) **Termination by Owner**: The Owner may terminate this Agreement in whole or in part, for the failure of the Consultant to:
   1. Perform the services within the time specified in this contract or by Owner approved extension;
   2. Make adequate progress so as to endanger satisfactory performance of the Project; or
   3. Fulfill the obligations of the Agreement that are essential to the completion of the Project.

   Upon receipt of the notice of termination, the Consultant must immediately discontinue all services affected unless the notice directs otherwise. Upon termination of the Agreement, the Consultant must deliver to the Owner all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Engineer under this contract, whether complete or partially complete.

   Owner agrees to make just and equitable compensation to the Consultant for satisfactory work completed up through the date the Consultant receives the termination notice. Compensation will not include anticipated profit on non-performed services.

   Owner further agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

   If, after finalization of the termination action, the Owner determines the Consultant was not in default of the Agreement, the rights and obligations of the parties shall be the same as if the Owner issued the termination for the convenience of the Owner.

b) **Termination by Consultant**: The Consultant may terminate this Agreement in whole or in part, if the Owner:
   1. Defaults on its obligations under this Agreement;
   2. Fails to make payment to the Consultant in accordance with the terms of this Agreement;

3. Suspends the Project for more than [180] days due to reasons beyond the control of the Consultant.

Upon receipt of a notice of termination from the Consultant, Owner agrees to cooperate with Consultant for the purpose of terminating the agreement or portion thereof, by mutual consent. If Owner and Consultant cannot reach mutual agreement on the termination settlement, the Consultant may, without prejudice to any rights and remedies it may have, proceed with terminating all or parts of this Agreement based upon the Owner's breach of the contract

In the event of termination due to Owner breach, the Engineer is entitled to invoice Owner and to receive full payment for all services performed or furnished in accordance with this Agreement and all justified reimbursable expenses incurred by the Consultant through the effective date of termination action. Owner agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

TRADE RESTRICTION CERTIFICATION

This section applies if the Agreement is AIP funded.

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror –

1) is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (USTR);

2) has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the USTR; and

3) has not entered into any subcontract for any product to be used on the Federal project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the USTR.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18 USC Section 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the USTR or
2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such USTR list or
3) who incorporates in the public works project any product of a foreign country on such USTR list.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in all lower tier subcontracts. The Contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by USTR, unless the Offeror has knowledge that the certification is erroneous.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration (FAA) may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

VETERAN'S PREFERENCE

This provision applies if the Agreement is AIP funded and involves labor to carry out the project. This preference, which excludes executive, administrative, and supervisory positions, applies to covered veterans (as defined under 49 USC § 47112(c)) only when they are readily available and qualified to accomplish the work required by the project.

In the employment of labor (excluding executive, administrative, and supervisory positions), the Contractor and all sub-tier contractors must give preference to covered veterans as defined within Title 49 United States Code Section 47112. Covered veterans include Vietnam-era veterans, Persian Gulf veterans, Afghanistan-Iraq war veterans, disabled veterans, and small business concerns (as defined by 15 USC 632) owned and controlled by disabled veterans. This preference only applies when there are covered veterans readily available and qualified to perform the work to which the employment relates.

Exhibit "D"

Enterprise Information Modeling (EIM)
CAD/BIM/DATA SPECIFICATIONS
Department of Port Control (DPC) Asset Management (AM)

Version 0.7 1-2-2019

Questions pertaining to these specifications can be addressed to the DPC Asset Management Section. Any modifications to these specifications must be approved in advance of work performed and in writing by the AM section.

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RATIONALE:

The intent of these specifications is to organize the electronic data collected from the various consultants hired by the owner for the purpose of creating a Computerized Maintenance Management System (CMMS). These specifications can and will change over time as technology changes or the owner updates their systems. The electronic model data at each step of the project is considered the property of the owner and therefore its collection, organization, and format shall be under the owner's direction. Payment will be withheld until data delivery is accepted by AM.

DEFINITIONS:

As-builts: During and after construction, field measurements shall be taken under the oversight of a licensed Professional Surveyor in the State of Ohio. In addition to being used by construction management and the design consultant to verify that improvements were installed according to plan, a final set of electronic improvement plans, labeled "as-built" will be certified and submitted to DPC AM following the below deliverable specifications.

Coordinate System: Ohio State Planes North Zone US Foot (OH83-NF)

Electronic Deliverables: Shall include but not be limited to DWG, PDF, DGN, SHP, TXT etc...

First Generation PDF: The generation of a PDF from any design product shall be done by use of the native tools built into the software. The purpose is to achieve a searchable file as well as have the ability to turn layers on and off. For example, Autodesk AutoCAD based products have a plotter type named DWG to PDF. This tool should be used in lieu of the Adobe Acrobat plotter because it will generate the searchable format desired. It is **not** acceptable to print to paper and then scan to PDF/TIF.

Operating Software: The DPC utilizes the following file types for the disciplines involved:

- Architecture: Autodesk Revit Architecture (RVT)
- Civil Engineering: Autodesk Civil 3D (DWG)
- Mechanical, Electrical, Plumbing: Autodesk Revit MEP (RVT)
- Structural: Autodesk Revit Structure and Robot (RVT)
- GIS: Autodesk Map (ESRI SHP)
- Project Integration Management: Autodesk Navisworks (NVD)
- Point Clouds: Autodesk ReCap Pro

Owner: City of Cleveland, Department of Port Control, Asset Management

PDF: Portable Document Format, originally created by Adobe, but can be generated by various design software and applications.

Point Cloud: LIDAR data collected via aerial, terrestrial, or mobile methods shall be provided to the owner in both its RAW format and in a registered format. The data shall be provided in the file types requested by the owner. The storage devices used for the delivery of this data must be as directed by the owner.

BEST PRACTICES:

AutoCAD:

1) The base point of any DWG delivered to the owner shall be 0,0,0.
2) All deliverables to the owner shall have the UCS set to its default state. Only rotations utilizing DVIEW Twist will be accepted.
3) All drawing objects shall have their properties defined as BYLAYER.
4) Layers will meet the current DPC layer standards at the time of electronic drawing submittal.
5) Linework/models and their associated labels/text shall be on separate layers.
6) No exploded dimensions or drawing elements.

Revit:

1) The base point and rotation of any Revit model will be referenced to the survey base point assigned by the project's site engineer/surveyor. In the event that the project is interior only, exterior control shall be translated to the interior columns for accurate coordinate location. In the event the DPC has existing model data, it will be provided as the basis for all subsequent work and the data shall be submitted so that it can easily be added to the DPC's master model.

GIS:

1) All GIS data delivered to the owner shall be in the form of ESRI SHP files or ArcSDE as directed by the owner on a project by project basis.

DELIVERABLES:

CAD

A) All Electronic Deliverables delivered at any completion stage (30%, 60%, 90%, Bid Set and As-builts) shall be on the coordinate system directed by the owner. These deliverables shall also be in a format approved by the owner and on the current operating software.

B) Existing conditions files shall be provided to the owner in completed model form and raw data form ready for import and in the following formats:
   1) A PNEZD comma delimited coordinate file, post processed, on the coordinate system and using the DPC Survey Code List and line-work generation methodologies.
   2) An ETRANSMITTED DWG file representing the existing conditions in model form representing verbatim what is being submitted via PDF/copies. No alterations, exploding, bursting or other CAD detriment will be accepted.
   3) Each surface shall be submitted in a separate XML file, when applicable.
   4) Each alignment shall be submitted in a separate XML file, when applicable.
   5) The raw data provided should include everything necessary to generate the existing conditions base map without any additional manual drafting efforts. This includes but is not limited to:
      a. The PNEZD file as described above
      b. The Figure Prefix Library necessary to generate the linework as required
      c. The Civil 3D template set up sufficiently to handle all the imported points, their descriptions, point styles and label styles for the purpose of generating a model of existing conditions.
      d. Acceptance of the final deliverable will include the effort of importing the above information with the successful results ready for use.

C) A comprehensive first generation PDF encompassing all sheets for the entire plan set, including the DPC title sheet and table of contents identifying all included sheets, shall be submitted when submitting improvement plans to the DPC.

POINT CLOUDS

Point Cloud files are the property of the owner and shall be provided to the owner in the following formats:

1) The RAW scans in the format provided by the hardware manufacturer.
2) A post processed, registered point cloud with a registration error report in the native hardware format. Registrations must meet the owner's requirements and approval.
3) The post-processed, registered point cloud in the RCP format for use with Autodesk modeling.
4) Data shall be delivered on a media approved for the size of the data sets including but not limited to, high speed USB flash drives, high speed external hard drives, blu-ray discs. Format to be coordinated and approved before delivery. In some instances, depending on the magnitude of a project, a hard drive array will be required as part of the project for storage and delivery of the data.
5) The consultant is expected to maintain a copy of this data for the entire project duration and a period of 3 years after final payment. In the event of extended projects, the consultant will maintain the data indefinitely until the owner provides a written release of responsibility for the data.

Point Clouds for as-built deliverables, in addition to the above requirements:

1) Point cloud comparisons will be provided in rendered results showing discrepancies. Both data sets used for these analyses shall be provided to the owner. A procedure list showing analysis technique steps will be provided to the owner as part of the as-built effort.
2) Standard project as-built line-work will be generated from the point cloud as well as surfaces for the purpose of comparison to proposed design.

GEOTECHNICAL

All geotechnical exploration shall be submitted in the following format, tested and functional before final acceptance.

The following three comma separated values (CSV) are required:

1) Location Details.csv : this is **required** and contains the hole location details on the DPC coordinate system.
2) Field Geological Descriptions.csv : this is **required** and contains the geological strata information
3) Orientation and Inclination.csv : this file is optional and is used for inclined borings.

1) Location Details.csv

This file contains a row for each individual hole location, the table below gives details of the individual column headings and which fields are mandatory.

Column Heading	Description	Mandatory	Example
Location ID	Location unique ID	Yes	BH0001
Location Type	Type of activity at location	Yes	RC
Easting	Easting or longitude of the location of hole	Yes	123456.4
Northing	Northing or latitude of the location	Yes	232467.3
Ground Level	Ground level relative to datum of location or start of traverse	Yes	35.43
Final Depth	Final Depth		8.37

Below is an example of the Location Details.csv, note the case and spacing in the column headers. These headings must be exact or the data will not import properly into the DPC systems. Sample files can be provided upon request.

```
Location ID,Location Type,Easting,Northing,Ground Level,Final Depth
BH127,CP,399838.29,301075.08,13.45,12.5
BH128,CP,399809.58,301145.9,13.69,11.75
BH129,CP,399802.58,301195.2,13.6,21.95
BH130,CP,399758.58,301221,14,20
BH134,CP+RC,399757.08,301268.1,13.89,52.7
BH135,CP,399795.91,301272.33,13.69,30.15
BH136,CP,399725.18,301339,11.69,10.05
BH137,CP,399671.18,301433,6.4,10.05
BH138,CP,399657.18,301492,5.69,10.05
BH139,CP,399737.18,301399.9,5.19,6.1
BH140,CP,399796.18,301321.1,11.89,5.05
```

2) Field Geological Descriptions.csv

Contains the strata or banding data per location of stratum, the four columns Legend Code, Geology Code, Geology Code2 and BGS Lexicon are not all mandatory, but at least one should be fully populated to allow the software to correctly band the boreholes and strata.

Column Heading	Description	Mandatory	Example
Location ID	Location identifier	Yes	BH001
Depth Top	Depth to the TOP of stratum	Yes	7.43
Depth Base	Depth to the BASE of description	Yes	8.12
Legend Code	Legend code		102
Geology Code	Geology code		LC
Geology Code2	Second geology code		SAND

Below is an example of the Field Geological Descriptions.csv, note the case and spacing in the column headers. These headings must be exact or the data will not import properly into the DPC systems. Sample files can be provided upon request.

```
Location ID,Depth Top,Depth Base,Legend Code,Geology Code,Geology Code 2,BGS Lexicon,Description
BH127,0,0.65,101,FILL,,,TOPSOIL
BH127,0.65,1.1,102,FILL,,,Sandy grey brown soil with many fragments of glass and plastic. MADE GROUI
BH127,1.1,2.7,404,GLACIAL TILL,,,Dense grey-brown SAND with medium poorly graded gravel of mudstone
BH127,2.7,9.2,220,BOULDER CLAY,,,Firm brown very sandy CLAY with a little subangular to subrounded r
BH127,9.2,12.5,205,BOULDER CLAY,,,Brown CLAY with a little well rounded medium cobbles.
BH128,0,2.6,101,FILL,,,TOPSOIL
BH128,2.6,6.3,404,GLACIAL TILL,,,Dense grey-brown SAND with medium poorly graded gravel of mudstone
BH128,6.3,11.75,220,BOULDER CLAY,,,Firm brown very sandy CLAY with a little subangular to subrounded
BH129,0,0.5,101,FILL,,,TOPSOIL
BH129,0.5,1.8,102,FILL,,,Sandy grey brown soil with many fragments of glass and plastic - MADE GROUI
```

3) Orientation and Inclination.csv

The third file, Orientation and Inclination.csv, is optional and contains information on the direction of the bore hole.

Only entries for when the borehole is not vertical need to be added.

Note: the inclination for a standard vertical hole is 90°, and inclination of the 0° would create a horizontal borehole, and inclination of -90° would create a vertical hole going upwards.

Column Heading	Description	Mandatory	Example
Location ID	Location identifier	Yes	BH001
Orientation	Orientation of hole (degrees Clockwise from north)		135
Inclination	Inclination of hole (measured positively down from horizontal in deg)		75

Below is an example of the Orientation and Inclination.CSV file. Note the case and spacing in the column headers. These headings must be exact or the data will not import properly into the DPC systems. Sample files can be provided upon request.

```
Location ID,Orientation,Inclination
BH129,210,74
BH135,135,75
CPT1,,90
```

NAMING CONVENTIONS AND COMMUNICATIONS

When submitting files electronically (by email, links or other methods) to the DPC, a date prefix in the form of YY-MMDD, where YY equals a two digit year, MM equals a two digit month and DD equals a two digit day. For example, the date July 11, 2017 is represented by 17-0711. This prefix shall be added to any file submitted in addition to a descriptive name and project reference. For example, a model plot submitted by a consultant on July 11, 2017 for the Access Control Project will be named:

17-0711 AC Model.PDF

When corresponding with the DPC on any asset management related correspondence, the email subject line shall include the task/project name reference and description of content. For example, if the contractor is sending a message for a budget meeting regarding the SRE/VMB building project, the subject line should contain sufficient information to recognize the content by a passive review of the subject lines. For example...

Subject: SRE/VMB Budget Mtg.

It is not permissible to submit subject lines like the following:

Subject: Mtg.

Subject: FW:

Subject: Building Project

Subject: Follow up to mtg.

PLAN AND FORM REQUIREMENTS

The DPC will provide templates for various submittal requirements.

1) As-built Title Sheet: Upon request, the DPC will provide a template to be used for all plan sheet submittals.
2) Submittals: Upon request, the DPC will provide templates for the various forms required to do business with the City of Cleveland Department of Port Control.