

## Special Notice to Contractors - 22

### 1. SCOPE

- 1.1 This chapter intends to provide guidelines to the Contractor or Sub-Contractor so that they can properly present their materials for inclusion in the construction project.
- 1.2 The Contractor shall follow the procedures listed below to ensure the proper inspection, sampling, testing, and certification of materials and products incorporated into all construction projects.
- 1.3 “Prequalification of Bidders” (Standard Specifications, Subsection 102.01) is synonymous with any reference to the CDOT “Pre-Qualification List”. A Prime Contractor requiring additional information regarding bidding can go to <https://www.codot.gov/business/bidding>.
- 1.4 The Qualified Manufacturers List (QML) is used for suppliers of Steel Reinforcing Bars & Steel Dowel Bars, Epoxy Coaters for Reinforcing Steel, and Precast Concrete Structures. These products are required to be selected off the QML. All relevant details for the proper submittal of specified Standard Manufactured Materials and Fabricated Structural Materials are found in CDOT’s Field Materials Manual under CP 11, Quality Management Plans for the Qualified Manufacturers List or the Approved Products List.

### 2. PROVIDE NOTIFICATION OF MATERIALS SOURCES AND SUPPLIERS

- 2.1 Per Subsection 106.01 of the Standard Specifications: The Contractor shall submit a formal list of material sources and suppliers to the Engineer at least two weeks before delivery; however, it is preferable that the list be presented at the Pre-Construction Meeting. The Department will sample and test materials proposed by the Contractor to be utilized for Items 203, 206, and 304. If the Department test results indicate the material is not in conformance with the project specifications, the Contractor is directed to Subsection 106.02 regarding Contractor Source materials and additional testing requirements.
- 2.2 The list shall include: item to be supplied, quantity, a reference to the level of acceptance required by CDOT (per Section 7, Designated Products and Assemblies), company’s name and address manufacturing the material or product, and contact person (if the material is to be pre-inspected or if a problem exists with the material delivered). The submitted list shall indicate, immediately after the item being referenced, the applicable acceptance level required:
  - (A) Pre-Inspection (PI)
  - (B) Certified Test Report (CTR)
  - (C) Certificate of Compliance (COC)
  - (D) Pre-Approved (per APL &/or QML)
- 2.3 All required product or material documentation shall be provided at the point and time of delivery to the construction project. Failure to provide the required documents, such as CTRs and COCs, may result in the rejection of the materials. Failure to utilize the QML or APL may result in the rejection of the materials.

**3. INNOVATIVE CONTRACTING (DESIGN / BUILD PROJECTS, CM/GC PROJECTS, ETC.) - MATERIALS DOCUMENTATION RECORD, CDOT FORM #250**

- 3.1 Two weeks before construction of any element of work the Contractor shall furnish the Engineer a schedule of items, approximate quantities to be incorporated into the project, and a reference to the method of acceptance required by CDOT (per Section 7, Designated Products and Assemblies). This information is to include the item of work with its placement location and dates. The Contractor shall immediately notify the Engineer, in writing, if the items of work or quantities are revised.
- 3.2 At the completion of the project, the Contractor shall furnish the Engineer with a completed CDOT Form 250 either created before the start of the project or at the end of the project by the Materials Documentation Unit - Materials Documentation Record listing items utilized to construct the project and the approximate quantity of each item.

**4. BUY AMERICA REQUIREMENTS**

- 4.1 Per Subsection 106.11 of the Standard Specifications as referenced in 23 CFR Part 635.410:
- 4.1.A Regulations require the use of domestic steel and iron in Federally funded construction projects. Buy America applies to construction components which are “predominately steel products,” defined by CDOT as products that are manufactured with at least 80% steel or iron content when delivered to the job site for installation. (See “C” below for examples.) CDOT provides waivers for manufactured products and products that are not predominately steel or iron. (See “D” below for examples.) Buy American strict limits, but does not eliminate, the amount of foreign steel. (See “E” for minimum use & waiver information.)
- 4.1.B All manufacturing processes are defined as “processes required to change the raw ore or scrap metal into the finished, in-place steel or iron product”. Manufacturing begins with the initial melting and mixing and continues through the coating stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process.
- 4.1.C Examples of products that are subject to Buy America requirements include, but are not limited to, the following:
- steel or iron products used in pavements, bridges, tunnels, or other structures, which include, but are not limited to, the following: fabricated structural steel, reinforcing steel, piling, high strength bolts, anchor bolts, dowel bars, permanently incorporated sheet piling, bridge bearings, cable wire/strand, pre-stressing / post-tensioning wire, motor/machinery brakes and other equipment for moveable structures;
  - guardrail, guardrail posts, end sections, terminals, cable guardrail;
  - steel fencing material, fence posts;
  - steel or iron pipe, conduit, grates, manhole covers, risers;
  - mast arms, poles, standards, trusses, or supporting structural members for signs, luminaires, or traffic control systems; and
  - steel or iron components of precast concrete products, such as reinforcing steel, wire mesh, and pre-stressing or post-tensioning strands or cables.

- 4.1.D Examples of products that are exempt from Buy America requirements include, but are not limited to, the following:
- products made of material other than steel or iron (aluminum, copper, brass, nickel, etc.);
  - cabinets, covers, shelves;
  - clamps, fittings, sleeves;
  - washers, bolts, nuts, screws;
  - tie wire, spacers; chairs;
  - lifting hooks;
  - faucets; and
  - door hinges.
- 4.1.E Buy America will not prevent a minimal use of foreign steel or iron provided the total project delivery cost of all such steel and iron which includes the cost of delivering the steel and iron to the project, does not exceed one-tenth of one percent of the total contract cost or \$2,500, whichever is greater. With prior concurrence from FHWA Headquarters, the FHWA Division Administrator may grant a waiver of the Buy America requirements for specific projects. When domestic steel products are available, meeting the contractor's schedule should not be the basis for requesting a Buy America waiver.
- 4.1.F The Contractor shall maintain the certifications on file at the project that every process, including the application of a coating, performed on steel or iron products either has or has not been carried out in the United States of America. These certifications shall create a chain of custody, and the lack of these certifications will be justification for the rejection of the steel or iron product.
- 4.1.G Before the permanent incorporation into the project of any steel or iron product (domestic or foreign), the Contractor shall certify in writing to the Project Engineer monthly that the delivered quantity of each material meets the contract Buy America requirements; that a copy of the Buy America Certification from the Supplier is on file in the Contractor's project office; and the steel or iron products comply with the plans and specifications for this project. {Examples are included in this section}

The Contractor shall maintain a document summarizing the date and quantity of the material utilizing CDOT's Item Number(s) and Item Description(s) delivered to the project (examples on Page 14 & 16), along with the quantity of material installed during the month. The Contractor shall provide documentation of the project delivered cost of all foreign steel or iron permanently incorporated into the project, if any monthly (example on Page 15). This summary shall be delivered to the Project Engineer monthly as established per the revision of Section 106.11 of the Standard Specifications for Road and Bridge Construction. A monthly summary shall be required even if no steel or iron products are incorporated into the project during the month.

**Note 1:** CDOT Standards and Specifications Subsection 106.11 contains specific information on Buy America Requirements and Buy America PowerPoint has been published using the following links:

<https://www.codot.gov/business/designsupport/materials-and-geotechnical>

[https://www.codot.gov/business/designsupport/bulletins\\_manuals/2019-cdot-construction-manual](https://www.codot.gov/business/designsupport/bulletins_manuals/2019-cdot-construction-manual)

## 5. GLASS BEADS for PAVEMENT MARKING

- 5.1 The material shall meet the requirements of The CDOT Standard Specifications Subsection 106.11, Section 627, and Subsection 713.08.

## 6. QUALITY MANAGEMENT PLANS FOR THE QUALIFIED MANUFACTURERS LIST OR THE APPROVED PRODUCTS LIST

- 6.1 CP 11 specifies requirements and procedures for a certification system that shall apply to all referenced manufacturers, as well as suppliers and contractors within certain industries. Certifying a Manufacturer's Quality Management Plan is not an automatic acceptance of any particular product, but an acknowledgment that the Manufacturer has taken steps to ensure that their quality controls meet the applicable Industry standards. Manufacturers whose Quality Management Plans are acceptable will be placed on the Qualified Manufacturers List (QML). Only Manufacturers listed on the QML will be eligible to provide the referenced products to a CDOT project.

- 6.2 The following Standard Manufactured Materials as referenced in CP 11 require the annual submission of a Quality Management Plan (QMP) along with a sample for evaluation. Materials and Geotechnical Branch/ Asphalt Program maintains the QMP for the Sub-Part 1, Asphalt Binder, and the Sub Part 2, Asphalt Emulsion. Contact them at: [michael.stanford@state.co.us](mailto:michael.stanford@state.co.us) or 303-398-6576. For the Sub-Part 3,4, and 5 the QMP will be managed by: [eric.prieve@state.co.us](mailto:eric.prieve@state.co.us) or 303-398-6542.

- Part I, Standard Manufactured Materials
  - Sub-Part 1.Asphalt Binder
  - Sub-Part 2.Asphalt Emulsion
- Part I, Standard Manufactured Materials
  - Sub-Part 3.Hydraulic Cement
  - Sub-Part 4.Fly Ash
  - Sub-Part 5.Hydrated Lime

These products are located on the APL. <https://apps.coloradodot.info/apl/AplSearch.cfm>

- 6.3 The following Fabricated Structural Materials as referenced in CP 11 require the annual submission of a Quality Management Plan (QMP).

- Part II, Fabricated Structural Materials
  - Sub-Part 1.Steel Reinforcing Bars & Steel Dowel Bars.  
Subject Matter Expert: [eric.prieve@state.co.us](mailto:eric.prieve@state.co.us) or 303-398- 6542  
<https://www.codot.gov/content/apl/SteelReinforcingBarsAndSteelDowelBars.pdf>
  - Sub-Part 2.Epoxy Coaters of Reinforcing Steel.  
Subject Matter Expert: [melody.perkins@state.co.us](mailto:melody.perkins@state.co.us) or 303-398- 6562  
<https://www.codot.gov/content/apl/EpoxyCoatingForReinforcingSteel.pdf>
  - Sub-Part 3.Precast Conc. Structures.  
Subject Matter Expert: [melody.perkins@state.co.us](mailto:melody.perkins@state.co.us) or 303-398- 6562  
<https://www.codot.gov/content/apl/PrecastConcreteStructures.pdf>

The QML is located within CDOT's Approved Products List (APL) website, at:  
<https://www.codot.gov/business/apl/qualified-manufacturers-list.html>.

A Notice to Manufacturers is located within the same website that references specific evaluation protocols including AASHTO's National Transportation Product Evaluation Program (NTPEP).

- 6.4 The respective QML website pages are updated regularly. All pages will have at least one revision referencing acceptability for the new calendar year.

## 7. DESIGNATED PRODUCTS AND ASSEMBLIES

- 7.1 The majority of materials submitted for inclusion on CDOT projects will fall within one of four methods of product acceptance for their sampling and testing. CDOT always retains the right through its Quality Assurance (QA) Program to obtain samples for additional testing and require supplemental documentation.

- 7.2 If the material or product is not referenced within the four methods of product acceptance then the materials or products must be fabricated or supplied per the requirements of the applicable Colorado Department of Transportation specifications, plans, and standards. An example of processed materials not found in the following four methods is Aggregate Base Course (ABC), Hot Mix Asphalt (HMA), and Concrete (PCCP). An example of a manufactured product treated uniquely is the Dynamic Message Signs (DMS) which are competitively bid on projects or through state awards.

### 7.3.a. PRE-INSPECTION (PI):

Pre-Inspection is when representatives from the Colorado Department of Transportation visit a manufacturer's facility to perform an initial review of the company's quality control plan and employee certifications, as well as subsequent inspection visitations during the manufacturing of the product. Inspection arrangements shall be made by contacting the CDOT Staff Bridge Fabrication and Construction Inspectors at: [kevin.howland@state.co.us](mailto:kevin.howland@state.co.us) (303) 757-9339 a minimum of 10 days before the beginning of fabrication. Failure to give notice will result in delays to the project and/or rejection of materials or products.

**Note:** Bearing Devices and Expansion Devices are inspected randomly at the discretion of the Staff Bridge Fabrication Inspectors.

#### Products needing Pre-Inspection:

- Bearing Devices (Type III) - Bridge<sup>A</sup>
- Expansion Device, Modular - Bridge<sup>A</sup> (0-6", through, 0-24")
- Pre-stressed Concrete Units - Bridge<sup>A</sup>
- Structural Steel - Bridge<sup>A</sup>
- Precast Concrete Deck Panels - Bridge<sup>A</sup>

#### **Note:** <sup>A</sup> - Staff Bridge Fabrication Inspectors

CDOT Form 193 is to be provided with the above-referenced products.

**7.3.b. CERTIFIED TEST REPORT (CTR):**

The Certified Test Report method of acceptance is when a manufacturer is required to submit the actual test results performed on the material being provided. The CTR shall contain the actual results of tests for the chemical analysis, heat treatment, and/or mechanical properties per the drawing and/or specification. The contract will designate products and assemblies that can be incorporated in the work if accompanied by Certified Test Reports. The word preceding the "Test Report" may vary between different industries, such as Certified, Mill, Metallurgical, Laboratory; however, they are all considered equivalent.

Per CDOT Standard Specifications, Subsection 106.13, and the requirements of this document, each CTR shall include:

1. Department's project number,
2. Manufacturer's name,
3. Address of manufacturing facility,
4. Laboratory name & address,
5. Name of product or assembly,
6. A complete description of the material,
7. Model, catalog, stock no. (if applicable),
8. Lot, heat, or batch number identifying the material delivered,
9. Date(s) of the laboratory testing,
10. All test results that are required to verify that the material furnished conforms to all applicable Department specifications. Test results shall be from tests conducted on samples taken from the same lot, heat, or batch.
11. The following certification, signed by a person having legal authority to act for the Contractor:  
[Example included in this chapter.]

The Certified Test Report shall be a legible copy or an original document and shall include the Contractor's original or electronic signature. The signature (including corporate title) on the Certified Test Report, under penalty of perjury, shall be of a person having legal authority to act for the manufacturer or the independent testing laboratory. It shall state that the test results show that the product or assembly to be incorporated into the project has been sampled and passed all specified tests in conformity to the plans and specifications for this project. One legible copy or original document of the fully signed Certified Test Report shall be furnished to the Engineer before installation of the material. Failure to comply may result in delays to the project and/or rejection of the materials.

Each product or assembly delivered to the project must contain the lot, heat, or batch number identical to that on the accompanying Certified Test Report. Products or assemblies furnished based on Certified Test Reports may be sampled and tested by the Department and if determined that the material does not meet the applicable specifications, the material will be rejected or accepted according to CDOT Standard Specifications, Subsection 105.03. [An example of what is required on a CTR is included in this chapter.]

**Products requiring Certified Test Report** (below is an incomplete list):

- Bearing Devices (Type III) - Bridge<sup>A</sup>
- Bridge Deck Forms, Permanent Steel <sup>A</sup>
- Cribbing, Steel
- Geogrid (or COC, per project specs)
- Glass Beads (for pavement marking)
- Mechanical Fasteners (Field) <sup>A</sup>
- Overhead Sign Structures <sup>A</sup>
- Pedestrian & Bikeway Railing
- Quicklime
- Soil Conditioner
- Structural Plate Structures
- Top Soil
- Traffic Signal Structures <sup>A</sup>
- Water, Non-Potable
- Welded Wire Reinforcement

**7.3.c. CERTIFICATE OF COMPLIANCE (COC):**

The Certificate of Compliance method of acceptance is when a manufacturer is required to submit a document certifying that the material being provided meets all required Department specifications. A COC shall reference the required specifications for the chemical analysis, heat treatment, and/or mechanical properties per the drawing and/or specification, but not the actual test results. The contract will designate products and assemblies that can be incorporated in the work if accompanied by Certificates of Compliance.

Per Subsection 106.12 of the Standard Specifications and the requirements of this document, the certificate shall include:

1. Department's project number,
2. Manufacturer's name,
3. Address of manufacturing facility,
4. Laboratory name & address,
5. Name of product or assembly,
6. A complete description of the material,
7. Model, catalog, stock no. (if applicable),
8. Lot, heat, or batch number identifying the material delivered,
9. Date(s) of the laboratory testing,
10. Listing of all applicable specifications required by the Department for this particular product or assembly. Certificates shall reference the actual tests conducted on samples taken from the same lot, heat, or batch, and shall include a statement that the product or assembly to be incorporated into the project was fabricated per required Buy America specifications and meets the applicable specifications.
11. The following certification, signed by a person having legal authority to act for the Contractor:  
[Example included in this chapter.]

The original Certificate of Compliance shall include the Contractor's original or electronic signature. The original or electronic signature (including corporate title) on the Certificate of Compliance, under penalty of perjury, shall be of a person having legal authority to act for the manufacturer. It shall state that the product or assembly to be incorporated into the project has been sampled and passed all specified tests in conformity to the plans and specifications for this project. One legible copy of the full original or electronically signed Certificate of Compliance shall be furnished to the Engineer before installation of the material. The original shall be provided to the Engineer before payment for the represented item will be made.

Each product or assembly delivered to the project must contain the lot, heat, or batch number identical to that on the accompanying Certificate of Compliance. Products or assemblies furnished based on Certificates of Compliance may be sampled and tested by the Department and if determined that the material does not meet the applicable specifications, the material will be rejected or accepted according to CDOT Standard Specifications, Subsection 105.03.

[An example of what is required on a COC is included in this chapter.]

**Note 3:** If the Plans do not specifically reference a Certified Test Report (Mill Test Report) and the product category is not listed on the Approved Products List within the Pre-Approved level of acceptance, then a COC will be required.

**Products requiring Certificate of Compliance** (below is an incomplete list):

- AEP (Asphalt Emulsion Prime)
- Aggregate Bag (for the bag, CTR for aggregate.)
- Bearing Devices (Type I, II <sup>A B</sup>)
- Bridge Rail, Steel <sup>A</sup>
- Catch Basin Insert
- Cattle Guard Boxes, Pre-Cast
- Concrete Box Culverts, Precast
- Dampproofing, Asphalt
- Delineator Posts, Steel
- Ditch Control (Erosion Log & Silt Dike)
- Dust Palliative, Asphaltic or Magnesium Chloride
- Erosion Bales <sup>D</sup>
- Expansion Joint Material, Preform. Filler
- Fence (Wires & Posts)
- Fertilizer
- Flumes (all types) Gabions and Slope Mattress
- Gaskets
- Geogrid (for Erosion Control)
- Glass Beads (for PMM)
- Guard Rail - End Anchors
- Guard Rail Metal <sup>A</sup>
- Guard Rail Posts - Metal <sup>A</sup>
- Guard Rail - Precast
- Guard Rail Posts - Timber Blocks and Posts <sup>A</sup>

- Hay <sup>D</sup>
- Headgates
- Hydraulic Soil Stabilizers
- Inlets, Grates, and Frames (Prefab)
- Interior Insulation
- Irrigation Systems
- Lighting, all items
- Light Standards, High Mast
- Light Standards, Metal
- Luminaires (Inclusive)
- Manholes, Rings, and Covers (Prefab)
- MSE Wall - Elements <sup>A,C</sup>
- Mulch (Hydraulic or Dry Applied)
- Mulch Tackifier
- Pedestrian Bridge <sup>A</sup>
- Perimeter Control (Silt Fence)
- Piling <sup>A</sup>
- Pipes - all material compositions
- Rest Area Materials (construction of)
- Retaining Wall Blocks
- Seeding (Native), Seed <sup>C</sup>
- Sign Panels
- Sprinkler System(s)
- Steel Chairs
- Steel Sign Posts
- Steel Sheet Piling <sup>A</sup>
- Storm Drain Inlet Protection
- Straw <sup>D</sup>
- Structural Glazed Tile and Ceramic Tile
- Structural Plate Structures <sup>A</sup>
- Structural Steel Galvanized <sup>A</sup>
- Treated Timber
- Vegetation (Sod & Plants)
- Water, Potable
- Water Control Devices
- Water Lines
- Welded Wire Mesh

**Note 4:**

1. Mill Test Report shall be included.
2. Certified Test Report(s) on components must accompany the material or product.
3. Certified Test Report shall be included.
4. The contractor may obtain a current list of Weed Free Forage Crop Producers by contacting the Colorado Department of Agriculture at (303) 239-4149

Examples of CTR stamps or affixed stickers to be placed on Certified Test Reports (CTRs) Electronic CTR Stamp Instructions are located at the end of this chapter. As per CDOT PD 21.1 and CDOT PD 508.1

I hereby certify under penalty of perjury that the material listed in this Certified Test Report represents _____ (quantity and units) of pay item _____ _____ (pay item # and description) that will be installed in conformance with the plans and specifications on Project Number _____. _____	
Contractor Rep. Signature	Date

Examples of COC stamps or affixed COC stickers to be placed on Certificates of Compliance (COCs) Electronic COC Stamp instructions are located at the end of this chapter. As per CDOT PD 21.1 and CDOT PD 508.1.

I hereby certify under penalty of perjury that the material listed in this Certificate of Compliance represents _____ (quantity and units) of pay item _____ _____ (pay item # and description) that will be installed in conformance with the plans and specifications on Project Number _____. _____	
Contractor Rep. Signature	Date

**7.3.d. PRE-APPROVED (APL):**

The Pre-Approved method of acceptance is when a manufacturer is required to submit all relevant documentation on their product in advance of any specific project. A primary requirement to be considered for the Approved Products List (APL) is that the material retains a very high level of uniformity and consistency in its production quality (i.e. not project-specific).

The submittal of Product literature /Tech Data Sheet (TDS), Certificates of Compliance, Certified Test Reports, Materials Safety Data Sheets (MSDS), etc., as well as product samples for specific categories, combine all previous methods of acceptance into one. A manufacturer whose product is not currently on the APL should read and follow the instructions within the Notice to Manufacturers on the APL website at <https://www.codot.gov/business/apl>

Product evaluations can take a minimum of four months to over two years for some product categories. If CDOT specifications need to be altered or created for a product's acceptance then it could take even longer.

Per CDOT's Procedural Directive 1401.1, a manufacturer's product is evaluated within CDOT to determine its acceptability on CDOT construction projects, as defined by CDOT specifications, plans, and standards. For additional information on the APL or the website contact the Product Evaluation Coordinator within the Staff Materials & Geotechnical Branch at: [edward.trujillo@state.co.us](mailto:edward.trujillo@state.co.us) or 303-398-6566.

Locate products on the website at: <https://www.codot.gov/business/apl> then go to APL search, and then use the referenced Category, the Manufacturer's name, or the Product name.

A "category / Sub-Category / Base-Category" search requires that the drop-down menus be used.

**Approved Products List Search Screen**

Choose a field to search by:

- Category
- Manufacturer Name
- Product Name
- Product Number

Next >>

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**Approved Products List Search Screen**

Search by Category

Instructions:

- Select a Category from the List/Menu
  - To select a Subcategory, you must select a Category.
  - To select a Basecategory, you must select a Subcategory.
  - To select all Categories, Click the Search button.

Category: (choose a category or click search) ▼

- (choose a category or click search)
- Adhesive
- Asphalt
- Bridge Structures
- Concrete
- Drainage
- Environmental
- Erosion Control
- Expired Specification
- Maintenance
- Paint / Coating
- Pedestrian Safety
- Right-of-Way Structure
- Roadway Safety
- Sealant / Joint and Crack
- Sediment / Pollution Control
- Soil / Geotechnical
- Steel
- Traffic Control
- Waterproofing

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**Approved Products List Search Screen**

Search by Category

Selected Category: **Concrete**

- Select a Sub Category from the List/Menu
  - To select a Basecategory, you must select a Subcategory.
  - To select all Sub Categories, Click the Search button.

Sub-category: Admixture ▼

- (choose a subcategory or click search)
- All Subcategories
- Admixture
- Cement
- Curing
- Experimental Features [Concrete]
- Fiber
- Grout
- Pozzolan
- Repair/Patching

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## APL User Guidance

1. If three or more products are listed for any applicable category then one of these products shall be selected. If the category is unpopulated a COC will be required for the product used. If the category is under-populated a COC will be required for the product used if not from the APL. CDOT's Subject Matter Expert (SME) for the applicable category shall be contacted for assistance. A CTR may be requested if the Project Engineer deems it appropriate. Contact the CDOT Product Evaluation Coordinator at: [edward.trujillo@state.co.us](mailto:edward.trujillo@state.co.us) or 303-398-6566 for a list of SMEs or assistance with any questions.
2. Products that are evaluated on a batch or lot basis and subsequently posted on the APL website will not be posted indefinitely. They expire two years after their CTR date or they will be removed sooner if informed that the batch or lot is depleted. Specifically, this refers to (1) single component, hot-applied, elastomeric membranes for bridge decks, (2) hot poured, joint/crack sealant, and (3) asphalt plug joints. The Batch # or Lot # must be included in the CTR.
3. Asphalt Binder and Asphalt Emulsions: Approved asphalt binders and emulsions are valid for the calendar year in which they were tested and approved, as per CP 11. The year is incorporated into the product name. On February 1<sup>st</sup> of each calendar year, all products from two previous years will be automatically removed. CDOT Asphalt SME: [michael.stanford@state.co.us](mailto:michael.stanford@state.co.us)
4. Environmental Erosion Control and Sediment / Pollution Control: All questions regarding this category's materials, both the current specifications and the products, should be directed to the CDOT Staff Environmental Branch SME: [greg.fischer@state.co.us](mailto:greg.fischer@state.co.us)
5. Traffic Control Pavement Marking Material Sub-Category: All questions regarding pavement marking materials, both the current specifications and the products, should be directed the CDOT Staff Traffic Branch SME: [alisa.babler@state.co.us](mailto:alisa.babler@state.co.us)
6. Geosynthetics and Geotextiles:  
CDOT Materials and Geotechnical SME: [david.thomas@state.co.us](mailto:david.thomas@state.co.us)  
<https://www.codot.gov/business/designsupport/materials-and-geotechnical/materials-bulletins/Materials%20Bulletin%202008%20No%201.pdf/view>  
This Materials Bulletin clarifies the terminology and application of geosynthetics as specified in the Standard Specifications and the Standard Special Provision (SSP), *Revision of Sections 208, 420, 605, and 712 – Geosynthetics and Geotextiles*.  
Only geotextiles on the New York DOT's Approved Products List (NY APL) may be used on CDOT projects.  
The web address for the NY APL is:  
<https://www.dot.ny.gov/divisions/engineering/technical-services/technical-services-repository/alme/pages/470-1a.html>  
Or follow the New York State website navigation process you can refer to (NYDOT APL Instructions) at [www.dot.ny.gov/index?nd=nysdot](http://www.dot.ny.gov/index?nd=nysdot). (See Item 420 on the OA Schedule for instructions should the direct link be broken.)

**Note:** If a proposed geotextile product is not on the NY APL, the manufacturer will need to contact NYDOT and submit samples for testing and approval before use on a CDOT project. All geotextiles shall conform to AASHTO M 288; the tables in Subsection 712.08 of the Standard Specifications have been deleted by the SSP, *Revision of Sections 208, 420, 605, and 712 – Geosynthetics and Geotextiles*.

7. Concrete Mix Designs:

The APL website <https://www.codot.gov/business/apl/concrete-mix-designs> contains a folder listing concrete mix designs that have been pre-approved. When a concrete mix is placed on the APL, it meets the most current CDOT Standard Specifications; however, it may not meet a CDOT project's Special Provisions. CP 62 is the procedure for approving all concrete mixes for use on a CDOT project. (Review FMM Chapter 600). Contact [valentino.niculae@state.co.us](mailto:valentino.niculae@state.co.us) or 303-398-6549 for further information.

8. Warm Mix Asphalt (WMA) Mixes:

The APL website contains a folder listing approved WMA technologies and a folder listing approved contractors for specific WMA technologies that have been pre-approved for use on CDOT Projects. Use of a WMA mix on a Project shall be approved by the Project Engineer with the concurrence of the Region Materials Engineer. Warm Mix Asphalt SME: [michael.stanford@state.co.us](mailto:michael.stanford@state.co.us)

9. Contractors are required to submit a document entitled Contractor's APL Verification along with a copy of the CDOT Form 595 to the project engineer documenting the selection of the CDOT APL products that they wish to include for project incorporation. (Example included in this chapter.)

10. APL Quality Assurance Program: Upon selecting the sub-category or base category the Product Identification Number (PID), Product Name, Manufacturer, and Comments will be displayed.

- A. By clicking on the PID / CDOT Form 595 the Pre-Approved Product Evaluation Request & Summary will be displayed. This will provide the customer with both a mini product data sheet and the information necessary for additional product analysis for specific utilization.
- B. If a product fails to perform within minimum quality expectations contact the CDOT Product Evaluation Coordinator [edward.trujillo@state.co.us](mailto:edward.trujillo@state.co.us) or 303-398-6566, immediately via e-mail also listed on the APL website.

**DISCLAIMER:** The Colorado Department of Transportation (CDOT) is not obligated to any manufacturer to use any of their products listed in the Approved Products List (APL). The APL simply documents that the listed products have been reviewed, tested, and evaluated against CDOT standards, and were found to be acceptable to be used in CDOT projects. Acceptance is based on product quality; however, price or availability may be the determining factor by a contractor or sub-contractor on the CDOT project.

The product shall be removed from the APL if Product Performance comments indicate that field performance is unacceptable to CDOT quality standards or if the product varies from the data as originally submitted. Additional disclaimer information can be found on the APL website.

## APL Categories

**Note 5:** Adhesives are no longer listed in the APL. They will be used on a project-by-project approval basis only. Contact Staff Bridge Subject Matter Expert or the Product Evaluation Coordinator for further information: [edward.trujillo@state.co.us](mailto:edward.trujillo@state.co.us)

**Note 6:** Maintenance\Alternate Traction Devices: House Bill 19-1207 CRS 42-4-106 (5)(a) (I) (F) 2 CCR 601-14 Rules Governing Chain Law and Passenger Vehicle Traction Law Requirements on the State Highways.

<https://www.sos.state.co.us/CCR/GenerateRulePdf.do?ruleVersionId=8590&fileName=2%20CCR%20601-14>

Contact the Maintenance Staff Engineer for further information: [tyler.weldon@state.co.us](mailto:tyler.weldon@state.co.us)

**Note 7:** Sealant\Mastic\Black for Asphalt/ Grey for Concrete used for Bridge Construction will be on the CDOT APL for further information contact: [edward.trujillo@state.co.us](mailto:edward.trujillo@state.co.us). The Maintenance requirement for the Sealant must meet the required ASTM D8260 specifications, for further information contact: [tyler.weldon@state.co.us](mailto:tyler.weldon@state.co.us).

**Note 8:** Traffic Control\Reflective Element\Delineator Post Marker will not be listed in the APL Staff Traffic is moving to replace the product with the Flexible Post Reflector. The project can continue to purchase the Delineator Post Marker (Reflector) as a Project Special only. For further information contact: [edward.trujillo@state.co.us](mailto:edward.trujillo@state.co.us) or [Alisa.babler@state.co.us](mailto:Alisa.babler@state.co.us)

**Note 9:** Sound Barrier Wall: *Acceptance Method:* Project by Project approval only. The Contractor shall provide the Engineer with one copy of ***Certified Test Reports (furnished by the supplier)*** to validate the structural values required of the wall. Field-inspect and document on CDOT Form 157 that the material is acceptable, then retain all copies in the Project Files. Contact the Staff Bridge SME: [Andy.Pott@state.co.us](mailto:Andy.Pott@state.co.us) for the structure requirements. Contact the Standards and Specifications SME [Joshua.keith@state.co.us](mailto:Joshua.keith@state.co.us) for the MASH 09 testing requirements. Contact the Air Quality and Noise Program Manager SME [rose.waldman@state.co.us](mailto:rose.waldman@state.co.us) for the acoustic qualities guidance.

**Note 10:** Concrete\Grout\Post Tensioned: Project By Project approval only. This product is no longer on the CDOT Approved Products List. Contact Concrete Program Manager SME [eric.prieve@state.co.us](mailto:eric.prieve@state.co.us)

### APL Category List

<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Adhesive:	Anchoring, Lateral:	Acrylic	See Note 5
		Cementitious	See Note 5
		Epoxy	See Note 5
	Anchoring, Overhead:	Polyester	See Note 5
		N/A	See Note 5
		Bonding:	Epoxy

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>	
Asphalt:	Asphalt Release Agent:	Truck Bed Only	401.09.01.00	
		Truck & Equipment	401.09.01.00	
	Binder:	PG 58-28	702.01.01.01	
		PG 58-34	702.01.01.02	
		PG 64-22	702.01.01.03	
		PG 64-28	702.01.01.04	
		PG 70-28	702.01.01.05	
		PG 76-28	702.01.01.06	
	Emulsion:	Emulsion:	CSS-1	702.03.18.00
			CSS-1h	702.03.19.00
			CRS-2	702.03.15.00
			CRS-2P	702.03.21.00
			CRS-2R	702.03.23.00
			CQS-1h	702.03.20.00
			HFMS-2	702.03.08.00
			HFMS-2s	702.03.10.00
			HFMS-2P	702.03.25.00
			HFMS-2sP	702.03.26.00
			HFMS-2h	702.03.09.00
			HFRS-2P	702.03.24.00
			SS-1	702.03.11.00
	SS-1h	702.03.12.00		
	ARA-1P	702.04.02.00		
Hydrated Lime:	N/A	712.03.01.00		
Roadway Patching:	Pre-Mixed [Bagged]	401.02.01.00		

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Bridge Structures:	Geo-composite Drain:	N/A	712.12.01.00
	Thin Bonded Overlay:	Epoxy	Project App
		Non-Epoxy	Project App
	Structural Wrapping Repair	N/A	Project App

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>		
Concrete:	Admixture:	Admixture categories	711.02.01.00		
		Curing Compound:	Curing Compound Categories	711.01.01.00	
	Cement:		Portland Cement, ASTM C 150	701.01.01.00	
			Blended Cement, ASTM C 595	701.01.02.00	
			Blended Cement [Type IL] [MS]	701.01.02.06	
			Blended Cement [Type IL] [HS]	701.01.02.07	
			Blended Cement [Type IT] [MS]	701.01.02.08	
			Blended Cement [Type IT] [HS]	701.01.02.09	
			Slag Cement / Slag Grade 100	701.05.01.01	
			Slag Cement / Slag Grade 120	701.05.01.02	
			Pozzolan:	Fly Ash, Class C	701.02.01.00
				Fly Ash, Class F	701.02.02.00
		High Reactivity	701.02.04.00		
		Silica Fume	701.03.01.00		

<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>	
Concrete:	Fiber:	Macro Fiber	709.04.02.00	
		Micro Fiber	709.04.02.00	
Concrete:	Grout:	General Purpose [Non-Shrink]	601.02.14.00	
		Post-Tensioned Cable	See Note 10	
		PCCP Grout	618.09.00.00	
		<b>Region Approved</b>	<b>Plant Mix Grout</b>	<b>618.02.14.01</b>
	Tie Bar Anchorage Repair/Patching:		PCCP Tie Bar Epoxy	412.13.00.00
			Rapid Set, Horizontal	601.09.01.00
			Rapid Set, Vertical & Overhead	601.09.01.00
			Bonding Agent	601.09.01.00
			Class DR [Pre-Packaged]	618.08.00.00

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Drainage:	Culvert Pipe:	Culvert Lining [Repair]	707.12.01.00
		Open-Cut/Direct-Bury	712.13.02.00
	Manholes & Inlets:	Manhole Riser	604.04.01.00
		Trench Drain	712.14.01.00
		Plastic Drains	712.14.01.00

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Environmental:	Sound Wall:	Absorptive	See Note 9
		Reflective	See Note 9
Erosion Control:	Soil Retention Rolled:	SRB [Biodegradable Class 1]	216.02.02.00
		SRB [Photodegradable Class 1]	216.02.02.00
		SRB [Biodegradable Class 2]	216.02.02.00
		SRB [Photodegradable Class 2]	216.02.02.00
Erosion Control:	Soil Retention Rolled:	TRM [Class1]	216.02.03.00
		TRM [Class 2]	216.02.03.00
		TRM [Class 3]	216.02.03.00
		TRM [Class 4 / woven]	216.02.03.00
Erosion Control:	Ditch Control:	Silt Berm	208.02.02.00
Sediment/Pollution Ctrl:	Construction Inlet Protect.:	Storm Drain Inlet Protect. (Type 1)	208.02.08.01
		Storm Drain Inlet Protect. (Type 2)	208.02.08.01
		Storm Drain Inlet Protect. (Type 3)	208.02.08.01
Sediment/Pollution Ctrl:	Concrete Washout Structure:	Pre-Fabricated [Above Ground]	208.02.14.00
Sediment/Pollution Ctrl:	Vehicle Tracking Control:	Pre-Fabricated	208.02.15.01

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Maintenance	Deicing, Liquid	Magnesium Chloride (Cat. 1)	712.04.01.00
Maintenance	Deicing, Granular	Brining Salt, Dry, Std (Cat. 8A-B)	712.04.02.00
		Road Salt, Dry, Std (Cat. 8A-R)	712.04.02.00
		Wet Salt, Std (Cat. 8B)	712.04.02.00
		Brining Salt, Dry, Fine (Cat. 8C)	712.04.02.00
		Road Salt, Dry, Fine (Cat. 8C-R)	712.04.02.00
Maintenance	Inhibitor / Enhancer	Corrosion Inhib, NaCl (Cat. A-1)	712.04.02.01
		Corrosion Inhib, NaCl (Cat. A-3)	712.04.02.01
Maintenance	Alternate Traction Device	Chain	712.15.00.00
		Cable Chain	712.15.00.00

<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Paint / Coating:	Anti-Graffiti:	N/A	708.02.01.00
	Concrete Corrosion Inhibitor:	N/A	708.08.01.00
	Epoxy Coating:	N/A	708.03.03.00
	Structural Concrete Coating:	N/A	708.08.01.00
	Structural Steel Paint:	N/A	708.03.02.00
	Wire Coating:	N/A	

Pedestrian Safety:	ADA Truncated Dome:	Embedded	608.02.03.00
		Retrofit	608.02.03.00
	Joint System	N/A	705.01.03.00

Right-of-Way Structure:	Mailbox Support System:	N/A	210.13.01.00
	Utility Enclosure:	N/A	604.04.02.00
	Fence, Non-Standard Coating	N/A	710.03.01.00
	Pole Base Hardware:	N/A	713.05.01.00

<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Roadway Safety:	Cable Barrier:	MASH 2016 TL-3	606.02.06.00
		MASH 2016 TL-4	606.02.06.00
	Guardrail W-Beam:	Guardrail End Treatment	606.02.03.00
		Guardrail End Treat., Spec. App.	606.02.03.00
		Guardrail Synthetic Block-out	606.02.04.00
		Sand Barrel Array	614.07.02.00
		Guardrail Median Terminal	606.02.02.00
	Crash Cushion:	Barrier End Treatment (Terminal)	606.02.02.00
		Impact Attenuator, Std. Perm.	614.07.02.00
		Impact Attenuator, Wide, Perm.	614.07.02.00
		Impact Atten., Lo-Maint, Perm.	614.07.02.00
		Impact Atten., Spec-App, Perm.	614.07.02.00
		Pedestrian & Bicycle Vehicle	514.05.01.00
	Railing		606.02.05.00

Sealant [Joint & Crack]:	Asphaltic Plug Joint:	N/A	518.03.01.00
		Hot Poured, Joint/Crack:	ASTM D 6690, Type II
		ASTM D 6690, Type IV	702.06.01.00
		ASTM D 5078	702.06.02.00
	Mastic:	Black for Asphalt	702.06.03.00
		Grey for Concrete	702.06.04.00

<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Sealant [Joint & Crack]:	Silicone, Joint:	Non-Sag	705.01.01.00
		Self-Leveling	705.01.01.00
	Pre-Formed Joint Filler:	N/A	705.01.02.00
		Loop Detector Slot:	One Component
			Two Component

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Soil / Geotechnical:	Stabilization:	Chemical, Liquid	308.03.02.01
	Void Elimination:	Polyurethane Foam, Hi Density	308.03.02.01

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Traffic Control:	Portable Changeable Message:	Trailer Mount	630.03.01.00
		Vehicle Mount	630.03.01.00
	Arrow Board:	Type A	630.03.01.00
		Type B	630.03.01.00
		Type C	630.03.01.00
		Type D	630.03.01.00
	Speed Notification:	Radar/Message Trailer	630.03.01.00
		Speed Display Trailer	630.03.01.00
		Speed Display Device	630.03.01.00
	Traffic Control Enhancement:	AFAD	630.04.01.00
		Flashing Beacon	614.06.01.00
		Warning Light	630.08.02.00
		Raised Island, Temporary	630.08.02.00
		Rumble Strip, Temporary	630.08.02.00
		Glare Screen	630.08.01.00
		Channelizing Device:	Cone
	Tubular Marker		630.05.02.00
	Vertical Panel		630.06.01.00
	Drum		630.06.02.00
	Barricade, Type 1		630.06.02.00
Barricade, Type 2	630.06.02.00		
		Barricade, Type 3	630.06.02.00

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Traffic Control	Channelizing Device:	Direction Indicator Barricade	630.02.02.00
		Longitudinal Channelizing Device	630.06.04.00
		Opposing Traffic Lane Divider	630.06.03.00
	Delineator:	Flexible Post	612.02.02.00
		Flexible, Multiple Hit Post	612.02.02.00
		Guardrail Mount	612.02.02.00
	Reflective Element:	Barrier (Solid Wall) Marker	612.02.04.00
		Guardrail & Post Marker	612.02.04.00
		Delineator Post Marker	See Note 8
	Post Anchoring:	Linear Reflector Strip	612.02.05.00
		Mechanical System	612.05.01.00
	Traffic Barrier, Temporary:	Polyurethane Foam, Backfill	614.02.03.00
		Barrier, Non-Concrete	630.07.01.00
		Barrier Gate	630.07.01.00
	Crash Cushion, Temporary:	Concrete Pre-Cast Barrier [Type 7]	630.08.00.00
		Impact Attenuator, Temporary	630.08.04.00
		Truck Mounted Attenuator (TMA)	630.08.03.00
		Trailer Mounted Attenuator	630.08.03.00

<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Traffic Control:	Sign Stand:	N/A	630.02.01.00
Traffic Control:	Pave. Marking Material:	Preformed Plastic Tape, Type I, Perm.	713.13.01.00
		Preformed Plastic Tape, Type II, Perm.	713.13.01.00
		Preformed Plastic Tape, Type III Perm.	713.13.01.00
		Thermoplastic, Hot Applied	713.12.01.00
		Thermoplastic, Preformed, No-Preheat	713.14.01.00
		Thermoplastic, Preformed, Preheat	713.14.01.00
		Epoxy Paint, Standard	713.17.01.01
		Epoxy Paint, Modified	713.17.01.02
		Waterborne	708.05.02.00
		Waterborne, Hi-Build	708.05.03.00
		Polyurea, Paint	713.17.02.00
		Methyl Methacrylate	713.19.01.00
		Recessed Pavement Marker	713.18.02.00
		Raised Flexible Marker (Temp.) 7	13.18.01.00
		Temp. / Construction, Tape	713.16.01.00
		Temp. / Construction, Paint	713.16.02.00
Traffic Control:	Lighting / Light Standards	Conduit, Pull boxes, misc. wiring Items	613.02.00.00

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Traffic Control:	Sign Sheeting:	ASTM D4956, TypeIV	713.04.01.00
		ASTM D 4956, Type V	713.04.01.00
		ASTM D 4956, Type VI	713.04.01.00
		ASTM D 4956, Type VI	713.04.01.00
		[Roll-up & Cone Collar]	713.04.01.00
		ASTM D 4956, Type VIII	713.04.01.00
		ASTM D 4956, Type VIII, Fluorescent	713.04.01.00
		ASTM D 4956, Type IX	713.04.01.00
		ASTM D 4956, Type IX, Fluorescent	713.04.01.00
		ASTM D 4956, Type XI	713.04.01.00
		ASTM D 4956, Type XI, Fluorescent	713.04.01.00
		Films / Miscellaneous	713.04.01.00

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<u>APL Category</u>	<u>APL Sub-Category</u>	<u>APL Base Category</u>	<u>Material Code</u>
Waterproofing:	Concrete Sealer:	Alkyl-alkoxy Silane	515.03.01.00
		Non-Alkyl-alkoxy Silane	515.03.01.00
		Penetrating Epoxy	515.03.01.00
		Micro-Subsurface Repair	515.03.01.00
	Elastomeric Membrane:	Single Component, Hot Applied	705.09.01.00
		Non-Asphaltic	705.08.01.00

**Example Letters, Notices, and Forms**  
**Sample Buy America Certification**

The specification requires the Contractor to certify that he has obtained all the correct certifications from the manufacturers and suppliers and maintain the certifications on file at the project. These Buy America certifications are to be received and approved by CDOT before the materials are incorporated into the project. Once the Contractor receives the Buy America certification from manufacturers and suppliers, the Contractor shall provide CDOT with a Buy America certification such as the example below. CDOT does not accept blanket Buy America letters covering all materials.



Kryptonite Construction Inc.  
13369 W. Rocky Rd.  
Smallville, Colorado 91130  
Phone 999-123-4567

Attn: Project Engineer  
Date: August 3, 2022  
Re: CDOT Contract ID: 53124  
Re: CDOT Project No. CC 00-0000-00

**Subject: Buy America Certification & Exception for Foreign Steel**

Kryptonite Construction hereby certifies that during the month of July 2018 the materials and quantities represented below, to be incorporated into the project, meet the contract Buy America requirements. We also certify that the Buy America Documents and certifications required by Section 106.11 are on file at the project.

1.) 550 LF of 24" culvert pipe for bid item 603-01180

**Minor Exceptions:** \_\_\_ Yes  X  No

A value less than 1/10 of 1% of the total contract cost or \$ 2,500.00 whichever is greater.

Documentation is in our Project Files.

Respectfully,

*Clark Kent*

Clark Kent  
Construction Manager  
Kryptonite Construction Inc.

**EXAMPLE**  
**Buy America Requirements**  
**(Per requirements of Subsection 4.1)**  
**(Original Signatures Required, No Facsimiles Accepted)**

Note 1: The Buy America Certification is to always be received by the Project Engineer before the steel or iron being incorporated into the project.

Note 2: The delivery date and/or the incorporation date may be included in the letter.

**This example depicts what is to be provided for each delivery.**

### Sample Summary of Buy America Quantities

This is a suggested format for the reconciliation of the Buy America Certification quantities with Installed Quantities. The Contractor shall submit this summary monthly to the Project Engineer for material incorporated during the previous month. The Project Engineer will verify the information in the Summary and all Buy America certifications provided by the Contractor. Before approving a progress payment, the Resident Engineer will verify that the quantities in the Contractor’s summary document match the quantities in the progress payment.



*Kryptonite Construction Inc.*

**Summary of Buy America Certifications Received for Installed Steel / Iron Products**

CDOT Project No.: CC000-000-00  
 CDOT Contract ID: 53124  
 Summary for the Period Ending: July 2018

	Item	Item Description	Delivery Date	Quantity Delivered to Project	Unit	Delivered Cost *	BUY AMERICA CERTIFICATION Quantity	Installed Quantity	Unit	Installation Month	BUY AMERICA CERTIFICATION Date
	603-01180	24" culvert pipe	11-Jul-18	550	LF		550	300	LF	July	9-Jul-18
							550	250	LF	August	9-Jul-18
<b>Total</b>	603-01180	24" culvert pipe		550	LF			550	LF		

Prepared by: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* If there is any foreign steel or iron permanently incorporated into the project the Contractor shall provide documentation of the project delivered cost of that foreign steel or iron.

**EXAMPLE**

Suggested format for the reconciliation of the Buy America Certification quantities with Installed Quantities. The Contractor shall submit this summary to the Project Engineer.

Subsection 4.1.G "The Contractor shall maintain a document summarizing the date and quantity of the material utilizing CDOT Item Number(s) and Item Description(s) delivered to the project, along with the quantity of material installed during the month."

**CLARIFICATION:** This summary example indicates that the Period Ended in October. The Buy America Certification date is from July 9th and the Delivery Date is from July 11th. This example document summarizes the quantity delivered along with the quantity installed.

**Note: This example depicts what is to be provided monthly summarizing delivery and installation.**

### Sample Buy America Certification with Exceptions

The specification requires the Contractor to document the project delivered costs of any foreign steel or iron permanently incorporated into the project. This is an example of the requirement. An electronic signature or original signature can be submitted to the CDOT project.



Kryptonite Construction Inc.  
13369 W. Rocky Rd.  
Smallville, Colorado 91130  
Phone 999-123-4567

Attn: Project Engineer  
Date: October 4, 2022  
Re: CDOT Contract ID: 53124  
Re: CDOT Project No. CC 00-0000-00

#### Subject: **Buy America Certification & Exception for Foreign Steel**

Kryptonite Construction hereby certifies that during the month of September 2018 the materials and quantities represented below, to be incorporated into the project, meet the contract Buy America requirements. We also certify that the Buy America Documents and certifications required by Section 106.11 are on file at the project.

- 1.) 150 LF of 24” culvert pipe for bid item 603-01180

**Minor Exceptions:**   X   Yes        No

A value less than 1/10 of 1% of the total contract cost or \$ 2,500.00 whichever is greater.  
Documentation is in our Project Files.

- 1.) 16 panels of ADA Truncated Domes which were imported from China were incorporated into the project. The total contract cost to date of imported steel or iron is \$1,831.66.

Respectfully,

*Clark Kent*

Clark Kent  
Construction Manager  
Kryptonite Construction Inc.

**EXAMPLE**  
**Buy America Requirements**  
**(Per requirements of Subsection 4.1)**  
**(Original Signatures Required, No Facsimiles Accepted)**



*Kryptonite Construction Inc.*

**Summary of Buy America Certifications Received for Installed Steel / Iron Products**

CDOT Project No.: CC000-000-00

CDOT Contract ID: 53124

Summary for the Period Ending: September 2018

Item	Item Description	Delivery Date	Quantity Delivered to Project	Unit	Delivered Cost *	BUY AMERICA CERTIFICATION Quantity	Installed Quantity	Unit	Installation Month	BUY AMERICA CERTIFICATION Date
603-01180	24" culvert pipe	25-Sep-18	150	LF		150	150	LF	September	21-Sep-18
608.02.03.00	ADA Trunc Dome, 2x3	27-Sep-18	16	EA		0	16	EA	September	

Prepared by: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* If there is any foreign steel or iron permanently incorporated into the project the Contractor shall provide documentation of the project delivered cost of that foreign steel or iron.

**EXAMPLE**

Suggested format for the reconciliation of the Buy America Certification quantities with Installed Quantities. The Contractor shall submit this summary to the Project Engineer.

Subsection 4.1.G "The Contractor shall maintain a document summarizing the date and quantity of the material utilizing CDOT Item Number(s) and Item Description(s) delivered to the project, along with the quantity of material installed during the month."

**CLARIFICATION:** This summary example indicates that the Period Ended in September. A Buy America Certification was not provided for the embedded type ADA Truncated Dome panels of a dimension of 2' x 3' each. This summary example correlates to the Buy America Certification & Exception for Foreign Steel document on the preceding page.

American Glass Bead Inc.  
 Desert Ray, Tx. 76660  
 Phone: (254)562-2541  
 Fax: (254)562-2542  
[www.agbi.com](http://www.agbi.com)

**CERTIFIED TEST REPORT**

Colorado Department of Transportation (CDOT) project number: MTCE 03-022  
 Name of Product: AASHTO M 247 Type 1 Colorado Spec Glass Beads  
 \*Product Code: AGBI- 0123  
 Product Batch Number: 021805  
 \*Product date of manufacturing: April 25, 2017  
 \*Quantity Shipped: 44000 Pounds  
 \* Date of Shipment: TBA  
 Laboratory Information:  
 \*AGBI Inc.: HWY 40 & FCR 145  
 \*Testing Date: 2/18/05  
 \* Samples Tested: Samples are from Batch # 021805  
 AASHTO Designation M 247  
 \*AASHTO M 247 Type 1 Colorado Spec  
 Test Results: Gradation (ASTM Standard D 1214)

Sieve Designation	Specification for AASHTO M 247 Mass Percent Passing (Type 1)	Test Result
No. 20 (0.850 mm)	100	100
No. 30 (0.600 mm)	75-95	86.9
No. 40 (0.425 mm)	-	-
No. 50 (0.300 mm)	15-35	24.2
No. 80 (0.180 mm)	-	-
No. 100 (0.150 mm)	0-5	.7

AASHTO M 247 Type 1: Test Results: Other Properties

Element / Method	Specification for AASHTO M 247 Specification Limit	Test Result
Roundness/ASTM D 1155	70% min	71.4%
Crushing Resistance ASTM D 1213	Retained 0.425-mm (No. 40) sieve 133N (30 lbs.) min.	Passing
Refractive Index (Ref: TT81325C Section 4.3.3)	1.50 min	1.52
Moisture Resistance	Non-Moisture absorption & Free flowing	Passing
Flotation	90% of all beads shall float in xylene	n/a

Certification of Material: The referenced material meets or complies with the AASHTO M 247 Type 1 Colorado Specification.

\_\_\_\_\_  
 Billy Gibbons / Quality Control

\_\_\_\_\_  
 Date

Example CTR:  
 electronic CTR  
 Stamp instructions  
 are located at the  
 end of this  
 chapter. As per  
 PD 21.1 and PD  
 508.1

I hereby certify under penalty of perjury that the material listed in this Certified Test Report  
 Represents 10,000 Tons (quantity and units)  
 of pay item Glass Beads Item 627  
 (pay item # and description) that will be installed in conformance with the plans and  
 specifications on Project Number NPH-09878.

Clark Kent  
 Contractor Rep. Signature

04/03/2020  
 Date

**North-By-Northwest, North-By-Northwest, Inc.**  
**9876 S. Eva-Marie Blvd.**  
**Grant, South Dakota 54321**  
**Phone 999-123-4567**

**Certificate of Compliance**

**Product Name:** Universal Bridge Deck Expansion Joint  
**Model:** UBDEJ-101  
**Lot:** 135-02

**Description:** Pre-formed Silicone gland, that can be bonded directly to an Elastomeric concrete joint interface with a single component silicone-locking adhesive.

**Material Testing Specifications:**

<u>Property</u>	<u>Test Method</u>	<u>Mean Value</u>
Durometer (Shore A)	ASTM D 2240	55
Tensile (psi)	ASTM D 412	650 psi
Elongation (%)	ASTM D 412	382 %
Tear (die B ppi)	ASTM D 624	88 ppi
Compression Set At 350°F 22 hrs.	ASTM D 395	30 %
Operating Temperature Range		-60° F to 450° F
Specific Gravity		1.51

**State Specification Reference:**

Colorado DOT Standard Specifications for Road and Bridge Construction,  
 Section 412.13 (c). Project plans as required.

CDOT Project Number NH 0507-123

The above referenced tests were performed within our laboratory on May 10<sup>th</sup> 2017.  
 All tests passed and the minimum required values were exceeded. Applicable laboratory test reports are available upon your request.

North-By-Northwest, Inc.

John Doe  
 John Doe  
 Manager, Quality Assurance

Date: 12 May 2017

Copy of Certificate of Compliance electronic COC Stamp instructions are located at the end of this chapter. As per PD 21.1 and PD 508.1

I hereby certify under penalty of perjury that the material listed in this Certificate of Compliance represents 100 Linear Feet (quantity and units)  
 of pay item Elastomeric Expansion Devices Item 518  
 (pay item # and description) that will be installed in conformance with the plans and specifications on Project Number NPH 8765.

Clark Kent  
 Contractor Rep. Signature

04/03/2020  
 Date



Kryptonite Construction Inc.  
13369 W. Rocky Rd.  
Smallville, Colorado 91130  
Phone: 999-123-4567

### CONTRACTOR'S APPROVED PRODUCTS LIST VERIFICATION

Date: \_\_\_\_\_  
CDOT Contract ID \_\_\_\_\_  
CDOT Project No.: \_\_\_\_\_  
CDOT Project Location: \_\_\_\_\_

The following material was selected from the CDOT Approved Products List (APL) in accordance with the project plans, the 2019 Standard Specifications for Road and Bridge Construction, and the 2021 Field Materials Manual. Include CDOT Form 595 with this letter if selecting from the APL.

APL Category: \_\_\_\_\_  
APL Sub-Category: \_\_\_\_\_  
APL Base Category: \_\_\_\_\_  
APL Reference No.: \_\_\_\_\_  
Product / Facility Name: \_\_\_\_\_  
Manufacturer: \_\_\_\_\_  
Date of Web Site Review & Selection: \_\_\_\_\_

Kryptonite Construction Inc.

*Clark Kent*

Clark Kent  
Construction Manager

I hereby certify under penalty of perjury that the material listed in this Certificate of Compliance represents <u>100 Linear Feet</u> (quantity and units) of pay item <u>Elastomeric Expansion Devices Item 518</u> (pay item # and description) that will be installed in conformance with the plans and specifications on Project Number <u>NPH 8785</u> .	
<i>Clark Kent</i> Contractor Rep. Signature	04/03/2020 Date

Example of Approved Products List Certificate of Compliance electronic COC Stamp instructions are located at the end of this chapter. As per PD 21.1 and PD 508.1

# EXAMPLE Pre-Approved Product Evaluation CDOT Form 595

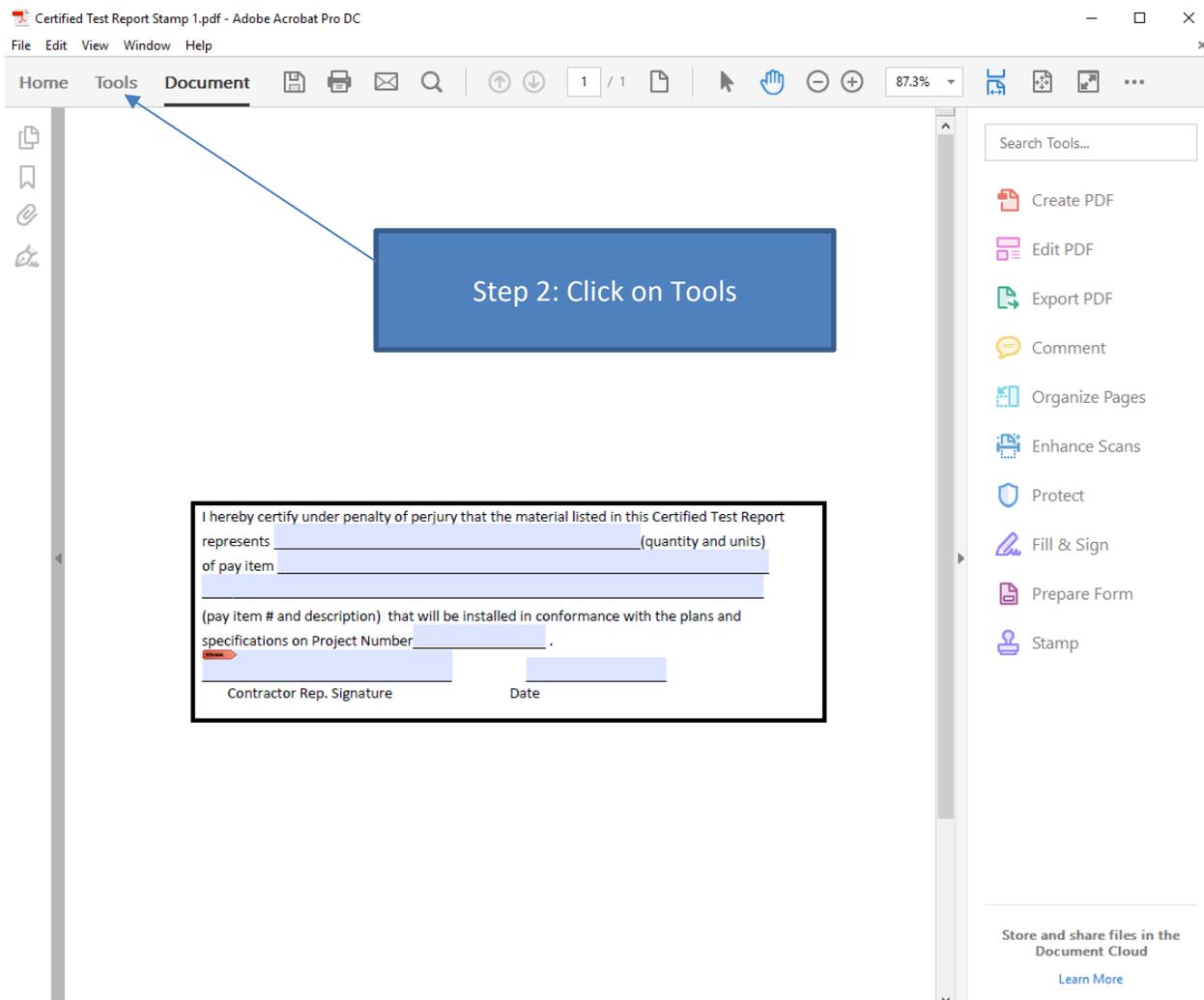
<b>COLORADO DEPARTMENT OF TRANSPORTATION</b>		A.P.L. Reference No.
<b>PRE-APPROVED PRODUCT EVALUATION REQUEST &amp; SUMMARY</b>		<b>5040-20</b>
Product Evaluation Coordinator Colorado Department of Transportation 4670 North Holly Street, Unit A Denver, Colorado 80216		Material code: <b>702.01.01.03</b> Material code description full name: <b>Asphalt Cement, Binder, PG 64-22</b>
<b>PART 1</b>		
Product name: <b>PG 64-22 (2020)</b>		Product category: <b>Asphalt \ Binder PG64-22</b>
Product Representative (name & address): Attn: John Cheever  Aggregate Industries 1705 South Acoma Street Denver, Colorado 80223  Phone: (303) 588-0235 E-mail: John.cheever@aggregate-us.com		Manufacturer (name & address): Attn: John Cheever  Aggregate Industries / West Region Storage Tank 8055 North Peterson Road Sedalia, Colorado 80135  Phone: (303) 588-0235 E-mail: John.cheever@aggregate-us.com
Web-site address: <a href="http://www.Lafargeholcim.com">www.Lafargeholcim.com</a>		Web-site address: <a href="http://www.Lafargeholcim.com">www.Lafargeholcim.com</a>
Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.) Performance grade Asphalt Cement designated as PG 64-22.  This product is from an Aggregate Industries / West Region storage facility, not a refinery or terminal.		
Restrictions, (Installation and/or use):		
Use of the product, (be specific to CDOT highway activities only): HMA		
Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):		
Specifications: (listing those applicable is required) <input checked="" type="checkbox"/> CDOT : Standard Specification, Table 702-1 <input type="checkbox"/> ASTM : <input type="checkbox"/> AASHTO : <input type="checkbox"/> FHWA : <input type="checkbox"/> other :  <input type="checkbox"/> Certificate of Compliance (COC) provided <input type="checkbox"/> Certificate of Verification (COV) provided for select categories ONLY		
Product Testing: (National/Independent laboratories or universities with Report Data.) Certified Test Report (CTR) provided to validate all claims. <input type="checkbox"/> NTPEP-AASHTO: <input type="checkbox"/> FHWA : <input checked="" type="checkbox"/> other : CDOT Bituminous Lab <input type="checkbox"/> other : <input type="checkbox"/> other :		
State DOT Approvals, (current documentation required):		Expiration Date < 2 Yrs, / 02-01-2021
Sample submitted: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a		Safety Data Sheets (SDS): <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
Alternate Product Category: Additional Comments:		

## Instructions on adding the Electronic Certified Stamps onto your Adobe Pro DC

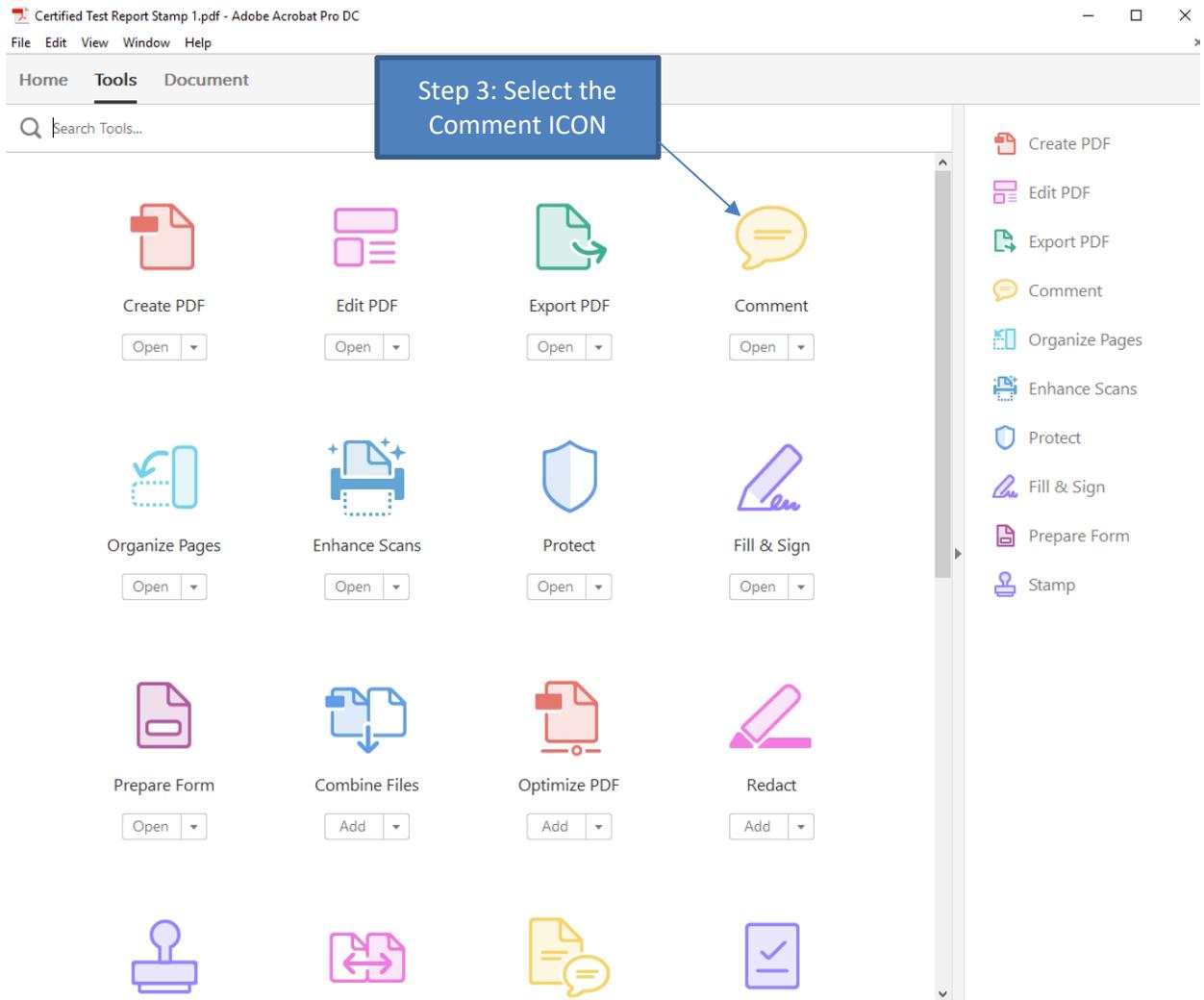
Step 1: Download the following Adobe Stamps onto your computer in a file or desktop using the following link, fill out the stamp with all of your information and electronically sign the stamp, save and continue with the instructions below.

<https://www.codot.gov/business/designsupport/materials-and-geotechnical/manuals/2021-fmm>

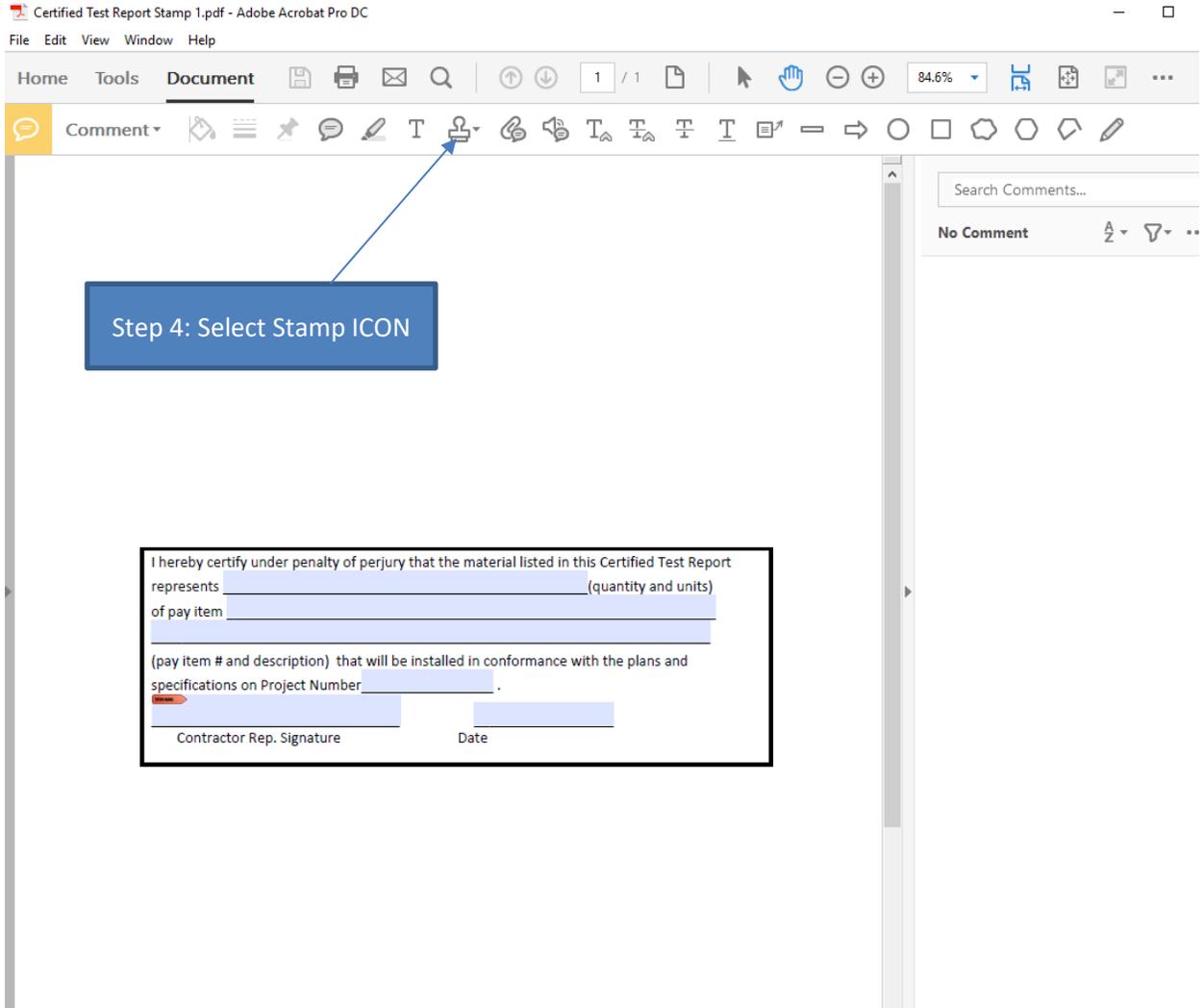
Step 2: Open the file for Certified Stamp using Adobe Pro DC and open "Tools".



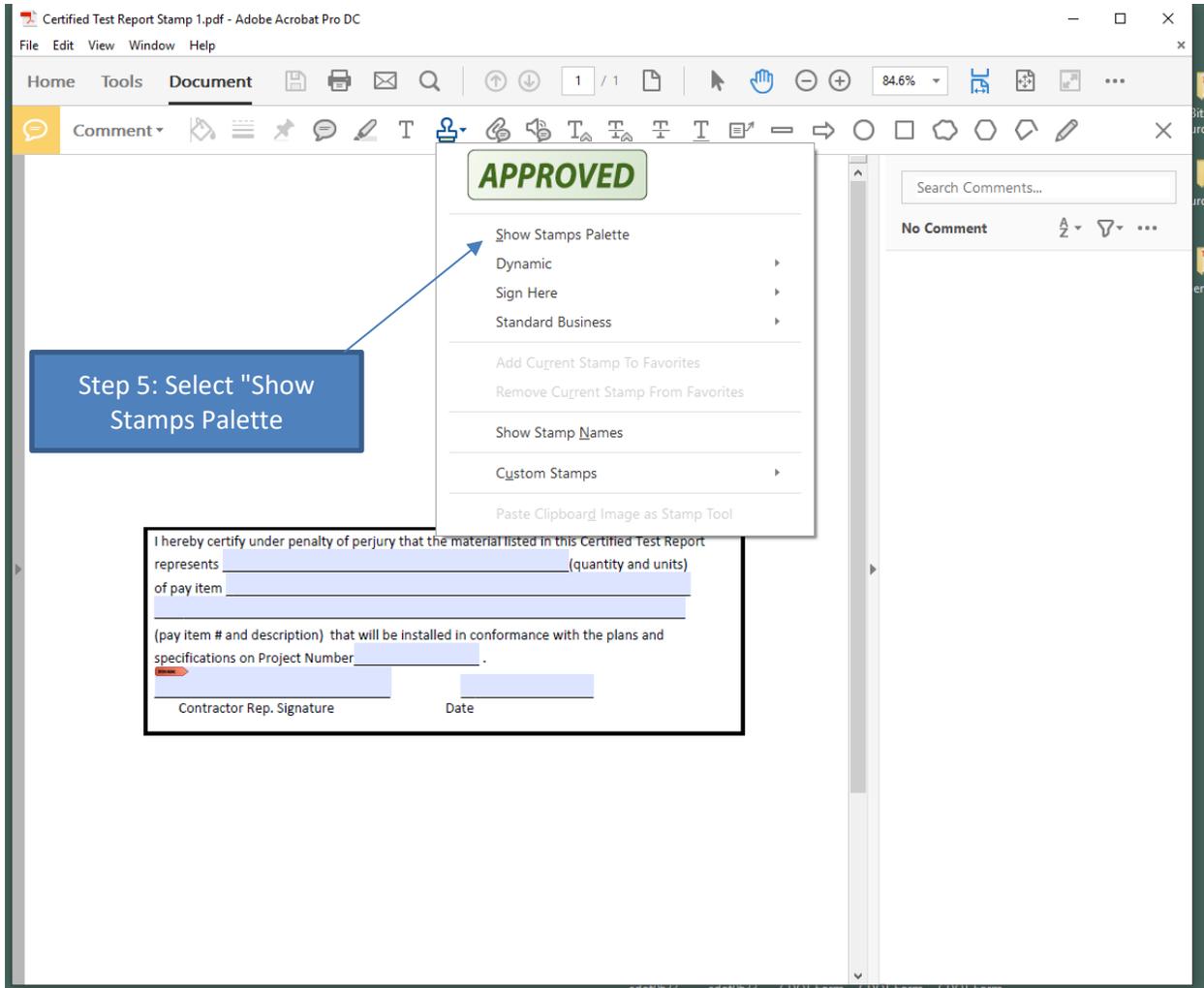
**Step 3: Select the "Comment" ICON.**



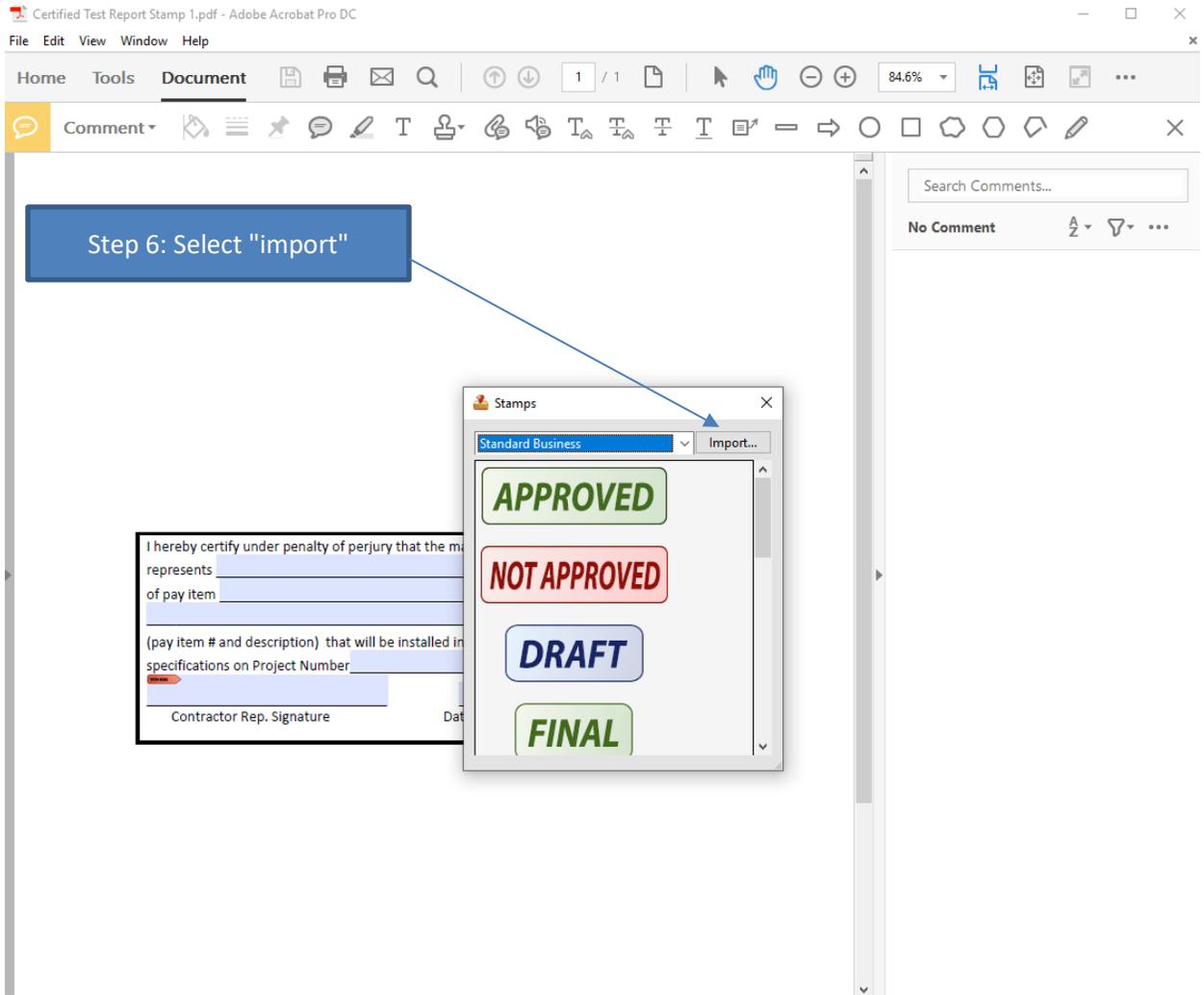
### Step 4: Select Stamp ICON



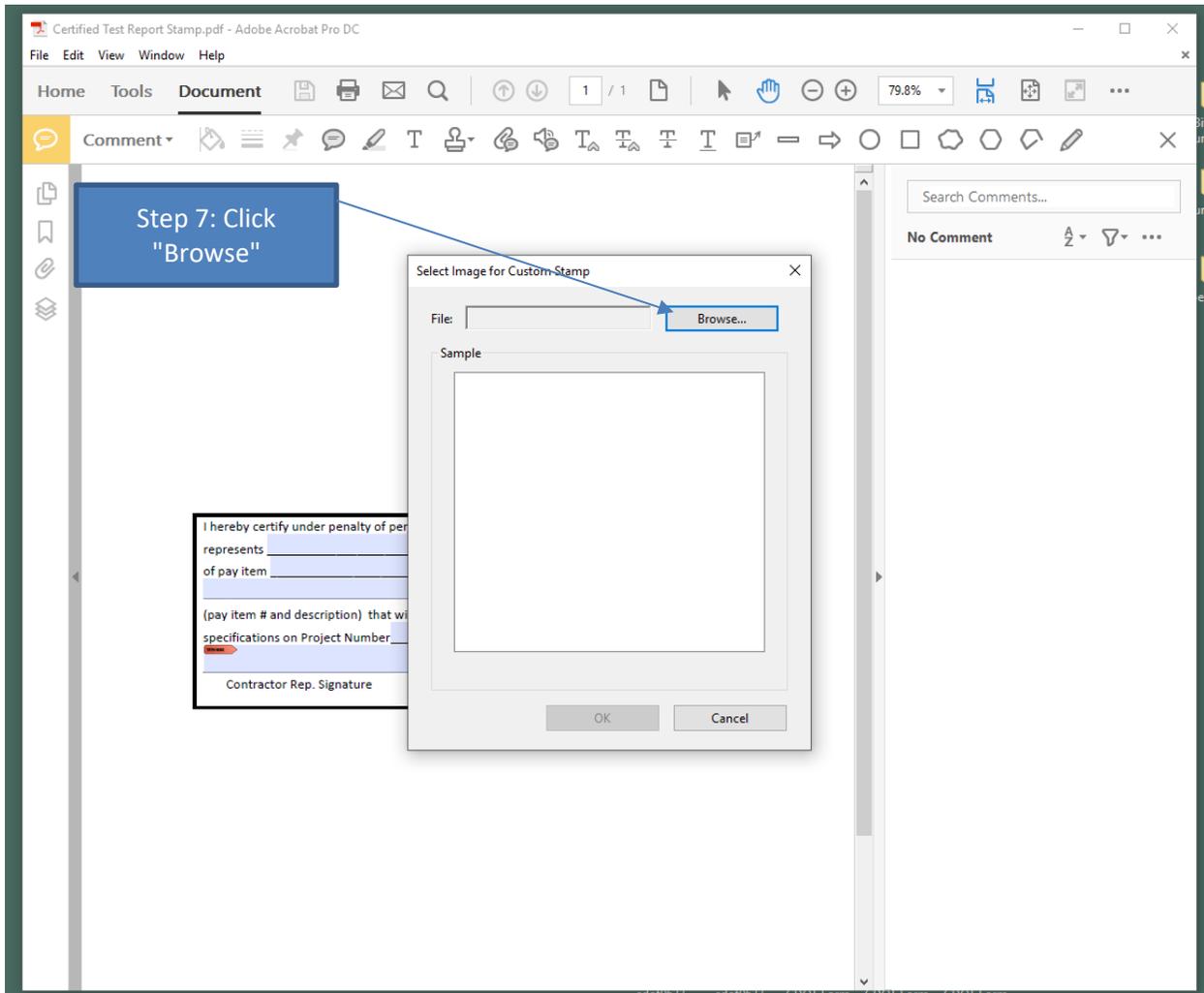
Step 5: Select "Show Stamps Palette"



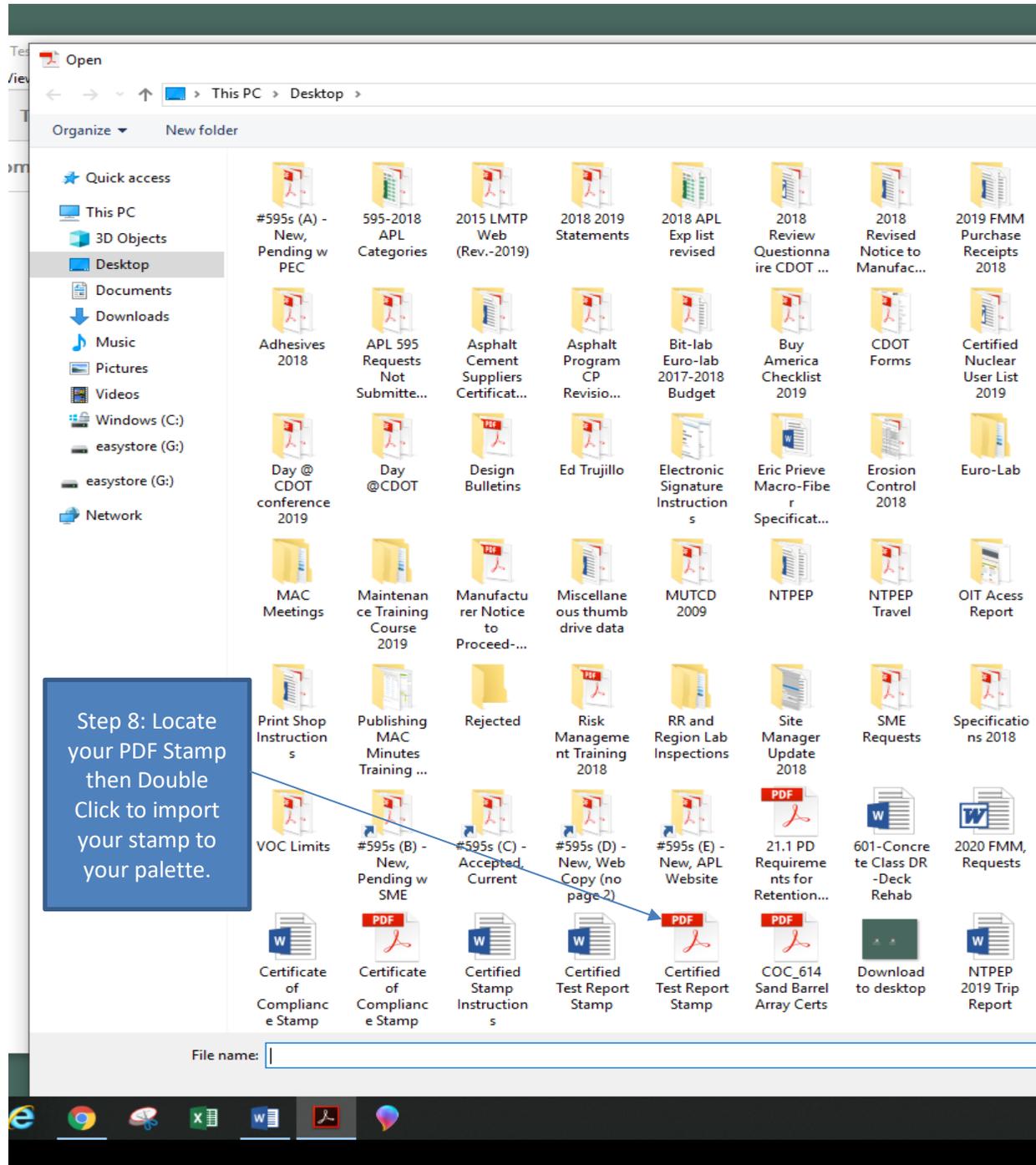
Step 6: Select "Import"



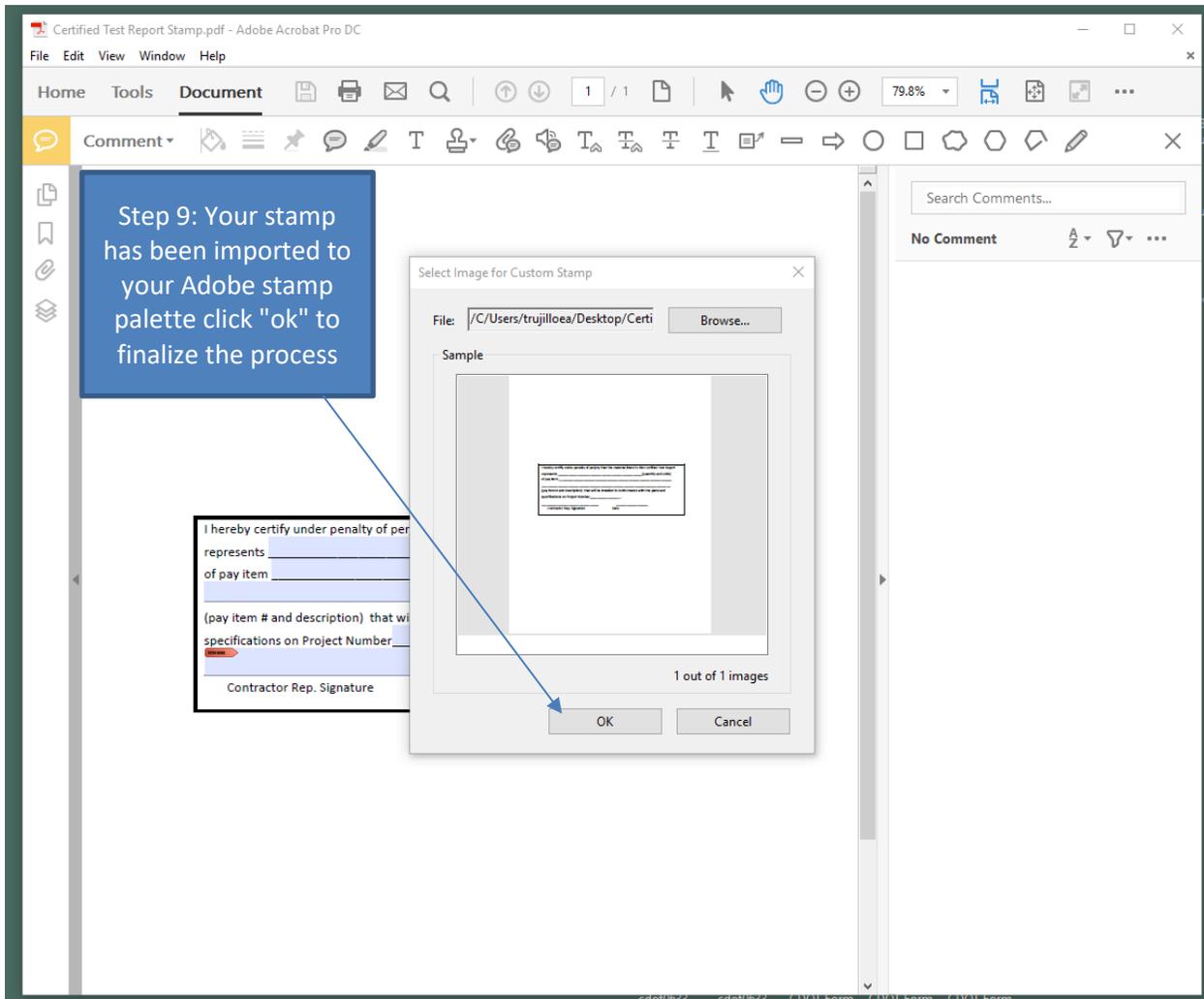
**Step 7: Click on "Browse"**



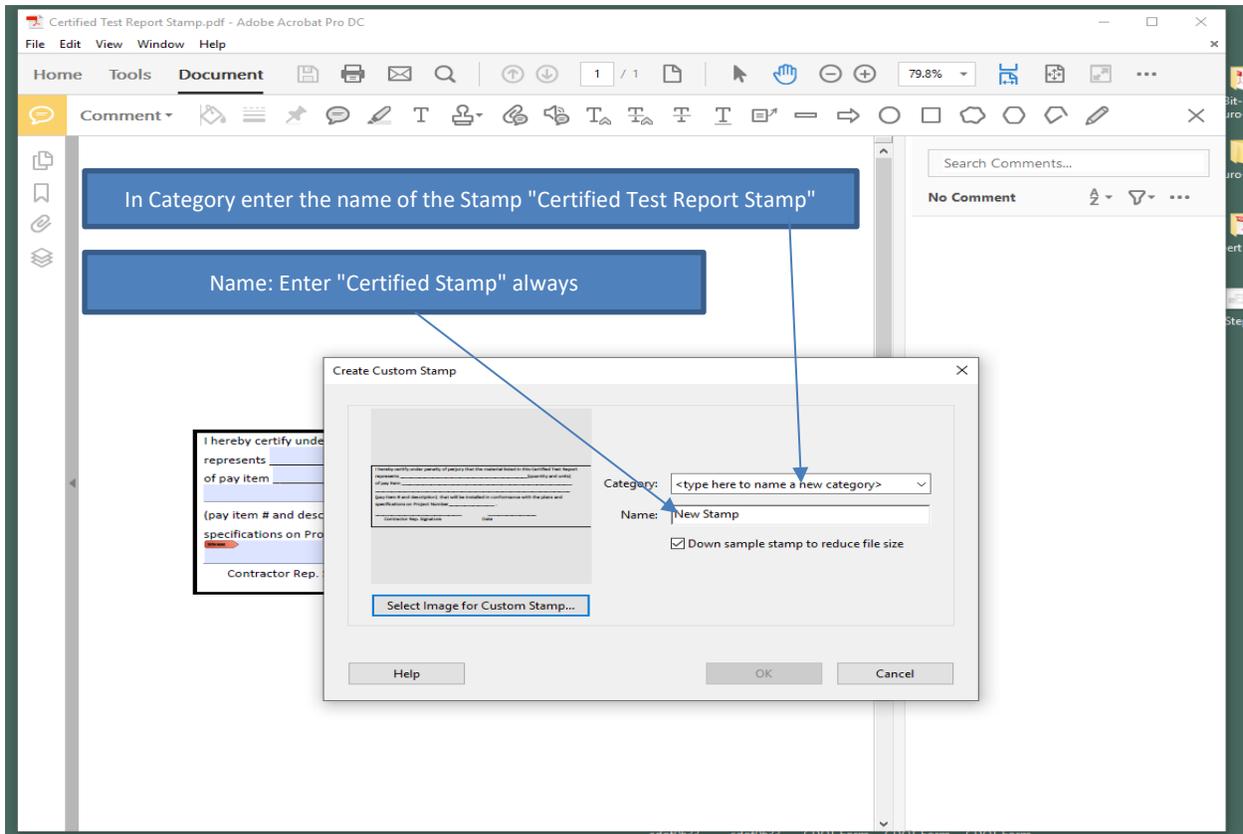
Step 8: Locate your Stamp on your computer or desktop.



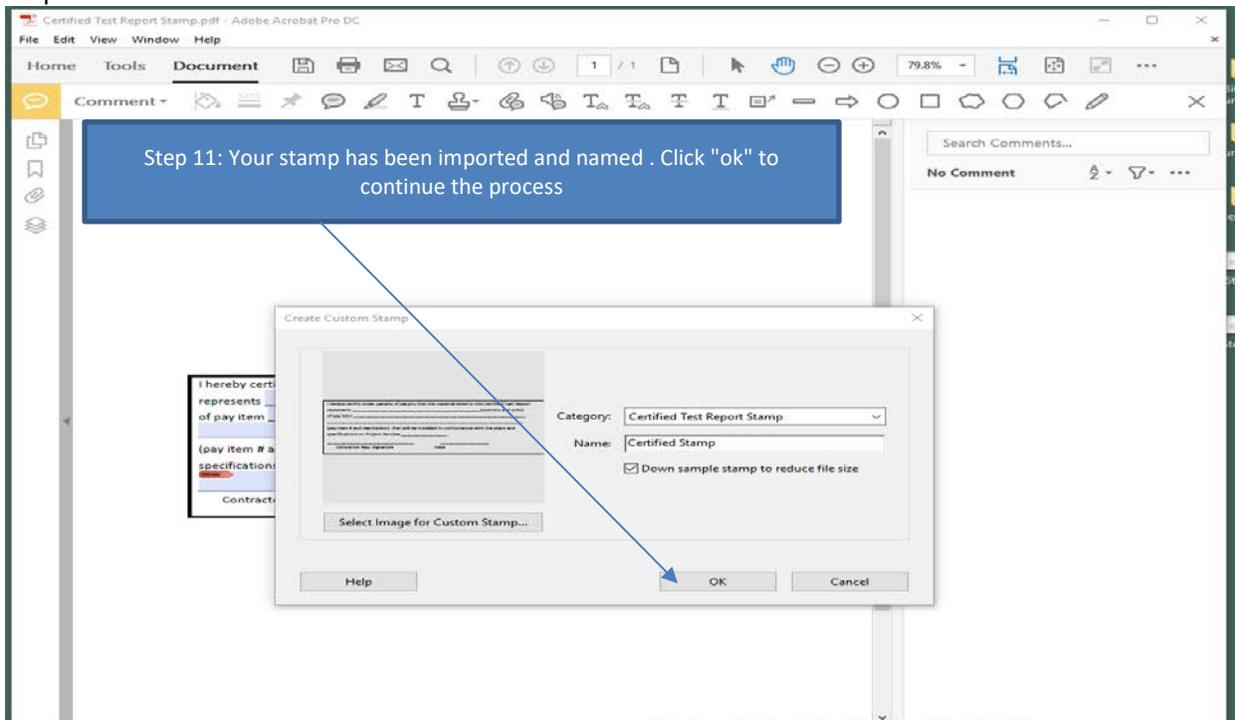
Step 9: Your file "Certified Test Report Stamp" has been imported onto your Electronic Adobe Stamp Palette click "OK" to finalize the process.



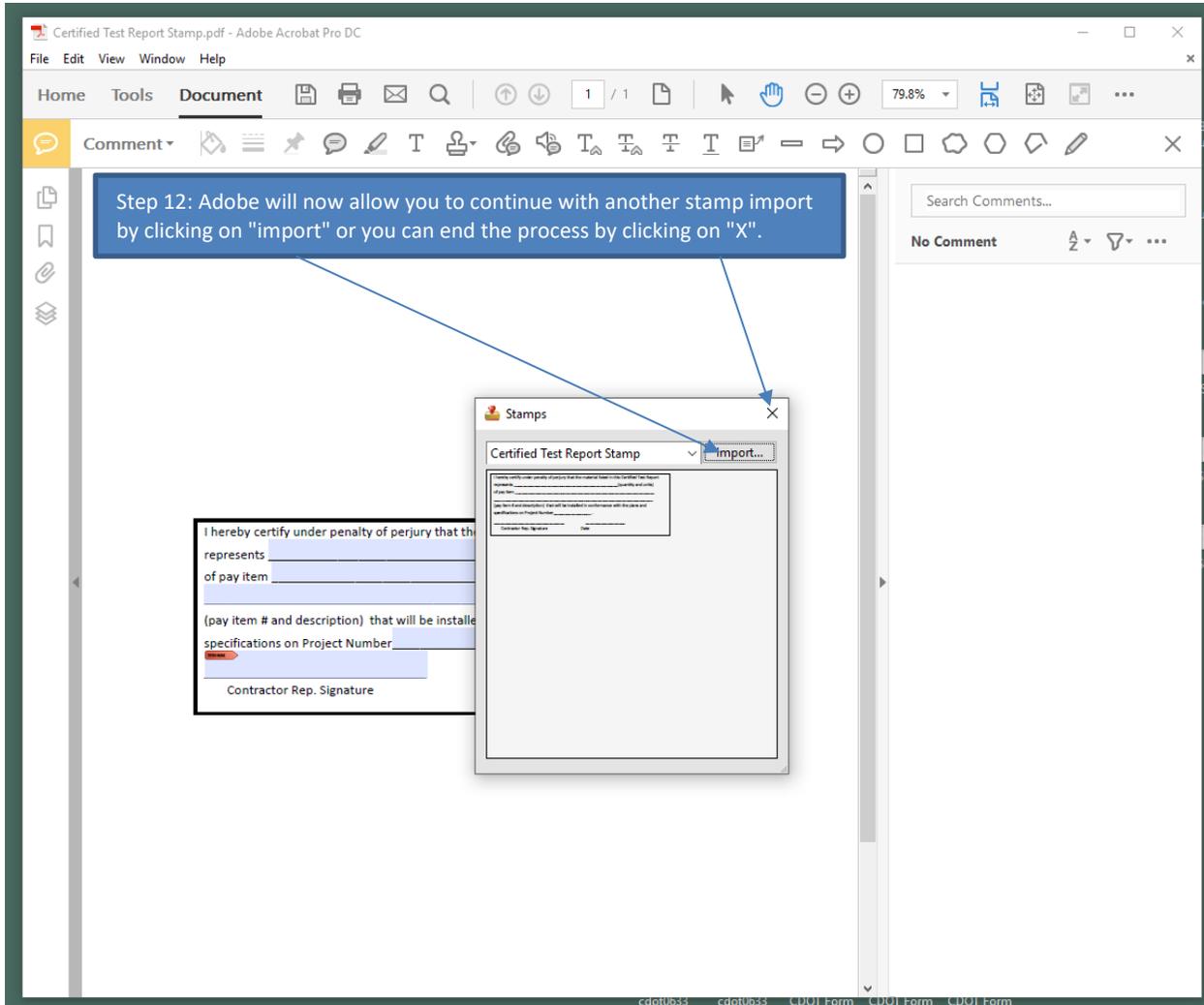
Step 10: You will now name your custom stamp. For "Category" enter the name of the stamp for example "Certified Test Report Stamp".  
For "Name" enter the required name "Certified Stamp" for all of your stamps, this name will not change.



Step 11: Click "ok"



Step 12: Adobe will now allow you to continue with another stamp import by clicking on "import" or you can end the process by clicking on "X". Repeat the steps to add on more stamps in the future.



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