January 27, 2021

AMENDMENT TO ADVERTISED CONTRACT

CONTRACT I.D. NUMBER:	B1CBA2100972-0
GEORGIA PROJECT NUMBER:	0009975, 0013999
PCN:	0009975, 0013999
COUNTY:	TROUP
AMENDMENT NUMBER:	1
LETTING DATE:	February 19, 2021
LETTING NUMBER:	022

THE FOLLOWING CHANGES ARE HEREBY MADE TO THIS CONTRACT. THE BIDDER IS RESPONSIBLE FOR MAKING ANY NECESSARY CHANGES IN INK IN THE PROPOSAL. BIDDER SHALL ACKNOWLEDGE THIS AMENDMENT BY CHECKING THE APPROPRIATE SPACE ON THE PROPOSAL SIGNATURE PAGE.

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1.**Delete** Special Provision Section 153-Field Engineers Office, 1 page, dated June 20, 2014, from the proposal, **and Substitute** the attached revised Special Provision Section 153-Field Engineers Office, 7 pages, dated January 21, 2021, in the proposal.

NICHOLAS FIELDS
STATE TRANSPORTATION OFFICE ADMINISTRATOR

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

SPECIAL PROVISION

PI 0009975 / 0013999

Troup County

Section 153—Field Engineer's Office

153.1 General Description

This work includes providing, furnishing, and maintaining field office buildings, when the Contract requires, before beginning construction and according to this Specification. The Contractor shall possess the building while the Department uses it. See Subsection 153.3.07, "Contractor Warranty and Maintenance."

The Engineering personnel will use the building exclusively for as long as they consider necessary, but no longer than the date of Final Acceptance of the Project.

153.1.01 Definitions

General Provisions 101 through 150.

153.1.02 Related References

A. Standard Specifications

Section 636—Highways Signs

Section 643—Fence

Section 910—Sign Fabrication

Section 911—Sign Posts

Section 912—Sign Blanks and Panels

Section 913—Reflectorizing Materials

B. Referenced Documents

NFPA-10A

153.1.03 Submittals

Before installing Project Office signs, submit a signage plan for this work to the Engineer for approval.

153.2 Materials

Ensure that all materials are of commercial grade. Sampling and testing is not required.

153.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

153.3 Construction Requirements

153.3.01 Personnel

General Provisions 101 through 150.

153.3.02 Equipment

General Provisions 101 through 150.

153.3.03 Preparation

General Provisions 101 through 150.

153.3.04 Fabrication

Install a sign at the Department of Transportation Project Office in the format shown in Figure 1. This sign shall be plainly visible from the Project roadway. Fabricate and install the sign according to Section 636, Section 910, Section 911, Section 912, and Section 913.

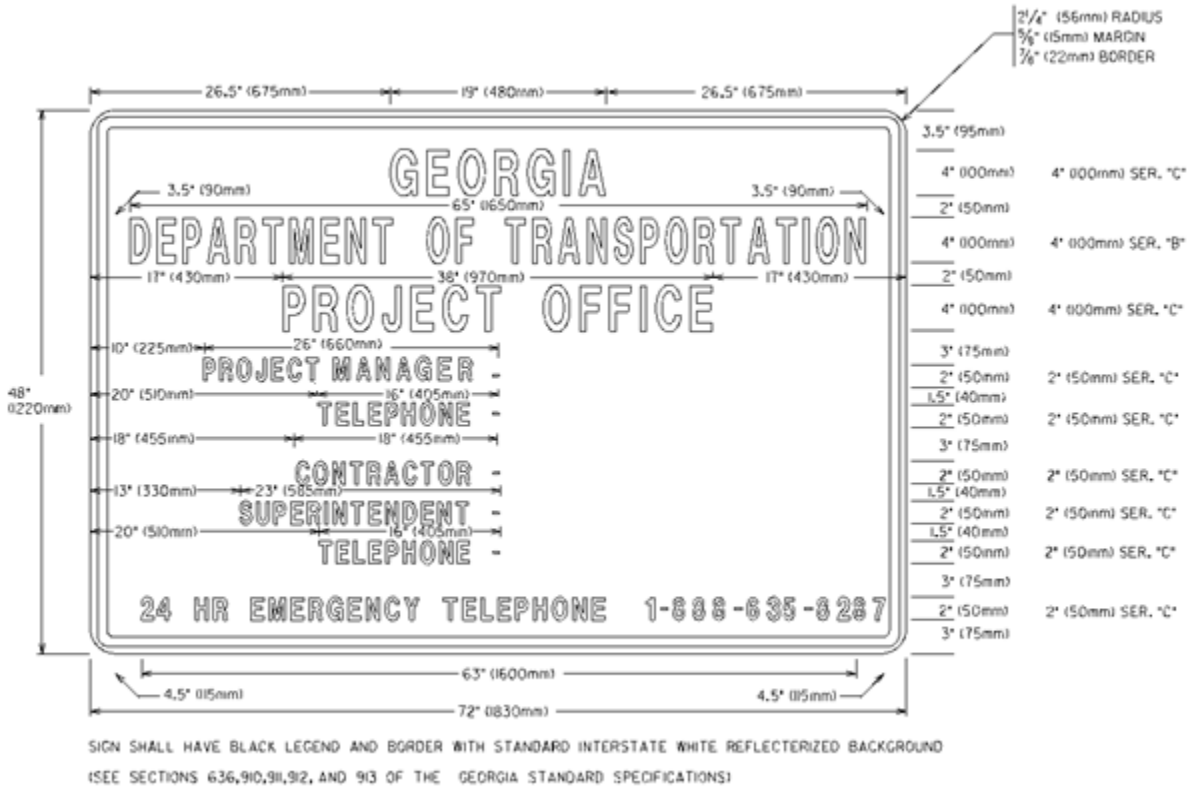

Figure 1

If the Project Office is not located adjacent to the Project roadway, install a second sign on the Project according to these specifications and as directed by the Engineer and enough guide signs to direct the traveling public to the Project Office.

Guide signs shall be 24 in (600 mm) high by 42 in (1050 mm) wide with 4 in (100 mm) high lettering and shall include a directional arrow. The guide sign shall have a white legend with a blue background. Refer to Figures 2 and 3.

Before installing the signs, submit a signage plan to the Engineer for this work.

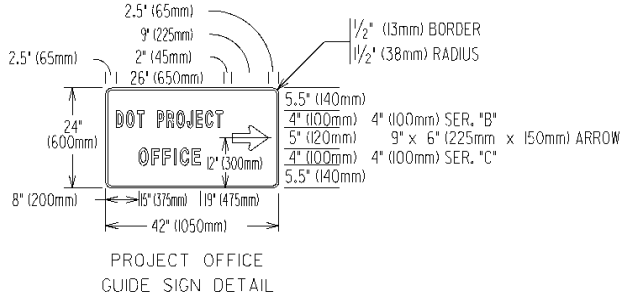

Figure 2

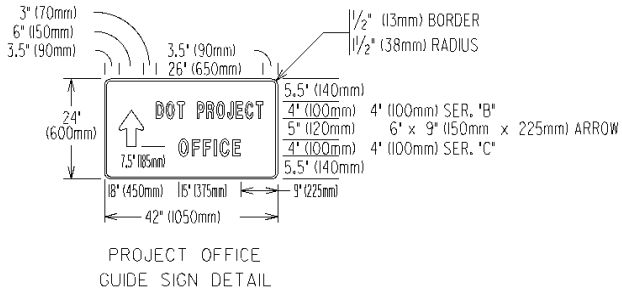

Figure 3

153.3.05 Construction

A. Field Engineer's Office Location

Current field office buildings are designated as Type 3. Type 1 and Type 2 field offices are obsolete.

Office Building Type 3: Place this office either within the Project limits or near the Project at the Engineer's direction. Place the building within 1000 ft (300 m) of a power line if possible. If power lines are farther than 1000 ft (300 m) away, payment shall be made according to Subsection 153.5.

The preferred location for the field office is within the project limits. Whether the field office is placed within the project limits or not, all locations shall meet all Federal, State, and Local laws and environmental codes and regulations. Field office request shall be submitted in writing to the Department for review prior to placement. The contractor shall be responsible for verifying that the location is not in an environmental sensitive area. The contractor is responsible for obtaining all permits.

B. Building Requirements

The Field Engineer's office may be a building, house, mobile office, or trailer if it is approved and conforms closely to this Specification. Ensure that the office building meets the following minimum requirements:

1. **Dimensions:** All measurements shown are clear inside dimensions.

	Constructed on Project			Commercially Produced		
	In Linear Feet (Meters)			In Linear Feet (Meters)		
Building	Width	Length	Head-room	Width	Length	Head-room
Type 3	12 (3.66)	50 (15.24)	8 (2.44)	11.5 (3.51)	49.5 (15.09)	7 (2.13)

2. **Doors and Windows:** Ensure that each building has at least two standard height solid entrance doors with locks. Provide the Department 6 sets of entry keys. At least one of the doors shall have a covered entranced.

   Each wall, unless predominately occupied by a door, shall have at least one hinged, jalousied, or sliding window that is glazed, screened, and fitted with venetian blinds. Each window shall measure at least 6.5 ft^2 (0.6 m^2), except the window in the toilet area which may be 3.25 ft^2 (0.3 m^2). Each Type 3 building shall have at least 8 windows.

3. **Walls and Roof:** If the building is constructed on the Project, construct the walls and roofs of all building types with studs and rafters measuring 2 in by 4 in (38 mm by 89 mm).

   Include in the walls and ceilings insulating material that is at least 1 1/4 in (32 mm) thick and made of rock wool, fiberglass, or other non-flammable material. Ensure that this material is in all inner wall and ceiling cavities.

   a. **Walls:** Cover both sides of the walls with 3/8 in (10 mm) plywood (exterior grade on the outside). No open cracks or knotholes are permitted. Standard wall construction is accepted if the walls are commercially produced.

   b. **Roof:** Ensure that the roof is watertight and has a minimum slope of 1:12 in one direction, away from the door. Ensure that the roof's eaves are at least 12 in (300 mm). If the building is commercially produced, an arched roof without eaves is acceptable.

4. **Ceiling:** Cover the ceiling on all building types on the inside of the roof rafters with 3/8 in (10 mm) plywood if constructed on the project. A standard ceiling will be accepted if the building is commercially produced.

5. **Floor:** Ensure that the floor is a minimum of 12 in (300 mm) above the ground on 2 in by 6 in (38 mm by 152 mm) joists. The floor may be timber. No open cracks or knotholes are permitted.

6. **Heater:** Provide an oil fired, gas, or electric heater. But ensure that the heater can maintain an inside minimum temperature of 72 °F (22 °C).

   Properly vent oil and gas units to the outside, provide adequate outside fuel storage, and connect with suitable feed lines.

   Gas units may be connected to a commercial gas main, if available.

7. **Worktables:** Provide a minimum of four (4) standard dimension desks. They shall be provided with a minimum of 1 1/8 in (28mm) wood grain laminated tops with 23 in (575mm) deep files and heavy-duty steel ball bearing drawers and locking center drawer and keys. Provide one (1) 5 ft by 3 ft (1500mm by 900mm) adjustable from 0 to 45 degree and 38 in (950mm) high drafting table. Provide two (2) 6 ft by 2.5 ft (1800mm by 750mm) standard height folding tables.
8. **Chairs and Stools:** Provide one (1) posture stool with supportive backrest, waterfall edge seat and instant height lever (26 in to 30 in) (650mm to 750mm). Provide a minimum of six (6) fully braced stackable full 2 in (50mm) thick 16 in X 15 in (400mm by 375mm) seats with armrests and chrome frames. Provide six (6) standard folding metal chairs. Provide a minimum of four (4) swivel chairs with arms and a 19 in X 19 in (475mm X 475mm) foam cushion and upholstered seat adjustable from 16 ½ in to 20 in (415mm to 500mm) high.
9. **Miscellaneous Storage Shelves:** Provide 6 linear ft (1800 linear mm) of storage shelves for books, etc. on each end of the building. If two 3 ft (900 mm) shelves are furnished, place them at least 1 ft (300 mm) apart vertically.
10. **Toilet Facilities:** Provide indoor toilet facilities that meet local sanitary codes. Provide consumable and non-consumable goods (toilet paper, paper towels, hand soap, bathroom cleaning supplies, toilet brush, plunger, etc.) for the life of the project.
11. **Utilities:** Connect all utilities including water, sewage, gas, electricity, and telephone service to their service source, ready for use, before the Engineer's occupancy. Process and pay the monthly bills for all utility services.
12. **Electric Service:** Provide 120/240 volt electric service that meets code.
13. **Hot Water:** Provide hot water to the bathroom sink.
14. **Air Conditioner:** Provide an air conditioning unit capable of cooling the building to maintain an inside temperature at least 20 °F (7 °C) cooler than the outside temperature.
15. **Fire Extinguisher:** Equip each building with at least one approved fire extinguisher that meets the following requirements:
    - Multipurpose dry chemical type extinguisher
    - Underwriters Laboratory rating 4A-40BC

    Mount the extinguisher(s) in a convenient and conspicuous location that is easily accessible from any part of the building.

    Maintain the extinguisher(s) according to the requirements of NFPA–10A.
16. **Telephone:** Provide two voice lines, with rollover capabilities, connected to two handsets (located on either end of the office). Install and maintain these lines for the life of the Project. Provide telephone access to the Local Area Telephone Service (LATS) only for outgoing, credit card, collect and toll free calls. Ensure that the telephones can receive incoming non-collect long distance calls.

    Provide the telephone with conference call capabilities; provide an automatic answering system that can give a greeting message, record incoming messages, and activate remotely.
17. **Project Sign:** Complete as shown in Subsection 153.3.04, "Fabrication." Install at the Department of Transportation Project Office at a location plainly visible from the Project roadway.
18. **Locking File Cabinets:** Provide two (2) four-drawer, letter size, steel, fireproof, lockable, and must have at least two keys.
19. **Plan Racks:** Provide rack(s) capable of holding one complete sets of Project Plans (not more than 100 sheets per hanger).
20. **Enclosed Closet:** Provide one closet at least 3 ft by 3 ft (900 mm by 900 mm) with a lockable door and at least two keys.
21. **Potable Water:** Provide potable drinking water by a water cooler or bottled water.
22. **Garbage:** Provide 6 office trash cans. Provide dumpster, or exterior garbage cans, with pickup for a minimum of twice monthly.
23. **Outside Electrical Receptacle:** Provide a weather-proof, exterior 220-volt electrical receptacle attached to a power source.

24. **Chain Link Fence:** Field office compound to be fenced in for the sole use and purpose for the Department's field Engineer's Office. Provide a minimum of 600 feet (180 m) of 6 ft. (1.8 m) high chain link fence with an extension arm and barbed wire as specified in Section 643. Equip the fence with matching gates and meeting the requirements of Section 643 and consisting of a double 7 ft. (2.1 m) by 6 ft. (1.8 m) and a single 4 ft.(1.2 m) by 6 ft. (1.8 m) gate. Include a positive-type locking devices, padlock and a minimum of two keys for each gate. Ensure the fence encompasses the entire compound.
25. **Security Light:** Provide two 150-watt high-pressure sodium, or LED equivalent, security lights with photoelectric controls. Place as directed by the Engineer.
26. **Aggregate Surface Course:** Place and spread 250 tons (225 Mg) of aggregate surface course on the Office grounds where indicated by the Engineer to facilitate parking. Remove aggregate and grass the area upon completion of the Project, or leave-in-place if property owner accepts the placed material as-is and provides an appropriate release waiver.
27. **Office Support:** The Office shall be supported with concrete blocks with mortar joints, and it shall be anchored with ten storm-tie-down anchors. Enclose the area between the ground and the bottom of the Office with a vinyl skirting that matches the Office's siding.
28. **Alarm System:** Install an alarm system that includes the following items and maintain in good operating condition:
    - SRN-2000 Enforced Bisonic with NAPCO Magnum Alert 850 – control box or Honeywell Vista-10P Master Control Panel with Honeywell 6150RF keypad or equivalent. System shall be connected to a monitoring system via a telephone line, or via wireless connectivity.
    - All doors and windows with contacts.
    - Outside sirens with contacts.
    - Tamper-proof box with contacts.
    - Inside sirens with contacts.
    - Two smoke and heat detectors.

    Tie all of the above equipment to a 24-hour control monitoring system (BRK –2812TH or equivalent).

    Process and pay the monthly bills for the alarm system and monitoring.
29. **Information Technology:** Provide technology meeting the following minimum requirements:

    a. Copying Machine / Printer:

    Furnish the Field Office with one copying machine/printer with network printing abilities to be installed and maintained for the life of the Project. Furnish machine having the capability of scanning, printing, emailing, and copying letter-size (8 ½" x 11"), legal-size (8 ½"x 14"), ledger-size (11" x 17"), two-sided copies, at least thirty copies per minute, and possess an auto-feed feature. Furnish all consumable and non-consumable supplies for the life of the Project.

    b. Uninterruptible Power Supply:

    American Power Conversion Corporation Back-UPS BE750G or Cyberpower OR750PFCLCD or equivalent (minimum 5 receptacles).

    c. Cable, 4G/LTE Broadband, or DSL Internet Service:

    Provide Cable, 4G/LTE Broadband, or DSL Internet Service with static IP address as approved by GDOT IT Infrastructure. 4G/LTE modem shall be compatible with Mobile Broadband Router. This must be a turn-key solution that includes ISP modem/router capable of handoff to an unmanaged 16 port switch

    d. Office to be punched-out and wired for CAT6:

    CAT6 network jacks should be installed approximately every 10 feet along the walls of the trailer (restroom excluded), with a minimum of 4 network jacks per side office, and a minimum of 6 network jacks in the main room. CAT6 cables will be run from the CAT6 network jacks back to field office closet and terminate into a patch panel. All network jacks shall be terminated, tested, toned, and labeled. Contractor to provide a 16-port unmanaged gigabit switch and cables to connect patch panel to switch. Contractor shall also provide a shelf to support the equipment 5 feet off the floor, and a power source in the closet to power network equipment.

e. Available subnets for network:

Subnets configured must not overlap internal GDOT corporate subnets. The below subnets are what GDOT currently uses for their corporate networks.

- 10.28.0.0/16
- 10.38.0.0/16
- 143.100.0.0/16
- 10.90.0.0/15
- 10.99.0.0/15
- 10.100.0.0/16
- 172.20.0.0/16
- 10.10.255.0/24
- 10.11.255.0/24
- 192.168.0.0/16
- 10.0.105.0/24
- 10.1.105.0/24
- 10.2.205.0/24
- 10.10.52.0/24
- 10.10.51.0/24
- 10.2.105.0/24
- 10.251.0.0/16
- 10.255.0.0/16
- 10.252.0.0/15
- 10.201.0.0/16
- 10.202.0.0/16
- 10.110.0.0/16
- 10.160.0.0/16
- 10.220.0.0/16
- 10.10.0.0/16

30. **Concrete Cylinder Curing Box:** Furnish a Concrete Curing Box for any project that requires the placement of concrete. The curing box and its components shall be constructed of non-corroding materials and shall be capable of storing a minimum of 22 test cylinders, 6 inch by 12 inch (150 mm by 300 mm) stored vertically with the lid closed. On projects with multiple bridges and/or concrete pavement, the capacity shall be increased to 44 test cylinders. The curing box shall be equipped with heating/cooling capabilities, automatic temperature control, and a maximum/minimum (high/low) temperature readout. The curing box shall be capable of meeting the moisture and temperature requirements of AASHTO T 23.

C. Installation timeframe

The Field Engineer's Office location shall be submitted to the Engineer within 10 days of receiving the Notice to proceed. Upon approval of the location by the Department, the complete installation of the Field Engineer's Office shall occur within 60 days of the location approval.

153.3.06 Quality Acceptance

General Provisions 101 through 150.

153.3.07 Contractor Warranty and Maintenance

Whether the building is owned, leased, or rented, the Contractor who provides the building retains possession of each office building. Provide regular maintenance to the facility, to include weed control and pest control.

The Engineer will control the use, location, relocation, and removal of the building. When the building is no longer needed, remove each building from the Project at the Engineer's direction.

Retain possession of all items that are required as part of the Field Office when the Engineer determines that these items are no longer needed.

153.4 Measurement

Field Engineer's offices Type 3, as required by the Engineer, will be paid for per each; provided each was moved to or constructed on the Project according to the Specifications.

153.4.01 Limits

The offices are measured for payment on each project one time only regardless of the number of times they are moved at the Engineer's direction.

153.5 Payment

The use of each office building eligible for payment is paid for at the Contract Unit Price bid. Payment is full compensation for the cost of the location, materials, design, construction, furnishings, maintenance, fuel, water, sewage disposal, garbage service, electricity, telephone service, movements within the Project, and movement to and from the Project. Failure to completely install or maintain the Field Engineer's Office may result in the Department withholding progress payments on the project.

The cost of necessary transformers is included in the price bid for Type 3 office buildings. Any cost incurred for carrying electric current over 1000 ft (300 m) from a power line is paid for by Force Account.

Section 153—Field Engineer's Office

Payment for each Field Engineer's office is made in two installments:

- 65 percent of the Contract Price is paid when the office is completely installed and ready for occupancy.
- 35 percent is paid when the Department has finished using the office.

Payment will be made under:

Item No. 153	Field Engineer's Office Type 3	Per each