

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

July 15, 2021

Addendum No. 4

Contract No.: C204632

TIP No.: I-3306A / W-5707C Counties: Orange and Durham

Project Description: I-40 Widening from I-85 in Orange County to the Durham County

Line with Interchange Modifications, Including the I-40 / NC 85 Interchange; and I-40 Westbound Temporary Pavement Marking and overhead Lane Use sign Modifications near US 15-501 in

Durham County.

RE: Addendum No. 4 to Final RFP

August 17, 2021 Letting

To Whom It May Concern:

Reference is made to the Final Request for Proposals with Addendum Nos. 1, 2 and 3 dated July 14, 2021 recently furnished to you on the above project. We have since incorporated changes and have attached a copy of Addendum No. 4 for your information. Please note that all revisions have been highlighted in gray and are as follows:

The second page of the *Table of Contents* has been revised. Please void the second page in your proposal and staple the revised second page thereto.

Page No. 198 of the *Lighting* Project Special Provision has been revised. Please void Page No. 198 in your proposal and staple the revised Page No. 198 thereto.

If you have any questions or need additional information, I can be reached by telephone at (919) 707-6900.

Sincerely,

Ronald E. Davenport, Jr.

Ronālti. E.ADavenport, Jr., PE

State Contract Officer

RED/kbc

cc: Lamar Sylvester, PE

Wright Archer, III, PE

Teresa Bruton, PE

Ron McCollum, PE

File

Website: www.ncdot.gov

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C204632 (I-3306A / W-5707C)

Project Special Provisions

Orange and Durham Counties

After project award, the Design-Build Team shall coordinate with Brady / Trane Services (Brady) at 919-232-5764 or warranty.request@bradyservices.com to have Brady commission the smart controls system, incorporate new gateways and smart nodes into the LightGrid infrastructure and troubleshoot communication issues. Brady shall bill the Design-Build Team directly for these services.

The Department will reimburse the Design-Build Team for the actual verified cost of Brady's charges for LightGrid service charges. The LightGrid service charges that the Department will reimburse include efforts by Brady to: commission the newly installed gateways and control nodes; place the GE LightGrid system into 24/7 operation; place the system in normal dusk to dawn operation; and troubleshoot communication issues with the LightGrid system.

MATERIALS

No materials are required for this section.

CONSTRUCTION METHODS

As part of this contract, the Design-Build Team shall provide new GE LightGrid gateways and control nodes. See Sections 5.00 and 6.00, respectfully, of these Project Special Provisions for gateway and control node requirements.

As a function of the LightGrid system, the Design-Build Team is unable to turn the lights on for testing during the day. The luminaires installed as part of this project are powered 24/7; however, the control node installed on each luminaire has an integral photocontrol, preventing the luminaire from operating during daylight hours.

The Design-Build Team shall notify Brady at least two weeks prior to beginning the construction work. Brady will remotely commission the new LightGrid system, override the internal control node photocontrol and turn all of the control nodes on for 24/7 operation for the duration of the lighting construction. This will allow the Design-Build Team to turn the lighting circuits on and off during the day via the breakers in the lighting control panel.

The Design-Build Team shall notify Brady again when lighting work is complete. At that point Brady will remotely confirm that there is communication between the control nodes and the gateway, and will place the system to normal dusk to dawn operation.

In the event that a communication failure of some, or all, smart nodes or the gateway is encountered, the Design-Build Team shall coordinate with Brady to troubleshoot and resolve the failure.

HIGH VISIBILITY DEVICES

(10/25/2019) (Rev. 12/30/2020)

Description

In accordance with this RFP, the Design-Build Team shall furnish and install high visibility devices for projects on interstates and freeways. High visibility devices include drums, skinny drums, stationary work zone signs and portable work zone signs. All of these devices shall be new. Used devices shall not be acceptable.

The purpose of high visibility devices is to enhance the conspicuity of the devices in order to improve both safety and mobility through the interstate and freeway work zones. In addition,