

Pre-Bid Questions

Last Updated:	05/01/2020
Project:	STP 2020(795) HES
Control:	0117-09-002, etc.
Highway:	US 190, etc.
Let Date:	May 2020
Locations:	US 190 at FM 2038
	FM 149 at Pearl Lane
County:	Brazos, etc.
District:	Bryan
Addenda:	none

Question 1:

The last sentence under Item 6354 “SPECIAL SPECIFICATION DYNAMIC LED CURVE WARNING SYSTEM W/LED ADVANCED CURVE WARNING SIGN” states, “This system will include cellular communication back to the TxDOT network to provide the ability for remote monitoring of the condition of the system components, and to collect data remotely.”

Will there be fiber out at the site to tie directly into and send to TxDOT’s network or do you want to use a cloud based system to send the condition of the system components and data to the TxDOT network?

This is a 7 pole set-up and each pole has its own solar panel, battery, controller and radio. When you say condition of the system components, do you want the ability to monitor all 7 poles in this system?

What type of data are you looking to capture from this system?

Response 1:

TxDOT does not have fiber at this location. Provide communication through a TxDOT supplied cellular modem that can fit inside the provided field cabinet and be powered through the field cabinet power supply system. Only the advanced curve warning beacon(s) will need to have a cellular modem.

TxDOT requires the ability to do the following remotely over a cellular network to all electronic hardware:

1. Verify beacon activation
2. Turn on the beacon between 24-hr-on to vehicle activated
3. Verify battery voltage
4. Verify solar output
5. Verify battery charging

We do not need a monitoring package and we understand that we will not be able to monitor the individual chevron signs. We just need communication to the curve warning sign(s) that activate the system.