

26 November, 2013

MEMORANDUM

TO: Mr. David Trevino MIS, IT Program Coordinator, City of Corpus Christi

FROM: Walt Magnussen, Ph.D., Director for Telecommunications, Texas A&M Univ.



SUBJECT: NTIA BTOP grant benefits to the City of Corpus Christi

In fall of 2010, Texas A&M University applied to the NTIA for BTOP grant in round two of their funding rounds. This grant was intended to provide dark fiber to all of the TAMU System campuses across the State. It is my understanding that the City of Corpus Christi applied for a round one grant that was not funded. In discussions with the City of Corpus Christi, we agreed to add some city sites our grant that were not funded in the cities grant request.

Over the following two years TAMU working with the City had constructed the fiber to 13 sites in the City of Corpus Christi. Seven of the sites were City, four were TAMU Corpus Christi and two were non-city or University. This project involved the placement of approximately 13 miles of fiber to the various sites.

We have been working on a sub-recipient agreement for the past two years but the match committed by the City of Corpus Christi include in-kind labor, material to be purchased by the City and cash. It was not possible to finalize the Sub Recipient agreement until the exact value of the match was known.

The sites listed below include all of the sites in the City connected to the network. Since all of this is either 24 or 36 strand fiber there is significant excess capacity that can be used by the city for energy management, traffic control or any other purposes to be determined by the City.

- O.N. Stevens Waste Water Treatment Plant, 1301 Leopard St.
- Northwest Senior Center, 9725 Up River Road
- Northwest Library, 3202 McKinzie Road
- Flint Hills Police Department, Tuloso Road
- Fire Station Number 12, 2120 Rand Morgan Rd.
- OSO Waste Water Treatment Plant, 501 Nile Drive.
- Flour Bluff Water Tower, 2029 Division Road

- TAMU Corpus Christi Main Campus, 6300 Ocean Drive
- TAMU CC Momentum Campus, 701 Nile Drive
- TAMU CC Garcia Arts Center, 2021 Agnes Street

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TAMU CC Texas Art Museum- Selena, 1901-2 North Shoreline Drive

Education Service Center Region 2, 209 North Water Street
Valley Telephone Point of Presence, 606 North Carancahua

According to the terms set by the NTIA TAMU must own the asset for the next ten years but the agreement places control and management of the fiber in the hands of the City of Corpus Christi. Furthermore, the agreement conveys ownership of the fiber to the City after the 10 year period.

Along with providing connectivity to several City sites, this project provided connectivity to the Carrier Hotel on 606 Walker Street that houses Texas LEARN network. Availability to the site will provide the City with connectivity to Valley Telephone's network for lower cost Internet access. In addition, the site on Walker could be used by the City to connect to the LEARN network which could be used for high bandwidth access to an off-site Tier-4 data center and the Public Safety LTE network core that Harris County has placed on campus in College Station. The project included the installation of Dense Wave Division Multiplexing (DWDM) equipment that allows the City to place multiple services on a single fiber pair in areas where dark fiber is limited.

Your support on this important project further shows the strong working relationship between the City of Corpus Christi and Corpus Christi A&M University.