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DEPARTMENT OF TRANSPORTATION

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MEMORANDUM

I-10 Mobile River Bridge and Bayway Project

DATE: August 3, 2018

TO: File

FROM: ALDOT

RE: Utility Relocation Email Correspondence

ALDOT has received the below email correspondence from utility companies. This information was used to update our estimates and utility maps.

AL Power-Transmission; Email Dated May 29, 2018

I have updated the following planning estimate for the subject project per your request:

Relocate/raise three sections of the Blakeley Island – Silverhill 115 kVTL for ALDOT's I-10 projects. The estimated cost for this project item is: $2,265,000.00 in 2018 dollars.

NOTES: 1. Section 1: Structures #2 – #7
2. Section 2: Structures #24 & #25
3. Section #3: Structures #31 - #39
4. If this project is to be completed in a year after 2018, please escalate the total cost by 3% per year.

AL Power – Email dated Aug. 29, 2017

Attached are enhanced drawings of our underground facilities. I'm still waiting on info about whether they could be adversely affected by vibration. We have enough redundancy in our system to take lines out of service to relocate if necessary at any time of the year.

(pdf provided)

Danella Engineering (AT&T); Email Dated August 18th, 2017

AT&T has two systems on the cause way and through this area. It appears there will be some conflict with both of these systems depending on pier placement, may be some on the east end of the project also as we cross I-10 and get on the causeway.

This is the back bone east west routes one system is a 4 duct system on the south side of the causeway and crosses the river in the tunnel, the other is a 6 duct system on the north side and crosses the river via directional bore north west of the tunnels.

Danella Engineering (AT&T); Email Dated October 9th, 2017

There are several factors that need to be taken into consideration when providing a cost for a relocation.

1. The system being relocated: AT&T has two systems on the causeway:
   a. AT&T Mobile conduit system: A 4 duct PVC system runs between Spanish Fort and the Tunnel crossing on the causeway. System has Hand Holes and Man Holes Thru out.
   b. AT&T NEX Gen system: A 6 duct system is stand alone on Hwy 98 east of the I-10 over pass at Spanish Fort and west on 98 to mile Marker 33. From that point west to the bore under the river AT&T is in a joint 14" steel carrier pipe with break outs at HH's and MH's. There are other fibers in this system also.
1. Cost per foot:
   a. Mobile Conduit: To relocate by trench method, add HH and MH. Concrete encase as required. $120.00 per foot. Place by directional bore. $150.00 per foot. Dependent on the location of HH / MH and splice locations the length of a relocation could be from 1000' to 5,000'.
   b. Nex Gen system: this system could not be relocated by trench method and maintain the integrity of overall system. The lead carrier for the current carrier pipe system will most likely provide a relocation plan and cost. After that AT&T would have to install new duct in the new carrier pipe and place fiber and HH /MH and cut the service over. OR each carrier would have to place its own system through the affected area and would require to be placed by bore method deep. In carrier pipe provided by others: $250.00 per foot. AT&T stand alone: $500.00 with carrier pipe, duct and fiber, between HH's and or MH's.
   c. Splice operations: Average cost is $20,000.00 per site with two cut over locations.
   d. Engineering and Management: Average cost for a major project similar to this one (worked on hourly rates) dependent on the number of locations, would be between $35,000 and $45,000.00.
   e. Fiber cable: The Nex Gen fiber is a 312 fiber system and cable price will be approximately $4.00 per foot.
   f. Right of Way: personnel working agreements, permits and etc: approximately $8,000.00.

These are high but not knowing the where how much or how involved makes it hard to put a figure on this. The location and the depth of the Nex Gen in the carrier pipe is the one you want to stay clear of it if at all possible, multiple fiber carriers and bored 14" steel will be costly.

MJE/ADW/sad
Cc: File