

4.1.25

COM Electric

Commonwealth Electric Company
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Wareham, Massachusetts 02571
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July 7, 1997

Mr. David Dickerson
Remedial Project Manager
US Environmental Protection Agency - Region 1
John F. Kennedy Building
Boston, MA 02203-0001

Superfund Records Center
SITE: New Bedford
BREAK: 04.01
OTHER: 46274

RE: May 21, 1997 Meeting Minutes



SDMS DocID **46274**

Dear Mr. Dickerson:

This letter is a summary of the meeting on May 21, 1997 among representative's from the United States Environmental Protection Agency ("EPA"), the United States Army Corp of Engineers, Massachusetts Department of Environmental Protection, Foster Wheeler Environmental Corp. and Commonwealth Electric Company ("COM/ELECTRIC") regarding COM/ELECTRIC's submerged power cables in the Acushnet River.

As discussed at our 4/16/97 meeting COM/ELECTRIC agreed to investigate the feasibility of subsurface construction of conduits for our cables. COM/ELECTRIC presented test boring results that were conducted on May13-14, 1997 by Guild Drilling Company. Results found rock at 33 feet on the New Bedford side of the Acushnet River and 42.5 feet on the Acushnet side of the river. Based on these findings, COM/ELECTRIC believes horizontal directional drilling is a technically viable option and is preferred over micro-tunneling. Estimated cost for a single horizontal bore of 18" with a 10" steel pipe would be approximately \$750,000.

COM/ELECTRIC presented a budgetary estimate of \$8 million to relocate the existing cables. This cost includes the cost of \$3 million to install 4 directional drills with pipes for the existing cables. Our new transmission cable would require one more directional drill with pipe at an estimated cost of \$750,000. The EPA asked COM/ELECTRIC if the planned CDF could be installed over all the cables that were constructed subsurface by the directional drilling construction method. COM/ELECTRIC determined no problems with that type of construction, as long as COM/ELECTRIC retained complete access to the new cables and appurtenances.

The EPA mentioned one public comment it received on the project was relative to the presence of Indian Artifacts in the vicinity of Acushnet Substation.

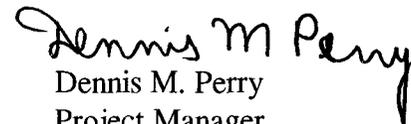
In addition, cost sharing on this project was mentioned by the EPA and will be the subject of more detail discussion at future meetings. The EPA requested cost data associated with the

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river crossing that COM/ELECTRIC had submitted to the Energy Facilities Siting Board. Enclosed please find the New Bedford Supply Segmental Cost Analysis Matrix produced by COM/Electric.

The next meeting is scheduled for July 9, 1997 at 10:00am at Com/Electric in Wareham.

Very truly yours,


Dennis M. Perry
Project Manager

Enclosure

New Bedford Supply Segmental Cost Analysis Matrix

07/07/97

Segment #	Route Description	Construction Cost Multiplier	Segment Length in Feet	Segmental Cost \$/ft @ 373	Preferred * Route 3,7,9,11,15,16,18,19A	Alternate Route 1,4,5,8,10,17,18,19B	Alternate Route 1,2,5,8,10,17,18,20
1	Pine St. to Rt18.to Second St.	1.50	754	\$421,786		\$421,786	\$421,786
2	Rt.18 to Walnut St. from Russel St. to County	1.00	2,573	\$959,553			\$959,553
3	Pine Sub/MacAthur Dr./Herman Melleville Blvd./Front St.up to Tallman St.	1.00	11,934	\$4,450,566	\$4,450,566		
4	Russel St. from Second St. to County St.	1.00	2,495	\$930,464		\$930,464	
5	County St. from Walnut St. to Tallman St.	1.35	11,123	\$4,148,118		\$4,148,118	\$4,148,118
6	Tallman St. from Ashley to Front St.	1.25	997	\$371,813			
7	Front St. from Tallman St. St. to Tinkham St.	1.00	2,479	\$924,498	\$924,498		
8	Ashley Blvd.to Tinkham St. from Tallman St. to Front St.	1.10	3,552	\$1,324,653		\$1,324,653	\$1,324,653
9	Front st. from Tinkham St. toNash Rd.	1.00	287	\$107,031	\$107,031		
10	Tinkham St to Hope St.. from Front St. to Nash Rd.	1.25	1,503	\$560,516		\$560,516	\$560,516
11	Front St. from Nash Rd. to Bellville Rd.	1.00	710	\$264,781	\$264,781		
12	Nash Rd.from Front St. to Medeira Ave.	1.25	559	\$208,469			
13	Hope St. from Nash Rd. to Bellville Rd.	1.00	696	\$259,560			
14	Medeira Ave. from Nash Rd. to Bellville Rd.	1.25	706	\$263,290			
15	Bellville Rd. from Front St. to Medeira Ave.	1.00	532	\$198,400	\$198,400		
16	Belleville Rd. from Medeira Ave. to Hope St.	1.00	825	\$307,669	\$307,669		
17	Hope St. from Nash Rd. to Belleville Rd.	1.25	693	\$323,052		\$323,052	\$245,389
18	Belleville Rd. from Hope St. to Bellville Ave.	1.00	658	\$245,389	\$245,389	\$245,389	\$245,389
19A	Acushnet River-pipe on bottom	1.00	1,793	\$668,666	\$668,666		
19B	Acushnet River-directional drilling	1.50	1,793	\$1,003,000		\$1,003,000	
20	Belleville Ave.to Solcum Rd. to So. Main St. to R.O.W.	1.30	10,656	\$3,973,959			\$3,973,959
Total Cost					\$7,167,000	\$8,956,979	\$11,879,364
Total (Ft)					19,218	22,571	31,512

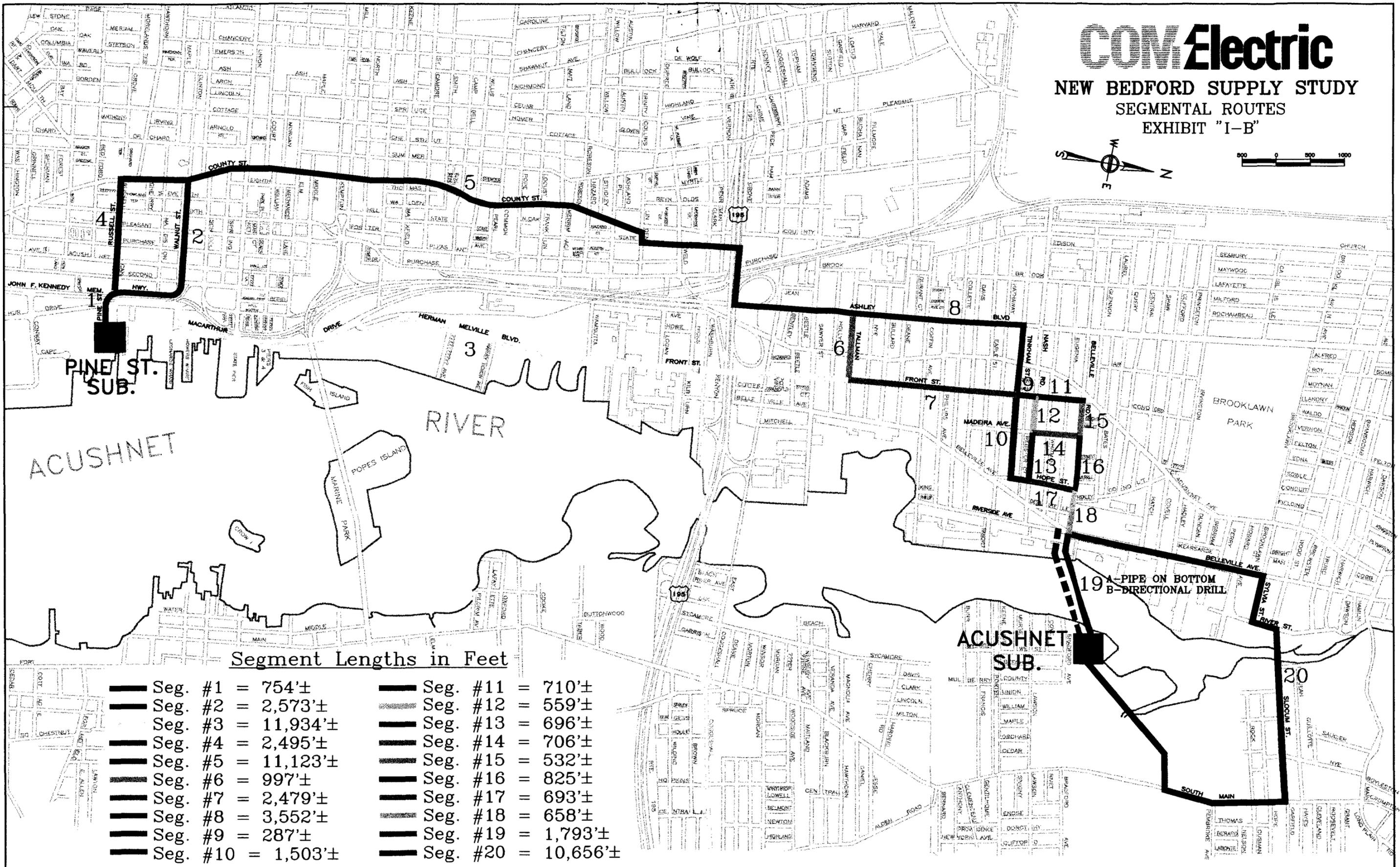
*Preferred

Total Project Costs Includes Directs + Indirects

Segmental Cost=Total Project Cost /19,218 ft.(3.64Mile) as baseline estimate.

COM Electric

NEW BEDFORD SUPPLY STUDY SEGMENTAL ROUTES EXHIBIT "I-B"



Segment Lengths in Feet

█ Seg. #1 = 754'±	█ Seg. #11 = 710'±
█ Seg. #2 = 2,573'±	█ Seg. #12 = 559'±
█ Seg. #3 = 11,934'±	█ Seg. #13 = 696'±
█ Seg. #4 = 2,495'±	█ Seg. #14 = 706'±
█ Seg. #5 = 11,123'±	█ Seg. #15 = 532'±
█ Seg. #6 = 997'±	█ Seg. #16 = 825'±
█ Seg. #7 = 2,479'±	█ Seg. #17 = 693'±
█ Seg. #8 = 3,552'±	█ Seg. #18 = 658'±
█ Seg. #9 = 287'±	█ Seg. #19 = 1,793'±
█ Seg. #10 = 1,503'±	█ Seg. #20 = 10,656'±