CEMVN-ED-F Date: 2 December 2011
MEMORANDUM FOR Chief, Geotechnical Branch

SUBJECT: Approval for Government Estimate for Task Order. Undisturbed Soil Boring and Testing for Westwego to Harvey Canal, WBV-14c2 Levee. Retrieval, classification and testing on samples retrieved - Contract # W912P8-10-D-0017 (FFEB).

Please approve the enclosed Government Cost Estimate for Task Order #0089.

3 Encls
1.) Scope of Work
2.) Location Map
3.) Cost Estimate

MARK L. WOODWARD
Supervisory Civil Engineer

Team Leader _____
Date _____

Geology Review _____
Date _____

COR _____
Date _____

QC _____
Date _____

Approved

RICHARD B. PINNER
Chief, Geotechnical Branch
Date _____

Scope of Work

Contract # W912P8-10-D-0017

Task Order #0089

Boring and testing of undisturbed soil samples for Westwego to Harvey Canal, WBV-14c2 Levee.

Boring and Testing

1. Basic Data and Support. The Contractor is to retrieve and test soil samples taken at the location stated above and shown on the attached map (state plane coordinates will be provided prior to drilling). The number of each test addressed below is required and cannot be exceeded as stated.

2. Contract Requirements. The Contractor will provide all personnel and equipment to retrieve and test undisturbed soil samples and produce driller's logs in strict compliance with the contract. Soil samples will be classified and retained by the Contractor for testing. The 32 requested borings (344 feet) are shown on the attached maps. All borings shall be 5" Undisturbed to the stated depths.
Test locations for all testing will be furnished by the Government on-site or within 3 working days of receipt of Contractor-supplied boring log data. For each 4-ft tube, tests required are one (1) grain size tests (#200 wash), one (1) organic matter test, and a minimum of one (1) UU test. Each UU will be a 1-Pt Q-Test with an Atterberg Limits test.
Preliminary test results shall be furnished to the government within 7 days of completion of the tests. All borings, boring logs, required testing, and test results shall be completed within 28 days of receipt of notice to proceed.

The Contractor shall notify the contacts below via E-mail 3 days prior to pushing the samples. Be aware that up to 10 representatives (CE, LA state, local levee board) may show up to witness the sample extrusion. Some samples may contain wood pieces that may impede sample trimming for UU testing. Depending on the integrity of the trimmed sample for UU testing, the Contractor may be required to wax samples and ready them for transport to another site. Other one-foot samples will be designated by government personnel for waxing for future transport. Any one-foot samples not tested on the day of extrusion or not designated for other testing shall be waxed and held for possible future testing. The Corps will pick up the waxed sample containers to be transported.

The boring locations and depths are as listed in the attached table.

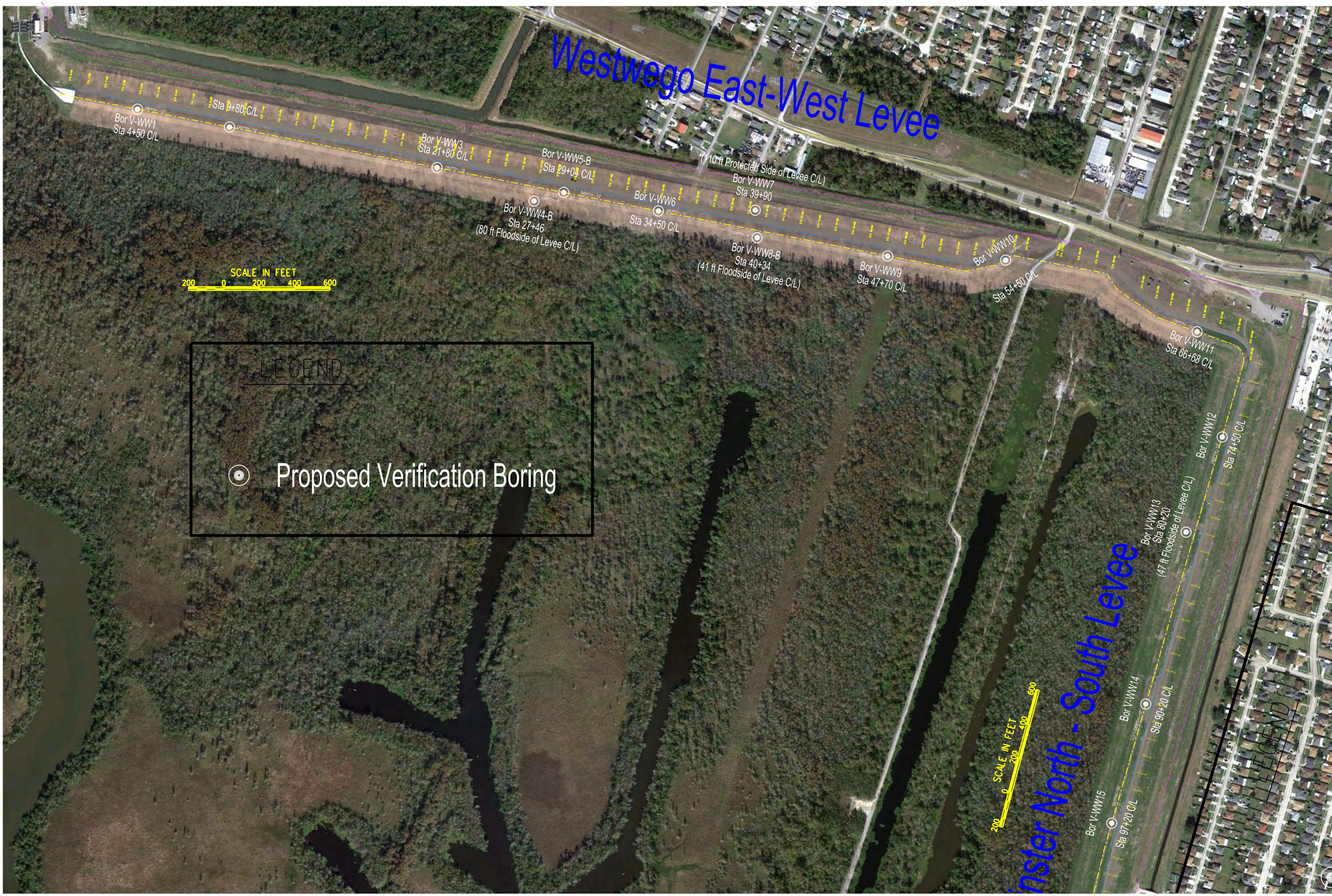
Required Testing:

No. of Undisturbed Borings	No. of Atterbergs	No. of UUs	No. of Organic Tests	Grain Size Sieve Test #200 Wash
32	**128**	**128**	**86**	**86**

3. See enclosed map for boring location information. **Please contact Mr. Mark Woodward, (504) 862-1006, or Mr. Kim Tullier, (504) 862-2982, of the U.S. Army Corps of Engineers, Mississippi Valley Division, New Orleans District, Engineering Division, Geotechnical Branch (USACE-MVN-ED-F) for details. E-Mail addresses are kim.j.tullier@usace.army.mil and mark.l.woodward@usace.army.mil**

The boring locations and depths are as follows:

Boring	Northing	Easting	Depth
V-WW1	507158.15	3653962.14	12 ft
V-WW2	506970.00	3654927.65	12 ft
V-WW3	506741.28	3656100.85	12 ft
V-WW4-B	506551.88	3656648.55	8 ft
V-WW5-B	506601.03	3656816.56	12 ft
V-WW6	506495.92	3657351.71	12 ft
V-WW7	506500.45	3657899.01	8 ft
V-WW8-B	506344.75	3657909.33	8 ft
V-WW9	506241.84	3658646.70	12 ft
V-WW10	506218.05	3659313.89	12 ft
V-WW11	505814.06	3660396.05	12 ft
V-WW12	505219.05	3660538.06	12 ft
V-WW13	504681.52	3660333.81	8 ft
V-WW14	503709.91	3660105.87	12 ft
V-WW15	503036.91	3659913.49	12 ft
V-WW16	502263.54	3659875.55	8 ft
V-WW17	501892.17	3659628.27	12 ft
V-WW18	501846.68	3659678.69	8 ft
V-WW19	501054.27	3660007.85	12 ft
V-WW20-B	501135.02	3659990.07	8 ft
V-WW21	500983.13	3660954.89	12 ft
V-WW22	501059.02	3661963.46	12 ft
V-WW23	500758.82	3661941.03	12 ft
V-WW24	500916.02	3661852.89	12 ft
V-WW25	500842.12	3662920.25	12 ft
V-WW26	500809.68	3663407.53	12 ft
V-WW27	500724.11	3663913.99	8 ft
V-WW28-B	500758.60	3664172.19	12 ft
V-WW29-B	500844.76	3664930.89	8 ft
V-WW30	500677.03	3665394.47	12 ft
V-WW31	500598.80	3665942.09	12 ft
V-WW32	500776.57	3665998.98	8 ft


Westwego East-West Levee
Bor V-WW1
Sta 4+50 C/L
Sta 9+80 C/L
Bor V-WW3
Sta 21+80 C/L
Bor V-WW5-B
Sta 29+04 C/L
Bor V-WW4-B
Sta 27+46
(80 ft Floodside of Levee C/L)
Bor V-WW6
Sta 34+50 C/L
(110 ft Protected Side of Levee C/L)
Bor V-WW7
Sta 39+90
Bor V-WW8-B
Sta 40+34
(41 ft Floodside of Levee C/L)
Bor V-WW9
Sta 47+70 C/L
Bor V-WW10
Sta 54+50 C/L
Bor V-WW11
Sta 66+68 C/L
Bor V-WW12
Sta 74+50 C/L
Bor V-WW13
Sta 80+20
(47 ft Floodside of Levee C/L)
Bor V-WW14
Sta 90+20 C/L
Bor V-WW15
Sta 97+20 C/L
Westwego North - South Levee
SCALE IN FEET
200 0 200 400 600
LEGEND
Proposed Verification Boring

Westminster Nor
Proposed
Lapalco Blvd
Westminster East-West Levee
Bor V-WW15
Sta 97+20 C/L
Bor V-WW16
Sta 104+80
(150 ft Protected Side of Levee C/L)
Bor V-WW17
Sta 109+00 C/L
Bor V-WW18
Sta 109+30
(60 ft Protected Side of Levee C/L)
Bor V-WW20-B
Sta 120+40
85 ft Protected Side of Levee C/L)
Bor V-WW19
Sta 120+50 C/L
Bor V-WW21
Sta 130+00 C/L
Bor V-WW22
Sta 140+00
(150 ft Protected Side of Levee C/L)
Bor V-WW23
Sta 140+00
(150 ft Floodside of Levee C/L)
Bor V-WW25
Sta 149+70 C/L
Bor V-WW26
Sta 154+50 C/L
Bor V-WW27
Sta 159+70
(50 ft Floodside of Levee C/L)
Bor V-WW28-B
Sta 162+25 C/L
Bor V-WW29-B
Sta 169+75
(137 ft Protected Side of Levee C/L)
Bor V-WW30
Sta 174+50 C/L
Bor V-WW31
Sta 180+05 C/L
Bor V-WW32
Sta 180+20
187 ft Protected Side of Levee)
N
LEGEND
Proposed Verification Boring
SCALE IN FEET
200 0 200 400 600